油套管数据手册

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四 川 石 油 管 理 局

井下作业处固井公司研究室制作

本手册单位换算表

名称		英制单位	换算关系	公制单位	保留位数
长度	外径	in	×25.4	mm	保留一位小数
	壁厚	in	×25.4	mm	保留两位小数
	内径	in	×25.4	mm	保留两位小数
	通径	in	×25.4	mm	保留两位小数
	接头长度	in	×25.4	mm	保留两位小数
单重		lb/ft	×1.488164	kg /m	保留两位小数
扭距		lb.Ft	×1.355818	N.m	保留整数
所有联接强度		Klbs	×4.448222	KN	保留整数
抗挤、抗内压		lb/in^2	×0.006894757	MPa	保留一位小数

常用单位公英制换算系数表

单位	公　　制	英　　制	公 英 制 换 算
长度	1公里(km)=1000米 1(m)米=10分米 1分米(dm)=10厘米 1厘米(cm)=10毫米 1毫米(mm)=100公丝	1哩=1760码 1哩=5280英尺 1码=3英尺 1英尺=12英寸 1英寸=8吩=1000英丝	1海里=1.8537公里 1哩=1.60935公里 1码=0.9144米 1英尺=0.3048米 1英寸=25.4毫米
面积	1公里^2=1000000米^2 1米^2=100分米^2 1分米^2=100厘米^2 1厘米^2=100毫米^2	1码^2=9英尺^2 1英尺^2=144英寸^2 1英寸^2=64吩^2	1码^2=0.836131米^2 1英尺^2=0.0929米^2 1英寸^2=6.4516厘米^2
体积	1米^3(m^3)=1000米^3 1分米^3(dm^3)=1000厘米^3 1厘米^3(cm^3)=1000毫米^3 1方(米^3)=1000升 1升=1000毫升 1厘米^3=1毫升	1美桶=42加仑(美) 1美加仑=231英寸^3	1美桶=159升 1英桶=163.654升 1美加仑=3.785升 1英加仑=4.54596升 1码^3=0.764559米^3 1英尺^3=28.32升
重量	1吨(T)=1000公斤 1公斤(kg)=1000克 1克(g)=10分克 1分克(dg)=10厘克 1厘克(cg)=10毫克(mg)	1英吨=2240磅 1美吨=2000磅 1磅=15.88英两	1吨=0.9842英吨 =1.1023美吨 =2205磅 1磅=0.4536公斤 1英两=28.57克
流量	1米^3/时=0.278升/秒	1英尺^3/分=7.481加仑/分	1英尺^3/分=0.472升/秒 1美加仑=0.0631升/秒 1美桶/分=2.646升/秒
密度			1磅/桶=0.00286克/厘米^3 1磅/加仑=0.1198克/厘米^3 1磅/英尺^3=0.01602克/厘米^3
速度	1公里/时=0.278米/秒	1哩/时=88英尺/分	1英尺/分=0.3048米/分
压力	1大气压=760毫米汞柱 =1.0332公斤/厘米^2 =10.332米水柱	1大气压 =14.7磅/英寸^2 1磅/英寸^2=1PSi	1磅/英寸^2 =0.0703公斤/厘米^2 1磅/英尺^2=4.88247公斤/米^2
功率	1千瓦=1.36马力 1马力=75公斤.米/秒	1千瓦=1.34英马力 1英马力=550磅.英尺/秒	1英马力=1.014马力

套管通径数据表

外径 mm	壁厚 mm	通径 mm
114.3	5.21	100.7
	5.69	99.8
	6.35	98.4
	7.37	96.4
	8.56	94.0
127.0	5.59	112.7
	6.43	111.0
	7.52	108.8
	9.19	105.4
139.7	6.20	124.1
	6.98	122.6
	7.72	121.1
	9.17	118.2
	10.54	115.4
177.8	5.87	162.9
	6.91	160.8
	8.05	158.5
	9.19	156.2
	10.36	153.9
	11.51	151.6
	12.65	149.3
	13.72	147.2

外径 mm	壁厚 mm	通径 mm
193.7	7.62	175.3
	8.33	173.8
	9.52	171.5
	10.92	168.7
	12.70	165.1
244.5	7.92	224.7
	8.94	222.6
	10.03	220.5
	11.05	218.4
	11.99	216.5
	13.84	212.8
273.10	7.09	254.9
	8.89	251.3
	10.16	248.8
	11.43	246.2
	12.57	243.9
	13.84	241.4
	15.11	238.9
339.7	8.38	319.0
	9.65	316.5
	10.92	313.9
	12.19	311.4
	13.06	309.7

套管接箍颜色标志

厂家	用途	钢级	接箍涂色	厂家	用途	钢级	接箍涂色	厂家	钢级	接箍涂色
新日铁	深井用	NT-95DS	白色夹褐色环	住友	低温井用	SH-95L	茶色夹黄色环	API	H-40	无色或黑色
	深井用	NT-125DS	白色夹黄色环	日本钢管	一般井	H55	黑色		J-55	浅绿
	深井用	NT-150BS	白色夹粉红色环		防硫	J55	草绿色		K-55	绿色
	高抗挤毁	NT-95HS	粉红色夹褐色环		一般井	K55	绿色		N-80	红色
	高抗挤毁	NT-110HS	粉红色夹白色环		防硫	C75-2	蓝色		C-75	蓝色
	抗硫化氢	NT-80SS	黄色夹红色环		高强度	N-80	红色		L-80	红夹棕
	抗硫化氢	NT-85SS	黄色夹紫色环		高强度	C-95	褐色		C-90	紫色
	抗硫化氢	NT-90SS	黄色夹橙色环		高强度	P-110	白色		C-95	棕色
	抗硫化氢	NT-95SS	黄色夹褐色环		防硫	NK-AC80	红色夹蓝色		P-110	白色
	低温井用	NT-80LS	青色夹红色环		防硫	NK-AC85	红色夹蓝`白色环		Q-125	白色
	低温井用	NT-95LS	青色夹褐色环		防硫	NK-AC90	红色夹蓝色环2条		V-150	白色
	低温井用	NT-110LS	青色夹白色环		防硫	NK-AC95	褐色夹蓝色环	川崎	KO-70	蓝色
住友	抗硫化氢	SM-80S	红色夹白色环		高抗拉	NK-T95	褐色夹白色环		KO-110	白色
	抗硫化氢	SM-90S	橙色夹蓝色环		高抗拉	NK-T110	白色夹红色环		KO-80TT	红色夹白色环
	抗硫化氢	SM-95S	茶色夹蓝色环		高抗拉	NK-CrT95	褐色夹白色环2条		KO-80T	红色夹白色环
	深井用	SM-95G	棕色夹白色环		低温井用	NK-LT95	褐色夹绿色环		KO-95T	棕色夹白色环
	深井用	SM-125G	天蓝色夹白色环		低温井用	NK-LT110	白色夹绿色环		KO-95TCYS	棕色夹白色环
	深井用	SM-150G	紫色夹白色环		低温井用	NK-LT125	粉红色夹绿色环		KO-110T	白色
	高抗挤毁	SM-95T	茶色夹红色环		高强度	NK-125	粉红色		KO-80S	红色夹绿色环
	抗挤抗硫	SM-95TS	茶色夹蓝色环		高强度	NK-140	深蓝夹白色环		KO-85S	红色夹绿色环
	低温井用	SM-80L	红色夹黄色环		高强度	NK-V150	紫色		KO-90S	紫色夹绿色环
川崎		KO-95S	棕色夹绿色环							
		KO-110S	红色夹蓝色环							
		KO-85SS	紫色夹蓝色环							
		KO-90SS	棕色夹蓝色环							
		KO-95SS	白色夹蓝色环							
		KO-110SS	红色夹绿色环							
		KO-80L	红色夹黄色环							
		KO-95L	棕色夹黄色环							
		KO-105L	白色夹黄色环							
		KO-110L	白色夹黄色环							
		KO-125L	淡红色夹黄色环							
		KO-125V	淡红色夹红色环							
		KO-140V	粉红色夹红色环							
		KO-150V	粉红色夹红色环							
		KO-13Cr95	棕色夹黄色环							

API钢级材料物理性能

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)
组别	钢级	类型	屈服强度 psi (Mpa)		抗拉强度	硬度最大值		规定壁厚	允许硬度变化
			≥	≤	psi (Mpb)≥	HRC	HB	in(mm)	HRC
1	H40		40000（276）	80000（552）	60000（414）	—	—		
	J55		55000(379)	80000（552）	75000(517)	—	—		
	K55		55000(379)	80000（552）	95000（655）	—	—		
	N80		80000（552）	110000（758）	100000（689）	—	—		
2	L80	1	80000（552）	95000（655）	95000（655）	23	241		
	L80	9Cr	80000（552）	95000（655）	95000（655）	23	241		
	L80	13Cr	80000（552）	95000（655）	95000（655）	23	241		
	C90	1.2	90000（621）	105000（724）	100000（689）	25.4	255	≤0.500(12.70)	3.0
	C90	1.2	90000（621）	105000（724）	100000（689）	25.4	255	0.501(12.71)～0.749(19.04)	4.0
	C90	1.2	90000（621）	105000（724）	100000（689）	25.4	255	0.750(19.05)～0.999(25.39)	5.0
	C90	1.2	90000（621）	105000（724）	100000（689）	25.4	255	≥1.000(25.40)	6.0
	C95		95000(655)	110000(758)	105000(724)	—	—		
	T95	1.2	95000(655)	110000(758)	105000(724)	25.4	255	≤0.500(12.70)	3.0
	T95	1.2	95000(655)	110000(758)	105000(724)	25.4	255	0.501(12.71)～0.749(19.04)	4.0
	T95	1.2	95000(655)	110000(758)	105000(724)	25.4	255	0.750(19.05)～0.999(25.39)	5.0
3	P110		110000(758)	140000(965)	125000(862)	—	—		
4	Q125	1～4	125000(862)	150000(1034)	135000(931)	—	—	≤0.500(12.70)	3.0
	Q125	1～4	125000(862)	150000(1034)	135000(931)	—	—	0.501(12.71)～0.749(19.02)	4.0
	Q125	1～4	125000(862)	150000(1034)	135000(931)	—	—	≥0.750(19.05)	5.0

注:C90、T95做抗硫SSCC实验为抗硫级别。

API钢级化学成分要求(重量百分比)

(1)	(2)	(3)	(4)		(5)		(6)		(7)		(8)	(9)	(10)	(11)	(12)
组别	钢级	类型	碳C		锰Mn		钼Mo		铬Cr		镍Ni	铜Cu	磷P	硫S	硅Si
			≥	≤	≥	≤	≥	≤	≥	≤	≤	≤	≤	≤	≤
1	H40	—	—	—	—	—	—	—	—	—	—	—	0.030	0.030	—
	J55	—	—	—	—	—	—	—	—	—	—	—	0.030	0.030	—
	K55	—	—	—	—	—	—	—	—	—	—	—	0.030	0.030	—
	N80	—	—	—	—	—	—	—	—	—	—	—	0.030	0.030	—
2	L80	1	—	0.43[a]	—	1.90	—	—	—	—	0.25	0.35	0.030	0.030	0.45
	L80	9Cr	—	0.15	0.30	0.60	0.90	1.10	8.00	10.00	0.50	0.25	0.020	0.010	1.00
	L80	13Cr	0.15	0.22	0.25	1.00	—	—	12.00	14.00	0.50	0.25	0.020	0.010	1.00
	C90	1	—	0.35	—	1.00	0.25[b]	0.75	—	1.2	0.99	—	0.020	0.010	—
	C90	2	—	0.50	—	1.90	—	NL	—	NL	0.99	—	0.030	0.010	—
	C95	—	—	0.45[c]	—	1.90	—	—	—	—	—	—	0.030	0.030	0.45
	T95	1	—	0.35	—	1.20	0.25[d]	0.85	0.45	0.50	0.99	—	0.020	0.010	—
	T95	2	—	0.50	—	1.90	—	—	—	—	0.99	—	0.030	0.010	—
3	P110	—	—	—	—	—	—	—	—	—	—	—	0.030[e]	0.030[e]	—
4	Q125	1	—	0.35	—	1.00	—	0.75	—	1.20	0.99	—	0.020	0.010	—
	Q125	2	—	0.35	—	1.00	—	NL	—	NL	0.99	—	0.020	0.020	—
4	Q125	3	—	0.50	—	1.90	—	NL	—	NL	0.99	—	0.030	0.010	—
	Q125	4	—	0.50	—	1.90	—	NL	—	NL	0.99	—	0.030	0.020	—

注:NL ＝无范围限制.表列元素必须在产品分析报告中给出.

a.对L80 Ⅰ类钢管,如果产品是经油淬火处理,其碳含量最大可增加到0.5%.

b.对钢级C90 Ⅰ类钢管,如果壁厚是小于0.700in(17.78mm),则其钼含量没有最小值.

c.对钢级C90钢管,若采用油淬火处理时,其碳含量最大可增加到0.55%.

d.对钢级T95 Ⅰ类钢管,若壁厚小于0.700in(17.78mm),其钼含量最小可减少到0.15%.

e.对钢级P110电焊钢管,其最大磷含量为0.020%,最大硫含量0.010%.

API平式油管丝扣规范

通称直径				英寸	1.050"	1.315"	1.660"	1.5"	2"	$2^{7}/_{8}$"	3"	$3^{1}/_{2}$"	4"
油管	外径		D	mm	26.7	33.4	42.2	48.3	60.3	73.0	88.9	101.6	114.3
	管端丝扣直径	外径	d_2	mm	25.727	32.408	40.973	46.870	58.539	70.544	86.022	98.622	111.024
		内径	d_3	mm	22.903	29.584	38.149	44.046	55.715	67.720	83.198	95.002	107.404
	丝扣长度	丝扣总长度	G	mm	27.79	28.58	31.75	34.92	41.28	52.40	58.75	60.32	65.10
		有效丝扣长度	G_1	mm	23.50	24.28	27.46	30.63	36.98	48.11	54.46	54.36	59.13
		管端至基面长度	l	mm	11.38	12.17	15.34	18.52	24.87	35.99	42.34	40.41	45.19
基面丝扣平均直径			d_{cp}	mm	25.102	31.833	40.596	46.692	58.757	71.457	87.332	99.414	112.114
丝扣机拧紧后管端与接箍中心面距离			l	mm	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
用手拧紧后公扣外留扣数			A	扣	2	2	2	2	2	2	2	2	2
每英寸扣数			n	扣	10	10	10	10	10	10	10	8	8
接箍	外径		D_M	mm	33.4	42.2	52.2	55.9	73.0	88.9	108.0	120.6	132.1
	长度		L	mm	81.0	82.6	88.9	95.2	108.0	130.2	142.9	146.0	155.6
	丝扣总长度		l_1	mm	40.5	41.3	44.4	47.6	54.0	65.1	71.4	73.0	77.8
	重量			kg	0.23	0.381	0.585	0.558	1.279	2.336	3.706	4.341	4.881
	镗孔部分	直径	d_0	mm	28.3	35.0	43.80	49.9	61.9	74.6	90.5	103.2	115.9
		深度	l_0	mm	7.9	7.9	7.9	7.9	7.9	7.9	7.9	9.5	9.5
		端面厚度	B	mm	1.6	2.4	3.2	1.6	4.8	4.8	4.8	4.8	4.8
	基面至端面长度		F	mm	11.33	11.33	11.33	11.33	11.33	11.33	11.33	13.56	13.56
	端面丝扣直径	外径	d_4	mm	27.298	34.029	42.792	48.888	60.953	73.653	89.528	102.148	114.848
		内径	d_5	mm	24.474	31.205	39.968	46.064	58.129	70.829	86.704	98.528	111.228

API套管接箍规范

套管									接箍								用手上紧所余扣数	手上紧接箍端部至丝扣啮合起点长度 M
通称直径	壁厚	手旋紧面节径	丝扣尺寸 mm						外径D_M	长度 N_L		重量		镗孔部分				
			总长度 L		有效长度l_2		管端至手旋紧面长度											
mm	mm	Dg mm	短扣	长扣	短扣	长扣	短扣	长扣	mm	短	长	短	长	内径d_0	长度l_0	厚度b	A	mm
114.3	5.21 ①	111.85	50.80 66.67	76.20	43.56 59.44	68.96	23.39 39.27	48.79	127.00	158.75	177.80	3.65	4.114	116.69	12.7	3.97	3	17.88
127.0	5.59 ①	124.54	63.50 69.85	85.73	56.26 62.61	78.49	36.09 42.44	58.32	141.30	165.10	196.85	4.62	5.70	129.38	12.7	4.76	3	
139.7	①	137.24	73.02	88.90	65.79	81.66	45.62	61.49	153.67	171.45	203.20	5.19	6.36	142.08	12.7	3.18	3	
177.8	5.87 ①	175.24	60.32 79.37	101.60	53.09 72.14	94.36	32.92 51.97	74.19	194.46	184.15	228.60	8.32	10.74	180.19	12.7	4.76	3	
193.7	①	191.11	82.55	104.77	75.31	97.54	53.44	75.67	215.90	190.50	234.95	12.22	15.53	196.06	12.7	6.35	3.5	18.01
244.5	①	241.91	85.72	120.65	78.49	113.41	56.62	91.54	269.88	196.85	266.70	17.92	25.30	246.86	12.7	7.14	3.5	
273.1	7.09 ①	270.94	69.85 88.90	120.65	62.61 81.66	113.41	40.74 59.79	91.54	298.45	203.20	266.70	20.65	28.13	275.42	12.7	7.14	3.5	
339.7	①	337.16	88.90	120.65	81.66	113.41	59.79	91.54	365.13	203.20	266.70	25.51	34.76	342.11	12.7	7.94	3.5	

注：“①”指其余的壁厚

API梯形螺纹套管接箍规范

外径 D 英寸	套管丝扣尺寸 mm				接箍规范						
	L	l_2	Dep	A_1	标准		特殊		N_L	b	d_0
					D_M mm	kg／只	D_M mm	kg／只			
$4^1/_2$	92.39	42.00	113.13	100.01	127.00	4.59	123.83	3.48	225.42	3.175	117.86
5	95.57	45.17	125.83	103.20	141.30	5.89	136.53	4.00	231.77	3.97	130.56
$5^1/_2$	97.16	46.76	138.53	104.78	153.67	6.41	149.23	4.46	234.95	3.97	143.26
7	106.68	56.29	176.63	114.30	194.46	10.53	187.33	6.27	254.00	5.56	181.36
$7^5/_8$	111.44	61.05	192.51	119.06	215.90	15.80	206.38	9.28	263.52	7.94	197.23
$9^5/_8$	114.62	64.22	243.31	122.24	269.88	23.13	257.18	12.01	269.87	9.53	248.03
$10^3/_4$	114.62	64.22	271.88	122.24	298.45	25.71	285.75	13.38	269.87	9.53	276.61

API外加厚油管丝扣规范

通称直径				英寸	1.050"	1.315"	1.660"	$1^1/_2$"	2"	$2^7/_8$"	3"	$3^1/_2$"	4"
油管	外径		D	mm	26.70	33.40	42.20	48.30	60.30	73.00	88.90	101.60	114.30
	管端丝扣直径	外径	d_2	mm	32.41	36.12	44.65	51.69	63.71	76.00	92.27	104.77	117.28
		内径	d_3	mm	29.58	33.29	41.82	48.87	60.09	73.38	88.65	101.15	113.66
	外加厚部分	外径	D_1	mm	33.40	37.30	46.00	53.20	65.90	78.60	95.20	108.00	120.60
		加厚部分长度	l'	mm	60.30	63.50	66.70	68.30	101.60	108.00	114.30	114.30	120.60
		颈部长度	l_1'	mm	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40
	丝扣长度	丝扣总长度	G	mm	28.58	31.75	34.92	36.53	49.23	53.98	60.32	63.50	66.68
		有效丝扣长度	G_1	mm	24.28	27.46	30.63	32.23	43.26	48.01	54.36	57.53	60.71
		管端至基面长度	L	mm	12.17	15.34	18.52	20.12	29.31	34.06	40.41	43.59	46.76
基面丝扣节径			d_{cp}	mm	31.83	35.74	44.47	51.61	63.70	76.38	93.06	105.76	118.46
丝扣机拧紧后公扣外留扣数			A	扣	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
机力拧紧后管端与接箍中心面距离			l	mm	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
每英寸扣数			n	扣／英寸	10.00	10.00	10.00	10.00	8.00	8.00	8.00	8.00	8.00
接箍	外径		D_M	mm	42.20	48.30	55.90	63.50	77.80 (73.9)	93.20 (87.9)	114.30 (106.2)	127.00	141.30
	长度		L	mm	82.60	88.90	95.20	98.40	123.80	133.40	146.00	152.40	158.80
	丝扣总长度		l_1	mm	41.30	44.40	47.60	49.20	61.90	66.70	73.00	76.20	79.40
	重量			kg	0.38	0.57	0.68	0.84	1.55	2.40	4.09	4.82	6.04
	镗孔部分	直径	d_o	mm	35.00	38.90	47.60	54.80	67.50	80.20	96.90	109.60	122.30
		深度	l_o	mm	7.90	7.90	7.90	7.90	9.50	9.50	9.50	9.50	9.50
		端面厚度	B	mm	2.40	2.40	3.20	3.20	4.00	5.60	6.40	6.40	6.40
	基面至端面长度		F	mm	11.33	11.33	11.33	11.33	13.56	13.56	13.56	13.56	13.56
	端面丝扣直径	外径	d_4	mm	34.03	37.94	46.67	53.81	66.43	79.13	95.80	108.50	121.20
		内径	d_5	mm	31.21	35.11	43.84	50.99	62.81	75.51	92.18	104.88	117.58

注：括号为特殊接箍外径

川崎（KO）系列特殊钢级（非API）

最小屈服强度（Psi）	普通系列	深井系列	高抗挤系列	抗硫系列			低温系列	抗湿CO_2系列（13Cr) (9Cr)
				普通	特殊	高抗挤		
55,000			KO-80TT*					
70,000	KO-70*							
75,000								KO-13Cr75 KO-9Cr75
80,000			KO-80T KO-80T*	KO-80S		KO-80TS	KO-80L	KO-13Cr80 KO-9Cr80
85,000				KO-85S	KO-85SS			
90,000				KO-90S	KO-90SS			
95,000			KO-95T KO-95T* KO-95TCYS KO-95TCYS*	KO-95S	KO-95SS	KO-95TS	KO-95L	KO-13Cr95
105,000							KO-105L	
110,000	KO-110*		KO-110T	KO-110S	KO-110SS		KO-110L	
125,000		KO-125V					KO-125L	
140,000		KO-140V						
150,000		KO-150V						

备注：*电阻焊加工（直焊缝套管）

美钢联（USS）系列特殊钢级

最小屈服强度Psi	抗H2S腐蚀系列	高 抗 挤 系 列	高 强 度 系 列
80,000		USS FS-80	
90,000	USS C-90 USS SC-90		
95,000	USS C-95	USS FSS-95 USS-95	
125,000			USS-125
140,000			USS-140
150,000			USS-150 V-150

日本钢管（NKK）系列特殊钢级

最小屈服强度 Psi	高抗挤系列	低温系列	高强度	抗硫系列		抗硫及高抗挤	抗 CO_2 系列		抗 H_2S 及 CO_2 系列					
				普通	特殊									
80,000	NK HC-80			NK AC-80		NK AC-80T	NK CR9 NK CR13	NK CR15	NK CR25	NK NIC25	NK NIC32			
85,000					NK AC-85S		NK CR9 NK CR13	NK CR15						
90,000				NK AC-90	NK AC-90S NK AC-95MS									
95,000	NK HC-95	NK LT-95		NK AC-95	NK AC-95S NK AC-95MS	NK AC-95T	NK CR9 NK CR13	NK CR15						
100,000					NK AC-100SS									
105,000				NK AC-105										
110,000	NK HC-110	NK LT-110		NK AC-110	NK AC-110SS	NK AC-110T			NK CR22	NK NIC25	NK NIC32	NK NIC42		
125,000	NK HC-125	NK LT-125	NK-125						NK CR22	NK NIC25	NK NIC32	NK NIC42	NK NIC42M	NK NIC52
135,000													NK NIC42M	
140,000	NK HC-140		NK-140						NK CR22					NK NIC52
150,000			NK-V150											

世特佳（SIDERCA）系列特殊钢级

最小屈服强度si	微合金（1）	特殊系列（2）	低温系列	抗硫系列	特殊抗硫系列	高抗挤	高抗挤及抗硫系列	深井系列
55,000	SMR 55	SD 55 CS	SD 55 LS					
70,000	SMR 70	SD 70 CS	SD 70 LS					
75,000	SMR 75		SD 75 LS					
80,000	SNR 80		SD80 LS	SD 80 S	SD 80 SS			
85,000				SD 85 S	SD 85 SS	SD 80 HC		
90,000				SD 90 S	SD 90 SS		SD 90 HCS	
95,000			SD 95 LS	SD 95 S	SD 95 SS	SD 95 HC	SD 95 HCS	
100,000				SD 100 S	SD 100 SS			
110,000			SD 110 LS	SD 110 S		SD 110 HC		
125,000			SD 125 LS			SD 125 HC		SD 125 DW
140,000								SD 140DW
150,000								SD 150 DW

注：（1）钢级是为韧性、低温、抗挤、抗腐蚀等恶劣环境和最小管柱重量而设计的；

（2）油管特殊抗腐蚀系列钢级需定购获得。

新日铁（NT）系列特殊钢级

最小屈服强度Psi	抗 硫 系 列	高抗挤系列	高抗挤及抗硫系列	低 温 系 列	深 井 系 列
80,000	NT-80SS			NT-80L	
85,000	NT-85SS		NT-85HSS		
90,000	NT-90SS		NT-90HSS		
95,000	NT-95SS	NT-95HS	NT-95HSS	NT-95L	NT-95DS
100,000	NT-100SS		NT-100HSS		
105,000	NT-105SS		NT-105HSS		
110,000	NT-110SS	NT-110HS	NT-110HSS	NT-110L	
125,000					NT-125DS
140,000					NT-140DS
150,000					NT-150DS

住友（SM）系列特殊钢级

最小屈服强度Psi	普通系列	深井系列	抗硫系列	特殊抗硫系列	高抗挤系列	高抗挤及抗硫系列	低温系列
80,000			SM-80S				SM-80L
85,000				SM-85SS			
90,000			SM-90S	SM-90SS			
95,000	SM-95G		SM-95S		SM-95T	SM-95TS	SM-95L
105,000							SM-105L
110,000					SM-110T		SM-110L
125,000		SM-125G					
140,000		SM-140G					
150,000		SM-150G					

新日铁（NT）NS-CC扣套管尺寸表

外径 mm	壁厚 mm	内径 mm	接箍外径 mm	接箍长度 mm
139.7	7.72	124.26	153.67	256.54
	9.17	121.36	153.67	256.54
	10.54	118.62	153.67	256.54
177.8	9.19	159.41	194.46	275.59
	10.36	157.07	194.46	275.59
	11.51	154.78	194.46	275.59
	12.65	152.50	194.46	275.59
	13.72	150.37	194.46	275.59

住友（SM）TM扣套管尺寸表

外径	壁厚	接箍外径		接箍长度
		正　规	API	
mm	mm	mm	mm	mm
139.7	6.99	153.70	153.70	235.00
	7.72	153.70	153.70	235.00
	9.17	154.00	153.70	235.00
	10.54	156.21	153.70	235.00
	12.09	158.50	153.70	235.00
	13.46	160.50	153.70	235.00
177.8	8.05	194.49	194.49	270.00
	9.19	194.49	194.49	270.00
	10.36	194.49	194.49	270.00
	11.51	195.91	194.49	270.00
	12.65	197.69	194.49	270.00
	13.72	199.29	194.49	270.00
	14.99	201.30	194.49	270.00

日本钢管(NKK)3SB扣油套管尺寸表

外径 mm	壁厚 mm	螺纹长度 mm	接箍外径 mm	接箍长度 mm
	4.83	95.10	73.00	215.20
	5.54	95.10	73.00	215.20
60.3	6.45	95.10	73.00	215.20
	6.63	95.10	73.00	215.20
	8.53	95.10	73.00	215.20
	5.51	95.10	88.90	215.20
	7.01	95.10	88.90	215.20
	7.82	95.10	88.90	215.20
73.0	8.64	95.10	88.90	215.20
	9.96	95.10	88.90	215.20
	10.29	95.10	88.90	215.20
	11.18	95.10	88.90	215.20
	6.45	95.90	108.00	216.80
	7.34	95.90	108.00	216.80
	9.35	95.90	108.00	216.80
88.9	9.53	95.90	108.00	216.80
	11.40	95.90	108.00	216.80
	12.09	95.90	108.00	216.80
	12.95	95.90	108.00	216.80
	13.46	95.90	108.00	216.80
	6.65	103.00	120.70	231.60
101.6	8.38	103.00	120.70	231.60
	12.70	103.00	120.70	231.60
101.6	15.49	103.00	120.70	231.60
	6.88	109.40	132.10	243.80
	7.37	109.40	132.10	243.80
	8.56	109.40	132.10	243.80
114.3	10.92	109.40	132.10	243.80
	12.70	109.40	132.10	243.80
	14.22	109.40	132.10	243.80
	16.00	109.40	132.10	243.80
	6.98	119.50	153.70	259.00
	7.72	119.50	153.70	259.00
139.7	9.17	119.50	153.70	259.00
	10.54	119.50	156.20	259.00
	12.09	119.50	159.00	259.00
	8.05	134.50	194.50	289.00
	9.19	134.50	194.50	289.00
	10.36	134.50	194.50	289.00
177.8	11.51	134.50	197.40	289.00
	12.65	134.50	197.40	289.00
	13.72	134.50	200.30	289.00
	14.99	134.50	200.30	289.00

注:凡特殊扣套管,本手册只收集了φ139.7mm和φ177.8mm尺寸数据.

川崎(KO)FOX扣油套管尺寸表

外径 mm	牙/英寸	螺纹长度 mm	接箍外径 mm	接箍长度 mm
139.7	5	113.54	153.67	250.67
177.8	5	123.70	194.46	270.99

世特佳(SIDERCA)SEC扣油套管尺寸表

外径 mm	壁厚 mm	接箍镗孔内径 mm	接箍外径 mm	接箍长度(标准) mm	接箍长度(防腐) mm
60.3	4.83	49.00	68.71	143.00	173.00
	5.54	49.00	68.71	143.00	173.00
	6.45	49.00	70.79	143.00	173.00
73.0	5.51	60.30	81.61	159.00	189.00
	7.01	60.30	84.91	159.00	189.00
	7.82	59.00	84.91	159.00	189.00
88.9	5.49	76.50	99.80	183.01	213.00
	6.45	76.50	99.80	183.01	213.00
	7.34	75.49	99.80	183.01	213.00
	9.52	74.29	106.50	183.01	213.00
	10.49	71.98	106.50	183.01	213.00
101.6	5.74	88.70	111.99	197.00	227.00
	6.65	88.70	111.99	197.00	227.00
	8.38	87.81	114.50	197.00	227.00
	9.65	84.99	116.00	197.00	227.00
114.3	5.69	101.19	123.49	216.99	246.99
	6.35	101.19	123.49	216.99	246.99
	6.88	101.19	126.49	216.99	246.99
	7.37	101.19	126.49	216.99	246.99
	8.56	99.90	126.49	216.99	246.99
139.7	6.99	125.50	153.70	235.00	290.98
	7.72	124.00	153.70	261.01	290.98
	9.17	124.00	153.70	261.01	290.98
139.7	10.54	124.00	157.99	261.01	290.98
177.8	8.05	161.59	194.49	281.00	311.00
	9.19	161.59	194.49	281.00	311.00
	10.36	161.59	194.49	281.00	311.00
	11.51	161.59	197.51	281.00	311.00
	12.65	161.59	197.51	281.00	311.00
	13.72	161.59	201.50	281.00	311.00

住友(SM)NEW VAM扣油套管尺寸表

外径 mm	壁厚 mm	接箍外径 mm	接箍长度 mm
60.3	4.83	68.76	178.00
	5.54	69.49	178.00
	6.45	70.74	178.00
73.0	5.51	82.30	194.01
	7.01	84.76	194.01
	7.82	85.45	194.01
	9.19	87.25	194.01
88.9	5.49	97.56	216.99
	6.45	99.06	216.99
	7.34	100.61	216.99
	9.52	103.61	216.99
	10.49	105.11	216.99
	11.43	106.50	216.99
	12.09	106.96	216.99
101.6	5.74	110.44	230.00
	6.65	111.94	230.00
	8.38	114.71	230.00
	9.65	116.99	230.00
	10.92	118.26	230.00
114.3	5.69	123.49	251.99
	6.35	123.49	251.99
	6.88	124.26	251.99
	7.37	126.01	251.99
114.3	8.56	127.25	251.99
	9.65	129.69	251.99
	10.92	130.71	252.10
	12.70	134.11	251.99
	14.22	135.46	251.99
139.7	6.99	154.30	297.00
	7.72	154.30	297.00
	9.17	154.30	297.00
	10.54	154.30	297.00
	12.09	154.30	297.00
177.8	8.05	195.10	316.00
	9.19	195.10	316.00
	10.36	195.10	316.00
	11.51	195.10	316.00
	12.65	195.10	316.00
	13.72	195.10	316.00
	14.99	195.10	316.00
	16.26	195.10	316.00
	17.02	195.15	316.00

住友(SM)VAM ACE油套管尺寸表

外径 mm	壁厚 mm	接箍外径 mm	接箍长度 mm
60.3	4.83	68.50	184.40
	5.54	70.51	184.40
	6.45	70.51	184.40
	7.11	71.22	184.40
	8.53	73.00	184.40
73.0	5.51	82.04	188.39
	7.01	84.51	188.39
	7.82	85.22	188.39
	9.19	87.02	188.39
	10.29	88.39	188.39
88.9	5.49	97.28	207.80
	6.45	98.81	207.80
	7.34	100.33	207.80
	9.52	103.35	207.80
	10.49	105.11	207.80
	11.43	106.68	207.80
	12.09	106.68	207.80
101.6	5.74	110.21	220.29
	6.65	111.71	220.29
	8.38	114.43	220.29
	9.65	116.99	220.29
	10.92	118.01	220.29
114.3	5.69	123.49	236.80
114.3	6.35	123.80	236.80
	6.88	126.01	236.80
	7.37	126.01	236.80
	8.56	127.13	236.80
	9.65	129.69	236.80
	10.21	129.69	236.80
	10.92	132.11	236.80
	12.70	134.11	236.80
	14.22	135.18	236.80
139.7	6.99	153.70	298.81
	7.72	153.70	298.81
	9.17	156.21	298.81
	10.54	156.21	298.81
	12.09	158.60	298.81
	13.46	160.65	298.81
177.8	8.05	194.49	318.80
	9.19	194.49	318.80
	10.36	194.49	318.80
	11.51	200.89	318.80
	12.65	200.89	318.80
	13.72	200.89	318.80
	14.99	201.68	318.80

住友(SM)VAM FJL扣油套管尺寸表

外 径 mm	牙/英寸	接 箍 外 径 mm
60.3	6	61.29
73.0	6	73.99
88.9	6	89.89
101.6	6	102.59
114.3	6	115.29
139.7	6	140.69
177.8	6	178.79

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 MPa	抗内压 园扣 长扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
114.3	J-55	14.14	5.21	103.89	449	547	—	676	30.2	30.2	—	22.8
		15.63	5.69	102.92	587	618	903	734	33.0	33.0	33.0	27.6
		17.26	6.35	101.60	685	721	1001	818	36.9	36.9	36.9	34.2
	K-55	14.14	5.21	103.89	498	605	—	676	30.2	30.2	—	22.8
		15.63	5.69	102.92	649	685	1108	734	33.0	33.0	33.0	27.6
		17.26	6.35	101.60	756	801	1232	818	36.9	36.9	36.9	34.2
	C-75	17.26	6.35	101.60	—	943	1281	1112	50.3	—	50.3	42.1
		20.09	7.37	99.57	—	1143	1472	1281	58.3	—	58.3	56.1
	L-80	17.26	6.35	101.60	943	943	1294	1188	53.6	53.6	53.6	43.8
		20.09	7.37	99.57	1143	1143	1486	1366	62.2	62.2	62.2	58.9
	N-80	17.26	6.35	101.60	961	992	1352	1157	53.6	53.6	53.6	43.8
		20.09	7.37	99.57	1165	1201	1552	1366	62.2	62.2	62.2	58.9
	C-90	17.26	6.35	101.60	992	992	1375	1334	60.3	60.3	60.3	47.0
		20.09	7.37	99.57	1201	1201	1579	1535	70.0	70.0	70.0	64.1
		22.47	8.56	97.18	1446	1446	1815	1766	79.7	76.0	84.3	81.4
	C-95 T-95	17.26	6.35	101.60	1041	1041	1446	1410	63.7	63.7	63.7	48.5
		20.09	7.37	99.57	1263	1263	1664	1619	73.8	73.8	73.8	66.6
		22.47	8.56	97.18	1517	1517	1908	1864	84.1	80.2	88.0	85.8
	P-110	17.26	6.35	101.60	1241	1241	1713	1632	73.7	73.7	73.7	52.3
		20.09	7.37	99.57	1503	1503	1971	1877	85.6	85.6	85.6	73.6
114.3	P-110	22.47	8.56	97.18	1806	1806	2264	2157	97.4	99.4	92.8	98.9
	Q-125	22.47	8.56	97.18	1948	1948	2464	2451	110.7	112.9	105.5	109.2
127.0	J-55	17.11	5.59	115.82	592	667	—	810	29.2	29.2	—	21.1
		19.35	6.43	114.15	752	810	1121	925	33.6	33.6	33.6	28.5
		22.32	7.52	111.96	921	992	1303	1072	39.3	39.3	39.3	38.3
		26.79	**9.19**	**108.61**	**1170**	**1263**	**1570**	**1290**	**48.1**	**47.0**	**51.0**	**48.1**
	K-55	17.11	5.59	115.82	654	738	—	810	29.2	29.2	—	21.1
		19.35	6.43	114.15	827	894	1375	925	33.6	33.6	33.6	28.5
		22.32	7.52	111.96	1014	1094	1597	1072	39.3	39.3	39.3	38.3
		26.79	**9.19**	**108.61**	**1290**	**1397**	**1922**	**1290**	**48.1**	**47.0**	**51.0**	**48.1**
	C-75	22.32	7.52	111.96	—	1312	1668	1459	53.6	—	53.6	47.8
		26.79	9.19	108.61	—	1673	2011	1761	65.5	—	64.1	68.7
		31.85	11.10	104.80	—	2073	2269	2091	69.9	—	64.1	82.5
		34.53	12.14	102.72	—	2282	2269	2264	69.9	—	64.1	89.4
		35.86	12.70	101.60	—	2393	2269	2358	69.9	—	64.1	93.1
	L-80	22.32	7.52	111.96	1272	1312	1686	1557	57.2	57.2	57.2	50.0
		26.79	9.19	108.61	1619	1673	2033	1877	69.9	69.9	68.3	72.4
		31.85	11.10	104.80	2006	2073	2269	2229	70.7	74.5	68.3	88.0
		34.53	12.14	102.72	2211	2282	2269	2415	70.7	74.5	68.3	95.4
		35.86	12.70	101.60	2318	2393	2269	2518	70.7	74.5	68.3	99.3
127.0	N-80	22.32	7.52	111.96	1294	1383	1761	1557	57.2	57.2	57.2	50.0
		26.79	9.19	108.61	1650	1761	2122	1877	69.9	69.9	68.3	72.4
		31.85	11.10	104.80	2042	2180	2389	2229	70.7	74.5	68.3	88.0
		34.53	12.14	102.72	2251	2402	2389	2415	70.7	74.5	68.3	95.4
		35.86	12.70	101.60	2358	2522	2389	2518	70.7	74.5	68.3	99.3
	C-90	22.32	7.52	111.96	1383	1383	1797	1753	64.3	64.3	64.3	54.1
		26.79	9.19	108.61	1761	1761	2166	2113	78.6	78.6	76.9	79.5
		31.85	11.10	104.80	2180	2180	2389	2509	79.6	83.9	76.9	99.0
		34.53	12.14	102.72	2402	2402	2389	2718	79.6	83.9	76.9	107.3
		35.86	12.70	101.60	2464	2522	2389	2829	79.6	83.9	76.9	111.7
	C-95 T-95	22.32	7.52	111.96	1450	1450	1886	1850	67.8	67.8	67.8	55.9
		26.79	9.19	108.61	1850	1850	2277	2229	83.0	83.0	81.2	82.9
		31.85	11.10	104.80	2291	2291	2504	2647	84.0	88.5	81.2	104.5
		34.53	12.14	102.72	2522	2522	2504	2869	84.0	88.5	81.2	113.3
		35.86	12.70	101.60	2589	2647	2504	2989	84.0	88.5	81.2	117.9
	P-110	22.32	7.52	111.96	1721	1726	2237	2140	78.6	78.6	78.6	61.0
		26.79	9.19	108.61	2193	2202	2696	2580	96.1	96.1	93.9	92.9
		31.85	11.10	104.80	2713	2727	2985	3065	97.2	102.5	93.9	121.0
		34.53	12.14	102.72	2989	3003	2985	3323	97.2	102.5	94.0	131.1

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					圆扣		偏梯扣		圆扣		偏梯扣	
					短扣 KN	长扣 KN			短扣 MPa	长扣 MPa		
		35.86	12.70	101.60	3078	3149	2985	3461	97.2	102.5	93.9	136.5
127.0	Q-125	26.79	9.19	108.61	2380	2380	2940	2931	109.2	109.2	106.7	102.2
		31.85	11.10	104.80	2945	2945	3221	3483	116.5	116.5	106.7	137.5
		34.53	12.14	102.72	3243	3243	3221	3777	116.5	116.5	106.7	149.1
		35.86	12.70	101.60	3327	3403	3221	3932	116.5	116.5	106.7	155.1
139.7	J-55	20.83	6.20	127.30	765	823	—	988	29.4	29.4	—	21.5
		23.07	6.99	125.73	899	965	1334	1103	33.2	33.2	33.2	27.9
		25.30	7.72	124.26	1019	1099	1463	1214	36.7	36.7	36.7	33.9
		29.76	9.17	121.36	1254	1352	1721	1428	43.6	43.6	42.6	45.6
		34.23	10.54	118.62	1472	1584	1935	1624	44.4	46.8	42.6	52.9
	K-55	20.83	6.20	127.30	841	907	—	988	29.4	29.4	—	21.5
		23.07	6.99	125.73	988	1063	1628	1103	33.2	33.2	33.2	27.9
		25.30	7.72	124.26	1121	1210	1788	1214	36.7	36.7	36.7	33.9
		29.76	9.17	121.36	1379	1486	2100	1428	43.6	43.6	42.6	45.6
		34.23	10.54	118.62	1619	1744	2389	1624	44.4	46.8	42.6	52.9
	C-75	25.30	7.72	124.26	—	1455	1882	1655	50.0	—	50.0	41.6
		29.76	9.17	121.36	—	1793	2211	1944	59.4	—	58.1	58.0
		34.23	10.54	118.62	—	2104	2447	2211	63.8	—	58.1	72.2
	L-80	20.83	6.20	127.30	1059	1130	—	1432	42.8	42.8	—	24.9
		23.07	6.99	125.73	1241	1326	1730	1606	48.3	48.3	48.3	34.4
		25.30	7.72	124.26	1410	1503	1904	1766	53.4	53.4	53.4	43.3
139.7	L-80	29.76	9.17	121.36	1739	1850	2237	2073	63.4	63.4	62.0	60.9
		34.23	10.54	118.62	2042	2175	2447	2358	64.5	68.1	62.0	76.9
	N-80	20.83	6.20	127.30	1081	1161	—	1432	42.8	42.8	—	24.9
		23.07	6.99	125.73	1263	1361	1806	1606	48.3	48.3	48.3	34.4
		25.30	7.72	124.26	1437	1548	1984	1766	53.4	53.4	53.4	43.3
		29.76	9.17	121.36	1770	1904	2331	2073	63.4	63.4	62.0	60.9
		34.23	10.54	118.62	2077	2233	2576	2358	64.5	68.1	62.0	76.9
	C-90	25.30	7.72	124.26	1552	1584	2028	1988	60.1	60.1	60.1	46.5
		29.76	9.17	121.36	1913	1948	2384	2335	71.3	71.3	69.8	66.4
		34.23	10.54	118.62	2246	2286	2580	2656	72.6	76.6	69.8	85.4
		38.69	12.09	115.52	—	2660	2580	3007	76.6	—	69.8	98.2
		52.09	16.51	106.68	—	2731	2580	3963	72.6	—	69.8	129.3
	C-95 T-95	25.30	7.72	124.26	1637	1664	2135	2095	63.4	63.4	63.4	47.8
		29.76	9.17	121.36	2015	2046	2504	2464	75.2	75.2	73.6	69.0
		34.23	10.54	118.62	2366	2402	2705	2802	76.7	80.9	73.6	89.2
	P-110	25.30	7.72	124.26	1913	1979	2527	2429	73.4	73.4	73.4	51.6
		29.76	9.17	121.36	2353	2438	2967	2851	87.1	87.1	85.2	76.5
		34.23	10.54	118.62	2762	2860	3221	3243	88.7	90.7	85.2	100.2
	Q-125	20.83	6.20	127.30	1606	1606	—	2242	66.9	66.9	—	30.3
		23.07	6.99	125.73	1882	1882	2509	2509	75.4	75.4	75.4	40.5
139.7	Q-125	25.30	7.72	124.26	2140	2140	2758	2758	83.4	83.4	83.4	54.4
		29.76	9.17	121.36	2633	2633	3238	3243	90.7	90.7	96.9	83.3
		34.23	10.54	118.62	3087	3087	3479	3688	106.4	106.4	96.9	110.8
177.8	J-55	29.76	6.91	163.98	1041	1143	1659	1406	25.8	25.8	25.8	15.7
		34.23	8.05	161.70	1263	1392	1922	1628	30.1	30.1	30.1	22.5
		38.69	9.19	159.41	1486	1632	2180	1846	34.3	34.3	34.3	29.8
		43.16	10.36	157.07	1708	1882	2438	2068	38.7	38.7	38.7	37.3
		47.62	11.51	154.79	1922	2117	2691	2277	41.1	43.0	44.1	44.5
		52.09	12.65	152.50	2135	2349	2922	2487	41.1	43.8	40.1	50.1
		56.55	13.72	150.37	2331	2562	2922	2682	41.1	43.8	40.1	54.0
	K-55	29.76	6.91	163.98	1130	1250	2006	1406	25.8	25.8	25.8	15.7
		34.23	8.05	161.70	1375	1517	2322	1628	30.1	30.1	30.1	22.5
		38.69	9.19	159.41	1619	1784	2633	1846	34.3	34.3	34.3	29.8
		43.16	10.36	157.07	1859	2051	2945	2068	38.7	38.7	38.7	37.3
		47.62	11.51	154.79	2095	2309	3247	2277	41.1	43.0	40.1	44.5
		52.09	12.65	152.50	2326	2562	3545	2487	41.1	43.8	40.1	50.1
		56.55	13.72	150.37	2535	2798	3705	2682	41.1	43.8	40.1	54.0
		34.23	8.05	161.70	—	1850	2478	2220	41.0	—	41.0	25.9

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					圆扣		偏梯扣 KN		圆扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短扣 MPa	长扣 MPa		
	C-75	38.69	9.19	159.41	—	2175	2807	2518	46.8	—	46.8	36.0
		43.16	10.36	157.07	—	2500	3145	2820	52.7	—	52.7	46.4
177.8	C-75	47.62	11.51	154.79	—	2816	3465	3109	58.5	—	54.7	56.5
		52.09	12.65	152.50	—	3127	3705	3394	59.7	—	54.7	66.7
		56.55	13.72	150.37	—	3412	3705	3656	59.7	—	54.7	73.6
	L-80	34.23	8.05	161.70	1761	1935	2513	2366	43.7	43.7	43.7	26.4
		38.69	9.19	159.41	2068	2273	2851	2687	49.9	49.9	49.9	37.3
		43.16	10.36	157.07	2380	2611	3194	3007	56.3	56.3	56.3	48.4
		47.62	11.51	154.79	2678	2940	3519	3314	59.8	62.5	58.3	59.4
		52.09	12.65	152.50	2971	3265	3705	3621	59.8	63.7	58.3	70.2
		56.55	13.72	150.37	3243	3563	3705	3901	59.8	63.7	58.3	78.5
	N-80	34.23	8.05	161.70	1788	1966	2616	2366	43.7	43.7	43.7	26.4
		38.69	9.19	159.41	2100	2309	2967	2687	49.9	49.9	49.9	37.3
		43.16	10.36	157.07	2415	2656	3318	3007	56.3	56.3	56.3	48.4
		47.62	11.51	154.79	2722	2989	3661	3314	59.8	62.5	58.3	59.4
		52.09	12.65	152.50	3020	3318	3897	3621	59.8	63.7	58.3	70.2
		56.55	13.72	150.37	3296	3621	3897	3901	59.8	63.7	58.3	78.5
	C-90	34.23	8.05	161.70	1944	2131	2691	2664	49.2	49.2	49.2	27.8
		38.69	9.19	159.41	2282	2504	3056	3020	56.2	56.2	56.2	39.6
		43.16	10.36	157.07	2624	2882	3416	3381	63.3	63.3	63.3	52.3
		47.62	11.51	154.79	2954	3243	3768	3732	65.6	65.6	65.6	64.7
		52.09	12.65	152.50	3278	3599	3897	4070	65.6	65.6	65.6	77.0
	C-90	56.55	13.72	150.37	3581	3928	3897	4386	65.6	65.6	65.6	88.4
	C-95 T-95	34.23	8.05	161.70	2046	2246	2829	2811	51.9	51.9	51.9	28.5
		38.69	9.19	159.41	2406	2638	3212	3189	59.3	59.3	59.3	40.5
		43.16	10.36	157.07	2767	3038	3594	3572	65.6	65.6	66.8	54.0
		47.62	11.51	154.79	3114	3416	3963	3937	65.6	65.6	69.3	67.2
		52.09	12.65	152.50	3456	3794	4092	4297	65.6	65.6	69.3	80.3
		56.55	13.72	150.37	3772	4141	4092	4631	65.6	65.6	69.3	92.7
177.8	P-110	34.23	8.05	161.70	2389	2624	3345	3256	60.1	60.1	60.1	30.5
		38.69	9.19	159.41	2807	3083	3794	3692	65.6	65.6	68.7	43.0
		43.16	10.36	157.07	3229	3545	4248	4132	65.6	65.6	77.4	58.8
		47.62	11.51	154.79	3634	3990	4684	4559	65.6	65.6	80.3	74.3
		52.09	12.65	152.50	4035	4430	4875	4978	65.6	65.6	80.3	89.8
		56.55	13.72	150.37	4404	4835	4875	5360	65.6	65.6	80.3	104.4
	Q-125	34.23	8.05	161.70	2673	2914	3661	3701	65.6	65.6	68.3	32.0
		38.69	9.19	159.41	3145	3421	4155	4199	65.6	65.6	78.0	44.5
		43.16	10.36	157.07	3616	3937	4648	4697	65.6	65.6	81.3	62.8
		47.62	11.51	154.79	4070	4430	5124	5182	65.6	65.6	81.3	80.7
		52.09	12.65	152.50	4519	4920	5262	5658	99.5	99.5	91.1	98.7
		56.55	13.72	150.37	4929	5369	5262	6094	99.5	99.5	91.1	115.5
193.7	J-55	39.29	8.33	177.01	1401	1539	2148	1842	28.5	28.5	28.5	19.9
	J-55	44.20	9.52	174.63	1646	1810	2442	2091	32.6	32.6	32.6	27.0
		50.15	10.92	171.83	1931	2122	2780	2380	37.4	37.4	37.4	35.2
		58.04	12.70	168.28	2286	2509	3203	2740	43.5	43.5	43.5	45.6
		63.69	14.27	165.13	2593	2847	3567	3051	47.3	48.9	46.4	51.8
		67.41	15.11	163.45	2753	3025	3759	3216	47.3	49.7	46.4	54.5
		70.09	15.88	161.93	2900	3185	3932	3363	47.3	49.7	46.4	57.1
193.7	K-55	39.29	8.33	177.01	1521	1677	2584	1842	28.5	28.5	28.5	19.9
		44.20	9.52	174.63	1788	1971	2936	2091	32.6	32.6	32.6	27.0
		50.15	10.92	171.83	2095	2309	3341	2380	37.4	37.4	37.4	35.2
		58.04	12.70	168.28	2482	2731	3843	2740	43.5	43.5	43.5	45.6
		63.69	14.27	165.13	2816	3096	4284	3051	47.3	48.9	46.4	51.8
		67.41	15.11	163.45	2989	3292	4515	3216	47.3	49.7	46.4	54.5
		70.09	15.88	161.93	3145	3465	4724	3363	47.3	49.7	46.4	57.1
	C-75	39.29	8.33	177.01	—	2051	2776	2509	39.0	—	39.0	22.6
		44.20	9.52	174.63	—	2411	3154	2851	44.5	—	44.5	32.1
		50.15	10.92	171.83	—	2825	3585	3243	51.0	—	51.0	43.4
		58.04	12.70	168.28	—	3341	4132	3732	59.4	—	59.4	57.9

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					圆扣		偏梯扣		圆扣		偏梯扣	
					短扣 KN	长扣 KN			短扣 MPa	长扣 MPa		
		63.69	14.27	165.13	—	3790	4604	4159	66.7	—	63.4	70.6
		67.41	15.11	163.45	—	4026	4849	4386	67.8	—	63.3	74.4
		70.09	15.88	161.93	—	4239	5071	4586	67.8	—	63.4	77.8
193.7	L-80	39.29	8.33	177.01	1957	2144	2825	2678	41.5	41.5	41.5	23.4
		44.20	9.52	174.63	2300	2518	3207	3038	47.5	47.5	47.5	33.0
		50.15	10.92	171.83	2691	2954	3648	3461	54.5	54.5	54.5	45.2
		58.04	12.70	168.28	3185	3496	4204	3981	63.3	63.3	63.3	60.8
		63.69	14.27	165.13	3616	3968	4684	4439	68.8	71.2	67.5	74.5
		67.41	15.11	163.45	3839	4212	4933	4675	68.8	72.3	67.5	79.4
		70.09	15.88	161.93	4043	4435	5160	4893	68.8	72.3	67.5	83.0
	N-80	39.29	8.33	177.01	1984	2180	2931	2678	41.5	41.5	41.5	23.4
		44.20	9.52	174.63	2331	2558	3332	3038	47.5	47.5	47.5	33.0
		50.15	10.92	171.83	2736	2998	3790	3461	54.5	54.5	54.5	45.2
		58.04	12.70	168.28	3234	3550	4364	3981	63.3	63.3	63.3	60.8
		63.69	14.27	165.13	3670	4026	4862	4439	68.8	71.2	67.5	74.5
		67.41	15.11	163.45	3901	4279	5124	4675	68.8	72.3	67.5	79.4
		70.09	15.88	161.93	4106	4506	5360	4893	68.8	72.3	67.5	83.0
	C-90	39.29	8.33	177.01	2157	2366	3029	3011	46.7	46.7	46.7	24.9
		44.20	9.52	174.63	2535	2780	3438	3421	53.4	53.4	53.4	34.7
		50.15	10.92	171.83	2971	3261	3914	3892	61.2	61.2	61.2	48.6
		58.04	12.70	168.28	3519	3857	4506	4479	71.2	71.2	71.2	66.3
		63.69	14.27	165.13	3990	4377	5022	4991	77.4	80.0	76.0	82.0
		67.41	15.11	163.45	4239	4648	5289	5262	77.4	81.4	76.0	89.3
193.7	C-90	70.09	15.88	161.93	4462	4893	5511	5502	77.4	81.4	76.0	93.4
	C-95 T-95	39.29	8.33	177.01	2273	2491	3185	3176	49.3	49.3	49.3	25.6
		44.20	9.52	174.63	2673	2931	3616	3608	56.4	56.4	56.4	35.4
		50.15	10.92	171.83	3136	3434	4115	4106	64.7	64.7	64.7	50.2
		58.04	12.70	168.28	3710	4066	4737	4728	75.2	75.2	75.2	68.9
		63.69	14.27	165.13	4208	4613	5280	5271	81.4	81.4	80.1	85.6
		67.41	15.11	163.45	4470	4897	5565	5551	81.4	81.4	80.1	94.2
		70.09	15.88	161.93	4706	5155	5783	5809	81.4	81.4	80.1	98.6
	P-110	39.29	8.33	177.01	2656	2909	3759	3679	57.1	57.1	57.1	27.0
		44.20	9.52	174.63	3118	3421	4270	4181	65.3	65.3	65.3	36.9
		50.15	10.92	171.83	3656	4008	4862	4755	74.9	74.9	74.9	54.3
		58.04	12.70	168.28	4328	4742	5596	5476	81.4	81.4	87.0	76.4
		63.69	14.27	165.13	4911	5382	6236	6103	81.4	81.4	87.4	96.0
		67.41	15.11	163.45	5213	5716	6570	6432	81.4	81.4	87.4	106.4
		70.09	15.88	161.93	5489	6018	6873	6726	81.4	81.4	87.4	114.1
	Q-125	39.29	8.33	177.01	2976	3261	4119	4181	64.9	64.9	64.9	27.9
		44.20	9.52	174.63	3496	3830	4680	4751	74.2	74.2	74.2	39.1
		50.15	10.92	171.83	4097	4488	5325	5405	81.4	81.4	85.1	57.5
		58.04	12.70	168.28	4849	5311	6134	6223	98.9	98.9	98.9	83.2
		63.69	14.27	165.13	5502	6027	6832	6935	111.1	111.1	105.4	105.8
193.7	Q-125	67.41	15.11	163.45	5845	6401	7202	7308	113.1	113.1	105.4	117.8
		70.09	15.88	161.93	6152	6739	7437	7642	113.1	113.1	105.4	128.9
244.5	J-55	53.57	8.94	226.59	1753	2015	2842	2509	24.3	24.3	24.3	13.9
		59.53	10.03	224.41	2011	2313	3176	2802	27.2	27.2	27.2	17.7
		64.74	11.05	222.38	2246	2589	3483	3074	30.0	30.0	30.0	22.4
		69.94	11.99	220.50	2464	2838	3763	3318	32.5	32.5	32.5	26.8
		79.62	13.84	216.79	2891	3327	4310	3803	37.6	37.6	37.6	35.4
	K-55	53.57	8.94	226.59	1882	2175	3358	2509	24.3	24.3	24.3	13.9
		59.53	10.03	224.41	2162	2495	3750	2802	27.2	27.2	27.2	17.7
		64.74	11.05	222.38	2420	2793	4115	3074	30.0	30.0	30.0	22.4
		69.94	11.99	220.50	2656	3065	4444	3318	32.5	32.5	32.5	26.8
		79.62	13.84	216.79	3114	3594	5093	3803	37.6	37.6	37.6	35.4
	C-75	59.53	10.03	224.41	—	3087	4119	3821	37.2	—	37.2	20.6
		64.74	11.05	222.38	—	3452	4519	4190	40.9	—	40.9	25.7
		69.94	11.99	220.50	—	3790	4884	4528	44.1	—	44.4	31.8
		79.62	13.84	216.79	—	4444	5591	5187	51.2	—	51.2	43.8

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短扣 MPa	长扣 MPa		
	L-80	48.07	7.92	228.63	2113	2429	—	3247	31.3	31.3	—	11.8
		59.53	10.03	224.41	2816	3234	4212	4075	39.6	39.6	39.6	21.3
		64.74	11.05	222.38	3149	3616	4617	4470	43.6	43.6	43.6	26.3
		69.94	11.99	220.50	3456	3972	4991	4831	47.4	47.4	47.4	32.8
	L-80	79.62	13.84	216.79	4052	4657	5720	5534	54.7	54.7	54.7	45.6
	N-80	48.07	7.92	228.63	2140	2460	—	3247	31.3	31.3	—	11.8
		59.53	10.03	224.41	2856	3278	4355	4075	39.6	39.6	39.6	21.3
		64.74	11.05	222.38	3194	3670	4777	4470	43.6	43.6	43.6	26.3
		69.94	11.99	220.50	3501	4026	5164	4831	47.4	47.4	47.4	32.8
		79.62	13.84	216.79	4106	4724	5912	5534	54.7	54.7	54.7	45.6
	C-90	48.07	7.92	228.63	2335	2682	—	3656	35.2	35.2	—	11.8
		59.53	10.03	224.41	3114	3576	4542	4586	44.5	44.5	44.5	22.4
		64.74	11.05	222.38	3483	3999	4978	5026	49.1	49.1	49.1	27.6
244.5		69.94	11.99	220.50	3825	4390	5382	5431	53.2	53.2	53.2	34.5
		79.62	13.84	216.79	4484	5147	6165	6223	58.3	58.3	61.5	49.1
	C-95	48.07	7.92	228.63	2464	2829	—	3857	37.2	37.2	—	11.8
		59.53	10.03	224.41	3283	3768	4777	4840	47.0	47.0	47.0	22.9
		64.74	11.05	222.38	3674	4217	5240	5307	51.8	51.8	51.8	28.4
	T-95	69.94	11.99	220.50	4030	4626	5663	5734	56.2	56.2	56.2	35.1
		79.62	13.84	216.79	4728	5427	6486	6570	58.3	58.3	58.3	50.6
	P-110	48.07	7.92	228.63	2874	3301	—	4466	43.0	43.0	—	11.8
		53.57	8.94	226.59	3336	3830	5040	5018	48.5	48.5	48.5	17.0
		59.53	10.03	224.41	3830	4395	5631	5605	54.5	54.5	54.5	23.9
		64.74	11.05	222.38	4284	4920	6174	6143	60.0	60.0	60.0	30.5
	P-110	69.94	11.99	220.50	4697	5396	6672	6641	65.1	65.1	63.2	36.5
		79.62	13.84	216.79	5511	6325	7642	7606	66.7	66.7	63.2	54.8
	Q-125	48.07	7.92	228.63	3225	3701	—	5075	48.9	48.9	—	11.8
244.5		53.57	8.94	226.59	3745	4297	5547	5703	55.2	55.2	55.2	17.0
		59.53	10.03	224.41	4297	4929	6196	6370	61.9	61.9	61.9	24.3
		64.74	11.05	222.38	4809	5516	6792	6984	66.7	66.7	63.2	31.9
		69.94	11.99	220.50	5276	6050	7340	7549	74.0	74.0	74.0	38.9
		79.62	13.84	216.79	6183	7095	8407	8643	85.4	85.4	85.4	58.2
	J-55	60.27	8.89	255.27	1868	2131	3114	2798	21.6	21.6	21.6	10.9
		67.71	10.16	252.73	2193	2500	3541	3180	24.7	24.7	24.7	14.4
		75.90	11.43	250.19	2513	2869	3963	3563	27.8	27.8	27.8	18.6
	K-55	60.27	8.89	255.27	2002	2291	3643	2798	21.6	21.6	21.6	10.9
		67.71	10.16	252.73	2349	2687	4141	3180	24.7	24.7	24.7	14.4
273.1		75.90	11.43	250.19	2696	3083	4639	3563	27.8	27.8	27.8	18.6
	C-75	75.90	11.43	250.19	3363	—	5160	4857	37.9	—	37.9	21.4
		82.59	12.57	247.90	3750	—	5654	5320	41.6	—	41.6	27.0
	L-80	60.27	8.89	255.27	2624	2985	4155	4070	31.4	31.4	31.4	11.9
		67.71	10.16	252.73	3078	3505	4728	4626	35.9	35.9	35.9	17.0
		75.90	11.43	250.19	3532	4017	5293	5182	40.4	40.4	40.4	22.2
		82.59	12.57	247.90	3932	4475	5796	5676	44.5	44.5	44.5	27.7
	L-80	90.33	13.84	245.36	4373	4982	6352	6219	47.4	49.0	49.0	35.6
		97.77	15.11	242.82	4813	5480	6899	6757	47.4	53.4	51.4	43.4
	N-80	60.27	8.89	255.27	2656	3025	4288	4070	31.4	31.4	31.4	11.9
		67.71	10.16	252.73	3118	3554	4880	4626	35.9	35.9	35.9	17.0
		75.90	11.43	250.19	3576	4075	5462	5182	40.4	40.4	40.4	22.2
		82.59	12.57	247.90	3981	4537	5983	5676	44.5	44.5	44.5	27.7
		90.33	13.84	245.36	4430	5049	6552	6219	47.4	49.0	49.0	35.6
		97.77	15.11	242.82	4875	5551	7117	6757	47.4	53.4	51.4	43.4
	C-90	75.90	11.43	250.19	3910	4448	5725	5827	45.4	45.4	45.4	23.4
		82.59	12.57	247.90	4355	4955	6268	6383	47.4	50.0	50.0	28.7
273.1		60.27	8.89	255.27	3065	3483	4728	4831	37.3	37.3	37.3	11.9
		67.71	10.16	252.73	3594	4088	5378	5498	42.7	42.7	42.7	17.8
	C-95	75.90	11.43	250.19	4124	4688	6023	6152	47.4	48.0	48.0	24.0
	T-95	82.59	12.57	247.90	4591	5222	6597	6739	47.4	52.8	51.4	29.6
		90.33	13.84	245.36	5107	5809	7228	7384	47.4	58.1	51.4	38.5

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣		园扣		偏梯扣	
					短扣 KN	长扣 KN	KN		短扣 MPa	长扣 MPa	MPa	
		97.77	15.11	242.82	5618	6392	7851	8020	47.4	58.3	51.4	48.1
	P-110	60.27	8.89	255.27	3567	4061	5565	5596	43.2	43.2	43.2	11.9
		67.71	10.16	252.73	4190	4768	6330	6365	49.4	49.4	49.4	18.0
		75.90	11.43	250.19	4804	5467	7090	7126	54.2	55.6	51.4	25.2
		82.59	12.57	247.90	5351	6090	7762	7802	54.2	61.1	51.4	31.8
	P-110	90.33	13.84	245.36	5952	6775	8505	8549	54.2	66.7	51.4	40.5
		97.77	15.11	242.82	6548	7451	9239	9288	54.2	66.7	51.4	51.7
273.1		60.27	8.89	255.27	4008	4559	6139	6357	49.1	49.1	49.1	11.9
		67.71	10.16	252.73	4706	5351	6984	7233	54.2	56.1	51.4	18.0
	Q-125	75.90	11.43	250.19	5396	6134	7820	8096	54.2	63.2	51.4	25.8
		82.90	12.57	247.90	6010	6832	8563	8865	54.2	66.7	51.4	33.4
		90.33	13.84	245.36	6681	7602	9381	9715	54.2	66.7	51.4	41.9
		97.77	15.11	242.82	7348	8363	10191	10556	54.2	66.7	51.4	54.6
	J-55	81.10	9.65	320.42	2286	2651	4043	3794	18.8	18.8	18.8	7.8
		90.78	10.92	317.88	2647	3069	4559	4279	21.3	21.3	21.3	10.6
		101.20	12.19	315.34	3003	3483	5071	4755	23.8	23.8	23.8	13.4
	K-55	81.10	9.65	320.42	2433	2829	4617	3794	18.8	18.8	18.8	7.8
		90.78	10.92	317.88	2816	3274	5200	4279	21.3	21.3	21.3	10.6
339.7		101.20	12.19	315.34	3194	3714	5783	4755	23.8	23.8	23.8	13.4
	C-75	101.20	12.19	315.34	4026	—	6655	6486	31.4	—	32.5	15.3
		107.15	13.06	313.61	4350	—	7108	6930	31.4	—	34.0	17.9
	L-80	81.10	9.65	320.42	3225	3732	5485	5520	27.4	27.4	27.4	7.9
		90.78	10.92	317.88	3732	4319	6179	6223	31.0	31.0	31.0	11.5
		101.20	12.19	315.34	4235	4902	6873	6921	31.4	34.6	34.0	15.6
		107.15	13.06	313.61	4577	5298	7340	7388	31.4	37.1	34.0	18.4
	N-80	81.10	9.65	320.42	3261	3777	5627	5520	27.4	27.4	27.4	7.9
		90.78	10.92	317.88	3777	4373	6343	6223	31.0	31.0	31.0	11.5
		101.20	12.19	315.34	4284	4960	7050	6921	31.4	34.6	34.0	15.6
		107.15	13.06	313.61	4626	5360	7531	7388	31.4	37.1	34.0	18.4
	C-90	81.10	9.65	320.42	3576	4137	5974	6210	30.8	30.8	30.8	7.9
		90.78	10.92	317.88	4141	4791	6735	7002	31.4	34.9	34.0	11.5
		101.20	12.19	315.34	4702	5436	7486	7784	31.4	39.0	34.0	16.0
		107.15	13.06	313.61	5080	5872	7993	8314	31.4	41.7	34.0	19.2
	C-95	81.10	9.65	320.42	3772	4364	6290	6557	31.4	32.5	32.5	7.9
		90.78	10.92	317.88	4368	5053	7090	7388	31.4	36.8	34.0	11.5
339.7	T-95	101.20	12.19	315.34	4955	5734	7882	8216	31.4	41.2	34.0	16.1
		107.15	13.06	313.61	5356	6192	8420	8776	31.4	44.1	34.0	19.4
	P-110	81.10	9.65	320.42	4395	5084	7380	7589	35.9	37.7	34.0	7.9
		90.78	10.92	317.88	5084	5885	8318	8558	35.9	42.7	34.0	11.5
		101.20	12.19	315.34	5769	6677	9248	9515	35.9	47.6	34.0	16.1
		107.15	13.06	313.61	6236	7215	9880	10160	35.9	51.0	34.0	19.9
	Q-125	81.10	9.65	320.42	4942	5716	8185	8625	35.9	42.8	34.0	7.9
		90.78	10.92	317.88	5720	6615	9226	9724	35.9	48.5	34.0	11.5
		101.20	12.19	315.34	6490	7509	10258	10814	35.9	54.1	34.0	16.1
		107.15	13.06	313.61	7010	8109	10956	11548	35.9	58.0	58.0	19.9
	J-55	139.89	11.13	485.75	3487	4035	6236	6583	14.5	14.5	14.5	3.6
		158.49	12.70	482.60	4061	4702	7099	7495	16.5	16.5	16.0	5.3
508.0		197.93	16.13	475.74	5302	6139	8950	9452	16.5	16.5	16.0	10.3
	K-55	139.89	11.13	485.75	3665	4248	6579	6583	14.5	14.5	14.5	3.6
		158.49	12.70	482.60	4270	4951	7486	7495	16.5	16.5	16.0	5.3
		197.93	16.13	475.74	5574	6463	9444	9452	16.5	16.5	16.0	10.3

注:API新版本已取消C75钢种.

API套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					圆扣		偏梯扣 KN		圆扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短扣 MPa	长扣 MPa		

API套管强度数据

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API套管强度数据

API套管强度数据

API套管强度数据

川崎(KO)API园螺纹及FOX扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 FOX接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 FOX接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
139.7	J-55	23.07	6.99	125.73	899	965	1334	—	1103	33.2	33.2	32.6	33.2	27.9
		25.30	7.72	124.26	1019	1099	1463	—	1214	36.7	36.7	32.6	36.7	33.9
	K-55	23.07	6.99	125.73	899	1063	1628	—	1103	33.2	33.2	32.6	33.2	27.9
		25.30	7.72	124.26	1121	1210	1788	—	1214	36.7	36.7	32.6	36.7	33.9
	C-75	25.30	7.72	124.26	—	1455	1882	—	1655	50.0	50.0	44.5	50.0	41.6
		29.76	9.17	121.36	—	1793	2211	—	1944	59.4	58.1	44.5	59.4	58.0
		34.23	10.54	118.62	—	2104	2447	—	2211	63.8	58.1	44.5	68.3	72.2
	L-80	25.30	7.72	124.26	—	1503	1904	—	1766	53.4	53.4	47.4	53.4	43.3
		29.76	9.17	121.36	—	1850	2237	—	2073	63.4	62.0	47.4	63.4	60.9
		34.23	10.54	119.13	—	2175	2447	—	2358	68.1	62.0	47.4	72.8	76.9
	N-80	25.30	7.72	124.26	—	1548	1984	—	1766	53.4	53.4	47.4	53.4	43.3
		29.76	9.17	121.36	—	1904	2331	—	2073	63.4	62.0	47.4	63.4	60.9
		34.23	10.54	118.62	—	2233	2576	—	2358	68.1	62.0	47.4	72.8	76.9
	C-90	25.30	7.72	124.26	—	1584	2028	—	1988	60.1	60.1	53.4	60.1	46.5
		29.76	9.17	121.36	—	1948	2384	—	2335	71.3	69.8	53.4	71.3	66.4
		34.23	10.54	118.62	—	2286	2580	—	2656	76.6	69.8	53.4	81.9	85.4
		39.88	12.70	114.30	—	2807	2580	—	3145	90.8	69.8	53.4	98.7	102.6
	C-95	25.30	7.72	124.26	—	1664	2135	—	2095	63.4	63.4	56.3	63.4	47.8
		29.76	9.17	121.36	—	2046	2504	—	2464	75.2	73.6	56.3	75.2	69.0
		34.23	10.54	118.62	—	2402	2705	—	2802	80.9	73.6	56.3	86.5	89.2
139.7	T-95	25.30	7.72	124.26	—	1664	2135	—	2095	63.4	63.4	56.3	63.4	47.8
		29.76	9.17	121.36	—	2046	2504	—	2464	75.2	73.6	56.3	75.2	69.0
		34.23	10.54	118.62	—	2402	2705	—	2802	80.9	73.6	56.3	86.5	89.2
		39.88	12.70	114.30	—	2945	2709	—	3318	90.8	73.6	56.3	104.2	108.2
	P-110	25.30	7.72	124.26	—	1979	2527	—	2429	73.4	73.4	65.2	73.4	51.6
		29.76	9.17	121.36	—	2438	2967	—	2851	87.1	85.2	65.2	87.1	76.5
		34.23	10.54	118.62	—	2860	3221	—	3243	90.7	85.2	65.2	100.1	100.2
	Q-125	34.23	10.54	118.62	—	3087	3479	—	3688	90.8	96.9	—	113.8	110.8
	KO-70	20.83	6.10	127.30	752	850	1246	—	1028	37.2	37.2	37.2	37.2	23.3
		23.07	6.99	125.73	952	1028	1423	—	1174	42.7	42.7	42.7	42.7	33.0
		25.30	7.72	124.26	1165	1259	1650	—	1361	50.0	50.0	45.0	50.0	45.6
	K0-110	25.30	7.72	124.26	—	1979	2527	—	2429	73.4	73.4	65.2	73.4	51.6
		29.76	9.17	121.36	—	2438	2967	—	2851	87.1	85.3	65.2	87.1	76.7
	KO-80T	20.83	6.10	127.30	1081	1161	1610	—	1432	42.8	42.8	—	42.8	34.5
		23.07	6.99	125.73	1263	1361	1806	—	1606	48.3	48.3	—	48.3	40.0
		25.30	7.72	124.26	1437	1548	1984	—	1766	53.4	53.4	—	53.4	47.8
	KO-95T	25.30	7.72	124.26	—	1744	2215	—	2095	63.4	63.4	56.3	63.4	62.1
		29.76	9.17	121.36	—	2144	2602	—	2464	75.2	73.6	56.3	75.2	80.6
		34.23	10.54	118.62	—	2518	2838	—	2802	80.9	73.6	56.3	86.5	98.2
		39.88	12.70	114.30	—	3083	2838	—	3318	90.8	73.6	56.3	104.2	125.9
139.7	KO-95TS	25.30	7.72	124.26	—	1664	2135	2095	2095	63.4	63.4	56.3	63.4	59.2
		29.76	9.17	121.36	—	2046	2504	2464	2464	75.2	73.6	56.3	75.2	73.3
		34.23	10.54	118.62	—	2402	2709	2460	2802	80.9	73.6	56.3	86.5	89.1
		39.88	12.70	114.30	—	2945	2709	2487	3318	90.8	73.6	56.3	104.2	108.2
	KO-110T	25.30	7.72	124.26	—	1979	2527	2429	2429	73.4	73.4	65.2	73.4	69.2
		29.76	9.17	121.36	—	2438	2967	2851	2851	87.1	85.3	65.2	87.1	95.2
		34.23	10.54	118.62	—	2860	3225	2882	3243	90.8	85.3	65.2	100.2	112.6
		39.88	12.70	114.30	—	3505	3221	2882	3843	90.8	85.3	65.2	120.7	140.0
	KO-80S	25.30	7.72	124.26	—	1503	1904	1766	1766	53.4	53.4	47.4	53.4	43.3
		29.76	9.17	121.36	—	1850	2237	2073	2073	63.4	62.1	47.4	63.4	60.9
		34.23	10.54	118.62	—	2175	2447	2095	2358	68.1	62.1	47.4	72.8	76.9
		39.88	12.70	114.30	—	2664	2447	2095	2793	83.1	62.1	47.4	87.8	91.1
	KO-85S	25.30	7.72	124.26	—	1530	1966	—	1877	56.7	56.7	50.4	56.7	44.9
		29.76	9.17	121.36	—	1899	2309	—	2202	67.3	65.9	50.4	67.3	63.6
		34.23	10.54	118.62	—	2233	2518	—	2509	72.4	65.9	50.4	77.4	81.4
		39.88	12.70	114.30	—	2736	2518	—	2971	88.3	65.9	50.4	93.2	96.9
	KO-90S	25.30	7.72	124.26	—	1584	2028	1988	1988	60.1	60.1	53.4	60.1	46.5
		29.76	9.17	121.36	—	1948	2384	2335	2335	71.3	69.8	53.4	71.3	66.4
		34.23	10.54	118.62	—	2286	2580	2358	2656	76.6	69.8	53.4	81.9	85.4

川崎(KO)API园螺纹及FOX扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 FOX接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 FOX接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
		39.88	12.70	114.30	—	2807	2580	2358	3145	90.8	69.8	53.4	98.7	102.6
139.7	KO-95S	25.30	7.72	124.26	—	1664	2135	2095	2095	63.4	63.4	56.3	63.4	47.8
		29.76	9.17	121.36	—	2046	2504	2464	2464	75.2	73.6	56.3	75.2	68.9
		34.23	10.54	118.62	—	2402	2709	2487	2802	80.9	73.6	56.3	86.5	89.1
		39.88	12.70	114.30	—	2945	2709	2487	3318	90.8	73.6	56.3	104.2	108.2
	KO-110S	25.30	7.72	124.26	—	1979	2527	2429	2429	73.4	73.4	65.2	73.4	51.6
		29.76	9.17	121.36	—	2438	2967	2851	2851	87.1	85.3	65.2	87.1	76.7
		34.23	10.54	118.62	—	2860	3225	2882	3243	90.8	85.3	65.2	100.2	100.3
		39.88	12.70	114.30	—	3505	3221	2882	3843	90.8	85.3	65.2	120.7	125.3
	KO-85SS	25.30	7.72	124.26	—	1530	1966	—	1877	56.7	56.7	50.4	56.7	44.9
		29.76	9.17	121.36	—	1899	2309	—	2197	67.3	65.9	50.4	67.3	63.6
		34.23	10.54	118.62	—	2233	2518	—	2509	72.4	65.9	50.4	77.4	81.4
		39.88	12.70	114.30	—	2736	2518	—	2971	88.3	65.9	50.4	93.2	96.9
	KO-90SS	25.30	7.72	124.26	—	1584	2028	—	1988	60.1	60.1	53.4	60.1	46.5
		29.76	9.17	121.36	—	1948	2384	—	2335	71.3	69.8	53.4	71.3	66.4
		34.23	10.54	118.62	—	2286	2580	—	2656	76.6	69.8	53.4	81.9	85.4
		39.88	12.70	114.30	—	2807	2580	—	3145	90.8	69.8	53.4	98.7	102.6
	KO-95SS	25.30	7.72	124.26	—	1664	2135	—	2095	63.4	63.4	60.1	63.4	47.8
		29.76	9.17	121.36	—	2046	2504	—	2464	75.2	73.6	56.3	75.2	68.9
		34.23	10.54	118.62	—	2402	2709	—	2802	80.9	73.6	56.3	86.5	89.1
		39.88	12.70	114.30	—	2945	2709	—	3318	90.8	73.6	56.3	104.2	108.2
139.7	KO-110SS	25.30	7.72	124.26	—	1979	2527	—	2429	73.4	73.4	65.2	73.4	51.6
		29.76	9.17	121.36	—	2438	2967	—	2851	87.1	85.3	65.2	87.1	76.7
		34.23	10.54	118.62	—	2860	3225	—	3243	90.8	85.3	65.2	100.2	100.3
		39.88	12.70	114.30	—	3505	3221	—	3843	90.8	85.3	65.2	120.7	125.3
	KO-80L	25.30	7.72	124.26	—	1503	1904	—	1766	53.4	53.4	47.4	53.4	43.3
		29.76	9.17	121.36	—	1850	2237	—	2073	63.4	62.1	47.4	63.4	60.9
		34.23	10.54	118.62	—	2175	2447	—	2358	68.1	62.1	47.4	72.8	76.9
		39.88	12.70	114.30	—	2664	2447	—	2793	83.1	62.1	47.4	87.8	91.1
	KO-95L	25.30	7.72	124.26	—	1744	2215	—	2095	63.4	63.4	56.3	63.4	47.8
		29.76	9.17	121.36	—	2144	2602	—	2464	75.2	73.6	56.3	75.2	68.9
		34.23	10.54	118.62	—	2518	2838	—	2802	80.9	73.6	56.3	86.5	89.1
		39.88	12.70	114.30	—	3083	2838	—	3318	90.8	73.6	56.3	104.2	108.2
	KO-105L	25.30	7.72	124.26	—	1899	2424	—	2318	70.1	70.1	62.3	70.1	50.3
		29.76	9.17	121.36	—	2340	2847	—	2722	83.2	81.4	62.3	83.2	74.0
		34.23	10.54	118.62	—	2745	3092	—	3096	89.4	81.4	62.3	95.6	96.5
		39.88	12.70	114.30	—	3367	3096	—	3670	90.8	81.4	62.3	115.1	119.7
	KO-110L	25.30	7.72	124.26	—	1979	2527	—	2429	73.4	73.4	65.2	73.4	51.6
		29.76	9.17	121.36	—	2438	2967	—	2851	87.1	85.3	65.2	87.1	76.7
		34.23	10.54	118.62	—	2860	3225	—	3243	90.8	85.3	65.2	100.2	100.3
		39.88	12.70	114.30	—	3505	3221	—	3843	90.8	85.3	65.2	120.7	125.3
139.7	KO-125L	25.30	7.72	124.26	—	2140	2758	—	2758	83.4	83.4	74.1	83.4	54.4
		29.76	9.17	121.36	—	2633	3238	—	3243	90.8	96.9	74.1	99.0	83.4
		34.23	10.54	118.62	—	3087	3479	—	3688	90.8	96.9	74.1	113.8	110.7
		39.88	12.70	114.30	—	3785	3483	—	4368	90.8	96.9	74.1	137.1	142.4
	KO-125V	25.30	7.72	124.26	—	2140	2758	—	2758	83.4	83.4	74.1	83.4	54.4
		29.76	9.17	121.36	—	2633	3238	—	3243	90.8	96.9	74.1	99.0	83.4
		34.23	10.54	118.62	—	3087	3479	—	3688	90.8	96.9	74.1	113.8	110.7
		39.88	12.70	114.30	—	3785	3483	—	4368	90.8	96.9	74.1	137.1	142.4
	KO-140V	25.30	7.72	124.26	—	2375	3069	—	3092	90.8	93.4	81.9	93.4	56.3
		29.76	9.17	121.36	—	2896	3603	—	3630	90.8	108.5	81.9	110.9	89.3
		34.23	10.54	118.62	—	3434	3866	—	4128	90.8	108.5	81.9	127.5	120.5
		39.88	12.70	114.30	—	4208	3866	—	4893	90.8	108.5	81.9	153.5	159.5
	KO-150V	25.30	7.72	124.26	—	2535	3274	—	3309	90.8	100.0	81.9	100.0	57.2
		29.76	9.17	121.36	—	3118	3848	—	3888	90.8	111.0	81.9	118.8	92.9
		34.23	10.54	118.62	—	3661	4124	—	4422	90.8	111.0	81.9	136.6	126.8
		39.88	12.70	114.30	—	4488	4124	—	5240	90.8	111.0	81.9	164.5	170.9
177.8	J-55	34.23	8.05	161.70	1263	1392	1922	—	1628	30.1	30.1	27.2	30.1	22.5
		38.69	9.19	159.41	1486	1632	2180	—	1846	34.3	34.3	27.2	34.3	29.8

川崎(KO)API园螺纹及FOX扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 FOX接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 FOX接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
177.8	K-55	34.23	8.05	161.70	1375	1517	2322	—	1628	30.1	30.1	27.2	30.1	22.5
		38.69	9.19	159.41	1619	1784	2633	—	1846	34.3	34.3	27.2	34.3	29.8
177.8	C-75	34.23	8.05	161.70	—	1850	2478	—	2220	41.0	41.0	37.1	41.0	25.9
		38.69	9.19	159.41	—	2175	2807	—	2518	46.8	46.8	37.1	46.8	36.0
		43.16	10.36	157.07	—	2500	3145	—	2820	52.7	52.7	37.1	52.7	46.4
		47.62	11.51	154.79	—	3465	—	—	3109	58.5	54.7	37.1	58.5	56.5
		52.09	12.65	152.50	—	3127	3705	—	3394	59.7	54.7	37.1	64.4	66.7
		56.55	13.72	150.37	—	3412	3928	—	3656	59.7	54.7	37.1	69.8	73.6
	L-80	34.23	8.05	161.70	—	1935	2513	—	2366	43.7	43.7	39.6	43.7	26.4
		38.69	9.19	159.41	—	2273	2851	—	2687	49.9	49.9	39.6	49.9	37.3
		43.16	10.36	157.07	—	2611	3194	—	3007	56.3	56.3	39.6	56.3	48.4
		47.62	11.51	154.79	—	3519	—	—	3314	62.5	58.3	39.6	62.5	59.4
		52.09	12.65	152.50	—	3265	3705	—	3621	63.7	58.3	39.6	68.7	70.2
		56.55	13.72	150.37	—	3563	3928	—	3901	63.7	58.3	39.6	74.5	78.5
	N-80	34.23	8.05	161.70	—	1966	2616	—	2366	43.7	43.7	39.6	43.7	26.4
		38.69	9.19	159.41	—	2309	2967	—	2687	49.9	49.9	39.6	49.9	37.3
		43.16	10.36	157.07	—	2656	3318	—	3007	56.3	56.3	39.6	56.3	48.4
		47.62	11.51	154.79	—	3661	3661	—	3314	62.5	58.3	39.6	62.5	59.4
		52.09	12.65	152.50	—	3318	3897	—	3621	63.7	58.3	39.6	68.7	70.2
		56.55	13.72	150.37	—	3621	3897	—	3901	63.7	58.3	39.6	74.5	78.5
	C-90	34.23	8.05	161.70	—	2131	2691	—	2664	49.2	49.2	44.5	49.2	27.8
		38.69	9.19	159.41	—	2504	3056	—	3020	56.2	56.2	44.5	56.2	39.6
177.8	C-90	43.16	10.36	157.07	—	2882	3416	—	3381	63.3	63.3	44.5	63.3	52.3
		47.62	11.51	154.79	—	3243	3768	—	3732	65.6	65.6	44.5	70.3	64.7
		52.09	12.65	152.50	—	3599	3874	—	4070	65.6	65.6	44.5	77.3	77.0
		56.55	13.72	150.37	—	3928	3897	—	4386	65.6	65.6	44.5	83.8	88.4
	C-95	34.23	8.05	161.70	—	2246	2829	—	2811	51.9	51.9	47.0	51.9	28.5
		38.69	9.19	159.41	—	2638	3212	—	3189	59.3	59.3	47.0	59.3	40.5
		43.16	10.36	157.07	—	3038	3594	—	3572	65.6	66.8	47.0	66.8	54.0
		47.62	11.51	154.79	—	3416	3963	—	3937	65.6	69.3	47.0	74.2	67.2
		52.09	12.65	152.50	—	3794	4092	—	4297	65.6	69.3	47.0	81.6	80.3
		56.55	13.72	150.37	—	4141	4092	—	4631	65.6	69.3	47.0	88.4	92.7
	T-95	34.23	8.05	161.70	—	2246	2829	—	2811	51.9	51.9	47.0	51.9	28.5
		38.69	9.19	159.41	—	2638	3212	—	3189	59.3	59.3	47.0	59.3	40.5
		43.16	10.36	157.07	—	3038	3594	—	3572	65.6	66.8	47.0	66.8	54.0
		47.62	11.51	154.79	—	3416	3963	—	3937	65.6	69.3	47.0	74.2	67.2
		52.09	12.65	152.50	—	3794	4092	—	4297	65.6	69.3	47.0	81.6	80.3
		56.55	13.72	150.37	—	4141	4092	—	4631	65.6	69.3	47.0	88.4	92.7
	P-110	34.23	8.05	161.70	—	2624	3345	—	3256	60.1	60.1	51.6	60.1	30.7
		38.69	9.19	159.41	—	3083	3794	—	3692	65.6	68.7	51.6	68.7	43.0
		43.16	10.36	157.07	—	3545	4248	—	4132	65.6	77.4	51.6	77.4	58.8
		47.62	11.51	154.79	—	3990	4684	—	4559	65.6	80.3	51.6	85.9	74.3
177.8	P-110	52.09	12.65	152.50	—	4430	4875	—	4978	65.6	80.3	51.6	94.5	86.7
		56.55	13.72	150.37	—	4835	4875	—	5360	65.6	80.3	51.6	102.4	104.4
	Q-125	52.09	12.65	152.50	—	4920	5262	—	5658	65.6	81.4	—	107.3	98.7
		56.55	13.72	150.37	—	5369	5262	—	6094	65.6	81.4	—	116.4	115.5
	KO-70	29.76	6.91	163.98	1321	1455	2104	—	1788	32.8	32.8	32.8	32.8	17.8
		34.23	8.05	161.70	1606	1766	2438	—	2073	38.3	38.3	34.6	38.3	25.2
	KO-110	34.23	8.05	161.70	—	2624	3345	—	3256	60.1	60.1	51.6	60.1	30.7
		38.69	9.19	159.41	—	3083	3794	—	3692	65.6	68.7	51.6	68.7	43.0
	KO-80T	29.76	6.91	163.98	1472	1615	2260	—	2046	37.5	37.5	—	37.5	25.2
		34.23	8.05	161.70	1788	1966	2616	—	2366	43.7	43.7	39.6	43.7	35.2
		38.69	9.19	159.41	2100	2309	2967	—	2687	49.9	49.9	39.6	49.9	42.1
	KO-95T	34.23	8.05	161.70	—	2277	2931	—	2811	51.9	51.9	47.0	51.9	40.9
		38.69	9.19	159.41	—	2678	3323	—	3189	59.3	59.3	47.0	59.3	56.5
		43.16	10.36	157.07	—	3078	3719	—	3572	65.6	66.8	47.0	66.8	67.4
		47.62	11.51	154.79	—	3465	4101	—	3937	65.6	69.3	47.0	74.2	78.9
		52.09	12.65	152.50	—	3848	4288	—	4297	65.6	69.3	47.0	81.6	90.5
		56.55	13.72	150.37	—	4199	4288	—	4631	65.6	69.3	47.0	88.5	101.2

川崎(KO)API园螺纹及FOX扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度				管体抗拉强度 KN	抗内压				抗挤强度 MPa
					园扣		偏梯扣 KN	FOX接头 KN		园扣 MPa	偏梯扣 MPa	FOX接头 MPa	管体 MPa	
					短园 KN	长园 KN								
		34.23	8.05	161.70	—	2246	2829	2811	2811	51.9	51.9	47.0	51.9	39.0
	KO-95TS	38.69	9.19	159.41	—	2638	3212	3189	3189	59.3	59.3	47.0	59.3	53.8
		43.16	10.36	157.07	—	3038	3594	3572	3572	65.6	66.8	47.0	66.8	63.4
		47.62	11.51	154.79	—	3416	3963	3790	3937	65.6	69.3	47.0	74.2	71.7
	KO-95TS	52.09	12.65	152.50	—	3794	4092	—	4297	65.6	69.3	47.0	81.6	80.3
		56.55	13.72	150.37	—	4141	4092	—	4631	65.6	69.3	47.0	88.5	92.7
		34.23	8.05	161.70	—	2624	3345	3256	3256	60.1	60.1	51.6	60.1	40.5
		38.69	9.19	159.41	—	3083	3794	3692	3692	65.6	68.7	51.6	68.7	58.1
	KO-110T	43.16	10.36	157.07	—	3545	4248	4128	4132	65.6	77.4	51.6	77.4	78.5
		47.62	11.51	154.79	—	3990	4684	4386	4559	65.6	80.2	51.6	85.9	93.6
		52.09	12.65	152.50	—	4430	4871	4386	4978	65.6	80.2	51.6	94.5	104.9
		56.55	13.72	150.37	—	4835	4871	4386	5365	65.6	80.2	51.6	102.4	115.6
177.8		34.23	8.05	161.70	—	1935	2513	2366	2366	43.7	43.7	39.6	43.7	26.4
		38.69	9.19	159.41	—	2273	2851	2687	2687	49.9	49.9	39.6	49.9	37.3
	KO-80S	43.16	10.36	157.07	—	2611	3194	3007	3007	56.3	56.3	39.6	56.3	48.5
		47.62	11.51	154.79	—	2940	3519	3189	3314	62.5	58.3	39.6	62.5	59.4
		52.09	12.65	152.50	—	3265	3705	3189	3621	63.7	58.3	39.6	68.7	70.3
		56.55	13.72	150.37	—	3563	3705	3189	3901	63.7	58.3	39.6	69.5	78.5
		34.23	8.05	161.70	—	2024	2607	—	2518	46.5	46.5	42.0	46.5	26.9
		38.69	9.19	159.41	—	2380	2949	—	2856	53.0	53.0	42.0	53.0	38.5
	KO-85S	43.16	10.36	157.07	—	2736	3305	—	3194	59.8	59.8	42.0	59.8	50.3
		47.62	11.51	154.79	—	3083	3648	—	3523	65.6	62.0	42.0	66.4	62.0
		52.09	12.65	152.50	—	3425	3808	—	3848	65.6	62.0	42.0	72.9	73.6
	KO-85S	56.55	13.72	150.37	—	3737	3808	—	4146	65.6	62.0	42.0	79.2	83.4
		34.23	8.05	161.70	—	2131	2691	2664	2664	49.2	49.2	44.5	49.2	27.8
		38.69	9.19	159.41	—	2504	3056	3020	3020	56.2	56.2	44.5	56.2	39.6
	KO-90S	43.16	10.36	157.07	—	2882	3416	3381	3381	63.3	63.3	44.5	63.3	52.3
		47.62	11.51	154.79	—	3243	3768	3590	3732	65.6	65.6	44.5	70.3	64.7
		52.09	12.65	152.50	—	3599	3897	3590	4075	65.6	65.6	44.5	77.3	77.0
		56.55	13.72	150.37	—	3928	3897	3590	4386	65.6	65.6	44.5	83.8	88.4
		34.23	8.05	161.70	—	2246	2829	2811	2811	51.9	51.9	47.0	51.9	28.6
		38.69	9.19	159.41	—	2638	3212	3189	3189	59.3	59.3	47.0	59.3	40.6
177.8	KO-95S	43.16	10.36	157.07	—	3038	3594	3572	3572	65.6	66.8	47.0	66.8	54.1
		47.62	11.51	154.79	—	3416	3963	3790	3937	65.6	69.3	47.0	74.2	67.2
		52.09	12.65	152.50	—	3794	4092	3790	4297	65.6	69.3	47.0	81.6	80.3
		56.55	13.72	150.37	—	4141	4092	3790	4631	65.6	69.3	47.0	88.5	92.7
		34.23	8.05	161.70	—	2624	3345	3256	3256	60.1	60.1	51.6	60.1	30.7
		38.69	9.19	159.41	—	3083	3794	3692	3692	65.6	68.7	51.6	68.7	43.0
	KO-110S	43.16	10.36	157.07	—	3545	4248	4132	4132	65.6	77.4	51.6	77.4	58.9
		47.62	11.51	154.79	—	3990	4684	4386	4559	65.6	80.2	51.6	85.9	74.4
		52.09	12.65	152.50	—	4430	4871	4386	4978	65.6	80.2	51.6	94.5	89.8
		56.55	13.72	150.37	—	4835	4871	4386	5365	65.6	80.2	51.6	102.4	104.4
	KO-85SS	34.23	8.05	161.70	—	2024	2607	—	2518	46.5	46.5	42.0	46.5	26.9
		38.69	9.19	159.41	—	2949	2380	—	2856	53.0	53.0	42.0	53.0	38.5
		43.16	10.36	157.07	—	2736	3305	—	3194	59.8	59.8	42.0	59.8	50.3
	KO-85SS	47.62	11.51	154.79	—	3083	3648	—	3523	65.6	62.0	42.0	66.4	62.0
		52.09	12.65	152.50	—	3425	3808	—	3848	65.6	62.0	42.0	72.9	73.6
		56.55	13.72	150.37	—	3737	3808	—	4146	65.6	62.0	42.0	79.2	83.4
		34.23	8.05	161.70	—	2131	2691	—	2664	49.2	49.2	44.5	49.2	27.8
		38.69	9.19	159.41	—	2504	3056	—	3020	56.2	56.2	44.5	56.2	39.6
	KO-90SS	43.16	10.36	157.07	—	2882	3416	—	3381	63.3	63.3	44.5	63.3	52.3
		47.62	11.51	154.79	—	3243	3768	—	3732	65.6	65.6	44.5	70.3	64.7
177.8		52.09	12.65	152.50	—	3599	3897	—	4075	65.6	65.6	44.5	77.3	77.0
		56.55	13.72	150.37	—	3928	3897	—	4386	65.6	65.6	44.5	83.8	88.4
		34.23	8.05	161.70	—	2246	2829	—	2811	51.9	51.9	47.0	51.9	28.6
		38.69	9.19	159.41	—	2638	3212	—	3189	59.3	59.3	47.0	59.3	40.6
	KO-95SS	43.16	10.36	157.07	—	3038	3594	—	3572	65.6	66.8	47.0	66.8	54.1
		47.62	11.51	154.79	—	3416	3963	—	3937	65.6	69.3	47.0	74.2	67.2
		52.09	12.65	152.50	—	3794	4092	—	4297	65.6	69.3	47.0	81.6	80.3

川崎(KO)API园螺纹及FOX扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度				管体抗拉强度 KN	抗内压				抗挤强度 MPa
					园扣		偏梯扣 KN	FOX接头 KN		园扣 MPa	偏梯扣 MPa	FOX接头 MPa	管体 MPa	
					短园 KN	长园 KN								
		56.55	13.72	150.37	—	4141	4092	—	4631	65.6	69.3	47.0	88.5	92.7
	KO-110SS	34.23	8.05	161.70	—	2624	3345	—	3256	60.1	60.1	51.6	60.1	30.7
		38.69	9.19	159.41	—	3083	3794	—	3692	65.6	68.7	51.6	68.7	43.0
		43.16	10.36	157.07	—	3545	4248	—	4132	65.6	77.4	51.6	77.4	58.9
	KO-110SS	47.62	11.51	154.79	—	3990	4684	—	4559	65.6	80.2	51.6	85.9	74.4
		52.09	12.65	152.50	—	4430	4871	—	4978	65.6	80.2	51.6	94.5	89.8
		56.55	13.72	150.37	—	4835	4871	—	5365	65.6	80.2	51.6	102.4	104.4
	KO-80L	34.23	8.05	161.70	—	1935	2513	—	2366	43.7	43.7	39.6	43.7	26.4
		38.69	9.19	159.41	—	2273	2851	—	2687	49.9	49.9	39.6	49.9	37.3
		43.16	10.36	157.07	—	2611	3194	—	3007	56.3	56.3	39.6	56.3	48.5
		47.62	11.51	154.79	—	2940	3519	—	3314	62.5	58.3	39.6	62.5	59.4
		52.09	12.65	152.50	—	3265	3705	—	3621	63.7	58.3	39.6	68.7	70.3
		56.55	13.72	150.37	—	3563	3705	—	3901	63.7	58.3	39.6	69.5	78.5
177.8	KO-95L	34.23	8.05	161.70	—	2277	2931	—	2811	51.9	51.9	47.0	51.9	28.6
		38.69	9.19	159.41	—	2678	3323	—	3189	59.3	59.3	47.0	59.3	40.6
		43.16	10.36	157.07	—	3078	3719	—	3572	65.6	66.8	47.0	66.8	54.1
		47.62	11.51	154.79	—	3465	4101	—	3937	65.6	69.3	47.0	74.2	67.2
		52.09	12.65	152.50	—	3848	4288	—	4297	65.6	69.3	47.0	81.6	80.3
		56.55	13.72	150.37	—	4199	4288	—	4631	65.6	69.3	47.0	88.5	92.7
	KO-105L	34.23	8.05	161.70	—	2509	3207	—	3109	57.4	57.4	51.9	57.4	30.0
		38.69	9.19	159.41	—	2949	3639	—	3527	65.4	65.4	51.6	65.4	41.9
		43.16	10.36	157.07	—	3390	4070	—	3946	65.6	73.8	51.6	73.8	57.2
		47.62	11.51	154.79	—	3817	4488	—	4350	65.6	76.6	51.6	82.0	72.0
		52.09	12.65	152.50	—	4235	4675	—	4751	65.6	80.2	51.6		80.3
	KO-105L	56.55	13.72	150.37	—	4622	4675	—	5120	65.6	76.6	51.6	97.8	100.4
	KO-110L	34.23	8.05	161.70	—	2624	3345	—	3256	60.1	60.1	51.6	60.1	30.7
		38.69	9.19	159.41	—	3083	3794	—	3692	65.6	68.7	51.6	68.7	43.0
		43.16	10.36	157.07	—	3545	4248	—	4132	65.6	77.4	51.6	77.4	58.9
		47.62	11.51	154.79	—	3990	4684	—	4559	65.6	80.2	51.6	85.9	74.4
		52.09	12.65	152.50	—	4430	4871	—	4978	65.6	80.2	51.6	94.5	89.8
		56.55	13.72	150.37	—	4835	4871	—	5365	65.6	80.2	51.6	102.4	104.4
	KO-125L	34.23	8.05	161.70	—	2914	3661	—	3701	65.6	68.3	51.6	68.3	32.1
		38.69	9.19	159.41	—	3421	4155	—	4199	65.6	78.0	51.6	78.0	44.5
177.8		43.16	10.36	157.07	—	3937	4648	—	4697	65.6	81.4	51.6	87.9	62.8
		47.62	11.51	154.79	—	4430	5124	—	5182	65.6	81.4	51.6	97.6	80.7
		52.09	12.65	152.50	—	4920	5262	—	5658	65.6	81.4	51.6	107.3	98.7
		56.55	13.72	150.37	—	5369	5262	—	6094	65.6	81.4	51.6	116.4	115.4
	KO-125V	34.23	8.05	161.70	—	2914	3661	—	3701	65.6	68.3	51.6	68.3	32.1
		38.69	9.19	159.41	—	3421	4155	—	4199	65.6	78.0	51.6	78.0	44.5
		43.16	10.36	157.07	—	3937	4648	—	4697	65.6	81.4	51.6	87.9	62.8
		47.62	11.51	154.79	—	4430	5124	—	5182	65.6	81.4	51.6	97.6	80.7
		52.09	12.65	152.50	—	4920	5262	—	5658	65.6	81.4	51.6	107.3	98.7
		56.55	13.72	150.37	—	5369	5262	—	6094	65.6	81.4	51.6	116.4	115.4
	KO-140V	34.23	8.05	161.70	—	3234	4079	—	4146	65.6	76.5	51.6	76.5	32.8
	KO-140V	38.69	9.19	159.41	—	3803	4626	—	4702	65.6	81.4	51.6	87.4	46.1
		43.16	10.36	157.07	—	4373	5178	—	5262	65.6	81.4	51.6	98.5	65.5
		47.62	11.51	154.79	—	4924	5707	—	5800	65.6	81.4	51.6	109.3	86.4
		52.09	12.65	152.50	—	5467	5849	—	6334	65.6	81.4	51.6	120.2	106.8
		56.55	13.72	150.37	—	5965	5849	—	6824	65.6	81.4	51.6	130.3	125.9
177.8	KO-150V	34.23	8.05	161.70	—	3541	4355	—	4439	65.6	81.4	51.6	82.0	33.1
		38.69	9.19	159.41	—	4057	4938	—	5035	65.6	81.4	51.6	93.6	47.4
		43.16	10.36	157.07	—	4666	5529	—	5636	65.6	81.4	51.6	105.5	67.6
		47.62	11.51	154.79	—	5249	6094	—	6219	65.6	81.4	51.6	117.1	89.8
		52.09	12.65	152.50	—	5827	6236	—	6788	65.6	81.4	51.6	128.8	111.9
		56.55	13.72	150.37	—	6361	6236	—	7313	65.6	81.4	51.6	139.6	132.6

川崎(KO)API园螺纹及FOX扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度				管体抗拉强度 KN	抗内压				抗挤强度 MPa
					园扣		偏梯扣 KN	FOX接头 KN		园扣 MPa	偏梯扣 MPa	FOX接头 MPa	管体 MPa	
					短园 KN	长园 KN								

川崎(KO)φ339.7㎜特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	KO-80E,80ET	71.43(TC) 68.43(PE)	8.38	322.96	2745	3176	4902	4813	23.8	23.8	23.8	5.1
	KO-85S,13Cr85,85SS				2847	3292	4933	5115	25.3	25.3	25.3	5.1
	C90				3011	3483	5209	5413	26.8	26.8	26.8	5.1
	KO-90S,90SS				3011	3483	5209	5413	26.8	26.8	26.8	5.1
	C95,T95				3176	3670	5480	5716	28.3	28.3	28.3	5.1
	KO-HP1-13Cr95				3176	3670	5480	5716	28.3	28.3	28.3	5.1
	KO-HP2-13Cr95,95SS, 95S,13Cr95				3176	3670	5480	5716	28.3	28.3	28.3	5.1
	KO-95L				3203	3710	5605	5716	28.3	28.3	28.3	5.1
	KO-110SS,HP1-13Cr110, 110S				3665	4239	6308	6619	32.8	32.8	32.8	5.1
	KO-HP2-13Cr110				3665	4239	6308	6619	32.8	32.8	32.8	5.1
	P110				3696	4275	6432	6619	32.8	32.8	32.8	5.1
	KO-110L				3696	4275	6432	6619	32.8	32.8	32.8	5.1
	Q125				4159	4809	7135	7522	35.9	37.2	34.0	5.1
	KO-125L,125V				4159	4809	7135	7522	35.9	37.2	34.0	5.1
	KO-140V				4648	5373	7962	8420	35.9	41.6	34.0	5.1
	KO-150V				4978	5756	8514	9025	35.9	44.7	34.0	5.1
	H40	81.10(TC)	9.65	320.42	1704	1975	3096	2762	13.7	13.7	13.7	7.2

川崎(KO)φ339.7㎜特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	KO-40E	81.10(TC) 78.49(PE)	9.65	320.42	1704	1975	3096	2762	13.7	13.7	13.7	7.2
	J55				2286	2651	4043	3794	18.8	18.8	18.8	7.8
	KO-55E				2286	2651	4043	3794	18.8	18.8	18.8	7.8
	K55				2433	2829	4617	3794	18.8	18.8	18.8	7.8
	L80				3225	3732	5485	5520	27.4	27.4	27.4	7.9
	KO-13Cr80,80S,80L				3225	3732	5485	5520	27.4	27.4	27.4	7.9
	N80				3261	3777	5627	5520	27.4	27.4	27.4	7.9
	KO-80T,80E,80ET				3261	3777	5627	5520	27.4	27.4	27.4	7.9
	KO-85S,13Cr85,85SS				3385	3914	5658	5867	29.2	29.2	29.2	7.9
	C90				3576	4137	5974	6210	30.8	30.8	30.8	7.9
	KO-90S,90SS				3576	4137	5974	6210	30.8	30.8	30.8	7.9
	C95,T95				3772	4364	6290	6557	31.4	32.5	32.5	7.9
	KO-HP1-13Cr95				3772	4364	6290	6557	31.4	32.5	32.5	7.9
	KO-HP2-13Cr95,95SS, 95S,13Cr95				3772	4364	6290	6557	31.4	32.5	32.5	7.9
	KO-95L				3808	4408	6432	6557	31.4	32.5	32.5	7.9
	KO-110SS,HP1-13Cr110,110S				4359	5040	7237	7589	35.9	37.7	34.0	7.9
	KO-HP2-13Cr110				4359	5040	7237	7589	35.9	37.7	34.0	7.9
	P110				4395	5084	7380	7589	35.9	37.7	34.0	7.9

川崎(KO)φ339.7㎜特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	KO-110L	81.10(TC) 78.49(PE)	9.65	320.42	4395	5084	7380	7589	35.9	37.7	34.0	7.9
	Q125				4942	5716	8185	8625	35.9	42.8	34.0	7.9
	KO-125L,125V				4942	5716	8185	8625	35.9	42.8	34.0	7.9
	KO-140V				5525	6388	9132	9662	35.9	48.0	34.0	7.9
	KO-150V				5916	6841	9764	10351	35.9	51.4	34.0	7.9
	H40	90.78(TC) 88.47(PE)	10.92	317.88	1971	2286	3492	3109	15.5	15.5	15.5	9.3
	KO-40E				1971	2286	3492	3109	15.5	15.5	15.5	9.3
	J55				2647	3069	4559	4279	21.3	21.3	21.3	10.6
	KO-55E				2647	3069	4559	4279	21.3	21.3	21.3	10.6
	K55				2816	3274	5204	4279	21.3	21.3	21.3	10.6
	L80				3732	4319	6179	6223	31.0	31.0	31.0	11.5
	KO-13Cr80,80S,80L				3732	4319	6179	6223	31.0	31.0	31.0	11.5
	N80				3777	4373	6343	6223	31.0	31.0	31.0	11.5
	KO-80T,80ET				3777	4373	6343	6223	31.0	31.0	31.0	14.1
	KO-80E				3777	4373	6343	6223	31.0	31.0	31.0	11.5
	KO-85S,13Cr85,85SS				3914	4528	6374	6610	31.4	33.0	33.0	11.5
	C90				4141	4791	6735	7002	31.4	34.9	34.0	11.5
	KO-90S,90SS				4141	4791	6735	7002	31.4	34.9	34.0	11.5
	C95,T95				4368	5053	7090	7388	31.4	36.8	34.0	11.5

川崎(KO)φ339.7mm特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	KO-HP1-13Cr95,HP2-13Cr95, 95SS,95S,13Cr95	90.78(TC) 88.47(PE)	10.92	317.88	4368	5053	7090	7388	31.4	36.8	34.0	11.5
	KO-95L				4408	5102	7251	7388	31.4	36.8	34.0	11.5
	KO-110SS,HP1-13Cr110, 110S,HP2-13Cr110				5044	5832	8158	8558	35.9	42.7	34.0	11.5
	P110				5084	5885	8318	8558	35.9	42.7	34.0	11.5
	KO-110L				5084	5885	8318	8558	35.9	42.7	34.0	11.5
	Q125				5720	6615	9226	9724	35.9	48.5	34.0	11.5
	KO-125L,125V				5720	6615	9226	9724	35.9	48.5	34.0	11.5
	KO-140V				6397	7397	10293	10889	35.9	54.3	34.0	11.5
	KO-150V				6846	7918	11005	11668	35.9	58.2	34.0	11.5
	H40	101.20(TC) 98.37(PE)	12.19	315.34	2237	2598	3883	3461	17.3	17.3	17.3	11.4
	KO-40E				2237	2598	3883	3461	17.3	17.3	17.3	11.4
	J55				3003	3483	5071	4755	23.8	23.8	23.8	13.4
	KO-55E				3003	3483	5071	4755	23.8	23.8	23.8	13.4
	K55				3194	3714	5783	4755	23.8	23.8	23.8	13.4
	L80				4235	4902	6873	6921	31.4	34.6	34.0	15.6
	KO-13Cr80,80S,80L				4235	4902	6873	6921	31.4	34.6	34.0	15.6
	N80				4284	4960	7050	6921	31.4	34.6	34.0	15.6

川崎(KO)φ339.7mm特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣		园扣		偏梯扣	
					短扣 KN	长扣 KN	KN		短园 MPa	长园 MPa	MPa	
339.7	KO-80T,80ET	101.20(TC) 98.37(PE)	12.19	315.34	4284	4960	7050	6921	31.4	34.6	34.0	19.7
	KO-80E				4284	4960	7050	6921	31.4	34.6	34.0	15.6
	KO-85S,13Cr85,85SS				4444	5142	7090	7353	31.4	36.8	34.0	15.8
	C90				4702	5436	7486	7784	31.4	39.0	34.0	16.0
	KO-90S,90SS				4702	5436	7486	7784	31.4	39.0	34.0	16.0
	C95,T95				4955	5734	7882	8216	31.4	41.2	34.0	16.1
	KO-HP1-13Cr95, HP2-13Cr95, 95SS,95S,13Cr95				4955	5734	7882	8216	31.4	41.2	34.0	16.1
	KO-95TS				4955	5734	7882	8216	31.4	41.2	34.0	20.0
	KO-95L				5004	5792	8060	8216	31.4	41.2	34.0	16.1
	KO-95T				5004	5792	8060	8216	31.4	41.2	34.0	20.0
	KO-110SS,HP1-13Cr110, 110S,HP2-13Cr110				5725	6619	9070	9515	35.9	47.6	34.0	16.1
	P110				5769	6677	9248	9515	35.9	47.6	34.0	16.1
	KO-110L				5769	6677	9248	9515	35.9	47.6	34.0	16.1
	KO-110T				5769	6677	9248	9515	35.9	47.6	34.0	19.7
	Q125				6490	7509	10258	10814	35.9	54.1	34.0	16.1
	KO-125L,125V				6490	7509	10258	10814	35.9	54.1	34.0	16.1

川崎(KO)φ339.7mm特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	KO-140V	101.20(TC) 98.37(PE)	12.19	315.34	7259	8394	11445	12108	35.9	60.6	34.0	16.1
	KO-150V				7771	8985	12242	12975	35.9	64.9	34.0	16.1
	H40	107.15(TC) 105.06(PE)	13.06	313.61	2415	2807	4146	3696	18.5	18.5	18.5	13.2
	KO-40E				2415	2807	4146	3696	18.5	18.5	18.5	13.2
	J55				3247	3763	5413	5080	25.5	25.5	25.5	15.3
	KO-55E				3247	3763	5413	5080	25.5	25.5	25.5	15.3
	K55				3452	4012	6179	5080	25.5	25.5	25.5	15.3
	L80				4577	5298	7340	7388	31.4	37.1	34.0	18.4
	KO-13Cr80,80S,80L				4577	5298	7340	7388	31.4	37.1	34.0	18.4
	N80				4626	5360	7531	7388	31.4	37.1	34.0	18.4
	KO-80T,80ET				4626	5360	7531	7388	31.4	37.1	34.0	23.8
	KO-80E				4626	5360	7531	7388	31.4	37.1	34.0	18.4
	KO-85S,13Cr85,85SS				4800	5556	7571	7851	31.4	39.4	34.0	18.8
	C90				5080	5872	7993	8314	31.4	41.7	34.0	19.2
	KO-90S,90SS				5080	5872	7993	8314	31.4	41.7	34.0	19.2
	C95,T95				5356	6192	8420	8776	31.4	44.1	34.0	19.4
	KO-HP1-13Cr95, HP2-13Cr95, 95SS,95S,13Cr95				5356	6192	8420	8776	31.4	44.1	34.0	19.4

川崎(KO)φ339.7mm特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	KO-95TS	107.15(TC) 105.06(PE)	13.06	313.61	5356	6192	8420	8776	31.4	44.1	34.0	23.9
	KO-95L				5405	6254	8607	8776	31.4	44.1	34.0	19.4
	KO-95T				5405	6254	8607	8776	31.4	44.1	34.0	25.6
	KO-110SS,HP1-13Cr110, 110S,HP2-13Cr110				6183	7153	9688	10160	35.9	51.0	34.0	19.9
	P110				6236	7215	9880	10160	35.9	51.0	34.0	19.9
	KO-110L				6236	7215	9880	10160	35.9	51.0	34.0	19.9
	KO-110T				6236	7215	9880	10160	35.9	51.0	34.0	25.2
	Q125				7015	8109	10956	11548	35.9	58.0	34.0	19.9
	KO-125L,125V				7015	8109	10956	11548	35.9	58.0	34.0	19.9
	KO-140V				7842	9065	12224	12931	35.9	64.9	34.0	19.9
	KO-150V				8394	9706	13073	13856	35.9	66.7	34.0	19.9
	H40	114.59(TC) 112.10(PE)	13.97	311.79	2607	3025	4426	3941	19.9	19.9	19.9	15.4
	J55				3501	4057	5778	5422	27.3	27.3	27.3	17.8
	K55				3723	4328	6592	5422	27.3	27.3	27.3	17.8
	L80				4933	5712	7833	7887	31.4	39.7	34.0	21.4
	KO-13Cr80,80S,80L				4933	5712	7833	7887	31.4	39.7	34.0	21.4
	N80				4991	5778	8033	7887	31.4	39.7	34.0	21.4
	KO-85S,13Cr85,85SS				5178	5987	8082	8380	31.4	42.2	34.0	22.0

川崎(KO)φ339.7㎜特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短园 MPa	长园 MPa		
339.7	C90	114.59(TC) 112.10(PE)	13.97	311.79	5476	6334	8532	8870	31.4	44.7	34.0	22.5
	KO-90S,90SS				5476	6334	8532	8870	31.4	44.7	34.0	22.5
	C95,T95				5774	6677	8981	9364	31.4	47.2	34.0	23.0
	KO-HP1-13Cr95, HP2-13Cr95, 95SS,95S,13Cr95				5774	6677	8981	9364	31.4	47.2	34.0	23.0
	KO-95L				5827	6744	9186	9364	31.4	47.2	34.0	23.0
	KO-110SS,HP1-13Cr110, 110S,HP2-13Cr110				6668	7709	10338	10845	35.9	54.6	34.0	24.1
	P110				6721	7780	10542	10845	35.9	54.6	34.0	24.1
	KO-110L				6721	7780	10542	10845	35.9	54.6	34.0	24.1

注：1.“TC”带接箍套管单重； 2.“PE”光管单重。

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 MPa	抗挤强度 MPa
114.3	KO-70	14.14	5.21	103.89	574	694	1050	863	38.5	—	38.5	25.6
		15.63	5.69	102.92	747	787	1143	939	42.1	—	42.1	31.8
		17.26	6.35	101.60	867	916	1268	1041	47.0	—	47.0	40.3
		20.09	7.37	99.57	1054	1108	1459	1192	54.4	—	54.4	53.3
	T-95	17.26	6.35	101.60	1041	1041	1446	1410	63.7	63.7	63.7	48.5
		20.09	7.37	99.57	1263	1263	1664	1619	73.8	73.8	73.8	66.6
		22.47	8.56	97.18	1517	1517	1908	1864	84.1	85.8	80.2	87.9
	KO-110	17.26	6.35	101.60	—	1241	1713	1632	73.7	—	73.7	52.3
		20.09	7.37	99.57	—	1503	1971	1877	85.6	—	85.6	73.6
	K0-80T	14.14	5.21	103.89	636	752	1121	983	44.0	44.0	44.0	35.2
		15.63	5.69	102.92	827	854	1219	1072	48.1	48.1	48.1	39.6
		17.26	6.35	101.60	961	992	1352	1188	53.6	53.6	53.6	48.3
	KO-95T	17.26	6.35	101.60	1090	1090	1503	1410	63.7	63.7	63.7	62.5
		20.09	7.37	99.57	1321	1321	1726	1619	73.8	73.8	73.8	78.5
		22.47	8.56	97.18	1588	1588	1984	1864	84.1	85.8	80.2	97.2
	KO-95TS	17.26	6.35	101.60	1041	1041	1446	1410	63.7	63.7	63.7	59.6
		20.09	7.37	99.57	1263	1263	1664	1619	73.8	73.8	73.8	71.6
		22.47	8.56	97.18	1517	1517	1908	1864	84.1	85.8	80.2	88.0
	KO-110T	17.26	6.35	101.60	1241	1241	1713	1632	73.7	73.7	73.7	70.1
		20.09	7.37	99.57	1503	1503	1971	1877	85.6	85.6	85.6	93.1
114.3	KO-110T	22.47	8.56	97.18	1806	1806	2264	2157	97.4	99.4	92.9	111.6
	KO-80S	17.26	6.35	101.60	943	943	1294	1188	53.6	53.6	53.6	43.8
		20.09	7.37	99.57	1143	1143	1486	1366	62.2	62.2	62.2	58.9
		22.47	8.56	97.18	1370	1370	1708	1570	70.8	72.3	67.6	76.5
	KO-85S	17.26	6.35	101.60	943	970	1334	1263	57.0	57.0	57.0	45.4
		20.09	7.37	99.57	1143	1170	1530	1450	66.1	66.1	66.1	61.5
		22.47	8.56	97.18	1370	1406	1761	1668	75.2	76.8	71.8	80.4
	KO-90S	17.26	6.35	101.60	992	992	1375	1334	60.3	60.3	60.3	47.0
		20.09	7.37	99.57	1201	1201	1579	1535	70.0	70.0	70.0	64.1
		22.47	8.56	97.18	1446	1446	1815	1766	79.7	81.4	76.0	84.3
	KO-95S	17.26	6.35	101.60	1041	1041	1446	1410	63.7	63.7	63.7	48.5
		20.09	7.37	99.57	1263	1263	1664	1619	73.8	73.8	73.8	66.6
		22.47	8.56	97.18	1517	1517	1908	1864	84.1	85.8	80.2	87.9
	KO-110S	17.26	6.35	101.60	1192	1241	1713	1632	73.7	73.7	73.7	52.3
		20.09	7.37	99.57	1441	1503	1971	1877	85.6	85.6	85.6	73.6
		22.47	8.56	97.18	1730	1806	2264	2157	97.4	99.4	92.9	98.7
	KO-85SS	17.26	6.35	101.60	943	970	1334	1263	57.0	57.0	57.0	45.4
		20.09	7.37	99.57	1143	1170	1530	1450	66.1	66.1	66.1	61.5
		22.47	8.56	97.18	1370	1406	1761	1668	75.2	76.8	71.8	80.4
	KO-90SS	17.26	6.35	101.60	992	992	1375	1334	60.3	60.3	60.3	47.0
114.3	KO-90SS	20.09	7.37	99.57	1201	1201	1579	1535	70.0	70.0	70.0	64.1
		22.47	8.56	97.18	1446	1446	1815	1766	79.7	81.4	76.0	84.3
	KO-95SS	17.26	6.35	101.60	1040	1041	1446	1410	63.7	63.7	63.7	48.5
		20.09	7.37	99.57	1263	1263	1664	1619	73.8	73.8	73.8	66.6
		22.47	8.56	97.18	1517	1517	1908	1864	84.1	85.8	80.2	87.9
	KO-110SS	17.26	6.35	101.60	1192	1241	1713	1632	73.7	73.7	73.7	52.3
		20.09	7.37	99.57	1441	1503	1971	1877	85.6	85.6	85.6	73.6
		22.47	8.56	97.18	1730	1806	2264	2157	97.4	99.4	92.9	98.7
	KO-80L	17.26	6.35	101.60	943	943	1294	1188	53.6	53.6	53.6	43.8
		20.09	7.37	99.57	1143	1143	1486	1366	62.2	62.2	62.2	58.9
		22.47	8.56	97.18	1370	1370	1708	1570	70.8	72.3	67.6	76.5
	KO-95L	17.26	6.35	101.60	1090	1090	1503	1410	63.7	63.7	63.7	48.5
		20.09	7.37	99.57	1321	1321	1726	1619	73.8	73.8	73.8	66.6
		22.47	8.56	97.18	1588	1588	1984	1864	84.1	85.8	80.2	87.9
	KO-105L	17.26	6.35	101.60	—	1192	1641	1557	70.4	—	70.4	51.0
		20.09	7.37	99.57	—	1441	1890	1793	81.6	—	81.6	71.4
		22.47	8.56	97.18	—	1730	2171	2060	94.9	—	88.7	95.3
	KO-110L	17.26	6.35	101.60	1241	1241	1713	1632	73.7	73.7	73.7	52.3
		20.09	7.37	99.57	1503	1503	1971	1877	85.6	85.6	85.6	73.6

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 MPa	抗挤强度 MPa
		22.47	8.56	97.18	1806	1806	2264	2157	97.4	99.4	92.9	98.7
114.3	KO-125L	17.26	6.35	101.60	1339	1339	1868	1855	83.8	83.8	83.8	55.2
		20.09	7.37	99.57	1624	1624	2144	2131	97.2	97.2	97.2	80.0
		22.47	8.56	97.18	1948	1948	2464	2451	110.7	112.9	105.5	109.2
	KO-125V	17.26	6.35	101.60	1339	1339	1868	1855	83.8	83.8	83.8	55.2
		20.09	7.37	99.57	1624	1624	2144	2131	97.2	97.2	97.2	80.0
		22.47	8.56	97.18	1948	1948	2464	2451	110.7	112.9	105.5	109.2
	KO-140V	17.26	6.35	101.60	1486	1486	2077	2077	93.8	93.8	93.8	57.2
		20.09	7.37	99.57	1802	1802	2384	2389	108.9	108.9	108.9	85.5
		22.47	8.56	97.18	2166	2166	2740	2745	123.6	123.6	118.2	118.7
	KO-150V	17.26	6.35	101.60	1588	1588	2215	2229	100.5	100.5	100.5	58.2
		20.09	7.37	99.57	1922	1922	2549	2558	116.7	116.7	116.7	88.8
		22.47	8.56	97.18	2309	2309	2927	2940	123.6	123.6	119.8	124.9
127.0	KO-70	17.11	5.59	115.82	752	850	1246	1028	37.2	—	37.2	23.3
		19.35	6.43	114.15	952	1028	1423	1174	42.7	—	42.7	33.0
		22.32	7.52	111.96	1165	1259	1650	1361	50.0	—	50.0	45.6
	T-95	22.32	7.52	111.96	1450	1450	1886	1850	67.8	67.8	67.8	55.9
		26.79	9.19	108.61	1850	1850	2277	2229	83.0	83.0	81.2	82.9
		31.85	11.10	104.80	2291	2291	2504	2647	84.0	88.5	81.2	104.5
		34.53	12.14	102.72	2522	2522	2504	2869	84.0	88.5	81.2	113.3
		35.86	12.70	101.60	2589	2647	2504	2989	84.0	88.5	81.2	117.9
127.0	KO-110	22.32	7.52	102.82	—	1726	2237	2140	78.6	—	78.6	61.0
	KO-95T	22.32	7.52	111.96	1495	1521	1962	1850	67.8	67.8	67.8	69.1
		26.79	9.19	108.61	1908	1939	2366	2229	83.0	83.0	81.2	92.7
		31.85	11.10	104.80	2358	2291	2504	2647	84.0	88.5	81.2	119.6
		34.53	12.14	102.72	2602	2522	2504	2869	84.0	88.5	81.2	134.3
		35.86	12.70	101.60	2709	2647	2504	2989	84.0	88.5	81.2	142.2
	KO-95TS	22.32	7.52	111.96	1450	1450	1886	1850	67.8	67.8	67.8	65.5
		26.79	9.19	108.61	—	1850	2277	2229	83.0	—	81.2	83.2
		31.85	11.10	104.80	2291	2291	2509	2647	84.0	88.5	81.2	106.2
		34.53	12.14	102.72	2522	2522	2509	2869	84.0	88.5	81.2	113.8
		35.86	12.70	101.60	2589	2647	2509	2989	88.6	88.5	81.2	117.9
	KO-110T	22.32	7.52	111.96	1721	1726	2237	2140	78.6	78.6	78.6	81.4
		26.79	9.19	108.61	2193	2202	2696	2580	96.1	96.1	94.0	106.9
		31.85	11.10	104.80	2713	2727	2980	3065	97.2	102.5	94.0	133.8
		34.53	12.14	102.72	2989	3003	2980	3323	97.2	102.5	94.0	148.3
		35.86	12.70	101.60	3078	3149	2980	3461	97.2	102.5	94.0	156.1
	KO-80S	22.32	7.52	111.96	1272	1312	1686	1557	57.2	57.2	57.2	50.0
		26.79	9.19	108.61	1619	1664	2033	1877	69.9	69.9	68.3	72.4
		31.85	11.10	104.80	2006	2073	2269	2229	70.7	74.5	68.3	88.0
		34.53	12.14	102.72	2211	2282	2269	2415	70.7	74.5	68.3	95.4
127.0	KO-80S	35.86	12.70	101.60	2318	2393	2269	2513	70.7	74.5	68.3	99.3
	KO-85S	22.32	7.52	111.96	1312	1352	1739	1655	60.7	60.7	60.7	52.0
		26.79	9.19	108.61	1673	1717	2100	1993	74.3	74.3	72.6	75.9
		31.85	11.10	104.80	2073	2131	2331	2366	75.1	79.3	72.6	93.5
		34.53	12.14	102.72	2282	2344	2331	2567	75.1	79.3	72.6	101.4
		35.86	12.70	101.60	2340	2460	2331	2673	75.1	79.3	72.6	105.5
	KO-90S	22.32	7.52	102.82	1383	1383	1797	1753	64.3	64.3	64.3	54.1
		26.79	9.19	108.61	1761	1761	2166	2113	78.6	78.6	76.9	79.5
		31.85	11.10	104.80	2180	2180	2389	2509	79.6	83.9	76.9	99.0
		34.53	12.14	102.72	2402	2402	2389	2718	79.6	83.9	76.9	107.3
		35.86	12.70	101.60	2464	2522	2389	2829	79.6	83.9	76.9	111.7
	KO-95S	22.32	7.52	111.96	1450	1450	1886	1850	67.8	67.8	67.8	55.8
		26.79	9.19	108.61	1850	1850	2277	2229	83.0	83.0	81.2	82.8
		31.85	11.10	104.80	2291	2291	2509	2647	84.0	88.6	81.2	104.5
		34.53	12.14	102.72	2522	2522	2509	2869	84.0	88.6	81.2	113.3
		35.86	12.70	101.60	2589	2647	2509	2989	84.0	88.6	81.2	117.9
	KO-110S	22.32	7.52	111.96	1659	1726	2237	2140	78.6	78.6	78.6	61.0
		26.79	9.19	108.61	2117	2202	2696	2580	96.1	96.1	94.0	92.9

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣		园扣		偏梯扣	
					短扣 KN	长扣 KN	KN		短扣 KN	长扣 KN	MPa	
	[illegible]	31.85	11.10	104.80	2616	2727	2980	3065	97.2	102.6	94.0	121.0
		34.53	12.14	102.72	2882	3003	2980	3323	97.2	102.6	94.0	131.1
	KO-110S	35.86	12.70	101.60	2958	3149	2980	3461	97.2	102.6	94.0	136.5
	KO-85SS	22.32	7.52	111.96	1312	1352	1739	1655	60.7	60.7	60.7	52.0
		26.79	9.19	108.61	1673	1717	2100	1993	74.3	74.3	72.6	75.9
		31.85	11.10	104.80	2072	2131	2331	2366	75.1	79.3	72.6	93.5
		34.53	12.14	102.72	2282	2344	2331	2567	75.1	79.3	72.6	101.4
		35.86	12.70	101.60	2340	2460	2331	2673	75.1	79.3	72.6	105.5
	KO-90SS	22.32	7.52	111.96	1383	1383	1797	1753	64.3	64.3	64.3	54.1
		26.79	9.19	108.61	1761	1761	2166	2113	78.6	78.6	76.9	79.5
		31.85	11.10	104.80	2180	2180	2389	2509	79.6	83.9	76.9	99.0
127.0		34.53	12.14	102.72	2402	2402	2389	2718	79.6	83.9	76.9	107.3
		35.86	12.70	101.60	2464	2522	2389	2829	79.6	83.9	76.9	111.7
	KO-95SS	22.32	7.52	111.96	1450	1450	1886	1850	67.8	67.8	67.8	55.8
		26.79	9.19	108.61	1850	1850	2277	2229	83.0	83.0	81.2	82.8
		31.85	11.10	104.80	2291	2291	2509	2647	84.0	88.6	81.2	104.5
		34.53	12.14	102.72	2522	2522	2509	2869	84.0	88.6	81.2	113.3
		35.86	12.70	101.60	2589	2647	2509	2989	84.0	88.6	81.2	117.9
	KO-110SS	22.32	7.52	111.96	1659	1726	2237	2140	78.6	78.6	78.6	61.0
		26.79	9.19	108.61	2117	2202	2696	2580	96.1	96.1	94.0	92.9
		31.85	11.10	104.80	2616	2727	2980	3065	97.2	102.6	94.0	121.0
		34.53	12.14	102.72	2882	3003	2980	3323	97.2	102.6	94.0	131.1
	KO-110SS	35.86	12.70	101.60	2958	3149	2980	3461	97.2	102.6	94.0	136.5
	KO-80L	22.32	7.52	111.96	1272	1312	1686	1557	57.2	57.2	57.2	50.0
		26.79	9.19	108.61	1619	1673	2033	1877	69.9	69.9	68.3	72.4
		31.85	11.10	104.80	2006	2073	2269	2229	70.7	74.6	68.3	88.0
		34.53	12.14	102.72	2211	2282	2269	2415	70.7	74.6	68.3	95.4
		35.86	12.70	101.60	2318	2393	2269	2513	70.7	74.6	68.3	99.3
	KO-95L	22.32	7.52	111.96	1495	1521	1962	1850	67.8	67.8	67.8	55.8
		26.79	9.19	108.61	1908	1939	2366	2229	83.0	83.0	81.2	82.8
		31.85	11.10	104.80	2358	2398	2629	2647	84.0	88.6	81.2	104.5
127.0		34.53	12.14	102.72	2602	2642	2629	2869	84.0	88.6	81.2	113.3
		35.86	12.70	101.60	2709	2771	2629	2989	84.0	88.6	81.2	117.9
	KO-105L	22.32	7.52	111.96	—	1659	2144	2042	75.0	—	75.0	59.4
		26.79	9.19	108.61	—	2117	2584	2464	91.7	—	89.7	89.6
		31.85	11.10	104.80	—	2616	2865	2927	97.9	—	89.7	115.5
		34.53	12.14	102.72	—	2882	2865	3172	97.9	—	89.7	125.2
		35.86	12.70	101.60	—	3025	2865	3301	97.9	—	89.7	130.3
	KO-110L	22.32	7.52	111.96	1722	1726	2237	2140	78.6	78.6	78.6	61.0
		26.79	9.19	108.61	2193	2202	2696	2580	96.1	96.1	94.0	92.9
		31.85	11.10	104.80	2713	2727	2980	3065	97.2	102.6	94.0	121.0
	KO-125L	22.32	7.52	111.96	1868	1868	2438	2433	89.3	89.3	89.3	65.4
	KO-125L	26.79	9.19	108.61	2380	2380	2940	2931	109.2	109.2	106.8	102.2
		31.85	11.10	104.80	2945	2945	3221	3483	110.3	110.3	106.8	137.5
	KO-125V	22.32	7.52	111.96	1868	1868	2438	2433	89.3	89.3	89.3	65.4
		26.79	9.19	108.61	2380	2380	2940	2931	109.2	109.2	106.8	102.2
		31.85	11.10	104.80	2945	2945	3221	3483	110.3	110.3	106.8	137.5
127.0	KO-140V	22.32	7.52	111.96	2073	2073	2713	2722	100.0	100.0	100.0	68.8
		26.79	9.19	108.61	2642	2642	3269	3283	110.3	110.3	119.6	110.8
		31.85	11.10	104.80	3269	3269	3581	3901	110.3	110.3	119.6	154.0
	KO-150V	22.32	7.52	111.96	2211	2211	2896	2918	107.1	107.1	107.1	70.7
		26.79	9.19	108.61	2820	2820	3492	3519	110.3	110.3	128.2	116.2
		31.85	11.10	104.80	3492	3492	3821	4181	110.3	110.3	128.2	165.0
	KO-70	35.72	7.62	178.44	1592	1748	2504	2148	33.2	—	33.2	18.2
		39.29	8.33	177.01	1784	1957	2727	2340	36.3	—	36.3	21.9
	T-95	39.29	8.33	177.01	2273	2491	3185	3176	49.3	49.3	49.3	25.6
		44.20	9.52	174.63	2673	2931	3616	3608	56.4	56.4	56.4	35.4
193.7		50.15	10.92	171.83	3136	3434	4115	4106	64.7	64.7	64.7	50.2
		58.04	12.70	168.28	3710	4066	4737	4728	68.9	68.9	68.9	68.9

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 MPa	抗挤强度 MPa
		63.69	14.27	165.13	4208	4613	5280	5271	81.4	81.4	80.1	85.6
		67.41	15.11	163.45	4471	4897	5565	5551	81.4	81.4	80.2	94.2
		70.09	15.88	161.93	4706	5155	5783	5809	81.4	81.4	80.1	98.6
193.7	KO-110	39.29	8.33	177.01	—	2909	3759	3679	57.1	—	57.1	27.1
		44.20	9.52	174.63	—	3421	4270	4181	65.3	—	65.3	37.0
		50.15	10.92	171.83	—	4008	4862	4755	74.9	—	74.9	54.3
	KO-95T	39.29	8.33	177.01	2304	2527	3292	3176	49.3	49.3	49.3	35.7
		44.20	9.52	174.63	2709	2971	3741	3608	56.4	56.4	56.4	50.3
		50.15	10.92	171.83	3176	3483	4257	4106	64.7	64.7	64.7	64.1
		58.04	12.70	168.28	3759	4119	4897	4728	75.2	75.2	75.2	80.5
		63.69	14.27	165.13	4261	4675	5458	5271	81.4	81.4	80.2	95.1
		67.41	15.11	163.45	4528	4964	5752	5551	81.4	81.4	80.2	102.8
		70.09	15.88	161.93	4769	5227	6018	5809	81.4	81.4	80.2	109.9
	KO-95TS	39.29	8.33	177.01	2273	2491	3185	3176	49.3	49.3	49.3	33.4
		44.20	9.52	174.63	2673	2931	3616	3608	56.4	56.4	56.4	49.3
		50.15	10.92	171.83	3136	3434	4115	4106	64.7	64.7	64.7	60.7
		58.04	12.70	168.28	3710	4066	4737	4728	75.2	75.2	75.2	73.1
		63.69	14.27	165.13	4208	4613	5280	5271	81.4	81.4	80.2	86.2
		67.41	15.11	163.45	4471	4897	5565	5551	81.4	81.4	80.2	94.3
		70.09	15.88	161.93	4706	5155	5787	5809	81.4	81.4	80.2	99.3
	KO-110T	39.29	8.33	177.01	2656	2909	3759	3679	57.1	57.1	57.1	35.4
		44.20	9.52	174.63	3118	3421	4270	4181	65.3	65.3	65.3	50.2
		50.15	10.92	171.83	3656	4008	4862	4755	74.9	74.9	74.9	72.7
193.7	KO-110T	58.04	12.70	168.28	4328	4742	5596	5476	81.4	81.4	87.0	95.1
		63.69	14.27	165.13	4911	5382	6236	6103	81.4	81.4	87.4	109.5
		67.41	15.11	163.45	5213	5716	6570	6428	81.4	81.4	87.4	117.2
		70.09	15.88	161.93	5489	6018	6873	6726	81.4	81.4	87.4	124.2
	KO-80S	39.29	8.33	177.01	1957	2144	2825	2678	41.5	41.5	41.5	23.4
		44.20	9.52	174.63	2300	2518	3207	3038	47.5	47.5	47.5	33.0
		50.15	10.92	171.83	2691	2954	3648	3461	54.5	54.5	54.5	45.2
		58.04	12.70	168.28	3185	3496	4204	3981	63.3	63.3	63.3	60.8
		63.69	14.27	165.13	3616	3968	4684	4439	68.8	71.2	67.5	74.6
		67.41	15.11	163.45	3839	4212	4933	4675	68.8	72.4	67.5	79.4
		70.09	15.88	161.93	4043	4435	5160	4893	68.8	72.4	67.5	83.0
	KO-85S	39.29	8.33	177.01	2042	2246	2922	2842	44.1	44.1	44.1	24.3
		44.20	9.52	174.63	2402	2642	3323	3229	50.5	50.5	50.5	33.9
		50.15	10.92	171.83	2811	2985	3777	3674	57.8	57.8	57.8	47.0
		58.04	12.70	168.28	3327	3670	4355	4230	67.2	67.2	67.2	63.6
		63.69	14.27	165.13	3777	4159	4853	4715	73.1	75.6	71.7	78.3
		67.41	15.11	163.45	4012	4422	5115	4969	73.1	76.9	71.7	84.3
		70.09	15.88	161.93	4221	4653	5351	5196	73.1	76.9	71.7	88.2
	KO-90S	39.29	8.33	177.01	2157	2366	3029	3011	46.7	46.7	46.7	24.9
		44.20	9.52	174.63	2536	2780	3443	3421	53.4	53.4	53.4	34.7
193.7	KO-90S	50.15	10.92	171.83	2971	3261	3914	3892	61.2	61.2	61.2	48.6
		58.04	12.70	168.28	3519	3857	4506	4479	71.2	71.2	71.2	66.3
		63.69	14.27	165.13	3990	4377	5022	4991	77.4	80.0	76.0	82.0
		67.41	15.11	163.45	4239	4648	5280	5262	77.4	81.4	76.0	89.3
		70.09	15.88	161.93	4462	4893	5511	5502	77.4	81.4	76.0	93.4
	KO-95S	39.29	8.33	177.01	2273	2491	3185	3176	49.3	49.3	49.3	25.6
		44.20	9.52	174.63	2673	2931	3616	3608	56.4	56.4	56.4	35.4
		50.15	10.92	171.83	3136	3434	4115	4106	64.7	64.7	64.7	50.2
		58.04	12.70	168.28	3710	4066	4737	4728	75.2	75.2	75.2	68.9
		63.69	14.27	165.13	4208	4613	5280	5271	81.4	81.4	80.2	85.6
		67.41	15.11	163.45	4471	4897	5565	5551	81.4	81.4	80.2	94.3
		70.09	15.88	161.93	4706	5155	5787	5809	81.4	81.4	80.2	98.6
	KO-110S	39.29	8.33	177.01	2625	2909	3759	3679	57.1	57.1	57.1	27.1
		44.20	9.52	174.63	3087	3421	4270	4181	65.3	65.3	65.3	37.0
		50.15	10.92	171.83	3616	4008	4862	4755	74.9	74.9	74.9	54.3
		58.04	12.70	168.28	4279	4742	5596	5476	81.4	81.4	87.0	76.5

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣		园扣		偏梯扣	
					短扣 KN	长扣 KN	KN		短扣 KN	长扣 KN	MPa	
		63.69	14.27	165.13	4853	5382	6236	6103	81.4	81.4	87.4	96.1
		67.41	15.11	163.45	5156	5716	6570	6428	81.4	81.4	87.4	106.4
		70.09	15.88	161.93	5427	6018	6873	6726	81.4	81.4	87.4	114.1
	KO-85SS	39.29	8.33	177.01	2042	2246	2922	2842	44.1	44.1	44.1	24.3
193.7	KO-85SS	44.20	9.52	174.63	2402	2642	3323	3229	50.5	50.5	50.5	33.9
		50.15	10.92	171.83	2811	2985	3777	3674	57.8	57.8	57.8	47.0
		58.04	12.70	168.28	3327	3670	4355	4230	67.2	67.2	67.2	63.6
		63.69	14.27	165.13	3777	4159	4853	4715	73.1	75.6	71.7	78.3
		67.41	15.11	163.45	4012	4422	5115	4969	73.1	76.9	71.7	84.3
		70.09	15.88	161.93	4221	4653	5351	5196	73.1	76.9	71.7	88.2
	KO-90SS	39.29	8.33	177.01	2157	2366	3029	3011	46.7	46.7	46.7	24.9
		44.20	9.52	174.63	2536	2780	3443	3421	53.4	53.4	53.4	34.7
		50.15	10.92	171.83	2971	3261	3914	3892	61.2	61.2	61.2	48.6
		58.04	12.70	168.28	3519	3857	4506	4479	71.2	71.2	71.2	66.3
		63.69	14.27	165.13	3990	3487	5022	4991	77.4	80.0	76.0	82.0
		67.41	15.11	163.45	4239	4648	5280	5262	77.4	81.4	76.0	89.3
		70.09	15.88	161.93	4462	4893	5511	5502	77.4	81.4	76.0	93.4
	KO-95SS	39.29	8.33	177.01	2273	2491	3185	3176	49.3	49.3	49.3	25.6
		44.20	9.52	174.63	2673	2931	3616	3608	56.4	56.4	56.4	35.4
		50.15	10.92	171.83	3136	3434	4115	4106	64.7	64.7	64.7	50.2
		58.04	12.70	168.28	3710	4066	4737	4728	75.2	75.2	75.2	68.9
		63.69	14.27	165.13	4208	4613	5280	5271	81.4	81.4	80.2	85.6
		67.41	15.11	163.45	4471	4897	5565	5551	81.4	81.4	80.2	94.3
		70.09	15.88	161.93	4706	5155	5787	5809	81.4	81.4	80.2	98.6
193.7	KO-110SS	39.29	8.33	177.01	2625	2909	3759	3679	57.1	57.1	57.1	27.1
		44.20	9.52	174.63	3087	3421	4270	4181	65.3	65.3	65.3	37.0
		50.15	10.92	171.83	3616	4008	4862	4755	74.9	74.9	74.9	54.3
		58.04	12.70	168.28	4279	4742	5596	5476	81.4	81.4	87.0	76.5
		63.69	14.27	165.13	4853	5382	6236	6103	81.4	81.4	87.4	96.1
		67.41	15.11	163.45	5156	5716	6570	6428	81.4	81.4	87.4	106.4
		70.09	15.88	161.93	5427	6018	6873	6726	81.4	81.4	87.4	114.1
	KO-80L	39.29	8.33	177.01	1957	2144	2825	2678	41.5	41.5	41.5	23.4
		44.20	9.52	174.63	2300	2518	3207	3038	47.5	47.5	47.5	33.0
		50.15	10.92	171.83	2691	2954	3648	3461	54.5	54.5	54.5	45.2
		58.04	12.70	168.28	3185	3496	4204	3981	63.3	63.3	63.3	60.8
		63.69	14.27	165.13	3616	3968	4684	4439	68.8	71.2	67.5	74.6
		67.41	15.11	163.45	3839	4212	4933	4675	68.8	72.4	67.5	79.4
		70.09	15.88	161.93	4043	4435	5160	4893	68.8	72.4	67.5	83.0
	KO-95L	39.29	8.33	177.01	2304	2527	3292	3176	49.3	49.3	49.3	25.6
		44.20	9.52	174.63	2709	2971	3741	3608	56.4	56.4	56.4	35.4
		50.15	10.92	171.83	3176	3483	4257	4106	64.7	64.7	64.7	50.2
		58.04	12.70	168.28	3759	4119	4897	4728	75.2	75.2	75.2	68.9
		63.69	14.27	165.13	4261	4675	5458	5271	81.4	81.4	80.2	85.6
		67.41	15.11	163.45	4528	4964	5752	5551	81.4	81.4	80.2	94.3
	KO-95L	70.09	15.88	161.93	4769	5227	6018	5809	81.4	81.4	80.2	98.6
193.7	KO-105L	39.29	8.33	177.01	—	2780	3603	3514	54.5	—	54.5	26.6
		44.20	9.52	174.63	—	3269	4092	3990	62.3	—	62.3	36.4
		50.15	10.92	171.83	—	3834	4657	4542	71.4	—	71.4	53.0
		58.04	12.70	168.28	—	4537	5365	5227	81.4	—	83.1	73.9
		63.69	14.27	165.13	—	5147	5978	5823	81.4	—	87.4	92.5
		67.41	15.11	163.45	—	5467	6299	6139	81.4	—	87.4	102.5
		70.09	15.88	161.93	—	5756	6588	6419	81.4	—	87.4	108.9
	KO-110L	39.29	8.33	177.01	2656	2909	3759	3679	57.1	57.1	57.1	27.1
		44.20	9.52	174.63	3118	3421	4270	4181	65.3	65.3	65.3	37.0
		50.15	10.92	171.83	3656	4008	4862	4755	74.9	74.9	74.9	54.3
		58.04	12.70	168.28	4328	4742	5596	5476	81.4	81.4	87.0	76.5
		63.69	14.27	165.13	4911	5382	6236	6103	81.4	81.4	87.4	96.1
		67.41	15.11	163.45	5213	5716	6570	6428	81.4	81.4	87.4	106.4
		70.09	15.88	161.93	5489	6018	6873	6726	81.4	81.4	87.4	114.1

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 MPa	抗挤强度 MPa
		39.29	8.33	177.01	2976	3261	4119	4181	64.9	64.9	64.9	27.9
		44.20	9.52	174.63	3496	3830	4680	4751	74.2	74.2	74.2	39.1
	KO-125L	50.15	10.92	171.83	4097	4488	5325	5405	81.4	81.4	85.1	57.5
		58.04	12.70	168.28	4849	5311	6134	6223	81.4	81.4	87.4	83.2
		63.69	14.27	165.13	5503	6027	6832	6935	81.4	81.4	87.4	105.8
	KO-125L	67.41	15.11	163.45	5845	6405	7233	7308	81.4	81.4	87.4	118.0
		70.09	15.88	161.93	6152	6739	7433	7642	81.4	81.4	87.4	128.9
		39.29	8.33	177.01	2976	3261	4119	4181	64.9	64.9	64.9	27.9
		44.20	9.52	174.63	3496	3830	4680	4751	74.2	74.2	74.2	39.1
	KO-125V	50.15	10.92	171.83	4097	4488	5325	5405	81.4	81.4	85.1	57.5
		58.04	12.70	168.28	4849	5311	6134	6223	81.4	81.4	87.4	83.2
		63.69	14.27	165.13	5503	6027	6832	6935	81.4	81.4	87.4	105.8
		67.41	15.11	163.45	5845	6405	7233	7308	81.4	81.4	87.4	118.0
		70.09	15.88	161.93	6152	6739	7433	7642	81.4	81.4	87.4	128.9
193.7		39.29	8.33	177.01	3323	3643	4591	4684	72.7	72.7	72.7	28.1
		44.20	9.52	174.63	3906	4279	5213	5320	81.4	81.4	83.1	40.9
		50.15	10.92	171.83	4577	5018	5934	6054	81.4	81.4	87.4	59.9
	KO-140V	58.04	12.70	168.28	5418	5938	6832	6970	81.4	81.4	87.4	89.1
		63.69	14.27	165.13	6147	6735	7611	7767	81.4	81.4	87.4	115.0
		67.41	15.11	163.45	6530	7157	8020	8185	81.4	81.4	87.4	128.2
		70.09	15.88	161.93	6877	7531	8265	8558	81.4	81.4	87.4	141.3
		39.29	8.33	177.01	3559	3897	4902	5018	77.8	77.8	77.8	28.1
	KO-150V	44.20	9.52	174.63	4181	4582	5569	5698	81.4	81.4	87.4	41.7
		50.15	10.92	171.83	4902	5369	6334	6486	81.4	81.4	87.4	61.0
		58.04	12.70	168.28	5801	6352	7295	7469	81.4	81.4	87.4	92.7
		63.69	14.27	165.13	6579	7206	8127	8323	81.4	81.4	87.4	120.7
193.7	KO-150V	67.41	15.11	163.45	6988	7655	8567	8767	81.4	81.4	87.4	135.7
		70.09	15.88	161.93	7357	8060	8816	9172	81.4	81.4	87.4	149.3
	KO-70	48.07	7.92	228.63	1917	2206	3212	2842	27.4	—	27.4	11.6
		53.57	8.94	226.59	2224	2562	3608	3194	30.9	—	30.9	15.6
	KO-110	64.74	11.05	222.38	—	4915	6174	6143	60.0	—	60.0	30.5
		69.94	11.99	220.50	—	5396	6672	6641	65.1	—	63.2	36.6
		53.57	8.94	226.59	2487	2860	3901	3648	35.3	35.3	35.3	20.5
	KO-80T	59.53	10.03	224.41	2856	3278	4355	4075	39.6	39.6	39.6	29.2
		64.74	11.05	222.38	3194	3670	4777	4470	43.6	43.6	43.6	35.2
		69.94	11.99	220.50	3501	4026	5164	4831	47.4	47.4	47.4	39.0
244.5	KO-80TT	53.57	8.94	226.59	1882	2175	3358	2509	24.3	—	24.3	20.5
		59.53	10.03	224.41	2162	2495	3750	2802	27.2	—	27.2	29.2
		59.53	10.03	224.41	3323	3817	4920	4840	47.0	47.0	47.0	31.4
		64.74	11.05	222.38	3714	4266	5396	5307	51.8	51.8	51.8	40.7
	KO-95T	69.94	11.99	220.50	4079	4684	5832	5734	56.2	56.2	56.2	50.0
		79.62	13.84	216.79	4782	5494	6681	6570	58.3	58.3	63.2	64.5
		86.91	15.11	214.25	5258	6036	7255	7135	58.3	58.3	63.2	73.8
		90.93	15.88	212.73	5538	6285	7593	7451	58.3	58.3	63.2	79.4
	KO-95TS	59.53	10.03	224.41	3283	3768	4777	4840	47.0	47.0	47.0	29.2
		64.74	11.05	222.38	3674	4217	5240	5307	51.8	51.8	51.8	38.6
	KO-95TS	69.94	11.99	220.50	4030	4626	5663	5734	56.2	56.2	56.2	49.0
		79.62	13.84	216.79	4729	5427	6486	6570	58.3	58.3	63.2	61.0
		86.91	15.11	214.25	5196	5965	7042	7135	58.3	58.3	63.2	68.6
		59.53	10.03	224.41	3830	4395	5631	5605	54.5	54.5	54.5	31.0
		64.74	11.05	222.38	4284	4915	6174	6143	60.0	60.0	60.0	40.3
	KO-110T	69.94	11.99	220.50	4697	5396	6672	6641	65.1	65.1	63.2	49.8
		79.62	13.84	216.79	5511	6325	7642	7606	66.9	66.9	63.2	73.4
		86.91	15.11	214.25	6059	6957	8296	8260	66.9	66.9	63.2	88.5
244.5		90.93	15.88	212.73	6383	7331	8687	8647	66.9	66.9	63.2	94.0
		59.53	10.03	224.41	2816	3234	4212	4075	39.6	39.6	39.6	21.3
		64.74	11.05	222.38	3149	3616	4617	4470	43.6	43.6	43.6	26.3
	KO-80S	69.94	11.99	220.50	3456	3972	4991	4831	47.4	47.4	47.4	32.8
		79.62	13.84	216.79	4052	4657	5720	5534	54.7	54.7	54.7	45.6

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 MPa	抗挤强度 MPa
		86.91	15.11	214.25	4457	5120	6210	6005	58.3	58.3	59.7	54.4
		59.53	10.03	224.41	2945	3394	4373	4333	42.1	42.1	42.1	21.9
		64.74	11.05	222.38	3296	3790	4800	4751	46.3	46.3	46.3	26.8
	KO-85S	69.94	11.99	220.50	3616	4168	5187	5133	50.3	50.3	50.3	33.6
		79.62	13.84	216.79	4239	4893	5943	5876	58.1	58.1	58.1	47.4
		86.91	15.11	214.25	4662	5382	6459	6383	58.3	58.3	63.2	56.7
		59.53	10.03	224.41	3114	3576	4542	4586	44.5	44.5	44.5	22.5
		64.74	11.05	222.38	3483	3999	4978	5026	49.1	49.1	49.1	27.6
	KO-90S	69.94	11.99	220.50	3826	4390	5382	5436	53.2	53.2	53.2	34.5
		79.62	13.84	216.79	4484	5147	6165	6223	58.3	58.3	61.5	49.1
		86.91	15.11	214.25	4929	5658	6695	6757	58.3	58.3	63.2	59.1
		59.53	10.03	224.41	3283	3768	4777	4840	47.0	47.0	47.0	23.0
		64.74	11.05	222.38	3674	4217	5240	5307	51.8	51.8	51.8	28.5
	KO-95S	69.94	11.99	220.50	4030	4626	5663	5734	56.2	56.2	56.2	35.1
		79.62	13.84	216.79	4729	5427	6486	6570	58.3	58.3	63.2	50.6
244.5		86.91	15.11	214.25	5196	5965	7042	7135	58.3	58.3	63.2	61.2
		59.53	10.03	224.41	3790	4395	5631	5605	54.5	54.5	54.5	24.0
		64.74	11.05	222.38	4239	4915	6174	6143	60.0	60.0	60.0	30.5
	KO-110S	69.94	11.99	220.50	4653	5396	6672	6641	65.1	65.1	63.2	36.6
		79.62	13.84	216.79	5454	6325	7642	7606	66.9	66.9	63.2	54.9
		86.91	15.11	214.25	5996	6957	8296	8260	66.9	66.9	63.2	67.2
		59.53	10.03	224.41	2945	3394	4373	4333	42.1	42.1	42.1	21.9
		64.74	11.05	222.38	3296	3790	4800	4751	46.3	46.3	46.3	26.8
	KO-85SS	69.94	11.99	220.50	3616	4168	5187	5133	50.3	50.3	50.3	33.6
		79.62	13.84	216.79	4239	4893	5943	5876	58.1	58.1	58.1	47.4
		86.91	15.11	214.25	4662	5382	6459	6383	58.3	58.3	63.2	56.7
		59.53	10.03	224.41	3114	3576	4542	4586	44.5	44.5	44.5	22.5
		64.74	11.05	222.38	3483	3999	4978	5026	49.1	49.1	49.1	27.6
	KO-90SS	69.94	11.99	220.50	3826	4390	5382	5436	53.2	53.2	53.2	34.5
		79.62	13.84	216.79	4484	5147	6165	6223	58.3	58.3	61.5	49.1
		86.91	15.11	214.25	4929	5658	6695	6757	58.3	58.3	63.2	59.1
		59.53	10.03	224.41	3283	3768	4777	4840	47.0	47.0	47.0	23.0
		64.74	11.05	222.38	3674	4217	5240	5307	51.8	51.8	51.8	28.5
	KO-95SS	69.94	11.99	220.50	4030	4626	5663	5734	56.2	56.2	56.2	35.1
		79.62	13.84	216.79	4729	5427	6486	6570	58.3	58.3	63.2	50.6
244.5		86.91	15.11	214.25	5196	5965	7042	7135	58.3	58.3	63.2	61.2
		59.53	10.03	224.41	3790	4395	5631	5605	54.5	54.5	54.5	24.0
		64.74	11.05	222.38	4239	4915	6174	6143	60.0	60.0	60.0	30.5
	KO-110SS	69.94	11.99	220.50	4653	5396	6672	6641	65.1	65.1	63.2	36.6
		79.62	13.84	216.79	5454	6325	7642	7606	66.9	66.9	63.2	54.9
		86.91	15.11	214.25	5996	6957	8296	8260	66.9	66.9	63.2	67.2
		59.53	10.03	224.41	2816	3234	4212	4075	39.6	39.6	39.6	21.3
		64.74	11.05	222.38	3149	3616	4617	4470	43.6	43.6	43.6	26.3
	KO-80L	69.94	11.99	220.50	3456	3972	4991	4831	47.4	47.4	47.4	32.8
		79.62	13.84	216.79	4052	4657	5720	5534	54.7	54.7	54.7	45.6
		86.91	15.11	214.25	4457	5120	6210	6005	58.3	58.3	59.7	54.4
		59.53	10.03	224.41	3323	3817	4920	4840	47.0	47.0	47.0	23.0
		64.74	11.05	222.38	3914	4266	5396	5307	51.8	51.8	51.8	28.5
	KO-95L	69.94	11.99	220.50	4079	4684	5832	5734	56.2	56.2	56.2	35.1
		79.62	13.84	216.79	4782	5494	6681	6570	58.3	58.3	63.2	50.6
		86.91	15.11	214.25	5258	6036	7255	7135	58.3	58.3	63.2	61.2
		59.53	10.03	224.41	—	4204	5396	5351	52.0	—	52.0	23.6
		64.74	11.05	222.38	—	4702	5916	5867	57.2	—	57.2	29.9
	KO-105L	69.94	11.99	220.50	—	5160	6392	6339	62.1	—	62.1	36.1
		79.62	13.84	216.79	—	6050	7322	7259	58.3	—	63.2	53.4
244.5		86.91	15.11	214.25	—	6650	7949	7882	58.3	—	63.2	65.4
		59.53	10.03	224.41	3830	4395	5631	5605	54.5	54.5	54.5	24.0
		64.74	11.05	222.38	4284	4915	6174	6143	60.0	60.0	60.0	30.5
	KO-110L	69.94	11.99	220.50	4697	5396	6672	6641	65.1	65.1	63.2	36.6

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 MPa	抗挤强度 MPa
		79.62	13.84	216.79	5511	6325	7642	7606	66.9	66.9	63.2	54.9
		86.91	15.11	214.25	6059	6957	8296	8260	66.9	66.9	63.2	67.2
		59.53	10.03	224.41	4297	4929	6196	6370	61.9	61.9	61.9	24.3
		64.74	11.05	222.38	4809	5516	6792	6984	66.9	66.9	63.2	31.9
	KO-125L	69.94	11.99	220.50	5276	6054	7340	7549	66.9	66.9	63.2	38.8
		79.62	13.84	216.79	6183	7095	8407	8643	66.9	66.9	63.2	58.2
		86.91	15.11	214.25	6801	7998	9332	9386	66.9	66.9	63.2	72.7
		59.53	10.03	224.41	4297	4929	6196	6370	61.9	61.9	61.9	24.3
		64.74	11.05	222.38	4809	5516	6792	6984	66.9	66.9	63.2	31.9
	KO-125V	69.94	11.99	220.50	5276	6054	7340	7549	66.9	66.9	63.2	38.8
		79.62	13.84	216.79	6183	7095	8407	8643	66.9	66.9	63.2	58.2
		86.91	15.11	214.25	6801	7998	9332	9386	66.9	66.9	63.2	72.7
		59.53	10.03	224.41	4804	5511	6904	7135	66.9	66.9	63.2	24.3
		64.74	11.05	222.38	5374	6165	7571	7820	66.9	66.9	63.2	32.6
244.5	KO-140V	69.94	11.99	220.50	5894	6766	8180	8452	66.9	66.9	63.2	40.6
		79.62	13.84	216.79	6913	7931	9372	9684	66.9	66.9	63.2	60.6
		86.91	15.11	214.25	7602	8723	10173	10511	66.9	66.9	63.2	76.7
		59.53	10.03	224.41	5142	5898	7375	7642	66.9	66.9	63.2	24.3
		64.74	11.05	222.38	5751	6597	8087	8380	66.9	66.9	63.2	32.8
	KO-150V	69.94	11.99	220.50	6312	7242	8741	9057	66.9	66.9	63.2	41.4
		79.62	13.84	216.79	7402	8492	10013	10373	66.9	66.9	63.2	61.8
		86.91	15.11	214.25	8136	9332	10871	11263	66.9	66.9	63.2	79.8
	N-80	93.46	15.88	219.08	4826	4293	5449	6463	58.3	58.3	60.9	56.9
	L-80	93.46	15.88	219.08	4760	4235	5271	6463	58.3	58.3	60.9	56.9
250.8	C-95	93.46	15.88	219.08	5556	4933	5978	7673	58.3	58.3	63.2	64.2
	T-95	93.46	15.88	219.08	5556	4933	5978	7673	58.3	58.3	63.2	64.2
	P-110	93.46	15.88	219.08	6477	5756	7046	8888	66.7	66.7	63.2	70.7
	KO-95T	93.46	15.88	219.08	5618	4995	6161	7673	58.3	58.3	63.2	76.4
	KO-95TS	93.46	15.88	219.08	5556	4933	5978	7673	58.3	58.3	63.2	64.2
	KO-110T	93.46	15.88	219.08	6477	5756	7046	8888	66.9	66.9	63.2	91.1
	KO-80S	93.46	15.88	219.08	4760	4235	5271	6463	58.3	58.3	60.9	56.9
	KO-85S	93.46	15.88	219.08	4982	4453	5476	6868	58.3	58.3	63.2	59.4
	KO-90S	93.46	15.88	219.08	5267	4671	5685	7273	58.3	58.3	63.2	61.9
	KO-95S	93.46	15.88	219.08	5556	4933	5978	7673	58.3	58.3	63.2	64.2
	KO-110S	93.46	15.88	219.08	6410	5756	7046	8888	66.9	66.9	63.2	70.7
	KO-85SS	93.46	15.88	219.08	4982	4453	5476	6868	58.3	58.3	63.2	59.4
250.8	KO-90SS	93.46	15.88	219.08	5267	4671	5685	7273	58.3	58.3	63.2	61.9
	KO-95SS	93.46	15.88	219.08	5556	4933	5978	7673	58.3	58.3	63.2	64.2
	KO-110SS	93.46	15.88	219.08	6410	5756	7046	8888	66.9	66.9	63.2	70.7
	KO-80L	93.46	15.88	219.08	4760	4235	5271	6463	58.3	58.3	60.9	56.9
	KO-95L	93.46	15.88	219.08	5618	4995	6161	7673	58.3	58.3	63.2	64.2
	KO-105L	93.46	15.88	219.08	—	5382	6392	8483	58.3	—	63.2	68.7
	KO-110L	93.46	15.88	219.08	6477	5756	7046	8888	66.9	66.9	63.2	70.7
	KO-125L	93.46	15.88	219.08	7268	6454	7753	10097	66.9	66.9	63.2	76.9
	KO-125V	93.46	15.88	219.08	7268	6454	7753	10097	66.9	66.9	63.2	76.9
	KO-140V	93.46	15.88	219.08	8127	7228	8638	11312	66.9	66.9	63.2	81.8
	KO-150V	93.46	15.88	219.08	8696	7722	9230	12117	66.9	66.9	63.2	84.9
	KO-110	75.90	11.43	250.19	4804	—	7090	7126	54.4	—	51.4	25.2
		82.59	12.57	247.90	5351	—	7762	7802	54.4	—	51.4	31.8
	KO-80T	60.27	8.89	255.27	2656	3025	4288	4070	31.4	31.4	31.4	14.5
		67.71	10.16	252.73	3118	3554	4875	4626	35.9	35.9	35.9	21.6
		75.90	11.43	250.19	3576	4075	5462	5182	40.4	40.4	40.4	30.5
		82.59	12.57	247.80	3981	4537	5983	5676	44.5	44.5	44.5	36.0
	KO-80TT	75.90	11.43	250.19	2696	3083	4639	3563	27.8	—	27.8	30.5
		82.59	12.57	247.90	3003	—	5080	3901	30.5	—	30.5	36.0
		75.90	11.43	250.19	4168	4475	6192	6152	47.4	48.0	48.0	33.2
	KO-95T	82.59	12.57	247.90	4639	5280	6779	6739	47.4	52.8	51.4	42.7
273.1		90.33	13.84	245.36	5164	5876	7429	7384	47.4	58.1	51.4	54.0
		97.77	15.11	242.82	5680	6463	8069	8020	47.4	58.3	51.4	62.2

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣 KN		园扣		偏梯扣 MPa	
					短扣 KN	长扣 KN			短扣 KN	长扣 KN		
	KO-95TS	75.90	11.43	250.19	4124	4688	6023	6152	47.4	48.0	48.0	30.8
		82.59	12.57	247.90	4591	5222	6597	6739	47.4	52.8	51.4	40.8
		90.33	13.84	245.36	5107	5809	7228	7384	47.4	58.1	51.4	52.1
		97.77	15.11	242.82	5618	6392	7851	8020	47.4	58.3	51.4	59.6
	KO-110T	75.90	11.43	250.19	4804	5467	7090	7126	54.4	55.6	51.4	32.8
		82.59	12.57	247.90	5351	6090	7762	7802	54.4	61.1	51.4	42.4
		90.33	13.84	245.36	5952	6775	8505	8549	54.4	66.7	51.4	55.0
		97.77	15.11	242.82	6548	7451	9212	9288	54.4	66.7	51.4	69.4
	KO-80S	75.90	11.43	250.19	3532	4017	5293	5182	40.4	40.4	40.4	22.2
		82.59	12.57	247.90	3932	4475	5796	5676	44.5	44.5	44.5	27.7
		90.33	13.84	245.36	4373	4982	6352	6219	47.4	49.0	49.0	35.6
		97.77	15.11	242.82	4813	5480	6899	6757	47.4	53.4	51.4	43.4
	KO-85S	75.90	11.43	250.19	3710	4208	5511	5507	43.0	43.0	43.0	22.9
		82.59	12.57	247.90	4137	4684	6032	6032	47.2	47.2	47.2	28.2
		90.33	13.84	245.36	4604	5213	6606	6606	47.4	52.0	51.4	36.6
		97.77	15.11	242.82	5053	5734	7179	7179	47.4	56.7	51.4	45.0
273.1	KO-90S	75.90	11.43	250.19	3910	4448	5725	5832	45.4	45.4	45.4	23.4
		82.59	12.57	247.90	4355	4955	6268	6383	47.4	50.0	50.0	28.7
		90.33	13.84	245.36	4844	5511	6868	6997	47.4	55.0	51.4	37.6
		97.77	15.11	242.82	5329	6063	7460	7598	47.4	58.3	51.4	46.6
	KO-95S	75.90	11.43	250.19	4124	4688	6023	6152	47.4	48.0	48.0	24.1
		82.59	12.57	247.90	4591	5222	6597	6739	47.4	52.8	51.4	29.6
		90.33	13.84	245.36	5107	5809	7228	7384	47.4	58.1	51.4	38.5
		97.77	15.11	242.82	5618	6392	7851	8020	47.4	58.3	51.4	48.0
	KO-110S	75.90	11.43	250.19	4804	5413	7090	7126	54.4	55.6	51.4	25.2
		82.59	12.57	247.90	5351	6027	7762	7802	54.4	61.1	51.4	31.8
		90.33	13.84	245.36	5952	6708	8505	8549	54.4	66.7	51.4	40.6
		97.77	15.11	242.82	6548	7380	9239	9288	54.4	66.7	51.4	51.8
	KO-85SS	75.90	11.43	250.19	3710	4208	5511	5507	43.0	43.0	43.0	22.9
		82.59	12.57	247.90	4137	4684	6032	6032	47.2	47.2	47.2	28.2
		90.33	13.84	245.36	4604	5213	6606	6606	47.4	52.0	51.4	36.6
		97.77	15.11	242.82	5053	5734	7179	7179	47.4	56.7	51.4	45.0
	KO-90SS	75.90	11.43	250.19	3910	3305	5725	5832	45.4	45.4	45.4	23.4
		82.59	12.57	247.90	4355	4955	6268	6383	47.4	50.0	50.0	28.7
		90.33	13.84	245.36	4844	5511	6868	6997	47.4	55.0	51.4	37.6
		97.77	15.11	242.82	5329	6063	7460	7598	47.4	58.3	51.4	46.6
273.1	KO-95SS	75.90	11.43	250.19	4124	4688	6023	6152	47.4	48.0	48.0	24.1
		82.59	12.57	247.90	4591	5222	6597	6739	47.4	52.8	51.4	29.6
		90.33	13.84	245.36	5107	5809	7228	7384	47.4	58.1	51.4	38.5
		97.77	15.11	242.82	5618	6392	7851	8020	47.4	58.3	51.4	48.0
	KO-110SS	75.90	11.43	250.19	4804	5413	7090	7126	54.4	55.6	51.4	25.2
		82.59	12.57	247.90	5351	6027	7762	7802	54.4	61.1	51.4	31.8
		90.33	13.84	245.36	5952	6708	8505	8549	54.4	66.7	51.4	40.6
		97.77	15.11	242.82	6548	7380	9239	9288	54.4	66.7	51.4	51.8
	KO-80L	75.90	11.43	250.19	3532	4017	5293	5182	40.4	40.4	40.4	22.2
		82.59	12.57	247.90	3932	4475	5796	5676	44.5	44.5	44.5	27.7
		90.33	13.84	245.36	4373	4982	6352	6219	47.4	49.0	49.0	35.6
		97.77	15.11	242.82	4813	5480	6899	6757	47.4	53.4	51.4	43.4
	KO-95L	75.90	11.43	250.19	4168	4742	6192	6152	47.4	48.0	48.0	24.1
		82.59	12.57	247.90	4639	5280	6779	6739	47.4	52.8	51.4	29.6
		90.33	13.84	245.36	5164	5876	7429	7384	47.4	58.1	51.4	38.5
		97.77	15.11	242.82	5680	6463	8069	8020	47.4	58.3	51.4	48.0
	KO-105L	75.90	11.43	250.19	4591	—	6788	6801	47.4	—	51.4	24.9
		82.59	12.57	247.90	5115	—	7437	7446	47.4	—	51.4	31.1
		90.33	13.84	245.36	5689	—	8145	8162	47.4	—	51.4	39.9
		97.77	15.11	242.82	6259	—	8852	8865	47.4	—	51.4	50.5
	KO-110L	75.90	11.43	250.19	4804	5467	7090	7126	54.4	55.6	51.4	25.2
273.1		82.59	12.57	247.90	5351	6090	7762	7802	54.4	61.1	51.4	31.8
		90.33	13.84	245.36	5952	6775	8505	8549	54.4	66.7	51.4	40.6

川崎(KO)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压			抗挤强度 MPa
					园扣		偏梯扣		园扣		偏梯扣	
					短扣 KN	长扣 KN	KN		短扣 KN	长扣 KN	MPa	
		97.77	15.11	242.82	6548	7451	9239	9288	54.4	66.7	51.4	51.8
	KO-125L	75.90	11.43	250.19	5396	6134	7820	8096	54.4	63.2	51.4	25.8
		82.59	12.57	247.90	6010	6832	8563	8865	54.4	66.7	51.4	33.4
		90.33	13.84	245.36	6686	7602	9381	9715	54.4	66.7	51.4	41.9
		97.77	15.11	242.82	7353	8363	10191	10556	54.4	66.7	51.4	54.6
	KO-125V	75.90	11.43	250.19	5396	6134	7820	8096	54.4	63.2	51.4	25.8
		82.59	12.57	247.90	6010	6832	8563	8865	54.4	66.7	51.4	33.4
		90.33	13.84	245.36	6686	7602	9381	9715	54.4	66.7	51.4	41.9
		97.77	15.11	242.82	7353	8363	10191	10556	54.4	66.7	51.4	54.6
273.1	KO-140V	75.90	11.43	250.19	6032	6859	8714	9070	54.4	66.7	51.4	25.9
		82.59	12.57	247.90	6717	7638	9546	9933	54.4	66.7	51.4	34.4
		90.33	13.84	245.36	7473	8501	10458	10880	54.4	66.7	51.4	44.0
		97.77	15.11	242.82	8220	9350	10026	11823	54.4	66.7	51.4	56.5
	KO-150V	75.90	11.43	250.19	6454	7340	9315	9715	54.4	66.7	51.4	25.9
		82.59	12.57	247.90	7193	8176	10200	10640	54.4	66.7	51.4	34.7
		90.33	13.84	245.36	7998	9097	11178	11659	54.4	66.7	51.4	45.1
		97.77	15.11	242.82	8799	10009	12144	12664	54.4	66.7	51.4	57.4

注：Φ139.7mm和Φ177.8mm套管强度数据在川崎(KO)API园螺纹中查找

国产天钢TP-T及TP-TT套管抗挤毁强度数据

外径 mm	单重 kg/m	壁厚 mm	TP80T MPa	TP95T MPa	TP110T MPa	TP95TT MPa	TP110TT MPa
139.7	25.30	7.72	54.4	62.0	70.3	67.2	74.1
	29.76	9.17	71.0	80.0	95.8	85.5	97.6
	34.23	10.54	85.0	100.0	113.1	103.1	119.6
	38.69	12.09	—	120.0	126.9	122.7	144.8
	42.26	13.46	—	132.0	140.0	140.0	167.2
177.8	34.23	8.05	38.0	39.0	39.3	41.7	43.8
	38.69	9.19	49.0	54.0	57.2	58.3	61.7
	43.16	10.36	59.0	67.0	79.3	72.4	80.7
	47.62	11.51	69.0	78.0	93.8	83.8	95.5
	52.09	12.65	78.0	90.0	108.9	95.1	110.0
	56.55	13.72	88.0	104.0	116.5	105.8	123.8
244.5	59.53	10.03	29.0	29.0	29.6	33.1	33.1
	64.74	11.05	38.0	39.0	38.6	41.4	43.8
	69.94	11.99	44.0	49.0	49.0	51.0	53.8
	79.62	13.84	56.0	64.0	74.5	68.9	77.2
	86.91	15.11	—	73.0	88.3	78.6	88.9
	90.93	15.88	—	79.0	94.5	84.1	95.8

国产天钢套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压(工厂检验)		抗挤强度 MPa
					圆扣		偏梯扣 KN		圆扣 MPa	偏梯扣 MPa	
					短扣 KN	长扣 KN					
139.7	J-55	20.83	6.20	127.30	765	—	—	988	20.7	—	21.5
		23.07	6.99	125.73	899	965	1334	1103	20.7	20.7	27.9
		25.30	7.72	124.26	1019	1099	1463	1214	20.7	20.7	33.9
	K-55	20.83	6.20	127.30	841	—	—	988	20.7	—	21.5
		23.07	6.99	125.73	988	1063	1628	1103	20.7	20.7	27.9
		25.30	7.72	124.26	1121	1210	1788	1214	20.7	20.7	33.9
	N-80	25.30	7.72	124.26	—	1548	1984	1766	49.0	49.0	43.3
		29.76	9.17	121.36	—	1904	2331	2073	54.5	49.6	60.9
		34.23	10.54	118.62	—	2233	2576	2358	54.5	49.6	76.9
	L-80	25.30	7.72	124.26	—	1503	1904	1766	49.0	49.0	43.3
		29.76	9.17	121.36	—	1850	2237	2073	54.5	49.6	60.9
		34.23	10.54	118.62	—	2175	2447	2358	54.5	49.6	76.9
	C-75	25.30	7.72	124.26	—	1455	1882	1655	45.5	45.5	41.6
		29.76	9.17	121.36	—	1793	2211	1944	51.0	46.2	58.0
		34.23	10.54	118.62	—	2104	2447	2211	51.0	46.2	72.2
	C-90	25.30	7.72	124.26	—	1584	2028	1988	55.2	55.2	46.5
		29.76	9.17	121.36	—	1948	2384	2335	61.4	55.8	66.4
		34.23	10.54	118.62	—	2286	2580	2656	61.4	55.8	85.4
	C-95	25.30	7.72	124.26	—	1664	2135	2095	57.9	57.9	47.8
		29.76	9.17	121.36	—	2046	2504	2464	64.8	58.6	69.0
139.7	C-95	34.23	10.54	118.62	—	2402	2705	2802	64.8	58.6	89.2
	P-110	25.30	7.72	124.26	—	1979	2527	2429	66.9	66.9	51.6
		29.76	9.17	121.36	—	2438	2967	2851	68.9	68.3	76.5
		34.23	10.54	118.62	—	2860	3221	3243	68.9	68.3	100.2
	Q-125	34.23	10.54	118.62	—	3087	3479	3688	68.9	68.9	110.8
177.8	J-55	25.30	5.87	166.07	1041	—	—	1406	20.7	—	15.7
		34.23	8.05	161.70	1263	1392	1922	1628	20.7	20.7	22.5
		38.69	9.19	159.41	1486	1632	2180	1846	20.7	20.7	29.8
	K-55	25.30	5.87	166.07	1130	—	—	1406	20.7	—	15.7
		34.23	8.05	161.70	1375	1517	2322	1628	20.7	20.7	22.5
		38.69	9.19	159.41	1619	1784	2633	1846	20.7	20.7	29.8
	C-75	34.23	8.05	161.70	—	1850	2478	2220	37.2	37.2	25.9
		38.69	9.19	159.41	—	2175	2807	2518	42.7	42.7	36.0
		43.16	10.36	157.07	—	2500	3145	2820	47.6	43.4	46.4
		47.62	11.51	154.79	—	2816	3465	3109	47.6	43.4	56.5
		52.09	12.65	152.50	—	3127	3705	3394	47.6	43.4	66.7
		56.55	13.72	150.37	—	3412	3705	3656	47.6	43.4	73.6
	L-80	34.23	8.05	161.70	—	1935	2513	2366	40.0	40.0	26.4
		38.69	9.19	159.41	—	2273	2851	2687	45.5	45.5	37.3
		43.16	10.36	157.07	—	2611	3194	3007	51.0	46.9	48.4
177.8	L-80	47.62	11.51	154.79	—	2940	3519	3314	51.0	46.9	59.4
		52.09	12.65	152.50	—	3265	3705	3621	51.0	46.9	70.2
		56.55	13.72	150.37	—	3563	3705	3901	51.0	46.9	78.5
	N-80	34.23	8.05	161.70	—	1966	2616	2366	40.0	40.0	26.4
		38.69	9.19	159.41	—	2309	2967	2687	45.5	45.5	37.3
		43.16	10.36	157.07	—	2656	3318	3007	51.0	46.9	48.4
		47.62	11.51	154.79	—	2989	3661	3314	51.0	46.9	59.4
		52.09	12.65	152.50	—	3318	3897	3621	51.0	46.9	70.2
		56.55	13.72	150.37	—	3621	3892	3901	51.0	46.9	78.5
	C-90	34.23	8.05	161.70	—	2131	2691	2664	44.8	44.8	27.8
		38.69	9.19	159.41	—	2504	3056	3020	51.0	51.0	39.6
		43.16	10.36	157.07	—	2882	3416	3381	57.2	52.4	52.3
		47.62	11.51	154.79	—	3243	3768	3732	57.2	52.4	64.7
		52.09	12.65	152.50	—	3599	3897	4070	57.2	52.4	77.0
		56.55	13.72	150.37	—	3928	3897	4386	57.2	52.4	88.4
	C-95	34.23	8.05	161.70	—	2246	2829	2811	47.6	47.6	28.5
		38.69	9.19	159.41	—	2638	3212	3189	54.5	54.5	40.5
		43.16	10.36	157.07	—	3038	3594	3572	60.7	55.2	54.0
		47.62	11.51	154.79	—	3416	3963	3937	60.7	55.2	67.2

国产天钢套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压(工厂检验) 园扣 MPa	偏梯扣 MPa	抗挤强度 MPa
		52.09	12.65	152.50	—	3794	4092	4297	60.7	55.2	80.3
177.8	C-95	56.55	13.72	150.37	—	4141	4092	4631	60.7	55.2	92.7
	Q-125	52.09	12.65	152.50	—	4920	5262	5658	65.5	68.9	98.7
		56.55	13.72	150.37	—	5369	5262	6094	65.5	68.9	115.5
244.5	J-55	53.57	8.94	226.59	1753	2015	2842	2509	20.7	20.7	13.9
		59.53	10.03	224.41	2011	2313	3176	2802	20.7	20.7	17.7
	K-55	53.57	8.94	226.59	1882	2175	3358	2509	20.7	20.7	13.9
		59.53	10.03	224.41	2162	2495	3710	2802	20.7	20.7	17.7
	C-75	59.53	10.03	224.41	—	3087	4119	3821	33.8	33.8	20.6
		64.74	11.05	222.38	—	3452	4519	4190	37.2	37.2	25.7
		69.94	11.99	220.50	—	3790	4884	4528	40.7	40.7	31.8
		79.62	13.84	216.79	—	4444	5591	5187	46.9	45.5	43.8
	L-80	59.53	10.03	224.41	—	3234	4212	4075	36.5	36.5	21.3
		64.74	11.05	222.38	—	3616	4617	4470	40.0	40.0	26.3
		69.94	11.99	220.50	—	3972	4991	4831	43.4	43.4	32.8
		79.62	13.84	216.79	—	4657	5720	5534	49.6	49.0	45.6
	N-80	59.53	10.03	224.41	—	3278	4355	4075	36.5	36.5	21.3
		64.74	11.05	222.38	—	3670	4777	4470	40.0	40.0	26.3
		69.94	11.99	220.50	—	4026	5164	4831	43.4	43.4	32.8
		79.62	13.84	216.79	—	4724	5912	5534	49.6	49.0	45.6
	C-90	59.53	10.03	224.41	—	3576	4542	4586	40.7	40.7	22.4
244.5	C-90	64.74	11.05	222.38	—	3999	4978	5026	44.8	44.8	27.6
		69.94	11.99	220.50	—	4390	5382	5431	49.0	49.0	34.5
		79.62	13.84	216.79	—	5147	6165	6223	56.5	54.5	49.1
	C-95	59.53	10.03	224.41	—	3768	4777	4840	42.7	42.7	22.9
		64.74	11.05	222.38	—	4217	5240	5307	47.6	47.6	28.4
		69.94	11.99	220.50	—	4626	5663	5734	51.7	51.7	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.6	57.9	50.6
	Q-125	69.94	11.99	220.50	—	6050	7340	7549	66.9	63.4	38.9
		79.62	13.84	216.79	—	7095	8407	8643	66.9	63.4	58.2

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
114.3	C-90	22.47	8.56	97.18	—	1446	1815	1766	81.3	76.0	84.3
		24.70	9.52	95.25	—	1632	1908	1944	82.7	76.0	94.8
		28.42	11.10	92.10	—	1939	1908	2233	82.7	76.0	108.8
	C-95	22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
		24.70	9.52	95.25	—	1717	2002	2055	87.2	80.2	100.0
		28.42	11.10	92.10	—	2037	2002	2358	87.2	80.2	114.9
	T-95	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
		24.70	9.52	95.25	—	1717	2002	2055	87.2	80.2	100.0
		28.42	11.10	92.10	—	2037	2002	2358	87.2	80.2	114.9
	P-110	24.70	9.52	95.25	—	2042	2384	2380	101.0	92.9	115.9
		28.42	11.10	92.10	—	2424	2384	2731	101.0	92.9	133.0
	Q-125	20.09	7.37	99.57	—	1624	2144	2131	97.2	97.2	80.0
		24.70	9.52	95.25	—	2206	2576	2700	114.8	105.6	131.7
		28.42	11.10	92.10	—	2616	2576	3100	114.8	105.6	151.1
	V-150	22.47	8.56	97.18	—	2309	2927	2940	123.6	119.8	124.9
		24.70	9.52	95.25	—	2616	3051	3243	123.6	119.8	154.0
		28.42	11.10	92.10	—	3100	3051	3723	123.6	119.8	181.3
	USS SC-90	17.26	6.35	101.60	—	1041	1432	1334	60.3	60.3	47.0
114.3	USS SC-90	20.09	7.37	99.57	—	1263	1646	1535	70.0	70.0	64.1
		22.47	8.56	97.18	—	1517	1890	1766	81.3	76.0	84.3
		24.70	9.52	95.25	—	1717	2002	1944	82.7	76.0	94.8
		28.42	11.10	92.10	—	2037	2002	2233	82.7	76.0	108.8
	USS C-90	17.26	6.35	101.60	—	992	1375	1334	60.3	60.3	47.0
		20.09	7.37	99.57	—	1201	1579	1535	70.0	70.0	64.1
		22.47	8.56	97.18	—	1446	1815	1766	81.3	76.0	84.3
		24.70	9.52	95.25	—	1632	1908	1944	82.7	76.0	94.8
		28.42	11.10	92.10	—	1939	1908	2233	82.7	76.0	108.8
	USS C-95	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
		24.70	9.52	95.25	—	1717	2002	2055	87.2	80.2	100.0
		28.42	11.10	92.10	—	2037	2002	2358	87.2	80.2	114.9
	USS-95	17.26	6.35	101.60	—	1228	1677	1410	63.7	63.7	65.6
		20.09	7.37	99.57	—	1486	1926	1619	73.8	73.8	78.1
		22.47	8.56	97.18	—	1788	2211	1864	85.8	80.2	98.7
	USS FSS-95	17.26	6.35	101.60	—	943	1308	1263	57.0	57.0	59.6
		20.09	7.37	99.57	—	1143	1499	1450	66.1	66.1	71.6
		22.47	8.56	97.18	—	1370	1726	1668	73.4	67.6	85.0
114.3	USS-125	20.09	7.37	99.57	—	1624	2144	2131	97.2	97.2	80.0
		22.47	8.56	97.18	—	1948	2464	2451	112.9	105.6	109.1
		24.70	9.52	95.25	—	2206	2576	2700	114.8	105.6	131.7
		28.42	11.10	92.10	—	2616	2576	3100	114.8	105.6	151.1
	USS-140	22.47	8.56	97.18	—	2166	2740	2745	123.6	118.2	118.7
		24.70	9.52	95.25	—	2451	2860	3025	123.6	118.2	145.6
		28.42	11.10	92.10	—	2909	2860	3474	123.6	118.2	169.3
127.0	C-90	39.73	14.27	98.45	—	2847	2389	3136	83.9	76.9	123.8
	C-95	39.73	14.27	98.45	—	2989	2509	3309	88.6	81.2	130.7
	T-95	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	82.9
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	104.5
		34.53	12.14	102.72	—	2522	2509	2869	88.6	81.2	113.3
		35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
		39.73	14.27	98.45	—	2989	2509	3309	88.6	81.2	130.7
	P-110	39.73	14.27	98.45	—	3554	2985	3834	102.6	94.0	151.3
	Q-125	22.32	7.52	111.96	—	1868	2438	2433	89.3	89.3	65.4
		39.73	14.27	98.45	—	3839	3225	4355	110.3	106.8	172.0
	V-150	22.32	7.52	111.96	—	2211	2896	2918	107.1	107.1	70.7

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	[illegible]	26.79	9.19	108.61	—	2820	3492	3519	110.3	128.2	116.2
127.0	V-150	31.85	11.10	104.80	—	3492	3821	4181	110.3	128.2	165.0
		34.53	12.14	102.72	—	3843	3821	4533	110.3	128.2	178.8
		35.86	12.70	101.60	—	4035	3821	4715	110.3	128.2	186.2
		39.73	14.27	98.45	—	4551	3821	5227	110.3	128.2	206.4
	USS C-90	22.32	7.52	111.96	—	1383	1797	1753	64.3	64.3	54.0
		26.79	9.19	108.61	—	1761	2166	2113	78.6	76.9	79.4
		31.85	11.10	104.80	—	2180	2389	2509	83.9	76.9	99.0
		34.53	12.14	102.72	—	2402	2389	2718	83.9	76.9	107.3
		35.86	12.70	101.60	—	2522	2389	2829	83.9	76.9	111.7
		39.73	14.27	98.45	—	2847	2389	3136	83.9	76.9	123.8
	USS SC-90	22.32	7.52	111.96	—	1450	1868	1753	64.3	64.3	54.0
		26.79	9.19	108.61	—	1850	2255	2113	78.6	76.9	79.4
		31.85	11.10	104.80	—	2291	2509	2509	83.9	76.9	99.0
		34.53	12.14	102.72	—	2522	2509	2718	83.9	76.9	107.3
		35.86	12.70	101.60	—	2647	2509	2829	83.9	76.9	111.7
		39.73	14.27	98.45	—	2989	2509	3136	83.9	76.9	123.8
	USS C-95	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	82.9
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	104.5
		34.53	12.14	102.72	—	2522	2509	2869	88.6	81.2	113.3
127.0	USS C-95	35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
		39.73	14.27	98.45	—	2989	2509	3309	88.6	81.2	130.7
	USS-95	22.32	7.52	111.96	—	1690	2180	1850	67.8	67.8	70.7
		26.79	9.19	108.61	—	2153	2629	2229	83.0	81.2	92.7
		31.85	11.10	104.80	—	2664	2985	2647	88.6	81.2	121.0
		34.53	12.14	102.72	—	2936	2985	2869	88.6	81.2	131.1
		35.86	12.70	101.60	—	3083	2985	2989	88.6	81.2	136.5
	USS FSS-95	22.32	7.52	111.96	—	1312	1704	1655	60.7	60.7	64.7
		26.79	9.19	108.61	—	1673	2055	1993	74.3	68.3	81.9
		34.53	12.14	102.72	—	2282	2269	2567	74.6	68.3	109.1
	USS-125	22.32	7.52	111.96	—	1868	2438	2433	89.3	89.3	65.4
		26.79	9.19	108.61	—	2380	2940	2931	109.2	106.8	102.2
		31.85	11.10	104.80	—	2945	3225	3483	110.3	106.8	137.5
		34.53	12.14	102.72	—	3243	3225	3777	110.3	106.8	149.1
		35.86	12.70	101.60	—	3403	3225	3932	110.3	106.8	155.1
		39.73	14.27	98.45	—	3839	3225	4355	110.3	106.8	172.0
	USS-140	22.32	7.52	111.96	—	2073	2713	2722	100.0	100.0	68.8
		26.79	9.19	108.61	—	2642	3269	3283	110.3	119.6	110.8
		31.85	11.10	104.80	—	3269	3581	3901	110.3	119.6	154.0
		34.53	12.14	102.72	—	3603	3581	4230	110.3	119.6	166.9
127.0	USS-140	35.86	127.00	101.60	—	3781	3581	4404	110.3	119.6	173.7
		39.73	14.27	98.45	—	4266	3581	4880	110.3	119.6	192.6
139.7	C-90	39.88	12.70	114.30	—	2807	2580	3145	76.6	69.8	102.6
		44.20	14.27	111.15	—	3172	2580	3492	76.6	69.8	113.8
		48.51	15.88	107.95	—	3532	2580	3830	76.6	69.8	125.0
		52.53	17.45	104.80	—	3874	2580	4159	76.6	69.8	135.7
		56.55	19.05	101.60	—	4217	2580	4479	76.6	69.8	146.2
		60.27	20.62	98.45	—	4542	2580	4786	76.6	69.8	156.2
		64.14	22.23	95.25	—	4857	2580	5089	76.6	69.8	166.0
	C-95	39.88	12.70	114.30	—	2945	2709	3318	80.9	73.6	108.2
		44.20	14.27	111.15	—	3327	2709	3683	80.9	73.6	120.2
	T-95	25.30	7.72	124.26	—	1664	2135	2095	63.4	63.4	47.8
		29.76	9.17	121.36	—	2046	2504	2464	75.2	73.6	69.1
		34.23	10.54	118.62	—	2402	2709	2802	80.9	73.6	89.1
		39.88	12.70	114.30	—	2945	2709	3318	80.9	73.6	108.2
		44.20	14.27	111.15	—	3327	2709	3683	80.9	73.6	120.2
	P-110	39.88	12.70	114.30	—	3505	3225	3843	90.7	85.3	125.3
		44.20	14.27	111.15	—	3963	3225	4266	90.7	85.3	139.1

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	Q-125	25.30	7.72	124.26	—	2140	2758	2758	83.4	83.4	54.4
		29.76	9.17	121.36	—	2633	3238	3243	90.7	96.9	83.4
139.7	Q-125	39.88	12.70	114.30	—	3785	3483	4368	90.7	96.9	142.4
		44.20	14.27	111.15	—	4279	3483	4849	90.7	96.9	158.2
	V-150	29.76	9.17	121.36	—	3118	3848	3888	90.7	111.0	92.9
		34.23	10.54	118.62	—	3661	4124	4422	90.7	111.0	126.8
		39.88	12.70	114.30	—	4488	4124	5240	90.7	111.0	170.9
		44.20	14.27	111.15	—	5071	4124	5818	90.7	111.0	189.7
	USS C-90	25.30	7.72	124.26	—	1584	2028	1988	60.1	60.1	46.4
		29.76	9.17	121.36	—	1948	2384	2335	71.3	69.8	66.4
		34.23	10.54	118.62	—	2286	2580	2656	76.6	69.8	85.4
		39.88	12.70	114.30	—	2807	2580	3145	76.6	69.8	102.6
		44.20	14.27	111.15	—	3172	2580	3492	76.6	69.8	113.8
		48.51	15.88	107.95	—	3532	2580	3830	76.6	69.8	125.0
		52.53	17.45	104.80	—	3874	2580	4159	76.6	69.8	135.7
		56.55	19.05	101.60	—	4217	2580	4479	76.6	69.8	146.2
		60.27	20.62	98.45	—	4542	2580	4786	76.6	69.8	156.2
		64.14	22.23	95.25	—	4857	2580	5089	76.6	69.8	166.0
	USS SC-90	25.30	7.72	124.26	—	1664	2113	1988	60.1	60.1	46.4
		29.76	9.17	121.36	—	2046	2478	2335	71.3	69.8	66.4
		34.23	10.54	118.62	—	2402	2709	2656	76.6	69.8	85.4
		39.88	12.70	114.30	—	2945	2709	3145	76.6	69.8	102.6
	USS SC-90	44.20	14.27	111.15	—	3327	2709	3492	76.6	69.8	113.8
		48.51	15.88	107.95	—	3710	2709	3830	76.6	69.8	125.0
		52.53	17.45	104.80	—	4070	2709	4159	76.6	69.8	135.7
		56.55	19.05	101.60	—	4426	2709	4479	76.6	69.8	146.2
		60.27	20.62	98.45	—	4768	2709	4786	76.6	69.8	156.2
		64.14	22.23	95.25	—	5102	2709	5089	76.6	69.8	166.0
139.7	USS C-95	25.30	7.72	124.26	—	1664	2135	2095	63.4	63.4	47.8
		29.76	9.17	121.36	—	2046	2504	2464	75.2	73.6	69.1
		34.23	10.54	118.62	—	2402	2709	2802	80.9	73.6	89.1
		39.88	12.70	114.30	—	2945	2709	3318	80.9	73.6	108.2
		44.20	14.27	111.15	—	3327	2709	3683	80.9	73.6	120.2
	USS-95	25.30	7.72	124.26	—	1868	2455	2095	63.4	63.4	65.2
		29.76	9.17	121.36	—	2304	2887	2464	75.2	73.6	79.8
		34.23	10.54	118.62	—	2705	3221	2802	80.9	73.6	100.1
	USS FSS-95	25.30	7.72	124.26	—	1503	1926	1877	56.7	56.7	59.2
		29.76	9.17	121.36	—	1850	2264	2202	67.3	62.1	73.3
		34.23	10.54	118.62	—	2175	2451	2509	68.1	62.1	85.8
	USS-125	25.30	7.72	124.26	—	2140	2758	2758	83.4	83.4	54.4
		29.76	9.17	121.36	—	2633	3238	3243	90.7	96.9	83.4
		34.23	10.54	118.62	—	3087	3483	3688	90.7	96.9	110.7
139.7	USS-125	39.88	12.70	114.30	—	3785	3483	4368	90.7	96.9	142.4
		44.20	14.27	111.15	—	4279	3483	4849	90.7	96.9	158.2
	USS-140	29.76	9.17	121.36	—	2922	3603	3630	90.7	108.5	89.3
		34.23	10.54	118.62	—	3434	3866	4128	90.7	108.5	120.5
		39.88	12.70	114.30	—	4208	3866	4893	90.7	108.5	159.5
		44.20	14.27	111.15	—	4755	3866	5431	90.7	108.5	177.1
177.8	C-90	63.54	15.88	146.05	—	4577	3897	5013	65.6	65.6	100.9
		69.05	17.45	142.90	—	5040	3897	5454	65.6	65.6	109.8
		74.56	19.05	139.70	—	5502	3897	5894	65.6	65.6	118.7
		79.77	20.62	136.55	—	5943	3897	6321	65.6	65.6	127.3
		84.97	22.23	133.35	—	6383	3897	6739	65.6	65.6	135.8
	C-95	63.54	15.88	146.05	—	4826	4092	5289	65.6	69.3	106.5
	T-95	34.23	8.05	161.70	—	2246	2829	2811	51.9	51.9	28.6
		38.69	9.19	159.41	—	2638	3212	3189	59.3	59.3	40.6
		43.16	10.36	157.07	—	3038	3594	3572	65.6	66.8	54.1
		47.62	11.51	154.79	—	3416	3963	3937	65.6	69.3	67.2
		52.09	12.65	152.50	—	3794	4092	4297	65.6	69.3	80.3

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		56.55	13.72	150.37	—	4141	4092	4631	65.6	69.3	92.6
		63.54	15.88	146.05	—	4826	4092	5289	65.6	69.3	106.5
	P-110	63.54	15.88	146.05	—	5636	4871	6125	65.6	80.2	123.3
		43.16	10.36	157.07	—	3937	4648	4697	65.6	81.3	62.8
	Q-125	47.62	11.51	154.79	—	4430	5124	5182	65.6	81.3	80.7
		63.54	15.88	146.05	—	6254	5262	6961	65.6	81.3	140.2
		43.16	10.36	157.07	—	4666	5529	5636	65.6	81.3	67.6
		47.62	11.51	154.79	—	5249	6094	6219	65.6	81.3	89.8
	V-150	52.09	12.65	152.50	—	5827	6236	6788	65.6	81.3	111.9
		56.55	13.72	150.37	—	6361	6236	7313	65.6	81.3	132.6
		63.54	15.88	146.05	—	7415	6236	8354	65.6	81.3	168.2
		34.23	8.05	161.70	—	2131	2691	2664	49.2	49.2	27.8
		38.69	9.19	159.41	—	2504	3056	3020	56.1	56.1	39.6
177.8		43.16	10.36	157.07	—	2882	3416	3381	63.3	63.3	52.3
		47.62	11.51	154.79	—	3243	3768	3732	65.6	65.6	64.6
		52.09	12.65	152.50	—	3599	3897	4075	65.6	65.6	77.0
	USS C-90	56.55	13.72	150.37	—	3928	3897	4386	65.6	65.6	88.3
		63.54	15.88	146.05	—	4577	3897	5013	65.6	65.6	100.9
		69.05	17.45	142.90	—	5040	3897	5454	65.6	65.6	109.8
		74.56	19.05	139.70	—	5502	3897	5894	65.6	65.6	118.7
		79.77	20.62	136.55	—	5943	3897	6321	65.6	65.6	127.3
		84.97	22.23	133.35	—	6383	3897	6739	65.6	65.6	135.8
	USS SC-90	34.23	8.05	161.70	—	2162	2793	2664	49.2	49.2	27.8
		38.69	9.19	159.41	—	2540	3167	3020	56.1	56.1	39.6
		43.16	10.36	157.07	—	2922	3545	3381	63.3	63.3	52.3
		47.62	11.51	154.79	—	3292	3910	3732	65.6	65.6	64.6
		52.09	12.65	152.50	—	3652	4092	4075	65.6	65.6	77.0
	USS SC-90	56.55	13.72	150.37	—	3986	4092	4386	65.6	65.6	88.3
		63.54	15.88	146.05	—	4648	4092	5013	65.6	65.6	100.9
		69.05	17.45	142.90	—	5115	4092	5454	65.6	65.6	109.8
		74.56	19.05	139.70	—	5583	4092	5894	65.6	65.6	118.7
		79.77	20.62	136.55	—	6032	4092	6321	65.6	65.6	127.3
177.8		84.97	22.23	133.35	—	6477	4092	6739	65.6	65.6	135.8
		34.23	8.05	161.70	—	2246	2829	2811	51.9	51.9	28.6
		38.69	9.19	159.41	—	2638	3212	3189	59.3	59.3	40.6
		43.16	10.36	157.07	—	3038	3594	3572	65.6	66.8	54.1
	USS C-95	47.62	11.51	154.79	—	3416	3963	3937	65.6	69.3	67.2
		52.09	12.65	152.50	—	3794	4092	4297	65.6	69.3	80.3
		56.55	13.72	150.37	—	4141	4092	4631	65.6	69.3	92.6
		63.54	15.88	146.05	—	4826	4092	5289	65.6	69.3	106.5
		34.23	8.05	161.70	—	2375	3229	2811	51.9	51.9	39.6
	USS-95	38.69	9.19	159.41	—	2789	3661	3189	59.3	59.3	57.0
		43.16	10.36	157.07	—	3207	4101	3572	65.6	66.8	69.4
		47.62	11.51	154.79	—	3612	4519	3937	65.6	69.3	78.5
	USS-95	52.09	12.65	152.50	—	4008	4875	4297	65.6	69.3	89.7
		56.55	13.72	150.37	—	4373	4875	4631	65.6	69.3	104.2
		34.23	8.05	161.70	—	1935	2553	2518	46.5	46.5	39.0
		38.69	9.19	159.41	—	2273	2896	2856	53.0	53.0	53.8
	USS FSS-95	43.16	10.36	157.07	—	2611	3243	3194	59.8	58.3	63.4
		47.62	11.51	154.79	—	2940	3576	3523	63.7	58.3	71.7
		52.09	12.65	152.50	—	3265	3701	3848	63.7	58.3	80.0
		56.55	13.72	150.37	—	3563	3701	4146	63.7	58.3	87.6
177.8		43.16	10.36	157.07	—	3937	4648	4697	65.6	81.3	62.8
		47.62	11.51	154.79	—	4430	5124	5182	65.6	81.3	80.7
	USS-125	52.09	12.65	152.50	—	4920	5262	5658	65.6	81.3	98.7
		56.55	13.72	150.37	—	5369	5262	6094	65.6	81.3	115.4
		63.54	15.88	146.05	—	6254	5262	6961	65.6	81.3	140.2
		43.16	10.36	157.07	—	4373	5178	5262	65.6	81.3	65.9
		47.62	11.51	154.79	—	4924	5707	5800	65.6	81.3	86.4

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	USS-140	52.09	12.65	152.50	—	5467	5845	6334	65.6	81.3	106.8
		56.55	13.72	150.37	—	5965	5845	6824	65.6	81.3	125.9
		63.54	15.88	146.05	—	6953	5845	7793	65.6	81.3	157.0
193.7	C-90	76.19	17.45	158.78	—	5391	5511	5996	81.4	76.0	101.8
	C-90	82.30	19.05	155.58	—	5889	5511	6486	81.4	76.0	110.0
	C-95	76.19	17.45	158.78	—	5680	5787	6330	81.4	80.2	107.4
	T-95	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	85.6
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	98.6
		76.19	17.45	158.78	—	5680	5787	6330	81.4	80.2	107.4
193.7	P-110	39.29	8.33	177.01	—	2909	3759	3679	57.1	57.1	27.0
		76.19	17.45	158.78	—	6632	6890	7326	81.4	87.4	124.4
	Q-125	44.20	9.52	174.63	—	3830	4680	4751	74.2	74.2	39.1
		50.15	10.92	171.83	—	4488	5325	5405	81.4	85.1	57.5
		76.19	17.45	158.78	—	7429	7442	8327	81.4	87.4	141.3
	V-150	50.15	10.92	171.83	—	5369	6334	6486	81.4	87.4	61.0
		58.04	12.70	168.28	—	6352	7295	7469	81.4	87.4	92.7
		63.69	14.27	165.13	—	7206	8127	8323	81.4	87.4	120.7
		67.41	15.11	163.45	—	7655	8567	8767	81.4	87.4	135.7
		70.09	15.88	161.93	—	8060	8816	9172	81.4	87.4	149.3
		76.19	17.45	158.78	—	8883	8816	9991	81.4	87.4	169.5
193.7	USS C-90	39.29	8.33	177.01	—	2366	3029	3011	46.7	46.7	24.9
		44.20	9.52	174.63	—	2780	3438	3421	53.4	53.4	34.7
		50.15	10.92	171.83	—	3261	3914	3892	61.2	61.2	48.6
		58.04	12.70	168.28	—	3857	4506	4479	71.2	71.2	66.3
		63.69	14.27	165.13	—	4377	5022	4991	80.0	76.0	82.0
		67.41	15.11	163.45	—	4648	5289	5262	81.4	76.0	89.3
		70.09	15.88	161.93	—	4893	5511	5502	81.4	76.0	93.4
		76.19	17.45	158.78	—	5391	5511	5996	81.4	76.0	101.8
		82.30	19.05	155.58	—	5889	5511	6486	81.4	76.0	110.0
193.7	USS SC-90	39.29	8.33	177.01	—	2398	3136	3011	46.7	46.7	59.4
		44.20	9.52	174.63	—	2820	3563	3421	53.4	53.4	34.7
		50.15	10.92	171.83	—	3305	4052	3892	61.2	61.2	48.6
		58.04	12.70	168.28	—	3910	4666	4479	71.2	71.2	66.3
		63.69	14.27	165.13	—	4439	5200	4991	80.0	76.0	82.0
		67.41	15.11	163.45	—	4715	5480	5262	81.4	76.0	89.3
		70.09	15.88	161.93	—	4964	5729	5502	81.4	76.0	93.4
		76.19	17.45	158.78	—	5467	5787	5996	81.4	76.0	101.8
		82.30	19.05	155.58	—	5974	5787	6486	81.4	76.0	110.0
	USS C-95	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
193.7	USS C-95	50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	85.6
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	98.6
		76.19	17.45	158.78	—	5680	5787	6330	81.4	80.2	107.4
	USS-95	39.29	8.33	177.01	—	2629	3616	3176	49.3	49.3	34.5
		44.20	9.52	174.63	—	3087	4106	3608	56.4	56.4	49.6
		50.15	10.92	171.83	—	3621	4675	4106	64.7	64.7	66.7
		58.04	12.70	168.28	—	4284	5382	4728	75.2	75.2	79.7
		63.69	14.27	165.13	—	4862	5996	5271	81.4	80.2	95.9
		67.41	15.11	163.45	—	5164	6321	5551	81.4	80.2	106.3
		70.09	15.88	161.93	—	5436	6610	5809	81.4	80.2	114.2
	USS FSS-95	39.29	8.33	177.01	—	2144	2869	2842	44.1	44.1	33.4
		44.20	9.52	174.63	—	2522	3261	3229	50.5	50.5	49.3
		50.15	10.92	171.83	—	2954	3710	3674	57.8	57.8	60.7

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压		抗挤强度 MPa
					园扣		偏梯扣		园扣	偏梯扣	
					短扣 KN	长扣 KN	KN		MPa	MPa	
		58.04	12.70	168.28	—	3496	4275	4230	67.2	67.2	73.1
		67.41	15.11	163.45	—	4212	5018	4969	72.4	67.5	88.9
	USS-125	44.20	9.52	174.63	—	3830	4680	4751	74.2	74.2	39.1
		50.15	10.92	171.83	—	4488	5325	5405	81.4	85.1	57.5
		58.04	12.70	168.28	—	5311	6134	6223	81.4	87.4	83.2
	USS-125	63.69	14.27	165.13	—	6027	6832	6935	81.4	87.4	105.8
		67.41	15.11	163.45	—	6401	7202	7308	81.4	87.4	118.0
		70.09	15.88	161.93	—	6739	7442	7642	81.4	87.4	128.9
		76.19	17.45	158.78	—	7429	7442	8327	81.4	87.4	141.3
193.7	USS-140	50.15	10.92	171.83	—	5018	5934	6054	81.4	87.4	59.9
		58.04	12.70	168.28	—	5938	6832	6970	81.4	87.4	89.1
		63.69	14.27	165.13	—	6735	7611	7767	81.4	87.4	115.0
		67.41	15.11	163.45	—	7157	8020	8185	81.4	87.4	128.7
		70.09	15.88	161.93	—	7531	8265	8558	81.4	87.4	141.3
		76.19	17.45	158.78	—	8300	8265	9323	81.4	87.4	158.2
	K-55	43.60	7.14	230.20	1419	—	—	2019	19.4	—	8.3
	C-90	88.40	15.47	204.39	—	5800	6841	6904	58.3	63.2	61.8
		96.58	17.07	210.34	—	6437	7495	7566	58.3	63.2	74.5
		104.62	18.64	207.19	—	7050	7820	8207	58.3	63.2	86.9
244.5		112.51	20.24	203.99	—	7664	7820	8848	58.3	63.2	94.3
	C-95	88.40	15.47	213.54	—	6116	7197	7291	58.3	63.2	64.3
		96.58	17.07	210.34	—	6784	7882	7989	58.3	63.2	77.6
		104.62	18.64	207.19	—	7429	8207	8665	58.3	63.2	90.8
	T-95	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
	T-95	69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
		88.40	15.47	213.54	—	6116	7197	7291	58.3	63.2	64.3
		96.58	17.07	210.34	—	6784	7882	7989	58.3	63.2	77.6
		104.62	18.64	207.19	—	7429	8207	8665	58.3	63.2	90.8
	P-110	88.40	15.47	213.54	—	7130	8478	8438	66.9	63.2	70.9
		96.58	17.07	210.34	—	7909	9292	9248	66.9	63.2	86.7
		104.62	18.64	207.19	—	8665	9773	10031	66.9	63.2	102.2
	Q-125	88.40	15.47	213.54	—	7998	9332	9590	66.9	63.2	76.7
244.5		96.58	17.07	210.34	—	8870	10222	10511	66.9	63.2	95.0
		104.62	18.64	207.19	—	9715	10556	11401	66.9	63.2	113.0
	V-150	79.62	13.84	216.79	—	8487	10013	10373	66.9	63.2	61.8
		88.40	15.47	213.54	—	9564	11112	11508	66.9	63.2	84.7
		96.58	17.07	210.34	—	10609	12175	12611	66.9	63.2	107.4
		104.62	18.64	207.19	—	11623	12508	13678	66.9	63.2	129.6
	USS C-90	59.53	10.03	224.41	—	3576	4542	4586	44.5	44.5	22.5
		64.74	11.05	222.38	—	3999	4978	5026	49.1	49.1	27.6
		69.94	11.99	220.50	—	4390	5382	5436	53.2	53.2	34.4
		79.62	13.84	216.79	—	5147	6165	6223	58.3	61.5	49.0
		88.40	15.47	213.54	—	5800	6841	6904	58.3	63.2	61.8
	USS C-90	96.58	17.07	210.34	—	6437	7495	7566	58.3	63.2	74.5
		104.62	18.64	207.19	—	7050	7820	8207	58.3	63.2	86.9
		112.51	20.24	203.99	—	7664	7820	8848	58.3	63.2	94.3
	USS SC-90	59.53	10.03	224.41	—	3621	4684	4586	44.5	44.5	22.5
		64.74	11.05	222.38	—	4052	5138	5026	49.1	49.1	27.6
		69.94	11.99	220.50	—	4444	5551	5436	53.2	53.2	34.4
		79.62	13.84	216.79	—	5213	6361	6223	58.3	61.5	49.0
		88.40	15.47	213.54	—	5876	7055	6904	58.3	63.2	61.8
		96.58	17.07	210.34	—	6517	7731	7566	58.3	63.2	74.5
244.5		104.62	18.64	207.19	—	7139	8207	8207	58.3	63.2	86.9
		112.51	20.24	203.99	—	7762	8207	8848	58.3	63.2	94.3
		59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
		69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	35.1

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	USS C-95	79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
		88.40	15.47	213.54	—	6116	7197	7291	58.3	63.2	64.3
		96.58	17.07	210.34	—	6784	7882	7989	58.3	63.2	77.6
		104.62	18.64	207.19	—	7429	8207	8665	58.3	63.2	90.8
	USS-95	59.53	10.03	224.41	—	3954	5356	4840	47.0	47.0	30.3
		64.74	11.05	222.38	—	4422	5872	5307	51.8	51.8	39.4
	USS-95	69.94	11.99	220.50	—	4853	6343	5734	56.2	56.2	49.3
		79.62	13.84	216.79	—	5689	7268	6570	58.3	63.2	67.0
		86.91	—	—	—	6254	7891	7135	58.3	63.2	74.4
		90.93	—	—	—	6592	8260	7469	58.3	63.2	78.8
	USS FS-80	53.57	8.94	226.59	2340	2691	3688	3421	33.1	33.1	20.5
		59.53	10.03	224.41	2687	3087	4119	3821	37.2	37.2	29.2
	USS FSS-95	59.53	10.03	224.41	—	3234	4306	4333	42.1	42.1	29.2
		64.74	11.05	222.38	—	3616	4720	4751	46.3	46.3	38.6
		69.94	11.99	220.50	—	3972	5102	5133	50.3	50.3	49.0
244.5		79.62	13.84	216.79	—	4657	5845	5876	58.1	58.1	61.0
		86.91	—	—	—	5120	6343	6383	58.3	60.9	68.6
		90.93	—	—	—	5396	6641	6681	58.3	60.9	72.4
	USS-125	69.94	11.99	220.50	—	6050	7340	7549	66.9	63.2	38.8
		79.62	13.84	216.79	—	7095	8407	8643	66.9	63.2	58.2
		88.40	15.47	213.54	—	7998	9332	9590	66.9	63.2	76.7
		96.58	17.07	210.34	—	8870	10222	10511	66.9	63.2	95.0
		104.62	18.64	207.19	—	9715	10556	11401	66.9	63.2	113.0
	USS-140	79.62	13.84	216.79	—	7931	9372	9684	66.9	63.2	60.6
		88.40	15.47	213.54	—	8936	10400	10742	66.9	63.2	81.8
		96.58	17.07	210.34	—	9915	11392	11770	66.9	63.2	102.6
244.5	USS-140	104.62	18.64	207.19	—	10863	11726	12766	66.9	63.2	123.1
	K-55	93.46	15.88	219.08	2829	3269	4693	4444	41.6	40.9	43.0
	C-75	93.46	15.88	219.08	3514	4043	5155	6058	55.6	55.8	54.3
	L-80	93.46	15.88	219.08	3688	4235	5271	6463	55.6	59.5	57.0
	N-80	93.46	15.88	219.08	3737	4293	5454	6463	55.6	59.5	57.0
	C-95	93.46	15.88	219.08	4297	4933	5978	7673	55.6	60.2	64.3
250.8	P-110	93.46	15.88	219.08	5013	5756	7046	8888	55.6	60.2	70.9
	Q-125	93.46	15.88	219.08	5627	6454	7753	10097	55.6	60.2	76.8
	V-150	93.46	15.88	219.08	6730	7722	9230	12117	55.6	60.2	84.8
	USS-95	93.46	15.88	219.08	4497	5173	6699	7673	55.6	60.2	77.8
	USS FSS-95	93.46	15.88	219.08	3688	4235	5387	6868	55.6	59.5	69.4
	USS-125	93.46	15.88	219.08	5627	6454	7753	10097	55.6	60.2	76.8
	USS-140	93.46	15.88	219.08	6290	7215	8638	11312	55.6	60.2	81.8
	C-90	90.33	13.84	245.36	4844	—	6868	6997	47.4	51.4	37.6
		97.77	15.11	242.82	5329	—	7460	7598	47.4	51.4	46.6
		108.93	17.07	238.91	6067	—	8363	8518	47.4	51.4	60.4
273.1		117.86	18.64	235.76	6650	—	8696	9248	47.4	51.4	71.5
		126.94	20.24	232.56	7237	—	8696	9977	47.4	51.4	82.8
	C-95	90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
	C-95	108.93	17.07	238.91	6397	—	8799	8990	47.4	51.4	62.7
		117.86	18.64	235.76	7010	—	9128	9759	47.4	51.4	74.5
	T-95	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
		108.93	17.07	238.91	6397	—	8799	8990	47.4	51.4	62.7
		117.86	18.64	235.76	7010	—	9128	9759	47.4	51.4	74.5
	P-110	108.93	17.07	238.91	7451	—	10355	10409	54.4	51.4	69.0
273.1		117.86	18.64	235.76	8167	—	10867	11303	54.4	51.4	82.9
	Q-125	108.93	17.07	238.91	8367	—	11423	11832	54.4	51.4	74.6
		117.86	18.64	235.76	9172	—	11739	12842	54.4	51.4	90.7
		90.33	13.84	245.36	7993	—	11178	11659	54.4	51.4	45.1

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
273.1	V-150	97.77	15.11	242.82	8794	—	12144	12664	54.4	51.4	57.4
		108.93	17.07	238.91	10013	—	13612	14194	54.4	51.4	82.1
		117.86	18.64	235.76	10978	—	13910	15409	54.4	51.4	102.0
	USS C-90	75.90	11.43	250.19	3910	—	5725	5832	45.4	45.4	23.4
		82.59	12.57	247.90	4355	—	6268	6383	47.4	50.0	28.7
		90.33	13.84	245.36	4844	—	6868	6997	47.4	51.4	37.6
		97.77	15.11	242.82	5329	—	7460	7598	47.4	51.4	46.6
	USS C-90	108.93	17.07	238.91	6067	—	8363	8518	47.4	51.4	60.4
		117.86	18.64	235.76	6650	—	8696	9248	47.4	51.4	71.5
		126.94	20.24	232.41	7237	—	8696	9977	47.4	51.4	82.8
	USS SC-90	75.90	11.43	250.19	3954	—	5889	5832	45.4	45.4	23.4
		82.59	12.57	247.90	4404	—	6454	6383	47.4	50.0	28.7
		90.33	13.84	245.36	4902	—	7068	6997	47.4	51.4	37.6
		97.77	15.11	242.82	5391	—	7682	7598	47.4	51.4	46.6
		108.93	17.07	238.91	6134	—	8607	8518	47.4	51.4	60.4
		117.86	18.64	235.76	6726	—	9128	9248	47.4	51.4	71.5
		126.94	20.24	232.56	7322	—	9128	9977	47.4	51.4	82.8
	USS C-95	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
		108.93	17.07	238.91	6397	—	8799	8990	47.4	51.4	62.7
		117.86	18.64	235.76	7010	—	9128	9759	47.4	51.4	74.5
	USS-95	75.90	11.43	250.19	4301	—	6695	6152	47.4	48.0	30.8
		82.59	12.57	247.90	4791	—	7331	6739	47.4	51.4	41.0
		90.33	13.84	245.36	5329	—	8033	7384	47.4	51.4	52.1
		97.77	15.11	242.82	5863	—	8727	8020	47.4	51.4	59.6
	USS-95	108.93	17.07	238.91	6677	—	9782	8990	47.4	51.4	69.4
	USS FS-80	75.90	11.43	250.19	3363	—	5160	4857	37.9	37.9	30.5
		82.59	12.57	247.90	3745	—	5654	5320	41.6	41.6	36.0
		90.33	13.84	245.36	4168	—	6192	5827	45.9	45.9	34.4
		97.77	15.11	242.82	4586	—	6730	6334	47.4	50.1	41.8
		108.93	17.07	238.91	5218	—	7544	7099	47.4	51.4	53.1
		117.86	18.64	235.76	5720	—	8189	7704	47.4	51.4	62.2
	USS FSS-95	82.59	12.57	247.90	3932	—	5938	6032	47.2	47.2	41.0
		90.33	13.84	245.36	4373	—	6508	6606	47.4	51.4	52.1
		97.77	15.11	242.82	4813	—	7073	7175	47.4	51.4	59.6
		108.93	17.07	238.91	5476	—	7927	8042	47.4	51.4	68.3
		117.86	18.64	235.76	6005	—	8260	8732	47.4	51.4	76.4
	USS-125	90.33	13.84	245.36	6681	—	9381	9715	54.4	51.4	41.9
		97.77	15.11	242.82	7348	—	10191	10556	54.4	51.4	54.6
		108.93	17.07	238.91	8367	—	11423	11832	54.4	51.4	74.6
		117.86	18.64	235.76	9172	—	11739	12842	54.4	51.4	90.7
	USS-140	60.27	8.89	255.27	4479	—	6846	7122	54.4	51.4	11.9
		67.71	10.16	252.73	5258	—	7784	8100	54.4	51.4	18.0
		75.90	11.43	250.19	6027	—	8714	9070	54.4	51.4	25.9
		82.59	12.57	247.90	6712	—	9546	9933	54.4	51.4	34.4
339.7	C-95	113.99	13.89	311.94	5738	—	8936	9315	31.4	34.0	22.8
		125.75	15.47	308.79	6454	—	9902	10320	31.4	34.0	29.0
		137.66	17.07	305.59	7175	—	10871	11334	31.4	34.0	37.6
		149.26	18.64	302.44	7878	—	11276	12317	31.4	34.0	47.0
	T-95	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
		113.99	13.89	311.94	5738	—	8936	9315	31.4	34.0	22.8
		125.75	15.47	308.79	6454	—	9902	10320	31.4	34.0	29.0
		137.66	17.07	305.59	7175	—	10871	11334	31.4	34.0	37.6
		149.26	18.64	302.44	7878	—	11276	12317	31.4	34.0	47.0
	P-110	113.99	13.89	311.94	6677	—	10484	10787	36.0	34.0	23.7
		125.75	15.47	308.79	7513	—	11619	11952	36.0	34.0	31.0

美钢联(USS)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 圆扣 短扣 KN	圆扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 圆扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	[illegible]	137.66	17.07	305.59	8349	—	12758	13122	36.0	34.0	39.4
		149.26	18.64	302.44	9168	—	13425	14261	36.0	34.0	50.6
	Q-125	113.99	13.89	311.94	7513	—	11632	12259	36.0	34.0	24.1
		125.75	15.47	308.79	8447	—	12886	13580	36.0	34.0	32.5
		137.66	17.07	305.59	9390	—	14150	14910	36.0	34.0	41.0
		149.26	18.64	302.44	10311	—	14497	16209	36.0	34.0	53.3
	V-150	137.66	17.07	305.59	11241	—	16881	17895	36.0	34.0	44.1
		149.26	18.64	302.44	12344	—	17183	19448	36.0	34.0	55.8
339.7	USS C-90	101.20	12.19	315.34	4702	—	7486	7784	31.4	34.0	16.0
		107.15	13.06	313.61	5080	—	7993	8314	31.4	34.0	19.2
	USS SC-90	101.20	12.19	315.34	4746	—	7664	7784	31.4	34.0	16.0
		107.15	13.06	313.61	5129	—	8185	8314	31.4	34.0	19.2
	USS C-95	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
		113.99	13.89	311.94	5738	—	8936	9315	31.4	34.0	22.8
		125.75	15.47	308.79	6454	—	9902	10320	31.4	34.0	29.0
		137.66	17.07	305.59	7175	—	10871	11334	31.4	34.0	37.6
		149.26	18.64	302.44	7878	—	11276	12317	31.4	34.0	47.0
	USS-95	107.15	13.06	313.61	5560	—	9181	8776	31.4	34.0	23.9
		113.99	13.89	311.94	5956	—	9746	9315	31.4	34.0	28.9
		125.75	15.47	308.79	6703	—	10796	10320	31.4	34.0	39.6
		137.66	17.07	305.59	7451	—	11855	11334	31.4	34.0	51.2
		149.26	18.64	302.44	8180	—	12886	12317	31.4	34.0	58.8
	USS-125	107.15	13.06	313.61	7010	—	10956	11548	36.0	34.0	19.9
		113.99	13.89	311.94	7513	—	11632	12259	36.0	34.0	24.1
		125.75	15.47	308.79	8447	—	12886	13580	36.0	34.0	32.5
		137.66	17.07	305.59	9390	—	14150	14910	36.0	34.0	41.0
		149.26	18.64	302.44	10311	—	14497	16209	36.0	34.0	53.3
339.7	USS-140	137.66	17.07	305.59	10502	—	15787	16703	36.0	34.0	43.1
		149.26	18.64	302.44	11530	—	16107	18153	36.0	34.0	55.1

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 3SB接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 3SB接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
139.7	J-55	23.09	6.98	125.7	899	965	1334	1400	1110	33.2	33.2	33.2	33.2	27.9
		25.32	7.72	124.3	1019	1099	1463	1540	1220	36.7	36.7	36.7	36.7	33.9
		29.790001	9.17	121.4	—	—	—	1810	1420	—	—	43.6	43.6	45.6
		34.259998	10.54	118.6	—	—	—	2060	1620	—	—	50.1	50.1	52.9
		38.73	12.09	115.5	—	—	—	2340	1840	—	—	57.4	57.4	60.0
	K-55	23.09	6.98	125.7	988	1063	1628	1710	1110	33.2	33.2	33.2	33.2	27.9
		25.32	7.72	124.3	1121	1210	1788	1890	1220	36.7	36.7	36.7	36.7	33.9
		29.790001	9.17	121.4	—	—	—	2210	1420	—	—	43.6	43.6	45.6
		34.259998	10.54	118.6	—	—	—	2520	1620	—	—	50.1	50.1	52.9
		38.73	12.09	115.5	—	—	—	2850	1840	—	—	57.4	57.4	60.0
	L-80	23.09	6.98	125.7	—	—	—	1820	1610	—	—	48.3	48.3	34.4
		25.32	7.72	124.3	—	1503	1904	2010	1770	53.4	53.4	53.4	53.4	43.4
		29.790001	9.17	121.4	—	1850	2237	2360	2080	63.4	62.0	63.4	63.4	60.9
		34.259998	10.54	118.6	—	2175	2447	2680	2360	68.1	62.0	72.8	72.8	76.9
		38.73	12.09	115.5	—	—	—	3040	2680	—	—	83.6	83.6	87.2
	N-80	23.09	6.98	125.7	—	—	—	1900	1610	—	—	48.3	48.3	34.4
		25.32	7.72	124.3	—	1548	1984	2090	1770	53.4	53.4	53.4	53.4	43.4
		29.790001	9.17	121.4	—	1904	2331	2460	2080	63.4	62.0	63.4	63.4	60.9
		34.259998	10.54	118.6	—	2233	2576	2790	2360	68.1	62.0	72.8	72.8	76.9
		38.73	12.09	115.5	—	—	—	3170	2680	—	—	83.6	83.6	87.2
139.7	AC-80	23.09	6.98	125.7	—	—	—	1900	1610	—	—	48.3	48.3	34.4
		25.32	7.72	124.3	—	1548	1984	2090	1770	53.4	53.4	53.4	53.4	43.4
		29.790001	9.17	121.4	—	1904	2331	2460	2080	63.4	62.0	63.4	63.4	60.9
		34.259998	10.54	118.6	—	2233	2576	2790	2360	68.1	62.0	72.8	72.8	76.9
		38.73	12.09	115.5	—	—	—	3170	2680	—	—	83.6	83.6	87.2
	AC-80T	23.09	6.98	125.7	—	—	—	1900	1610	—	—	48.3	48.3	45.6
		25.32	7.72	124.3	—	1548	1984	2090	1770	53.4	53.4	53.4	53.4	54.2
		29.790001	9.17	121.4	—	1904	2331	2460	2080	63.4	62.0	63.4	63.4	71.2
		34.259998	10.54	118.6	—	2233	2576	2790	2360	68.1	62.0	72.8	72.8	85.8
		38.73	12.09	115.5	—	—	—	3170	2680	—	—	83.6	83.6	97.2
	HC-80	23.09	6.98	125.7	—	—	—	1900	1610	—	—	48.3	48.3	45.6
		25.32	7.72	124.3	—	1548	1984	2090	1770	53.4	53.4	53.4	53.4	54.2
		29.790001	9.17	121.4	—	1904	2331	2460	2080	63.4	62.0	63.4	63.4	71.2
		34.259998	10.54	118.6	—	2233	2576	2790	2360	68.1	62.0	72.8	72.8	85.8
		38.73	12.09	115.5	—	—	—	3170	2680	—	—	83.6	83.6	97.2
	CR13, 15,25-80	23.09	6.98	125.7	—	—	—	1900	1610	—	—	48.3	48.3	34.4
		25.32	7.72	124.3	—	—	—	2090	1770	—	—	53.4	53.4	43.4
		29.790001	9.17	121.4	—	—	—	2460	2080	—	—	63.4	63.4	60.9
		34.259998	10.54	118.6	—	—	—	2790	2360	—	—	72.8	72.8	76.9
		38.73	12.09	115.5	—	—	—	3170	2680	—	—	83.6	83.6	87.2
139.7	AC-85	25.32	7.72	124.3	—	1584	2006	—	1877	56.7	56.7	56.7	56.7	45.0
		29.790001	9.17	121.4	—	1948	2358	—	2202	67.3	65.8	67.3	67.3	63.7
		34.259998	10.54	118.6	—	2286	2576	—	2509	72.4	65.8	77.4	77.4	81.5
	C-90	23.09	6.98	125.7	—	—	—	1950	1810	—	—	54.3	54.3	36.3
		25.32	7.72	124.3	—	1584	2028	2140	1990	60.1	60.1	60.1	60.1	46.4
		29.790001	9.17	121.4	—	1948	2384	2510	2340	71.3	69.8	71.3	71.3	66.4
		34.259998	10.54	118.6	—	2286	2576	2860	2660	76.6	69.8	81.9	81.9	85.4
		38.73	12.09	115.5	—	—	—	3240	3010	—	—	94.0	94.0	98.1
	AC-90	23.09	6.98	125.7	—	—	—	1990	1810	—	—	54.3	54.3	36.3
		25.32	7.72	124.3	—	1632	2077	2190	1990	60.1	60.1	60.1	60.1	46.4
		29.790001	9.17	121.4	—	2006	2442	2570	2340	71.3	69.8	71.3	71.3	66.4
		34.259998	10.54	118.6	—	2358	2656	2930	2660	76.6	69.8	81.9	81.9	85.4
		38.73	12.09	115.5	—	—	—	3320	3010	—	—	94.0	94.0	98.1
	C-95	23.09	6.98	125.7	—	—	—	2050	1910	—	—	57.3	57.3	37.1
		25.32	7.72	124.3	—	1664	2135	2250	2100	63.4	63.4	63.4	63.4	47.9
		29.790001	9.17	121.4	—	2046	2504	2640	2470	75.2	73.6	75.2	75.2	69.1
		34.259998	10.54	118.6	—	2402	2705	3000	2800	80.9	73.6	86.5	86.5	89.2
		38.73	12.09	115.5	—	—	—	3400	3180	—	—	99.2	99.2	103.6
	T-95	23.09	6.98	125.7	—	—	—	2050	1910	—	—	57.3	57.3	37.1

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度				管体抗拉强度 KN	抗内压				抗挤强度 MPa
					园扣		偏梯扣 KN	3SB接头 KN		园扣 MPa	偏梯扣 MPa	3SB接头 MPa	管体 MPa	
					短园 KN	长园 KN								
	[illegible]	25.32	7.72	124.3	—	1664	2135	2250	2100	63.4	63.4	63.4	63.4	47.9
139.7	T-95	29.790001	9.17	121.4	—	2046	2504	2640	2470	75.2	73.6	75.2	75.2	69.1
		34.259998	10.54	118.6	—	2402	2705	3000	2800	80.9	73.6	86.5	86.5	89.2
		38.73	12.09	115.5	—	—	—	3400	3180	—	—	99.2	99.2	103.6
	AC-95	23.09	6.98	125.7	—	—	—	2050	1910	—	—	57.3	57.3	37.1
		25.32	7.72	124.3	—	1664	2135	2250	2100	63.4	63.4	63.4	63.4	47.9
		29.790001	9.17	121.4	—	2046	2504	2640	2470	75.2	73.6	75.2	75.2	69.1
		34.259998	10.54	118.6	—	2402	2705	3000	2800	80.9	73.6	86.5	86.5	89.2
		38.73	12.09	115.5	—	—	—	3400	3180	—	—	99.2	99.2	103.6
	AC-100SS	25.32	7.72	124.3	—	1664	2157	2270	2206	66.7	66.7	66.7	66.7	49.2
		29.790001	9.17	121.4	—	2046	2531	2670	2593	79.2	77.5	79.2	79.2	71.7
		34.259998	10.54	118.6	—	2402	2705	3040	2949	85.2	77.5	91.0	91.0	93.0
	AC-105	25.32	7.72	124.3	—	1744	2260	—	2318	70.1	70.1	70.1	70.1	50.4
		29.790001	9.17	121.4	—	2144	2656	—	2722	83.2	81.4	83.2	83.2	74.1
		34.259998	10.54	118.6	—	2518	2834	—	3096	89.4	81.4	95.6	95.6	96.6
	AC-95T	23.09	6.98	125.7	—	—	—	2050	—	—	—	—	—	49.2
		25.32	7.72	124.3	—	1664	2135	2250	2095	63.4	63.4	63.4	63.4	59.1
		29.790001	9.17	121.4	—	2046	2504	2640	2464	75.2	73.6	75.2	75.2	78.6
		34.259998	10.54	118.6	—	2402	2705	3000	2802	80.9	73.6	86.4	86.4	96.2
		38.73	12.09	115.5	—	—	—	3400	—	—	—	—	—	109.0
	HC-95	23.09	6.98	125.7	—	—	—	2120	1910	—	—	57.3	57.3	53.4
139.7	HC-95	25.32	7.72	124.3	—	1744	2215	2330	2100	63.4	63.4	63.4	63.4	67.0
		29.790001	9.17	121.4	—	2144	2602	2740	2470	75.2	73.6	75.2	75.2	85.3
		34.259998	10.54	118.6	—	2518	2834	3120	2800	80.9	73.6	86.5	86.5	102.8
		38.73	12.09	115.5	—	—	—	3530	3180	—	—	99.2	99.2	117.8
	LT-95	23.09	6.98	125.7	—	—	—	2120	1910	—	—	57.3	57.3	37.1
		25.32	7.72	124.3	—	1744	2215	2330	2100	63.4	63.4	63.4	63.4	47.9
		29.790001	9.17	121.4	—	2144	2602	2740	2470	75.2	73.6	75.2	75.2	69.1
		34.259998	10.54	118.6	—	2518	2834	3120	2800	80.9	73.6	86.5	86.5	89.2
		38.73	12.09	115.5	—	—	—	3530	3180	—	—	99.2	99.2	103.6
	CR13,15-95	23.09	6.98	125.7	—	—	—	2120	1910	—	—	57.3	57.3	37.1
		25.32	7.72	124.3	—	—	—	2330	2100	—	—	63.4	63.4	47.9
		29.790001	9.17	121.4	—	—	—	2740	2470	—	—	75.2	75.2	69.1
		34.259998	10.54	118.6	—	—	—	3120	2800	—	—	86.5	86.5	89.2
		38.73	12.09	115.5	—	—	—	3530	3180	—	—	99.2	99.2	103.6
	P-110	23.09	6.98	125.7	—	—	—	2420	2210	—	—	66.4	66.4	38.8
		25.32	7.72	124.3	—	1979	2527	2660	2430	73.4	73.4	73.4	73.4	51.6
		29.790001	9.17	121.4	—	2438	2967	3130	2850	87.1	85.2	87.2	87.2	76.6
		34.259998	10.54	118.6	—	2860	3221	3560	3250	90.7	85.2	100.2	100.2	100.3
		38.73	12.09	115.5	—	—	—	4030	3680	—	—	114.9	114.9	119.9
	HC-110	23.09	6.98	125.7	—	—	—	2420	2210	—	—	66.4	66.4	56.4
139.7	HC-110	25.32	7.72	124.3	—	1979	2527	2660	2430	73.4	73.4	73.4	73.4	73.8
		29.790001	9.17	121.4	—	2438	2967	3130	2850	87.1	85.2	87.2	87.2	97.4
		34.259998	10.54	118.6	—	2860	3221	3560	3250	90.7	85.2	100.2	100.2	113.5
		38.73	12.09	115.5	—	—	—	4030	3680	—	—	114.9	114.9	128.7
	LT-110	23.09	6.98	125.7	—	—	—	2420	2210	—	—	66.4	66.4	38.8
		25.32	7.72	124.3	—	1979	2527	2660	2430	73.4	73.4	73.4	73.4	51.6
		29.790001	9.17	121.4	—	2438	2967	3130	2850	87.1	85.2	87.2	87.2	76.6
		34.259998	10.54	118.6	—	2860	3221	3560	3250	90.7	85.2	100.2	100.2	100.3
		38.73	12.09	115.5	—	—	—	4030	3680	—	—	114.9	114.9	119.9
	CR22-110	23.09	6.98	125.7	—	—	—	2420	2210	—	—	66.4	66.4	38.8
		25.32	7.72	124.3	—	—	—	2660	2430	—	—	73.4	73.4	51.6
		29.790001	9.17	121.4	—	—	—	3130	2850	—	—	87.2	87.2	76.6
		34.259998	10.54	118.6	—	—	—	3560	3250	—	—	100.2	100.2	100.3
		38.73	12.09	115.5	—	—	—	4030	3680	—	—	114.9	114.9	119.9
	Q-125	23.09	6.98	125.7	—	—	—	2640	2510	—	—	75.4	75.4	40.6
		25.32	7.72	124.3	—	—	—	2900	2760	—	—	83.4	83.4	54.4
		29.790001	9.17	121.4	—	2633	3238	3410	3240	90.7	96.9	99.0	99.0	83.4
		34.259998	10.54	118.6	—	3087	3479	3880	3690	90.7	96.9	113.8	113.8	110.7

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度				管体抗拉强度 KN	抗内压				抗挤强度 MPa
					园扣		偏梯扣 KN	3SB接头 KN		园扣 MPa	偏梯扣 MPa	3SB接头 MPa	管体 MPa	
					短园 KN	长园 KN								
		38.73	12.09	115.5	—	—	—	4400	4180	—	—	130.5	130.5	136.2
	NK-125	23.09	6.98	125.7	—	—	—	2640	2510	—	—	75.4	75.4	40.6
139.7	NK-125	25.32	7.72	124.3	—	—	—	2900	2760	—	—	83.4	83.4	54.4
		29.790001	9.17	121.4	—	2633	3238	3410	3240	90.7	96.9	99.0	99.0	83.4
		34.259998	10.54	118.6	—	3087	3479	3880	3690	90.7	96.9	113.8	113.8	110.7
		38.73	12.09	115.5	—	—	—	4400	4180	—	—	130.5	130.5	136.2
	HC-125	23.09	6.98	125.7	—	—	—	2640	2510	—	—	75.4	75.4	57.0
		25.32	7.72	124.3	—	—	—	2900	2760	—	—	83.4	83.4	74.6
		29.790001	9.17	121.4	—	2633	3238	3410	3240	90.7	96.9	99.0	99.0	100.3
		34.259998	10.54	118.6	—	3087	3479	3880	3690	90.7	96.9	113.8	113.8	120.2
		38.73	12.09	115.5	—	—	—	4400	4180	—	—	130.5	130.5	136.2
	LT-125	23.09	6.98	125.7	—	—	—	2640	2510	—	—	75.4	75.4	40.6
		25.32	7.72	124.3	—	—	—	2900	2760	—	—	83.4	83.4	54.4
		29.790001	9.17	121.4	—	2633	3238	3410	3240	90.7	96.9	99.0	99.0	83.4
		34.259998	10.54	118.6	—	3087	3479	3880	3690	90.7	96.9	113.8	113.8	110.7
		38.73	12.09	115.5	—	—	—	4400	4180	—	—	130.5	130.5	136.2
	CR22-125	23.09	6.98	125.7	—	—	—	2640	2510	—	—	75.4	75.4	40.6
		25.32	7.72	124.3	—	—	—	2900	2760	—	—	83.4	83.4	54.4
		29.790001	9.17	121.4	—	—	—	3410	3240	—	—	99.0	99.0	83.4
		34.259998	10.54	118.6	—	—	—	3880	3690	—	—	113.8	113.8	110.7
		38.73	12.09	115.5	—	—	—	4400	4180	—	—	130.5	130.5	136.2
	CR22-140	23.09	6.98	125.7	—	—	—	2860	2810	—	—	84.5	84.5	42.5
139.7	CR22-140	25.32	7.72	124.3	—	—	—	3150	3090	—	—	93.4	93.4	56.3
		29.790001	9.17	121.4	—	—	—	3700	3630	—	—	110.9	110.9	89.3
		34.259998	10.54	118.6	—	—	—	4200	4130	—	—	127.5	127.5	120.5
		38.73	12.09	115.5	—	—	—	4760	4680	—	—	146.2	146.2	152.7
	NK-140	23.09	6.98	125.7	—	—	—	2940	2810	—	—	84.5	84.5	42.5
		25.32	7.72	124.3	—	—	—	3230	3090	—	—	93.4	93.4	56.3
		29.790001	9.17	121.4	—	2922	3603	3800	3630	90.7	108.5	110.9	110.9	89.3
		34.259998	10.54	118.6	—	3434	3866	4320	4130	90.7	108.5	127.5	127.5	120.5
		38.73	12.09	115.5	—	—	—	4890	4680	—	—	146.2	146.2	152.7
	HC-140	23.09	6.98	125.7	—	—	—	2940	2810	—	—	84.5	84.5	58.2
		25.32	7.72	124.3	—	—	—	3230	3090	—	—	93.4	93.4	77.4
		29.790001	9.17	121.4	—	2922	3603	3800	3630	90.7	108.5	110.9	110.9	105.4
		34.259998	10.54	118.6	—	3434	3866	4320	4130	90.7	108.5	127.5	127.5	131.6
		38.73	12.09	115.5	—	—	—	4890	4680	—	—	146.2	146.2	152.6
	V-150	23.09	6.98	125.7	—	—	—	3140	3010	—	—	90.5	90.5	43.6
		25.32	7.72	124.3	—	—	—	3450	3310	—	—	100.0	100.0	57.2
		29.790001	9.17	121.4	—	—	—	4050	3890	—	—	118.8	118.8	92.9
		34.259998	10.54	118.6	—	—	—	4610	4430	—	—	136.6	136.6	126.8
		38.73	12.09	115.5	—	—	—	5230	5020	—	—	156.7	156.7	163.5
177.8	J-55	34.259998	8.05	161.7	1263	1392	1922	2020	1630	30.1	30.1	30.1	30.1	22.5
177.8	J-55	38.73	9.19	159.4	1486	1632	2180	2300	1850	34.3	34.3	34.3	34.3	29.9
		43.2	10.36	157.1	—	—	—	2570	2070	—	—	38.7	38.7	37.3
		47.66	11.51	154.8	—	—	—	2830	2280	—	—	43.0	43.0	44.5
		52.130001	12.65	152.5	—	—	—	3090	2490	—	—	47.2	47.2	51.9
		56.6	13.72	150.4	—	—	—	3330	2680	—	—	51.2	51.2	54.0
		61.07	14.99	147.8	—	—	—	3610	2910	—	—	55.9	55.9	58.5
	K-55	34.259998	8.05	161.7	1375	1517	2322	2440	1630	30.1	30.1	30.1	30.1	22.5
		38.73	9.19	159.4	1619	1784	2633	2770	1850	34.3	34.3	34.3	34.3	29.9
		43.200001	10.36	157.1	—	—	—	3100	2070	—	—	38.7	38.7	37.3
		47.66	11.51	154.8	—	—	—	3420	2280	—	—	43.0	43.0	44.5
		52.130001	12.65	152.5	—	—	—	3740	2490	—	—	47.2	47.2	51.9
		56.599998	13.72	150.4	—	—	—	4020	2680	—	—	51.2	51.2	54.0
		61.07	14.99	147.8	—	—	—	4360	2910	—	—	55.9	55.9	58.5
	L-80	34.259998	8.05	161.7	—	1935	2513	2650	2370	43.7	43.7	43.7	43.7	26.4
		38.73	9.19	159.4	—	2273	2851	3010	2690	49.9	49.9	49.9	49.9	37.3
		43.200001	10.36	157.1	—	2611	3194	3360	3010	56.3	56.3	56.3	56.3	48.5
		47.66	11.51	154.8	—	2940	3519	3710	3320	62.5	58.3	62.5	62.5	59.4

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 3SB接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 3SB接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
		52.130001	12.65	152.5	—	3265	3705	4050	3620	63.7	58.3	68.7	68.7	70.3
		56.599998	13.72	150.4	—	3563	3705	4360	3900	63.7	58.3	74.5	74.5	78.5
		61.07	14.99	147.8	—	—	—	4730	4230	—	—	81.4	81.4	85.2
177.8	N-80	34.259998	8.05	161.7	—	1966	2616	2750	2370	43.7	43.7	43.7	43.7	26.4
		38.73	9.19	159.4	—	2309	2967	3120	2690	49.9	49.9	49.9	49.9	37.3
		43.200001	10.36	157.1	—	2656	3318	3500	3010	56.3	56.3	56.3	56.3	48.5
		47.66	11.51	154.8	—	2989	3661	3860	3320	62.5	58.3	62.5	62.5	59.4
		52.130001	12.65	152.5	—	3318	3897	4210	3620	63.7	58.3	68.7	68.7	70.3
		56.599998	13.72	150.4	—	3621	3897	4540	3900	63.7	58.3	74.5	74.5	78.5
		61.07	14.99	147.8	—	—	—	4920	4230	—	—	81.4	81.4	85.2
	AC-80	34.259998	8.05	161.7	—	1966	2616	2750	2370	43.7	43.7	43.7	43.7	26.4
		38.73	9.19	159.4	—	2309	2967	3120	2690	49.9	49.9	49.9	49.9	37.3
		43.200001	10.36	157.1	—	2656	3318	3500	3010	55.8	55.8	56.3	56.3	48.5
		47.66	11.51	154.8	—	2989	3661	3860	3320	62.5	58.3	62.5	62.5	59.4
		52.130001	12.65	152.5	—	3318	3897	4210	3620	63.7	58.3	68.7	68.7	70.3
		56.599998	13.72	150.4	—	3621	3897	4540	3900	63.7	58.3	74.5	74.5	78.5
		61.07	14.99	147.8	—	—	—	4920	4230	—	—	81.4	81.4	85.2
	AC-80T	34.259998	8.05	161.7	—	1966	2616	2750	2370	43.7	43.7	43.7	43.7	37.9
		38.73	9.19	159.4	—	2309	2967	3120	2690	49.9	49.9	49.9	49.9	48.4
		43.200001	10.36	157.1	—	2656	3318	3500	3010	56.3	56.3	56.3	56.3	59.2
		47.66	11.51	154.8	—	2989	3661	3860	3320	62.5	58.3	62.5	62.5	69.6
		52.130001	12.65	152.5	—	3318	3897	4210	3620	63.7	58.3	68.7	68.7	80.2
		56.599998	13.72	150.4	—	3621	3897	4540	3900	63.7	58.3	74.5	74.5	87.6
177.8	AC-80T	61.07	14.99	147.8	—	—	—	4920	4230	—	—	81.4	81.4	94.9
	HC-80	34.259998	8.05	161.7	—	1966	2616	2750	2370	43.7	43.7	43.7	43.7	37.9
		38.73	9.19	159.4	—	2309	2967	3120	2690	49.9	49.9	49.9	49.9	48.4
		43.200001	10.36	157.1	—	2656	3318	3500	3010	56.3	56.3	56.3	56.3	59.2
		47.66	11.51	154.8	—	2989	3661	3860	3320	62.5	58.3	62.5	62.5	69.6
		52.130001	12.65	152.5	—	3318	3897	4210	3620	63.7	58.3	68.7	68.7	80.2
		56.599998	13.72	150.4	—	3621	3897	4540	3900	63.7	58.3	74.5	74.5	87.6
		61.07	14.99	147.8	—	—	—	4920	4230	—	—	81.4	81.4	94.9
	CR13,15, 25-80	34.259998	8.05	161.7	—	—	—	2750	2370	—	—	43.7	43.7	26.4
		38.73	9.19	159.4	—	—	—	3120	2690	—	—	49.9	49.9	37.3
		43.200001	10.36	157.1	—	—	—	3500	3010	—	—	56.3	56.3	48.5
		47.66	11.51	154.8	—	—	—	3860	3320	—	—	62.5	62.5	59.4
		52.130001	12.65	152.5	—	—	—	4210	3620	—	—	68.7	68.7	70.3
		56.599998	13.72	150.4	—	—	—	4540	3900	—	—	74.5	74.5	78.5
		61.07	14.99	147.8	—	—	—	4920	4230	—	—	81.4	81.4	85.2
	AC-85	34.259998	8.05	161.7	—	2051	2651	—	2518	46.5	46.5	46.5	46.5	26.9
		38.73	9.19	159.4	—	2406	3011	—	2856	53.0	53.0	53.0	53.0	38.5
		43.200001	10.36	157.1	—	2767	3367	—	3194	59.8	59.8	60.0	60.0	50.4
		47.66	11.51	154.8	—	3118	3714	—	3523	65.6	62.0	66.4	66.4	62.1
		52.130001	12.65	152.5	—	3461	3897	—	3848	65.6	62.0	73.0	73.0	73.7
177.8	AC-85	56.599998	13.72	150.4	—	3777	3897	—	4146	65.6	62.0	79.2	79.2	83.4
		61.07	14.99	147.8	—	—	—	—	4493	—	—	86.5	86.5	90.5
	C-90	34.259998	8.05	161.7	—	2131	2691	2840	2670	49.2	49.2	49.2	49.2	27.8
		38.73	9.19	159.4	—	2504	3056	3220	3020	56.2	56.2	56.2	56.2	39.6
		43.200001	10.36	157.1	—	2882	3416	3600	3390	63.3	63.3	63.3	63.3	52.3
		47.66	11.51	154.8	—	3243	3768	3970	3730	65.6	65.6	70.3	70.3	64.6
		52.130001	12.65	152.5	—	3599	3897	4340	4080	65.6	65.6	77.3	77.3	77.0
		56.599998	13.72	150.4	—	3928	3897	4670	4390	65.6	65.6	83.8	83.8	88.3
		61.07	14.99	147.8	—	—	—	5060	4760	—	—	91.6	91.6	95.8
	AC-90	34.259998	8.05	161.7	—	2148	2753	2900	2670	49.2	49.2	49.2	49.2	27.8
		38.73	9.19	159.4	—	2527	3123	3290	3020	56.2	56.2	56.2	56.2	39.6
		43.200001	10.36	157.1	—	2905	3492	3680	3390	63.3	63.3	63.3	63.3	52.3
		47.66	11.51	154.8	—	3274	3852	4060	3730	65.6	65.6	70.3	70.3	64.6
		52.130001	12.65	152.5	—	3634	4017	4430	4080	65.6	65.6	77.3	77.3	77.0
		56.599998	13.72	150.4	—	3963	4017	4770	4390	65.6	65.6	83.8	83.8	88.3
		61.07	14.99	147.8	—	—	—	5180	4760	—	—	91.6	91.6	95.8

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 3SB接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 3SB接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
	C-95	34.259998	8.05	161.7	—	2246	2829	2980	2820	51.9	51.9	51.9	51.9	28.6
		38.73	9.19	159.4	—	2638	3212	3380	3190	59.3	59.3	59.3	59.3	40.6
		43.200001	10.36	157.1	—	3038	3594	3790	3570	65.6	66.8	66.8	66.8	54.1
		47.66	11.51	154.8	—	3416	3963	4180	3940	65.6	69.3	74.2	74.2	67.2
	C-95	52.130001	12.65	152.5	—	3794	4092	4560	4300	65.6	69.3	81.6	81.6	80.3
		56.599998	13.72	150.4	—	4141	4092	4910	4640	65.6	69.3	88.5	88.5	92.6
		61.07	14.99	147.8	—	—	—	5320	5030	—	—	96.6	96.6	101.1
	T-95	34.259998	8.05	161.7	—	2246	2829	2980	2820	51.9	51.9	51.9	51.9	28.6
		38.73	9.19	159.4	—	2638	3212	3380	3190	59.3	59.3	59.3	59.3	40.6
		43.200001	10.36	157.1	—	3038	3594	3790	3570	65.6	66.8	66.8	66.8	54.1
		47.66	11.51	154.8	—	3416	3963	4180	3940	65.6	69.3	74.2	74.2	67.2
		52.130001	12.65	152.5	—	3794	4092	4560	4300	65.6	69.3	81.6	81.6	80.3
		56.599998	13.72	150.4	—	4141	4092	4910	4640	65.6	69.3	88.5	88.5	92.6
177.8		61.07	14.99	147.8	—	—	—	5320	5030	—	—	96.6	96.6	101.1
	AC-95	34.259998	8.05	161.7	—	2246	2829	2980	2820	51.9	51.9	51.9	51.9	28.6
		38.73	9.19	159.4	—	2638	3212	3380	3190	59.3	59.3	59.3	59.3	40.6
		43.200001	10.36	157.1	—	3038	3594	3790	3570	65.6	66.8	66.8	66.8	54.1
		47.66	11.51	154.8	—	3416	3963	4180	3940	65.6	69.3	74.2	74.2	67.2
		52.130001	12.65	152.5	—	3794	4092	4560	4300	65.6	69.3	81.6	81.6	80.3
		56.599998	13.72	150.4	—	4141	4092	4910	4640	65.6	69.3	88.5	88.5	92.6
		61.07	14.99	147.8	—	—	—	5320	5030	—	—	96.6	96.6	101.1
	AC-100SS	34.259998	8.05	161.7	—	—	—	3020	—	—	—	—	—	—
		38.73	9.19	159.4	—	2660	3256	3430	3360	62.4	62.4	62.4	62.4	41.5
		43.200001	10.36	157.1	—	3060	3643	3840	3760	65.6	70.3	70.3	70.3	55.8
	AC-110SS	47.66	11.51	154.8	—	3447	4017	4230	4150	65.6	72.9	78.0	78.0	69.7
		52.130001	12.65	152.5	—	3825	4092	4620	4520	65.6	72.9	85.8	85.8	83.6
		56.599998	13.72	150.4	—	4172	4092	4980	4875	65.6	72.9	93.0	93.0	96.6
		61.07	14.99	147.8	—	—	—	5400	5284	—	—	101.7	101.7	106.5
	AC-105	34.259998	8.05	161.7	—	—	—	—	—	—	—	—	—	—
		38.73	9.19	159.4	—	2789	3412	—	3527	65.5	65.5	65.5	65.5	42.3
		43.200001	10.36	157.1	—	3207	3821	—	3945	65.6	73.8	73.8	73.8	57.3
		47.66	11.51	154.8	—	3612	4212	—	4350	65.6	76.6	82.0	82.0	72.1
		52.130001	12.65	152.5	—	4008	4288	—	4750	65.6	76.6	90.1	90.1	86.7
177.8		56.599998	13.72	150.4	—	4373	4288	—	5120	65.6	76.6	97.8	97.8	100.4
		61.07	14.99	147.8	—	—	—	—	5551	—	—	106.8	106.8	111.8
	AC-95T	34.259998	8.05	161.7	—	2246	2829	2980	2810	51.9	51.9	51.9	51.9	40.3
		38.73	9.19	159.4	—	2638	3212	3380	3190	59.3	59.3	59.2	59.2	52.4
		43.200001	10.36	157.1	—	3038	3594	3790	3570	65.6	66.8	66.8	66.8	64.8
		47.66	11.51	154.8	—	3416	3963	4180	3940	65.6	69.3	74.2	74.2	76.9
		52.130001	12.65	152.5	—	3794	4092	4560	4300	65.6	69.3	81.6	81.6	89.0
		56.599998	13.72	150.4	—	4141	4092	4910	4630	65.6	69.3	88.5	88.5	98.1
		61.07	14.99	147.8	—	—	—	5320	—	—	—	—	—	106.4
	HC-95	34.259998	8.05	161.7	—	2277	2931	3090	2820	51.9	51.9	51.9	51.9	41.5
		38.73	9.19	159.4	—	2678	3323	3500	3190	59.3	59.3	59.3	59.3	58.3
	HC-95	43.200001	10.36	157.1	—	3078	3719	3920	3570	65.6	66.8	66.8	66.8	72.3
		47.66	11.51	154.8	—	3465	4101	4320	3940	65.6	69.3	74.2	74.2	83.7
		52.130001	12.65	152.5	—	3848	4288	4720	4300	65.6	69.3	81.6	81.6	95.1
		56.599998	13.72	150.4	—	4199	4288	5080	4640	65.6	69.3	88.5	88.5	105.8
		61.07	14.99	147.8	—	—	—	5510	5030	—	—	96.6	96.6	114.9
	LT-95	34.259998	8.05	161.7	—	2277	2931	3090	2820	51.9	51.9	51.9	51.9	28.6
		38.73	9.19	159.4	—	2678	3323	3500	3190	59.3	59.3	59.3	59.3	40.6
		43.200001	10.36	157.1	—	3078	3719	3920	3570	65.6	66.8	66.8	66.8	54.1
		47.66	11.51	154.8	—	3465	4101	4320	3940	65.6	69.3	74.2	74.2	67.2
		52.130001	12.65	152.5	—	3848	4288	4720	4300	65.6	69.3	81.6	81.6	80.3
177.8		56.599998	13.72	150.4	—	4199	4288	5080	4640	65.6	69.3	88.5	88.5	92.6
		61.07	14.99	147.8	—	—	—	5510	5030	—	—	96.6	96.6	101.1
		34.259998	8.05	161.7	—	—	—	3090	2820	—	—	51.9	51.9	28.6
		38.73	9.19	159.4	—	—	—	3500	3190	—	—	59.3	59.3	40.6
		43.200001	10.36	157.1	—	—	—	3920	3570	—	—	66.8	66.8	54.1

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短园 KN	连接强度 园扣 长园 KN	连接强度 偏梯扣 KN	连接强度 3SB接头 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗内压 3SB接头 MPa	抗内压 管体 MPa	抗挤强度 MPa
	CR13,15-95	47.66	11.51	154.8	—	—	—	4320	3940	—	—	74.2	74.2	67.2
		52.130001	12.65	152.5	—	—	—	4720	4300	—	—	81.6	81.6	80.3
		56.599998	13.72	150.4	—	—	—	5080	4640	—	—	88.5	88.5	92.6
		61.07	14.99	147.8	—	—	—	5510	5030	—	—	96.6	96.6	101.1
		—	—	—	—	—	—	—	—	—	—	—	—	—
		34.259998	8.05	161.7	—	—	—	3320	—	—	—	—	—	—
		38.73	9.19	159.4	—	—	—	3760	—	—	—	—	—	—
	NIC25,	43.200001	10.36	157.1	—	—	—	4210	—	—	—	—	—	—
		47.66	11.51	154.8	—	—	—	4640	—	—	—	—	—	—
	32,42-110	52.130001	12.65	152.5	—	—	—	5070	—	—	—	—	—	—
		56.599998	13.72	150.4	—	—	—	5460	—	—	—	—	—	—
		61.07	14.99	147.8	—	—	—	5920	—	—	—	—	—	—
		34.259998	8.05	161.7	—	—	—	3530	3260	—		60.1	60.1	30.6
		38.73	9.19	159.4	—	3083	3794	4000	3700	65.6	68.7	68.7	68.7	43.0
177.8		43.200001	10.36	157.1	—	3545	4248	4480	4140	65.6	77.4	77.4	77.4	58.8
	P-110	47.66	11.51	154.8	—	3990	4684	4940	4560	65.6	80.3	85.9	85.9	74.3
		52.130001	12.65	152.5	—	4430	4875	5390	4980	65.6	80.3	94.5	94.5	89.8
		56.599998	13.72	150.4	—	4835	4875	5800	5370	65.6	80.3	102.4	102.4	104.3
		61.07	14.99	147.8	—	—	—	6290	5820	—	—	111.9	111.9	117.1
		34.259998	8.05	161.7	—	—	—	3530	3260	—	—	60.1	60.1	43.8
		38.73	9.19	159.4	—	3083	3794	4000	3700	65.6	68.7	68.7	68.7	61.7
	HC-110	43.200001	10.36	157.1	—	3545	4248	4480	4140	65.6	77.4	77.4	77.4	80.7
		47.66	11.51	154.8	—	3990	4684	4940	4560	65.6	80.3	85.9	85.9	95.3
		52.130001	12.65	152.5	—	4430	4875	5390	4980	65.6	80.3	94.5	94.5	107.5
		56.599998	13.72	150.4	—	4835	4875	5800	5370	65.6	80.3	102.4	102.4	115.8
	HC-110	61.07	14.99	147.8	—	—	—	6290	5820	—	—	111.9	111.9	125.6
		34.259998	8.05	161.7	—	—	—	3530	3260	—	—	60.1	60.1	30.6
		38.73	9.19	159.4	—	3083	3794	4000	3700	65.6	68.7	68.7	68.7	43.0
	LT-110	43.200001	10.36	157.1	—	3545	4248	4480	4140	65.6	77.4	77.4	77.4	58.8
		47.66	11.51	154.8	—	3990	4684	4940	4560	65.6	80.3	85.9	85.9	74.3
		52.130001	12.65	152.5	—	4430	4875	5390	4980	65.6	80.3	94.5	94.5	89.8
		56.599998	13.72	150.4	—	4835	4875	5800	5370	65.6	80.3	102.4	102.4	104.3
		61.07	14.99	147.8	—	—	—	6290	5820	—	—	111.9	111.9	117.1
		34.259998	8.05	161.7	—	—	—	3530	3260	—	—	60.1	60.1	30.6
		38.73	9.19	159.4	—	—	—	4000	3700	—	—	68.7	68.7	43.0
177.8		43.200001	10.36	157.1	—	—	—	4480	4140	—	—	77.4	77.4	58.8
	CR22-110	47.66	11.51	154.8	—	—	—	4940	4560	—	—	85.9	85.9	74.3
		52.130001	12.65	152.5	—	—	—	5390	4980	—	—	94.5	94.5	89.8
		56.599998	13.72	150.4	—	—	—	5800	5370	—	—	102.4	102.4	104.3
		61.07	14.99	147.8	—	—	—	6290	5820	—	—	111.9	111.9	117.1
		34.259998	8.05	161.7	—	—	—	3860	3700	—	—	68.3	68.3	32.1
		38.73	9.19	159.4	—	—	—	4380	4200	—	—	78.0	78.0	44.5
	Q-125	43.200001	10.36	157.1	—	—	—	4900	4700	—	—	87.9	87.9	62.8
		47.66	11.51	154.8	—	—	—	5400	5190	—	—	97.6	97.6	80.7
		52.130001	12.65	152.5	—	4920	5262	5900	5660	65.6	81.3	107.3	107.3	98.7
	Q-125	56.599998	13.72	150.4	—	5369	5262	6350	6100	65.6	81.3	116.4	116.4	115.4
		61.07	14.99	147.8	—	—	—	6890	6610	—	—	127.1	127.1	133.1
		34.259998	8.05	161.7	—	—	—	3860	3700	—	—	68.3	68.3	32.1
		38.73	9.19	159.4	—	—	—	4380	4200	—	—	78.0	78.0	44.5
	NK-125	43.200001	10.36	157.1	—	—	—	4900	4700	—	—	87.9	87.9	62.8
		47.66	11.51	154.8	—	—	—	5400	5190	—	—	97.6	97.6	80.7
		52.130001	12.65	152.5	—	4920	5262	5900	5660	65.6	81.3	107.3	107.3	98.7
		56.599998	13.72	150.4	—	5369	5262	6350	6100	65.6	81.3	116.4	116.4	115.4
		61.07	14.99	147.8	—	—	—	6890	6610	—	—	127.1	127.1	133.1
		34.259998	8.05	161.7	—	—	—	3860	3700	—	—	68.3	68.3	44.2
177.8		38.73	9.19	159.4	—	—	—	4380	4200	—	—	78.0	78.0	62.3
	HC-125	43.200001	10.36	157.1	—	—	—	4900	4700	—	—	87.9	87.9	83.1
		47.66	11.51	154.8	—	—	—	5400	5190	—	—	97.6	97.6	98.1
		52.130001	12.65	152.5	—	4920	5262	5900	5660	65.6	81.3	107.3	107.3	113.1

日本钢管(NKK)API园螺纹及3SB扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度				管体抗拉强度 KN	抗内压				抗挤强度 MPa
					园扣		偏梯扣 KN	3SB接头 KN		园扣 MPa	偏梯扣 MPa	3SB接头 MPa	管体 MPa	
					短园 KN	长园 KN								
		56.599998	13.72	150.4	—	5369	5262	6350	6100	65.6	81.3	116.4	116.4	122.7
		34.259998	8.05	161.7	—	—	—	3860	3700	—	—	68.3	68.3	32.1
		38.73	9.19	159.4	—	—	—	4380	4200	—	—	78.0	78.0	44.5
	LT-125	43.200001	10.36	157.1	—	—	—	4900	4700	—	—	87.9	87.9	62.8
		47.66	11.51	154.8	—	—	—	5400	5190	—	—	97.6	97.6	80.7
		52.130001	12.65	152.5	—	4920	5262	5900	5660	65.6	81.3	107.3	107.3	98.7
	LT-125	56.599998	13.72	150.4	—	5369	5262	6350	6100	65.6	81.3	116.4	116.4	115.4
		34.259998	8.05	161.7	—	—	—	3860	3700	—	—	68.3	68.3	32.1
		38.73	9.19	159.4	—	—	—	4380	4200	—	—	78.0	78.0	44.5
	CR22-125	43.200001	10.36	157.1	—	—	—	4900	4700	—	—	87.9	87.9	62.8
		47.66	11.51	154.8	—	—	—	5400	5190	—	—	97.6	97.6	80.7
		52.130001	12.65	152.5	—	—	—	5900	5660	—	—	107.3	107.3	98.7
		56.599998	13.72	150.4	—	—	—	6350	6100	—	—	116.4	116.4	115.4
		34.259998	8.05	161.7	—	—	—	4190	4150	—	—	76.5	76.5	32.8
		38.73	9.19	159.4	—	—	—	4750	4710	—	—	87.4	87.4	46.1
177.8		43.200001	10.36	157.1	—	—	—	5320	5270	—	—	98.5	98.5	65.9
	CR22-140	47.66	11.51	154.8	—	—	—	5870	5810	—	—	109.4	109.4	86.4
		52.130001	12.65	152.5	—	—	—	6410	6340	—	—	120.2	120.2	106.8
		56.599998	13.72	150.4	—	—	—	6900	6830	—	—	130.3	130.3	125.9
		61.07	14.99	147.8	—	—	—	7480	7410	—	—	142.4	142.4	148.7
		34.259998	8.05	161.7	—	—	—	4300	4150	—	—	76.5	76.5	32.8
		38.73	9.19	159.4	—	—	—	4870	4710	—	—	87.4	87.4	46.1
	NK-140	43.200001	10.36	157.1	—	—	—	5450	5270	—	—	98.5	98.5	65.9
		47.66	11.51	154.8	—	—	—	6010	5810	—	—	109.4	109.4	86.4
		52.130001	12.65	152.5	—	5467	5849	6570	6340	65.6	81.3	120.2	120.2	106.8
		56.599998	13.72	150.4	—	5965	5849	7070	6830	65.6	81.3	130.3	130.3	125.9
		34.259998	8.05	161.7	—	—	—	4300	4150	—	—	76.5	76.5	44.3
		38.73	9.19	159.4	—	—	—	4870	4710	—	—	87.4	87.4	64.0
	HC-140	43.200001	10.36	157.1	—	—	—	5450	5270	—	—	98.5	98.5	85.7
		47.66	11.51	154.8	—	—	—	6010	5810	—	—	109.4	109.4	102.9
		52.130001	12.65	152.5	—	5467	5849	6570	6340	65.6	81.3	120.2	120.2	120.1
177.8		56.599998	13.72	150.4	—	5965	5849	7070	6830	65.6	81.3	130.3	130.3	136.2
		34.259998	8.05	161.7	—	—	—	4590	4440	—	—	82.0	82.0	33.0
		38.73	9.19	159.4	—	—	—	5200	5040	—	—	93.6	93.6	47.2
	V-150	43.200001	10.36	157.1	—	—	—	5820	5640	—	—	105.5	105.5	67.6
		47.66	11.51	154.8	—	—	—	6420	6220	—	—	117.1	117.1	89.8
		52.130001	12.65	152.5	—	5827	6236	7010	6790	65.6	81.3	128.8	128.8	111.9
		56.599998	13.72	150.4	—	6361	6236	7550	7320	65.6	81.3	139.6	139.6	132.6

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压		抗挤强度 MPa
					园扣		偏梯扣		园扣	偏梯扣	
					短扣 KN	长扣 KN	KN		MPa	MPa	
114.3	N-80	22.47	8.56	97.18	—	1446	1784	1570	72.3	67.5	76.4
	L-80	22.47	8.56	97.18	—	1370	1708	1570	72.3	67.5	76.4
	C-90	22.47	8.56	83.46	—	1446	1815	1766	81.4	76.0	84.3
	C-95	22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
	T-95	17.26	6.35	101.6	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
	NKAC-80	17.26	6.35	101.6	—	992	1352	1188	53.6	53.6	43.9
		20.09	7.37	99.57	—	1201	1552	1366	62.2	62.2	58.9
		22.47	8.56	97.18	—	1446	1784	1570	72.3	67.5	76.4
	NKAC-85	17.26	6.35	101.6	—	992	1361	1263	57.0	57.0	45.5
		20.09	7.37	99.57	—	1201	1566	1450	66.1	66.1	61.6
		22.47	8.56	97.18	—	1446	1802	1668	76.8	71.7	80.5
	NKAC-90	17.26	6.35	101.6	—	1023	1410	1334	60.3	60.3	47.0
		20.09	7.37	99.57	—	1237	1619	1535	70.0	70.0	64.1
		22.47	8.56	97.18	—	1486	1864	1766	81.4	76.0	84.3
	NKAC-95	17.26	6.35	101.6	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
	NKAC-100SS	17.26	6.35	101.6	—	1041	1459	1486	67.0	67.0	49.8
114.3	NKAC-100SS	20.09	7.37	99.57	—	1263	1677	1708	77.8	77.8	69.1
		22.47	8.56	97.18	—	1517	1926	1962	90.4	84.4	91.7
	NKAC-105	17.26	6.35	101.6	—	1090	1530	1557	70.4	70.4	51.1
		20.09	7.37	99.57	—	1321	1757	1793	81.6	81.6	71.4
		22.47	8.56	97.18	—	1588	2019	2060	94.9	88.6	95.3
	NKAC-80T	17.26	6.35	101.6	—	992	1352	1188	53.6	53.6	54.7
		20.09	7.37	99.57	—	1201	1552	1366	62.2	62.2	69.2
		22.47	8.56	97.18	—	1446	1784	1570	72.3	67.5	85.2
	NKAC-95T	17.26	6.35	101.6	—	1041	1446	1410	63.7	63.7	59.7
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	76.4
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	95.6
	NKHC-80	17.26	6.35	101.6	—	992	1352	1188	53.6	53.6	54.7
		20.09	7.37	99.57	—	1201	1552	1366	62.2	62.2	69.2
		22.47	8.56	97.18	—	1446	1784	1570	72.3	67.5	85.2
	NKHC-95	17.26	6.35	101.6	—	1090	1503	1410	63.7	63.7	67.4
		20.09	7.37	99.57	—	1321	1726	1619	73.8	73.8	83.2
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	101.8
	NKHC-110	17.26	6.35	101.6	—	1241	1713	1632	73.7	73.7	74.5
		20.09	7.37	99.57	—	1503	1971	1877	85.6	85.6	94.7
		22.47	8.56	97.18	—	1806	2264	2157	99.4	92.8	112.7
114.3	NKHC-125	22.47	8.56	97.18	—	1948	2464	2451	112.9	105.5	119.4
	NKHC-140	22.47	8.56	97.18	—	2166	2740	2745	123.6	118.2	130.2
	NKLT-95	17.26	6.35	101.6	—	1090	1503	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1321	1726	1619	70.1	70.1	66.6
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	88.0
	NKLT-110	17.26	6.35	101.6	—	1241	1713	1632	73.7	73.7	52.3
		20.09	7.37	99.57	—	1503	1971	1877	85.6	85.6	73.7
		22.47	8.56	97.18	—	1806	2264	2157	99.4	92.8	98.9
	NKLT-125	22.47	8.56	97.18	—	1948	2464	2451	112.9	105.5	109.1
	NK-125	22.47	8.56	97.18	—	1948	2464	2451	112.9	105.5	109.1
	NK-140	22.47	8.56	97.18	—	2166	2740	2745	123.6	118.2	118.7
	NKV-150	22.47	8.56	97.18	—	2309	2927	2940	123.6	119.8	124.9
127.0	T-95	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	82.9
		31.85	11.1	104.8	—	2291	2504	2647	88.5	81.2	104.5
		34.53	12.14	102.72	—	2522	2504	2869	88.5	81.2	113.3
		35.86	12.7	101.6	—	2647	2504	2989	88.5	81.2	117.9
		22.32	7.52	111.96	—	1383	1761	1557	57.2	57.2	50.0

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	NKAC-80	26.79	9.19	108.61	—	1761	2122	1877	69.9	68.3	72.4
		31.85	11.1	104.8	—	2180	2389	2229	74.5	68.3	88.0
	NKAC-80	34.53	12.14	102.72	—	2402	2389	2415	74.5	68.3	95.4
		35.86	12.7	101.6	—	2522	2389	2513	74.5	68.3	99.3
	NKAC-85	22.32	7.52	111.96	—	1383	1779	1655	60.7	60.7	52.1
		26.79	9.19	108.61	—	1761	2144	1993	74.3	72.6	76.0
		31.85	11.1	104.8	—	2180	2389	2366	79.2	72.6	93.5
		34.53	12.14	102.72	—	2402	2389	2567	79.2	72.6	101.4
		35.86	12.7	101.6	—	2522	2389	2673	79.2	72.6	105.5
	NKAC-90	22.32	7.52	111.96	—	1423	1842	1753	64.3	64.3	54.0
		26.79	9.19	108.61	—	1815	2220	2113	78.6	76.9	79.4
127.0		31.85	11.1	104.8	—	2246	2460	2509	83.9	76.9	99.0
		34.53	12.14	102.72	—	2478	2460	2718	83.9	76.9	107.3
		35.86	12.7	101.6	—	2598	2460	2829	83.9	76.9	111.7
	NKAC-95	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	82.9
		31.85	11.1	104.8	—	2291	2504	2647	88.5	81.2	104.5
		34.53	12.14	102.72	—	2522	2504	2869	88.5	81.2	113.3
		35.86	12.7	101.6	—	2647	2504	2989	88.5	81.2	117.9
	NKAC-100SS	22.32	7.52	111.96	—	1450	1908	1944	71.4	71.4	57.7
		26.79	9.19	108.61	—	1850	2300	2344	87.4	85.4	86.3
		31.85	11.1	104.8	—	2291	2504	2785	93.2	85.4	110.0
	NKAC-100SS	34.53	12.14	102.72	—	2522	2504	3020	93.2	85.4	119.2
		35.86	12.7	101.6	—	2647	2504	3145	93.2	85.4	124.1
	NKAC-105	22.32	7.52	111.96	—	1521	1997	2042	75.0	75.0	59.4
		26.79	9.19	108.61	—	1939	2411	2464	91.7	89.6	89.6
		31.85	11.1	104.8	—	2398	2624	2927	97.8	89.6	115.5
		34.53	12.14	102.72	—	2642	2624	3172	97.8	89.6	125.2
		35.86	12.7	101.6	—	2771	2624	3301	97.8	89.6	130.3
	NKAC-80T	22.32	7.52	111.96	—	1383	1761	1557	57.2	57.2	60.7
		26.79	9.19	108.61	—	1761	2122	1877	69.9	68.3	82.3
127.0		31.85	11.1	104.8	—	2180	2389	2229	74.5	68.3	98.1
		34.53	12.14	102.72	—	2402	2389	2415	74.5	68.3	106.3
		35.86	12.7	101.6	—	2522	2389	2513	74.5	68.3	110.7
	NKAC-95T	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	66.5
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	91.4
		31.85	11.1	104.8	—	2291	2504	2647	88.5	81.2	110.0
		34.53	12.14	102.72	—	2522	2504	2869	88.5	81.2	119.2
		35.86	12.7	101.6	—	2647	2504	2989	88.5	81.2	124.1
	NKHC-80	22.32	7.52	111.96	—	1383	1761	1557	57.2	57.2	60.7
		26.79	9.19	108.61	—	1761	2122	1877	69.9	68.3	82.3
		31.85	11.1	104.8	—	2180	2389	2229	74.5	68.3	98.1
	NKHC-80	34.53	12.14	102.72	—	2402	2389	2415	74.5	68.3	106.3
		35.86	12.7	101.6	—	2522	2389	2513	74.5	68.3	110.7
	NKHC-95	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	73.9
		26.79	9.19	108.61	—	1939	2366	2229	83.0	81.2	97.4
		31.85	11.1	104.8	—	2398	2624	2647	88.5	81.2	118.8
		34.53	12.14	102.72	—	2642	2624	2869	88.5	81.2	128.8
		35.86	12.7	101.6	—	2771	2624	2989	88.5	81.2	134.0
	NKHC-110	22.32	7.52	111.96	—	1726	2237	2140	78.6	78.6	82.8
		26.79	9.19	108.61	—	2202	2696	2580	96.1	93.9	109.3
127.0		31.85	11.1	104.8	—	2727	2985	3065	102.5	93.9	129.8
		34.53	12.14	102.72	—	3003	2985	3323	102.5	93.9	140.7
		35.86	12.7	101.6	—	3149	2985	3461	102.5	93.9	146.4
	NKHC-125	22.32	7.52	111.96	—	1868	2438	2433	89.3	89.3	85.3
		26.79	9.19	108.61	—	2380	2940	2931	109.2	106.7	115.8
		31.85	11.1	104.8	—	2945	3221	3483	110.3	106.7	137.5
		34.53	12.14	102.72	—	3243	3221	3777	110.3	106.7	149.1

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		35.86	12.7	101.6	—	3403	3221	3932	110.3	106.7	155.1
	NKHC-140	22.32	7.52	111.96	—	2073	2713	2722	100.0	100.0	88.2
		26.79	9.19	108.61	—	2642	3269	3283	110.3	119.6	123.5
		31.85	11.1	104.8	—	3269	3581	3901	110.3	119.6	154.0
	NKHC-140	34.53	12.14	102.72	—	3603	3581	4230	110.3	119.6	166.9
		35.86	12.7	101.6	—	3781	3581	4404	110.3	119.6	173.7
	NKLT-95	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1939	2366	2229	83.0	81.2	82.9
		31.85	11.1	104.8	—	2398	2624	2647	88.5	81.2	104.5
		34.53	12.14	102.72	—	2642	2624	2869	88.5	81.2	113.3
		35.86	12.7	101.6	—	2771	2624	2989	88.5	81.2	117.9
	NKLT-110	22.32	7.52	111.96	—	1726	2237	2140	78.6	78.6	61.0
		26.79	9.19	108.61	—	2202	2696	2580	96.1	93.9	92.9
127.0		31.85	11.1	104.8	—	2727	2985	3065	102.5	93.9	121.0
		34.53	12.14	102.72	—	3003	2985	3323	102.5	93.9	131.1
		35.86	12.7	101.6	—	3149	2985	3461	102.5	93.9	136.5
	NKLT-125	22.32	7.52	111.96	—	1868	2438	2433	89.3	89.3	65.4
		26.79	9.19	108.61	—	2380	2940	2931	109.2	106.7	102.2
		31.85	11.1	104.8	—	2945	3221	3483	110.3	106.7	137.5
		34.53	12.14	102.72	—	3243	3221	3777	110.3	106.7	149.1
		35.86	12.7	101.6	—	3403	3221	3932	110.3	106.7	155.1
	NK-125	22.32	7.52	111.96	—	1868	2438	2433	89.3	89.3	65.4
		26.79	9.19	108.61	—	2380	2940	2931	109.2	106.7	102.2
		31.85	11.1	104.8	—	2945	3221	3483	110.3	106.7	137.5
	NK-125	34.53	12.14	102.72	—	3243	3221	3777	110.3	106.7	149.1
		35.86	12.7	101.6	—	3403	3221	3932	110.3	106.7	155.1
	NK-140	22.32	7.52	111.96	—	2073	2713	2722	100.0	100.0	68.8
		26.79	9.19	108.61	—	2642	3269	3283	110.3	119.6	110.8
		31.85	11.1	104.8	—	3269	3581	3901	110.3	119.6	154.0
127.0		34.53	12.14	102.72	—	3603	3581	4230	110.3	119.6	166.9
		35.86	12.7	101.6	—	3781	3581	4404	110.3	119.6	173.7
	NKV-150	22.32	7.52	111.96	—	2211	2896	2918	107.1	107.1	70.7
		26.79	9.19	108.61	—	2820	3492	3519	110.3	128.1	116.2
		31.85	11.1	104.8	—	3492	3817	4181	110.3	128.1	165.0
		34.53	12.14	102.72	—	3843	3817	4533	110.3	128.1	178.8
		35.86	12.7	101.6	—	4035	3817	4715	110.3	128.1	186.2
	T-95	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.2	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
193.7		58.04	12.7	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.1	85.6
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.1	94.3
		70.09	15.88	161.93	—	5155	5783	5809	81.4	80.1	98.6
	NKAC-80	39.29	8.33	177.01	—	2180	2931	2678	41.5	41.5	23.4
	NKAC-80	44.2	9.52	174.63	—	2558	3332	3038	47.5	47.5	33.0
		50.15	10.92	171.83	—	2998	3790	3461	54.5	54.5	45.2
		58.04	12.7	168.28	—	3550	4364	3981	63.3	63.3	60.8
		63.69	14.27	165.13	—	4030	4862	4439	71.2	67.5	74.6
		67.41	15.11	163.45	—	4279	5124	4675	72.3	67.5	79.4
		70.09	15.88	161.93	—	4506	5360	4893	72.3	67.5	83.0
	NKAC-85	39.29	8.33	177.01	—	2273	2980	2842	44.1	44.1	24.3
		44.2	9.52	174.63	—	2669	3385	3229	50.5	50.5	33.9
		50.15	10.92	171.83	—	3132	3852	3674	57.8	57.8	47.0
193.7		58.04	12.7	168.28	—	3705	4435	4230	67.2	67.2	63.6
		63.69	14.27	165.13	—	4204	4942	4715	75.6	71.7	78.3
		67.41	15.11	163.45	—	4462	5209	4969	76.9	71.7	84.3
		70.09	15.88	161.93	—	4697	5445	5196	76.9	71.7	88.2
		39.29	8.33	177.01	—	2384	3092	3011	46.7	46.7	24.9

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		44.2	9.52	174.63	—	2802	3514	3421	53.4	53.4	34.7
		50.15	10.92	171.83	—	3287	3999	3892	61.2	61.2	48.6
	NKAC-90	58.04	12.7	168.28	—	3888	4604	4479	71.2	71.2	66.3
		63.69	14.27	165.13	—	4413	5129	4991	80.0	75.9	82.0
		67.41	15.11	163.45	—	4688	5405	5262	81.4	75.9	89.3
		70.09	15.88	161.93	—	4933	5654	5502	81.4	75.9	93.4
		39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.2	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
	NKAC-95	58.04	12.7	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.1	85.6
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.1	94.3
		70.09	15.88	161.93	—	5155	5783	5809	81.4	80.1	98.6
		44.2	9.52	174.63	—	3038	3670	3799	59.4	59.4	36.0
		50.15	10.92	171.83	—	3563	4177	4324	68.1	68.1	51.6
193.7	NKAC-100SS	58.04	12.7	168.28	—	4217	4809	4978	79.2	79.2	71.6
		63.69	14.27	165.13	—	4782	5360	5547	81.4	84.4	89.1
		67.41	15.11	163.45	—	5080	5649	5845	81.4	84.4	98.5
		70.09	15.88	161.93	—	5347	5783	6112	81.4	84.4	103.8
		44.2	9.52	174.63	—	3185	3848	3990	62.3	62.3	36.5
		50.15	10.92	171.83	—	3732	4377	4542	71.4	71.4	53.0
	NKAC-105	58.04	12.7	168.28	—	4417	5044	5227	81.4	83.1	74.0
		63.69	14.27	165.13	—	5009	5618	5823	81.4	87.4	92.6
		67.41	15.11	163.45	—	5325	5921	6139	81.4	87.4	102.5
		70.09	15.88	161.93	—	5605	6058	6419	81.4	87.4	108.9
	NKAC-80T	39.29	8.33	177.01	—	2180	2931	2678	41.5	41.5	34.2
		44.2	9.52	174.63	—	2558	3332	3038	47.5	47.5	44.3
		50.15	10.92	171.83	—	2998	3790	3461	54.5	54.5	56.1
	NKAC-80T	58.04	12.7	168.28	—	3550	4364	3981	63.3	63.3	71.1
		63.69	14.27	165.13	—	4030	4862	4439	71.2	67.5	84.0
		67.41	15.11	163.45	—	4279	5124	4675	72.3	67.5	88.5
		70.09	15.88	161.93	—	4506	5360	4893	72.3	67.5	92.5
		39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	36.1
		44.2	9.52	174.63	—	2931	3616	3608	56.4	56.4	47.6
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	61.2
193.7	NKAC-95T	58.04	12.7	168.28	—	4066	4737	4728	75.2	75.2	78.5
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.1	93.8
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.1	99.2
		70.09	15.88	161.93	—	5155	5783	5809	81.4	80.1	103.8
		39.29	8.33	177.01	—	2180	2931	2678	41.5	41.5	34.2
		44.2	9.52	174.63	—	2558	3332	3038	47.5	47.5	44.3
		50.15	10.92	171.83	—	2998	3790	3461	54.5	54.5	56.1
	NKHC-80	58.04	12.7	168.28	—	3550	4364	3981	63.3	63.3	71.1
		63.69	14.27	165.13	—	4030	4862	4439	71.2	67.5	84.0
		67.41	15.11	163.45	—	4279	5124	4675	72.3	67.5	88.5
		70.09	15.88	161.93	—	4506	5360	4893	72.3	67.5	92.5
		39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	36.6
		44.2	9.52	174.63	—	2971	3741	3608	56.4	56.4	51.1
		50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	68.9
	NKHC-95	58.04	12.7	168.28	—	4119	4897	4728	75.2	75.2	85.2
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.1	99.7
		67.41	15.11	163.45	—	4964	5752	5551	81.4	80.1	107.1
		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.1	112.0
		44.2	9.52	174.63	—	3421	4270	4181	65.3	65.3	54.1
		50.15	10.92	171.83	—	4008	4862	4755	74.9	74.9	76.4
193.7	NKHC-110	58.04	12.7	168.28	—	4742	5596	5476	81.4	87.0	97.2
		63.69	14.27	165.13	—	5382	6236	6103	81.4	87.4	111.1
		67.41	15.11	163.45	—	5716	6570	6428	81.4	87.4	117.1

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		70.09	15.88	161.93	—	6018	6873	6726	81.4	87.4	122.5
	NKHC-125	50.15	10.92	171.83	—	4488	5325	5405	81.4	85.1	78.7
		58.04	12.70	168.28	—	5311	6134	6223	81.4	87.4	100.2
		63.69	14.27	165.13	—	6027	6832	6935	81.4	87.4	117.7
		67.41	15.11	163.45	—	6401	7202	7308	81.4	87.4	124.0
		70.09	15.88	161.93	—	6739	7437	7642	81.4	87.4	129.7
	NKHC-140	50.15	10.92	171.83	—	5018	5934	6054	81.4	87.4	80.7
		58.04	12.70	168.28	—	5938	6832	6970	81.4	87.4	105.3
	NKHC-140	63.69	14.27	165.13	—	6735	7611	7767	81.4	87.4	127.0
		67.41	15.11	163.45	—	7157	8020	8185	81.4	87.4	138.6
		70.09	15.88	161.93	—	7531	8265	8558	81.4	87.4	145.3
	NKLT-95	39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2971	3741	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4119	4897	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.1	85.6
		67.41	15.11	163.45	—	4964	5752	5551	81.4	80.1	94.3
193.7		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.1	98.6
	NKLT-110	44.20	9.52	174.63	—	3421	4270	4181	65.3	65.3	36.9
		50.15	10.92	171.83	—	4008	4862	4755	74.9	74.9	54.3
		58.04	12.70	168.28	—	4742	5596	5476	81.4	87.0	76.4
		63.69	14.27	165.13	—	5382	6236	6103	81.4	87.4	96.0
		67.41	15.11	163.45	—	5716	6570	6428	81.4	87.4	106.5
		70.09	15.88	161.93	—	6018	6873	6726	81.4	87.4	114.1
	NKLT-125	50.15	10.92	171.83	—	4488	5325	5405	81.4	85.1	57.5
		58.04	12.70	168.28	—	5311	6134	6223	81.4	87.4	83.2
		63.69	14.27	165.13	—	6027	6832	6935	81.4	87.4	105.8
		67.41	15.11	163.45	—	6401	7202	7308	81.4	87.4	118.0
	NKLT-125	70.09	15.88	161.93	—	6739	7437	7642	81.4	87.4	128.9
	NK-125	50.15	10.92	171.83	—	4488	5325	5405	81.4	85.1	57.5
		58.04	12.7	168.28	—	5311	6134	6223	81.4	87.4	83.2
		63.69	14.27	165.13	—	6027	6832	6935	81.4	87.4	105.8
		67.41	15.11	163.45	—	6401	7202	7308	81.4	87.4	118.0
		70.09	15.88	161.93	—	6739	7437	7642	81.4	87.4	128.9
193.7	NK-140	50.15	10.92	171.83	—	5018	5934	6054	81.4	87.4	59.9
		58.04	12.7	168.28	—	5938	6832	6970	81.4	87.4	89.1
		63.69	14.27	165.13	—	6735	7611	7767	81.4	87.4	115.0
		67.41	15.11	163.45	—	7157	8020	8185	81.4	87.4	128.7
		70.09	15.88	161.93	—	7531	8265	8558	81.4	87.4	141.3
	NKV-150	50.15	10.92	171.83	—	5369	6334	6486	81.4	87.4	61.0
		58.04	12.7	168.28	—	6352	7295	7469	81.4	87.4	92.7
		63.69	14.27	165.13	—	7206	8127	8323	81.4	87.4	120.7
		67.41	15.11	163.45	—	7655	8567	8767	81.4	87.4	135.7
		70.09	15.88	161.93	—	8060	8816	9172	81.4	87.4	149.3
	T-95	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
244.5		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
		69.94	11.99	220.5	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
	NKAC-80	59.53	10.03	224.41	—	3278	4355	4075	39.6	39.6	21.3
		64.74	11.05	222.38	—	3670	4777	4470	43.6	43.6	26.3
		69.94	11.99	220.5	—	4026	5164	4831	47.4	47.4	32.8
		79.62	13.84	216.79	—	4724	5912	5534	54.7	54.7	45.6
	NKAC-85	59.53	10.03	224.41	—	3430	4448	4333	42.1	42.1	21.9
		64.74	11.05	222.38	—	3834	4880	4751	46.3	46.3	26.8
		69.94	11.99	220.5	—	4208	5271	5133	50.3	50.3	33.7
		79.62	13.84	216.79	—	4933	6041	5876	58.1	58.1	47.4
	NKAC-90	59.53	10.03	224.41	—	3603	4626	4586	44.5	44.5	22.5
244.5		64.74	11.05	222.38	—	4030	5075	5026	49.1	49.1	27.6

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
244.5	[illegible]	69.94	11.99	220.5	—	4422	5485	5436	53.2	53.2	34.4
		79.62	13.84	216.79	—	5187	6281	6223	58.3	61.5	49.0
	NKAC-95	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
		69.94	11.99	220.5	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
	NKAC-100SS	64.74	11.05	222.38	—	4381	5338	5587	54.5	54.5	29.2
		69.94	11.99	220.5	—	4809	5769	6036	58.3	59.2	35.7
		79.62	13.84	216.79	—	5636	6610	6917	58.3	63.2	52.1
	NKAC-105	64.74	11.05	222.38	—	4599	5600	5867	57.2	57.2	29.9
244.5	NKAC-105	69.94	11.99	220.5	—	5044	6050	6339	58.3	62.1	36.1
		79.62	13.84	216.79	—	5916	6930	7259	58.3	63.2	53.5
	NKAC-80T	59.53	10.03	224.41	—	3278	4355	4075	39.6	39.6	31.0
		64.74	11.05	222.38	—	3670	4777	4470	43.6	43.6	37.7
		69.94	11.99	220.5	—	4026	5164	4831	47.4	47.4	44.1
		79.62	13.84	216.79	—	4724	5912	5534	54.7	54.7	56.5
	NKAC-95T	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	32.3
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	40.1
		69.94	11.99	220.5	—	4626	5663	5734	56.2	56.2	47.4
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	61.7
	NKHC-80	59.53	10.03	224.41	—	3278	4355	4075	39.6	39.6	31.0
		64.74	11.05	222.38	—	3670	4777	4470	43.6	43.6	37.7
		69.94	11.99	220.5	—	4026	5164	4831	47.4	47.4	44.1
		79.62	13.84	216.79	—	4724	5912	5534	54.7	54.7	56.5
	NKHC-95	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	32.8
		64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	41.2
		69.94	11.99	220.5	—	4684	5832	5734	56.2	56.2	50.7
		79.62	13.84	216.79	—	5494	6681	6570	58.3	63.2	69.4
	NKHC-110	64.74	11.05	222.38	—	4915	6174	6143	60.0	60.0	43.6
		69.94	11.99	220.5	—	5396	6672	6641	65.1	63.2	53.6
	NKHC-110	79.62	13.84	216.79	—	6325	7642	7606	66.9	63.2	76.9
	NKHC-125	64.74	11.05	222.38	—	5516	6792	6984	66.9	63.2	44.3
		69.94	11.99	220.5	—	6050	7340	7549	66.9	63.2	54.2
		79.62	13.84	216.79	—	7095	8407	8643	66.9	63.2	79.2
	NKHC-140	64.74	11.05	222.38	—	6165	7571	7820	66.9	63.2	44.3
		69.94	11.99	220.5	—	6761	8180	8452	66.9	63.2	55.2
		79.62	13.84	216.79	—	7931	9372	9684	66.9	63.2	81.3
	NKLT-95	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	28.5
244.5		69.94	11.99	220.5	—	4684	5832	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5494	6681	6570	58.3	63.2	50.6
	NKLT-110	64.74	11.05	222.38	—	4915	6174	6143	60.0	60.0	30.5
		69.94	11.99	220.5	—	5396	6672	6641	65.1	63.2	36.5
		79.62	13.84	216.79	—	6325	7642	7606	66.9	63.2	54.8
	NKLT-125	64.74	11.05	222.38	—	5516	6792	6984	66.9	63.2	31.9
		69.94	11.99	220.5	—	6050	7340	7549	66.9	63.2	38.8
		79.62	13.84	216.79	—	7095	8407	8643	66.9	63.2	58.2
	NK-125	64.74	11.05	222.38	—	5516	6792	6984	66.9	63.2	31.9
		69.94	11.99	220.5	—	6050	7340	7549	66.9	63.2	38.8
		79.62	13.84	216.79	—	7095	8407	8643	66.9	63.2	58.2
	NK-140	64.74	11.05	222.38	—	6165	7571	7820	66.9	63.2	32.6
		69.94	11.99	220.5	—	6761	8180	8452	66.9	63.2	40.6
244.5		79.62	13.84	216.79	—	7931	9372	9684	66.9	63.2	60.6
	NKV-150	64.74	11.05	222.38	—	6597	8087	8380	66.9	63.2	32.8
		69.94	11.99	220.5	—	7237	8741	9057	66.9	63.2	41.4
		79.62	13.84	216.79	—	8487	10013	10373	66.9	63.2	61.8
	NKAC-105	93.46	15.88	219.08	—	—	6392	8483	—	63.2	68.7
	NKAC-80T	93.46	15.88	219.08	—	—	5454	6463	—	60.9	67.4

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压		抗挤强度 MPa
					园扣		偏梯扣 KN		园扣 MPa	偏梯扣 MPa	
					短扣 KN	长扣 KN					
250.8	NKAC-95T	93.46	15.88	219.08	—	—	5978	7673	—	63.2	74.3
	NKHC-80	93.46	15.88	219.08	—	—	5454	6463	—	60.9	67.4
	NKHC-95	93.46	15.88	219.08	—	—	6161	7673	—	63.2	81.2
	NKHC-110	93.46	15.88	219.08	—	—	7046	8888	—	63.2	92.0
	NKHC-125	93.46	15.88	219.08	—	—	7753	10097	—	63.2	94.8
	NKHC-140	93.46	15.88	219.08	—	—	8638	11312	—	63.2	99.1
	NKLT-95	93.46	15.88	219.08	—	—	6161	7673	—	63.2	64.3
	NKLT-110	93.46	15.88	219.08	—	—	7046	8888	—	63.2	70.9
	NKLT-125	93.46	15.88	219.08	—	—	7753	10097	—	63.2	76.8
	NK-125	93.46	15.88	219.08	—	—	7753	10097	—	63.2	76.8
	NK-140	93.46	15.88	219.08	—	—	8638	11312	—	63.2	81.8
	NKV-150	93.46	15.88	219.08	—	—	9230	12117	—	63.2	84.8
273.1	N-80	90.33	13.84	245.36	4430	—	6552	6219	47.4	49.0	35.6
		97.77	15.11	242.82	4875	—	7117	6757	47.4	51.4	43.5
	L-80	90.33	13.84	245.36	4373	—	6352	6219	47.4	49.0	35.6
		97.77	15.11	242.82	4813	—	6899	6757	47.4	51.4	43.5
	C-90	90.33	13.84	245.36	4844	—	6868	6997	47.4	51.4	37.6
		97.77	15.11	242.82	5329	—	7460	7598	47.4	51.4	46.6
	C-95	90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
	Q-125	82.59	12.57	247.9	6005	—	8563	8865	54.4	51.4	33.4
	T-95	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.9	4591	—	6597	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
	NKAC-80	75.90	11.43	250.19	3576	—	5462	5182	40.4	40.4	22.2
		82.59	12.57	247.9	3981	—	5983	5676	44.5	44.5	27.7
		90.33	13.84	245.36	4430	—	6552	6219	47.4	49.0	35.6
		97.77	15.11	242.82	4875	—	7117	6757	47.4	51.4	43.5
	NKAC-85	75.90	11.43	250.19	3741	—	5591	5507	43.0	43.0	22.9
		82.59	12.57	247.9	4168	—	6125	6032	47.2	47.2	28.3
		90.33	13.84	245.36	4639	—	6712	6606	47.4	51.4	36.7
273.1	NKAC-85	97.77	15.11	242.82	5102	—	7291	7175	47.4	51.4	45.1
	NKAC-90	75.90	11.43	250.19	3937	—	5823	5832	45.4	45.4	23.4
		82.59	12.57	247.9	4386	—	6379	6383	47.4	50.0	28.7
		90.33	13.84	245.36	4880	—	6988	6997	47.4	51.4	37.6
		97.77	15.11	242.82	5365	—	7593	7598	47.4	51.4	46.6
	NKAC-95	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.9	4591	—	6597	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
	NKAC-100SS	75.90	11.43	250.19	4288	—	6152	6477	47.4	50.5	24.5
		82.59	12.57	247.9	4777	—	6739	7095	47.4	51.4	30.3
		90.33	13.84	245.36	5316	—	7384	7771	47.4	51.4	39.3
		97.77	15.11	242.82	5845	—	8020	8443	47.4	51.4	49.4
	NKAC-105	75.90	11.43	250.19	4502	—	6454	6801	47.4	51.4	25.0
		82.59	12.57	247.9	5013	—	7068	7446	47.4	51.4	31.2
		90.33	13.84	245.36	5578	—	7744	8162	47.4	51.4	39.9
		97.77	15.11	242.82	6134	—	8412	8865	47.4	51.4	50.6
	NKAC-80T	75.90	11.43	250.19	3576	—	5462	5182	40.4	40.4	32.3
		82.59	12.57	247.9	3981	—	5983	5676	44.5	44.5	39.2
		90.33	13.84	245.36	4430	—	6552	6219	47.4	49.0	46.7
	NKAC-80T	97.77	15.11	242.82	4875	—	7117	6757	47.4	51.4	54.3
	NKAC-95T	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	33.9
		82.59	12.57	247.9	4591	—	6597	6739	47.4	51.4	41.8
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	50.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	59.3
		75.90	11.43	250.19	3576	—	5462	5182	40.4	40.4	32.3

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
273.1	NKHC-80	82.59	12.57	247.9	3981	—	5983	5676	44.5	44.5	39.2
		90.33	13.84	245.36	4430	—	6552	6219	47.4	49.0	46.7
		97.77	15.11	242.82	4875	—	7117	6757	47.4	51.4	54.3
	NKHC-95	75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	34.3
		82.59	12.57	247.9	4639	—	6779	6739	47.4	51.4	43.2
		90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	55.3
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	67.1
	NKHC-110	75.90	11.43	250.19	4800	—	7090	7126	54.4	51.4	35.0
		82.59	12.57	247.9	5347	—	7762	7802	54.4	51.4	45.6
		90.33	13.84	245.36	5947	—	8505	8549	54.4	51.4	58.5
		97.77	15.11	242.82	6543	—	9239	9288	54.4	51.4	74.0
	NKHC-125	82.59	12.57	247.9	6005	—	8563	8865	54.4	51.4	46.1
		90.33	13.84	245.36	6681	—	9381	9715	54.4	51.4	59.1
		97.77	15.11	242.82	7348	—	10191	10556	54.4	51.4	74.9
273.1	NKHC-140	82.59	12.57	247.9	6712	—	9546	9933	54.4	51.4	46.4
		90.33	13.84	245.36	7469	—	10458	10880	54.4	51.4	60.5
		97.77	15.11	242.82	8216	—	11361	11823	54.4	51.4	77.7
	NKLT-95	75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	24.1
		82.59	12.57	247.9	4639	—	6779	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	48.0
	NKLT-110	75.90	11.43	250.19	4800	—	7090	7126	54.4	51.4	25.2
		82.59	12.57	247.9	5347	—	7762	7802	54.4	51.4	31.8
		90.33	13.84	245.36	5947	—	8505	8549	54.4	51.4	40.5
		97.77	15.11	242.82	6543	—	9239	9288	54.4	51.4	51.8
	NKLT-125	82.59	12.57	247.9	6005	—	8563	8865	54.4	51.4	33.4
		90.33	13.84	245.36	6681	—	9381	9715	54.4	51.4	41.9
		97.77	15.11	242.82	7348	—	10191	10556	54.4	51.4	54.6
	NK-125	82.59	12.57	247.9	6005	—	8563	8865	54.4	51.4	33.4
		90.33	13.84	245.36	6681	—	9381	9715	54.4	51.4	41.9
		97.77	15.11	242.82	7348	—	10191	10556	54.4	51.4	54.6
	NK-140	82.59	12.57	247.9	6712	—	9546	9933	54.4	51.4	34.4
		90.33	13.84	245.36	7469	—	10458	10880	54.4	51.4	44.0
		97.77	15.11	242.82	8216	—	11361	11823	54.4	51.4	56.5
273.1	NKV-150	82.59	12.57	247.9	7188	—	10200	10640	54.4	51.4	34.7
		90.33	13.84	245.36	7993	—	11178	11659	54.4	51.4	45.1
		97.77	15.11	242.82	8794	—	12144	12664	54.4	51.4	57.4
339.7	N-80	120.09	14.73	310.26	5289	—	8456	8296	31.4	34.0	23.9
	P-110	120.09	14.73	310.26	7122	—	11089	11410	36.0	34.0	27.6
	Q-125	101.2	12.19	315.34	6486	—	10258	10814	36.0	34.0	16.1
		120.09	14.73	310.26	8011	—	12299	12962	36.0	34.0	28.5
	L-80	120.09	14.73	310.26	5231	—	8238	8296	31.4	34.0	23.9
	C-90	120.09	14.73	310.26	5805	—	8977	9332	31.4	34.0	25.4
	C-95	120.09	14.73	310.26	6121	—	9452	9853	31.4	34.0	26.1
	T-95	101.2	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
		120.09	14.73	310.26	6121	—	9452	9853	31.4	34.0	26.1
	NKAC-80	101.2	12.19	315.34	4284	—	7050	6921	31.4	34.0	15.6
		107.15	13.06	313.61	4626	—	7531	7388	31.4	34.0	18.4
		120.09	14.73	310.26	5289	—	8456	8296	31.4	34.0	23.9
	NKAC-85	101.2	12.19	315.34	4493	—	7268	7353	31.4	34.0	15.9
		107.15	13.06	313.61	4853	—	7762	7851	31.4	34.0	18.8
		120.09	14.73	310.26	5547	—	8714	8816	31.4	34.0	24.7
	NKAC-90	101.2	12.19	315.34	4728	—	7593	7784	31.4	34.0	16.0
	NKAC-90	107.15	13.06	313.61	5107	—	8109	8314	31.4	34.0	19.2
		120.09	14.73	310.26	5841	—	9106	9332	31.4	34.0	25.4
	NKAC-95	101.2	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5

日本钢管(NKK)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		120.09	14.73	310.26	6121	—	9452	9853	31.4	34.0	26.1
339.7	NKAC-100SS	101.2	12.19	315.34	5164	—	8100	8652	31.4	34.0	16.1
		107.15	13.06	313.61	5578	—	8652	9239	31.4	34.0	19.7
		120.09	14.73	310.26	6379	—	9710	10369	31.4	34.0	26.6
	NKAC-105	101.2	12.19	315.34	5422	—	8496	9083	31.4	34.0	16.1
		107.15	13.06	313.61	5854	—	9074	9702	31.4	34.0	19.9
		120.09	14.73	310.26	6695	—	10186	10889	31.4	34.0	27.2
	NKAC-80T	101.2	12.19	315.34	4284	—	7050	6921	31.4	34.0	21.8
		107.15	13.06	313.61	4626	—	7531	7388	31.4	34.0	26.7
		120.09	14.73	310.26	5289	—	8456	8296	31.4	34.0	34.7
	NKAC-95T	101.2	12.19	315.34	4955	—	7882	8216	31.4	34.0	21.8
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	26.9
		120.09	14.73	310.26	6121	—	9452	9853	31.4	34.0	36.7
	NKHC-80	101.2	12.19	315.34	4284	—	7050	6921	31.4	34.0	21.8
		107.15	13.06	313.61	4626	—	7531	7388	31.4	34.0	26.7
		120.09	14.73	310.26	5289	—	8456	8296	31.4	34.0	34.7
339.7	NKHC-95	101.2	12.19	315.34	5004	—	8060	8216	31.4	34.0	21.8
		107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	26.9
		120.09	14.73	310.26	6179	—	9666	9853	31.4	34.0	37.3
	NKHC-110	101.2	12.19	315.34	5769	—	9248	9515	36.0	34.0	21.8
		107.15	13.06	313.61	6232	—	9880	10160	36.0	34.0	26.9
		120.09	14.73	310.26	7122	—	11089	11410	36.0	34.0	39.0
	NKHC-125	101.2	12.19	315.34	6486	—	10258	10814	36.0	34.0	21.8
		107.15	13.06	313.61	7010	—	10956	11548	36.0	34.0	26.9
		120.09	14.73	310.26	8011	—	12299	12962	36.0	34.0	39.0
	NKHC-140	101.2	12.19	315.34	7255	—	11445	12108	36.0	34.0	21.8
		107.15	13.06	313.61	7838	—	12224	12931	36.0	34.0	26.9
		120.09	14.73	310.26	8959	—	13723	14519	36.0	34.0	39.0
	NKLT-95	101.2	12.19	315.34	5004	—	8060	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	19.5
		120.09	14.73	310.26	6179	—	9666	9853	31.4	34.0	26.1
	NKLT-110	101.2	12.19	315.34	5769	—	9248	9515	36.0	34.0	16.1
		107.15	13.06	313.61	6232	—	9880	10160	36.0	34.0	19.9
		120.09	14.73	310.26	7122	—	11089	11410	36.0	34.0	27.6
	NKLT-125	101.2	12.19	315.34	6486	—	10258	10814	36.0	34.0	16.1
		107.15	13.06	313.61	7010	—	10956	11548	36.0	34.0	19.9
339.7	NKLT-125	120.09	14.73	310.26	8011	—	12299	12962	36.0	34.0	28.5
	NK-125	101.2	12.19	315.34	6486	—	10258	10814	36.0	34.0	16.1
		107.15	13.06	313.61	7010	—	10956	11548	36.0	34.0	19.9
		120.09	14.73	310.26	8011	—	12299	12962	36.0	34.0	28.5
	NK-140	101.2	12.19	315.34	7255	—	11445	12108	36.0	34.0	16.1
		107.15	13.06	313.61	7838	—	12224	12931	36.0	34.0	19.9
		120.09	14.73	310.26	8959	—	13723	14519	36.0	34.0	28.8
	NKV-150	101.2	12.19	315.34	7767	—	12242	12975	36.0	34.0	16.1
		107.15	13.06	313.61	8389	—	13073	13856	36.0	34.0	19.9
		120.09	14.73	310.26	9590	—	14675	15555	36.0	34.0	28.8

世特佳(SIDERCA)AMS扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度		管体抗内压 MPa	抗挤强度 MPa
					接头 KN	管体 KN		
139.7	55	25.30	7.72	124.26	1214	1214	36.7	33.9
		29.76	9.17	121.36	1428	1428	43.6	45.6
		34.23	10.54	118.62	1450	1624	50.1	52.9
	80	25.30	7.72	124.26	1766	1766	53.4	43.4
		29.76	9.17	121.36	2073	2073	63.4	60.9
		34.23	10.54	118.62	2108	2358	72.8	76.9
	90	25.30	7.72	124.26	1988	1988	60.1	46.5
		29.76	9.17	121.36	2335	2335	71.3	66.4
		34.23	10.54	118.62	2375	2656	81.9	85.4
	95	25.30	7.72	124.26	2095	2095	63.4	47.8
		29.76	9.17	121.36	2464	2464	75.2	69.1
		34.23	10.54	118.62	2504	2802	86.5	89.1
	110	25.30	7.72	124.26	2429	2429	73.4	51.6
		29.76	9.17	121.36	2851	2851	87.1	76.5
		34.23	10.54	118.62	2900	3243	100.2	100.2
	125	25.30	7.72	124.26	2758	2758	83.4	54.4
		29.76	9.17	121.36	3243	3243	99.0	83.3
		34.23	10.54	118.62	3296	3688	113.8	22.5
177.8	55	34.23	8.05	161.70	1628	1628	30.1	22.5
		38.69	9.19	159.41	1846	1846	34.3	29.8
177.8	55	43.16	10.36	157.07	2068	2068	38.7	37.2
		47.62	11.51	153.64	2277	2277	43.0	44.5
		52.09	12.65	152.50	2277	2491	47.2	50.1
		56.55	13.72	150.37	2277	2682	51.2	54.0
	80	34.23	8.05	161.70	2366	2366	43.7	26.4
		38.69	9.19	159.41	2687	2687	49.9	37.3
		43.16	10.36	157.07	3007	3007	56.3	48.5
		47.62	11.51	153.64	3309	3314	62.5	59.4
		52.09	12.65	152.50	3309	3621	68.7	70.3
		56.55	13.72	150.37	3309	3901	74.5	78.5
	90	34.23	8.05	161.70	2664	2664	49.2	27.8
		38.69	9.19	159.41	3020	3020	56.1	39.6
		43.16	10.36	157.07	3385	3381	63.3	52.3
		47.62	11.51	153.64	3723	3732	70.3	64.6
		52.09	12.65	152.50	3723	4075	77.2	77.0
		56.55	13.72	150.37	3723	4386	83.8	88.3
	95	34.23	8.05	161.70	2811	2811	51.9	28.6
		38.69	9.19	159.41	3189	3189	59.3	40.6
		43.16	10.36	157.07	3572	3572	66.8	54.1
		47.62	11.51	153.64	3932	3937	74.2	67.2
177.8	95	52.09	12.65	152.50	3932	4297	81.6	80.3
		56.55	13.72	150.37	3932	4631	88.4	92.6
	110	34.23	8.05	161.70	3256	3256	60.1	30.7
		38.69	9.19	159.41	3692	3692	68.6	42.8
		43.16	10.36	157.07	4137	4137	77.4	58.7
		47.62	11.51	153.64	4551	4559	85.9	74.2
		52.09	12.65	152.50	4551	4978	94.4	89.7
		56.55	13.72	150.37	4551	5360	102.4	104.2
		34.23	8.05	161.70	3701	3701	68.3	32.1

世特佳(SIDERCA)AMS扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度		管体	抗挤
					接头	管体	抗内压	强度
					KN	KN	MPa	MPa
	125	38.69	9.19	159.41	4199	4199	78.0	44.5
		43.16	10.36	157.07	4697	4697	87.9	62.9
		47.62	11.51	153.64	5173	5182	97.6	80.8
		52.09	12.65	152.50	5173	5658	107.3	98.8
		56.55	13.72	150.37	5173	6094	116.3	115.6

世特佳(SIDERCA)FL-4S扣（无接箍）套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度		管体抗内压 MPa	抗挤强度 MPa
					接头 KN	管体 KN		
127	L-80	17.11	5.59	115.82	489	1174	42.5	24.5
		19.35	6.43	114.15	698	1343	48.8	35.4
		22.32	7.52	111.96	818	1557	57.2	50.0
		26.79	9.19	108.61	1179	1877	69.9	72.4
	N-80	17.11	5.59	115.82	489	1174	42.5	24.5
		19.35	6.43	114.15	698	1343	48.8	35.4
		22.32	7.52	111.96	818	1557	57.2	50.0
		26.79	9.19	108.61	1179	1877	69.9	72.4
	P-110	17.11	5.59	115.82	672	1615	58.4	28.6
		19.35	6.43	114.15	956	1846	67.2	40.3
		22.32	7.52	111.96	1125	2140	78.6	61.0
		26.79	9.19	108.61	1619	2580	96.1	92.9
139.7	L-80	20.83	6.20	127.30	596	1432	42.8	25.0
		23.07	6.99	125.73	836	1606	48.3	34.4
		25.30	7.72	124.26	930	1321	53.4	43.3
		29.76	9.17	121.36	1308	2073	63.4	60.9
		34.23	10.54	118.62	1490	2358	72.8	76.9
	N-80	20.83	6.20	127.30	596	1432	42.8	25.0
		23.07	6.99	125.73	836	1606	48.3	34.4
		25.30	7.72	124.26	930	1321	53.4	43.3
139.7	N-80	29.76	9.17	121.36	1308	2073	63.4	60.9
		34.23	10.54	118.62	1490	2358	72.8	76.9
	P-110	20.83	6.20	127.30	818	1971	58.9	29.2
		23.07	6.99	125.73	1152	2211	66.4	38.8
		25.30	7.72	124.26	1277	2429	73.4	51.6
		29.76	9.17	121.36	1797	2851	87.1	76.5
		34.23	10.54	118.62	2051	3243	100.2	100.2

世特佳(SIDERCA)SEC扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度		管体抗内压 MPa	抗挤强度 MPa
					接头 KN	管体 KN		
139.7	J-55	25.30	7.72	124.26	1214	1214	36.7	33.9
		29.76	9.17	121.36	1428	1428	43.6	45.6
		34.23	10.54	118.62	1624	1624	50.1	52.9
	K-55	25.30	7.72	124.26	1214	1214	36.7	33.9
		29.76	9.17	121.36	1428	1428	43.6	45.6
		34.23	10.54	118.62	1624	1624	50.1	52.9
	L-80	25.30	7.72	124.26	1766	1766	53.4	43.3
		29.76	9.17	121.36	2073	2073	63.4	60.9
		34.23	10.54	118.62	2358	2358	72.8	76.9
	N-80	25.30	7.72	124.26	1766	1766	53.4	43.3
		29.76	9.17	121.36	2073	2073	63.4	60.9
		34.23	10.54	118.62	2358	2358	72.8	76.9
	C-90	25.30	7.72	124.26	1988	1988	60.1	46.5
		29.76	9.17	121.36	2335	2335	71.3	66.4
		34.23	10.54	118.62	2656	2656	81.9	85.4
	C-95	25.30	7.72	124.26	2095	2095	63.4	47.8
		29.76	9.17	121.36	2464	2464	75.2	69.0
		34.23	10.54	118.62	2802	2802	86.5	89.2
	T-95	25.30	7.72	124.26	2095	2095	63.4	47.8
		29.76	9.17	121.36	2464	2464	75.2	69.0
139.7	T-95	34.23	10.54	118.62	2802	2802	86.5	89.2
	P-110	25.30	7.72	124.26	2429	2429	73.4	51.6
		29.76	9.17	121.36	2851	2851	87.1	76.5
		34.23	10.54	118.62	3243	3243	100.2	100.2
	Q-125	25.30	7.72	124.26	2758	2758	83.4	54.4
		29.76	9.17	121.36	3243	3243	99.0	83.4
		34.23	10.54	118.62	3688	3688	113.8	110.8
177.8	J-55	34.23	8.05	161.70	1628	1628	30.1	22.5
		38.69	9.19	159.41	1846	1846	34.3	29.8
		43.16	10.36	157.07	2068	2068	38.7	37.3
		47.62	11.51	153.64	2277	2277	43.0	44.5
		52.09	12.65	152.50	2487	2487	47.2	50.1
		56.55	13.72	150.37	2682	2682	51.2	54.0
	K-55	34.23	8.05	161.70	1628	1628	30.1	22.5
		38.69	9.19	159.41	1846	1846	34.3	29.8
		43.16	10.36	157.07	2068	2068	38.7	37.3
		47.62	11.51	153.64	2277	2277	43.0	44.5
		52.09	12.65	152.50	2487	2487	47.2	50.1
		56.55	13.72	150.37	2682	2682	51.2	54.0
	L-80	34.23	8.05	161.70	1628	1628	30.1	22.5
	L-80	38.69	9.19	159.41	2687	2687	49.9	37.3
		43.16	10.36	157.07	3007	3007	56.3	48.4
		47.62	11.51	153.64	3314	3314	62.5	59.4
		52.09	12.65	152.50	3621	3621	68.7	70.2
		56.55	13.72	150.37	3901	3901	74.5	78.5
	K-80	34.23	8.05	161.70	2366	2366	43.7	26.4
		38.69	9.19	159.41	2366	2366	43.7	26.4
		43.16	10.36	157.07	2687	2687	49.9	37.3
		47.62	11.51	153.64	3007	3007	56.3	48.4

世特佳(SIDERCA)SEC扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度		管体抗内压 MPa	抗挤强度 MPa
					接头 KN	管体 KN		
177.8		52.09	12.65	152.50	3314	3314	62.5	59.4
		56.55	13.72	150.37	3621	3621	68.7	70.2
	C-90	34.23	8.05	161.70	3901	3901	74.5	78.5
		38.69	9.19	159.41	2366	2366	43.7	26.4
		43.16	10.36	157.07	3381	3381	63.3	52.3
		47.62	11.51	153.64	3732	3732	70.3	64.7
		52.09	12.65	152.50	4070	4070	77.3	77.0
		56.55	13.72	150.37	4386	4386	83.8	88.4
	C-95	34.23	8.05	161.70	2811	2811	51.9	28.5
		38.69	9.19	159.41	3189	3189	59.3	40.5
		43.16	10.36	157.07	3572	3572	66.8	54.0
177.8	C-95	47.62	11.51	153.64	3937	3937	74.2	67.2
		52.09	12.65	152.50	4297	4297	81.6	80.3
		56.55	13.72	150.37	4631	4631	88.5	92.7
	T-95	34.23	8.05	161.70	2811	2811	51.9	28.5
		38.69	9.19	159.41	3189	3189	59.3	40.5
		43.16	10.36	157.07	3572	3572	66.8	54.0
		47.62	11.51	153.64	3937	3937	74.2	67.2
		52.09	12.65	152.50	4297	4297	81.6	80.3
		56.55	13.72	150.37	4631	4631	88.5	92.7
	P-110	34.23	8.05	161.70	3256	3256	60.1	30.6
		38.69	9.19	159.41	3692	3692	68.7	43.0
		43.16	10.36	157.07	4132	4132	77.4	58.8
		47.62	11.51	153.64	4559	4559	85.9	74.3
		52.09	12.65	152.50	4978	4978	94.5	89.8
		56.55	13.72	150.37	5360	5360	102.4	104.4
	Q-125	34.23	8.05	161.70	3701	3701	68.3	32.1
		38.69	9.19	159.41	4199	4199	78.0	44.5
		43.16	10.36	157.07	4697	4697	87.9	62.8
		47.62	11.51	153.64	5182	5182	97.6	80.7
		52.09	12.65	152.50	5658	5658	107.3	98.7
177.8	Q-125	56.55	13.72	150.37	6094	6094	116.4	115.5

世特佳(SIDERCA)ST-L扣套管强度数据

外径 mm	钢级	单重 Kg/m	壁厚 mm	内径 mm	连接强度		管体抗内压 MPa	抗挤强度 MPa
					接头 KN	管体 KN		
127.0	L-80	19.35	6.43	114.15	730	1343	48.8	35.4
		22.32	7.52	111.96	890	1557	57.2	50.0
		26.79	9.19	108.61	1094	1877	69.9	72.4
	N-80	19.35	6.43	114.15	730	1343	48.8	35.4
		22.32	7.52	111.96	890	1557	57.2	50.0
		26.79	9.19	108.61	1094	1877	69.9	72.4
	P-110	19.35	6.43	114.15	1005	1846	67.2	40.3
		22.32	7.52	111.96	1219	2140	78.6	61.0
		26.79	9.19	108.61	1503	2580	96.1	92.9
139.7	L-80	20.83	6.20	127.30	765	1432	42.8	25.0
		23.07	6.99	125.73	792	1606	48.3	34.4
		25.30	7.72	124.26	934	1766	53.4	43.3
		29.76	9.17	121.36	1223	2073	63.4	60.9
		34.23	10.54	118.62	1486	2358	72.8	76.9
	N-80	20.83	6.20	127.30	765	1432	42.8	25.0
		23.07	6.99	125.73	792	1606	48.3	34.4
		25.30	7.72	124.26	934	1766	53.4	43.3
		29.76	9.17	121.36	1223	2073	63.4	60.9
		34.23	10.54	118.62	1486	2358	72.8	76.9
	P-110	20.83	6.20	127.30	1054	1971	58.9	29.2
139.7	P-110	23.07	6.99	125.73	1090	2211	66.4	38.8
		25.30	7.72	124.26	1286	2429	73.4	51.6
		29.76	9.17	121.36	1681	2851	87.1	76.5
		34.23	10.54	118.62	2042	3243	100.2	100.2

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压		抗挤强度 MPa
					园扣		偏梯扣 KN		园扣 MPa	偏梯扣 MPa	
					短扣 KN	长扣 KN					
114.3	T-95	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
	NT-80LS	17.26	6.35	101.60	—	992	1352	1188	53.6	53.6	43.9
		20.09	7.37	99.57	—	1201	1552	1366	62.2	62.2	58.9
		22.47	8.56	97.18	—	1446	1784	1570	72.3	67.6	76.4
	NT-95LS	17.26	6.35	101.60	—	1090	1503	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1321	1726	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	88.0
	NT-110LS	17.26	6.35	101.60	—	1241	1713	1632	73.7	73.7	52.3
		20.09	7.37	99.57	—	1503	1971	1877	85.6	85.6	73.7
		22.47	8.56	97.18	—	1806	2264	2157	99.4	92.9	98.9
	NT-80SS	17.26	6.35	101.60	—	943	1294	1188	53.6	53.6	43.9
		20.09	7.37	99.57	—	1143	1486	1366	62.2	62.2	58.9
		22.47	8.56	97.18	—	1370	1708	1570	72.3	67.6	76.4
	NT-85SS	17.26	6.35	101.60	—	970	1339	1263	57.0	57.0	45.5
		20.09	7.37	99.57	—	1179	1539	1450	66.1	66.1	61.6
		22.47	8.56	97.18	—	1415	1770	1668	76.8	71.8	80.5
	NT-90SS	17.26	6.35	101.60	—	992	1375	1334	60.3	60.3	47.0
		20.09	7.37	99.57	—	1201	1579	1535	70.0	70.0	64.1
		22.47	8.56	97.18	—	1446	1815	1766	81.4	76.0	84.3
114.3	NT-95SS	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
	NT-100SS	17.26	6.35	101.60	—	1090	1517	1486	67.0	67.0	49.8
		20.09	7.37	99.57	—	1321	1744	1708	77.8	77.8	69.1
		22.47	8.56	97.18	—	1588	2002	1962	90.4	84.5	91.7
	NT-105SS	17.26	6.35	101.60	—	1139	1588	1557	70.4	70.4	51.1
		20.09	7.37	99.57	—	1383	1824	1793	81.6	81.6	71.4
		22.47	8.56	97.18	—	1659	2095	2060	94.9	88.7	95.3
	NT-110SS	17.26	6.35	101.60	—	1192	1655	1632	73.7	73.7	52.3
		20.09	7.37	99.57	—	1441	1904	1877	85.6	85.6	73.7
		22.47	8.56	97.18	—	1730	2189	2157	99.4	92.9	98.9
	NT-85HSS	17.26	6.35	101.60	—	970	1339	1263	57.0	57.0	60.3
		20.09	7.37	99.57	—	1179	1539	1450	66.1	66.1	71.8
		22.47	8.56	97.18	—	1415	1770	1668	76.8	71.8	85.8
	NT-90HSS	17.26	6.35	101.60	—	992	1375	1334	60.3	60.3	62.9
		20.09	7.37	99.57	—	1201	1579	1535	70.0	70.0	74.9
		22.47	8.56	97.18	—	1446	1815	1766	81.4	76.0	89.5
	NT-95HS	17.26	6.35	101.60	—	1090	1503	1410	63.7	63.7	65.6
		20.09	7.37	99.57	—	1321	1726	1619	73.8	73.8	78.1
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	93.2
114.3	NT-95HSS	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	65.6
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	78.1
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	93.2
	NT-100HSS	17.26	6.35	101.60	—	1090	1517	1486	67.0	67.0	68.1
		20.09	7.37	99.57	—	1321	1744	1708	77.8	77.8	81.2
		22.47	8.56	97.18	—	1588	2002	1962	90.4	84.5	96.9
	NT-105HSS	17.26	6.35	101.60	—	1139	1588	1557	70.4	70.4	69.4
		20.09	7.37	99.57	—	1383	1824	1793	81.6	81.6	84.3
		22.47	8.56	97.18	—	1659	2095	2060	94.9	88.7	100.6
	NT-110HS	17.26	6.35	101.60	—	1241	1713	1632	73.7	73.7	69.4
		20.09	7.37	99.57	—	1503	1971	1877	85.6	85.6	93.1
		22.47	8.56	97.18	—	1806	2264	2157	99.4	92.9	111.2
	NT-110HSS	17.26	6.35	101.60	—	1192	1655	1632	73.7	73.7	69.4
		20.09	7.37	99.57	—	1441	1904	1877	85.6	85.6	87.2
		22.47	8.56	97.18	—	1730	2189	2157	99.4	92.9	104.2
	NT-95DS	17.26	6.35	101.60	—	1090	1503	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1321	1726	1619	73.8	73.8	66.6

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	88.0
	NT-125DS	17.26	6.35	101.60	—	1388	1922	1855	83.8	83.8	55.2
		20.09	7.37	99.57	—	1681	2211	2131	97.2	97.2	80.0
		22.47	8.56	97.18	—	2019	2540	2451	112.9	105.6	109.1
	NT-140DS	17.26	6.35	101.60	—	1486	2077	2077	93.8	93.8	57.2
		20.09	7.37	99.57	—	1802	2384	2389	108.9	108.9	85.5
114.3		22.47	8.56	97.18	—	2175	2740	2745	123.6	118.2	118.7
	NT-150DS	17.26	6.35	101.60	—	1588	2215	2229	100.5	100.5	58.1
		20.09	7.37	99.57	—	1922	2549	2558	116.7	116.7	88.8
		22.47	8.56	97.18	—	2309	2927	2940	123.6	119.8	124.9
	T-95	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	1850	83.0	81.2	82.9
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	104.5
		34.53	12.14	102.72	—	2522	2509	2869	88.6	81.2	113.3
		35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
	NT-80LS	22.32	7.52	111.96	—	1383	1761	1557	57.2	57.2	50.0
		26.79	9.19	108.61	—	1761	2122	1877	69.9	68.3	72.4
127.0		31.85	11.10	104.80	—	2180	2389	2229	74.6	68.3	88.0
		34.53	12.14	102.72	—	2402	2389	2415	74.6	68.3	95.4
		35.86	12.70	101.60	—	2522	2389	2513	74.6	68.3	99.3
	NT-95LS	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1939	2366	1850	83.0	81.2	82.9
		31.85	11.10	104.80	—	2398	2629	2647	88.6	81.2	104.5
		34.53	12.14	102.72	—	2642	2629	2869	88.6	81.2	113.3
		35.86	12.70	101.60	—	2771	2629	2989	88.6	81.2	117.9
	NT-110LS	22.32	7.52	111.96	—	1726	2237	2140	78.6	78.6	61.0
		26.79	9.19	108.61	—	2202	2696	2580	96.1	94.0	92.9
		31.85	11.10	104.80	—	2727	2985	3065	102.6	94.0	121.0
		34.53	12.14	102.72	—	3003	2985	3323	102.6	94.0	131.1
		35.86	12.70	101.60	—	3149	2985	3461	102.6	94.0	136.5
	NT-80SS	22.32	7.52	111.96	—	1312	1686	1557	57.2	57.2	50.0
		26.79	9.19	108.61	—	1673	2033	1877	69.9	68.3	72.4
		31.85	11.10	104.80	—	2073	2269	2229	74.6	68.3	88.0
		34.53	12.14	102.72	—	2282	2269	2415	74.6	68.3	95.4
127.0		35.86	12.70	101.60	—	2393	2269	2513	74.6	68.3	99.3
	NT-85SS	22.32	7.52	111.96	—	1357	1748	1655	60.7	60.7	52.1
		26.79	9.19	108.61	—	1726	2108	1993	74.3	72.6	76.0
		31.85	11.10	104.80	—	2140	2340	2366	79.3	72.6	93.5
		34.53	12.14	102.72	—	2353	2340	2567	79.3	72.6	101.4
		35.86	12.70	101.60	—	2469	2340	2673	79.3	72.6	105.5
	NT-90SS	22.32	7.52	111.96	—	1383	1797	1753	64.3	64.3	54.0
		26.79	9.19	108.61	—	1761	2166	2113	78.6	76.9	79.4
		31.85	11.10	104.80	—	2180	2389	2509	83.9	76.9	99.0
		34.53	12.14	102.72	—	2402	2389	2718	83.9	76.9	107.3
		35.86	12.70	101.60	—	2522	2389	2829	83.9	76.9	111.7
	NT-95SS	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
	NT-95SS	26.79	9.19	108.61	—	1850	2277	1850	83.0	81.2	82.9
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	104.5
		34.53	12.14	102.72	—	2522	2509	2869	88.6	81.2	113.3
		35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
	NT-100SS	22.32	7.52	111.96	—	1521	1979	1944	71.4	71.4	57.7
		26.79	9.19	108.61	—	1939	2389	2344	87.4	85.4	86.3
		31.85	11.10	104.80	—	2398	2629	2785	93.2	85.4	110.0
		34.53	12.14	102.72	—	2642	2629	3020	93.2	85.4	119.2
		35.86	12.70	101.60	—	2771	2629	3145	93.2	85.4	124.1
127.0	NT-105SS	22.32	7.52	111.96	—	1588	2073	2042	75.0	75.0	59.4
		26.79	9.19	108.61	—	2028	2495	2464	91.7	89.7	89.6
		31.85	11.10	104.80	—	2509	2745	2927	97.9	89.7	115.5
		34.53	12.14	102.72	—	2762	2745	3172	97.9	89.7	125.2

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压		抗挤强度 MPa
					园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN		园扣 MPa	偏梯扣 MPa	
		35.86	12.70	101.60	—	2900	2745	3301	97.9	89.7	130.3
	NT-110SS	22.32	7.52	111.96	—	1659	2162	2140	78.6	78.6	61.0
		26.79	9.19	108.61	—	2117	2607	2580	96.1	94.0	92.9
		31.85	11.10	104.80	—	2616	2865	3065	102.6	94.0	121.0
		34.53	12.14	102.72	—	2882	2865	3323	102.6	94.0	131.1
		35.86	12.70	101.60	—	3025	2865	3461	102.6	94.0	136.5
	NT-85HSS	22.32	7.52	111.96	—	1357	1748	1655	60.7	60.7	64.9
		26.79	9.19	108.61	—	1726	2108	1993	74.3	72.6	82.4
	NT-85HSS	31.85	11.10	104.80	—	2140	2340	2366	79.3	72.6	102.9
		34.53	12.14	102.72	—	2353	2340	2567	79.3	72.6	114.4
		35.86	12.70	101.60	—	2469	2340	2673	79.3	72.6	120.6
	NT-90HSS	22.32	7.52	111.96	—	1383	1797	1753	64.3	64.3	67.8
		26.79	9.19	108.61	—	1761	2166	2113	78.6	76.9	86.0
		34.53	12.14	102.72	—	2402	2389	2718	83.9	76.9	119.4
		35.86	12.70	101.60	—	2522	2389	2829	83.9	76.9	126.0
	NT-95HS	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	70.7
		26.79	9.19	108.61	—	1939	2366	1850	83.0	81.2	89.6
		31.85	11.10	104.80	—	2398	2629	2647	88.6	81.2	111.9
127.0		34.53	12.14	102.72	—	2642	2629	2869	88.6	81.2	124.4
		35.86	12.70	101.60	—	2771	2629	2989	88.6	81.2	131.2
	NT-95HSS	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	70.7
		26.79	9.19	108.61	—	1850	2277	1850	83.0	81.2	89.6
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	111.9
		34.53	12.14	102.72	—	2522	2509	2869	88.6	81.2	124.4
		35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	131.2
	NT-100HSS	22.32	7.52	111.96	—	1521	1979	1944	71.4	71.4	73.4
		26.79	9.19	108.61	—	1939	2389	2344	87.4	85.4	93.1
		31.85	11.10	104.80	—	2398	2629	2785	93.2	85.4	116.3
		34.53	12.14	102.72	—	2642	2629	3020	93.2	85.4	129.3
	NT-100HSS	35.86	12.70	101.60	—	2771	2629	3145	93.2	85.4	136.4
	NT-105HSS	22.32	7.52	111.96	—	1588	2073	2042	75.0	75.0	76.2
		26.79	9.19	108.61	—	2028	2495	2464	91.7	89.7	96.7
		31.85	11.10	104.80	—	2509	2745	2927	97.9	89.7	120.7
		34.53	12.14	102.72	—	2762	2745	3172	97.9	89.7	134.2
		35.86	12.70	101.60	—	2900	2745	3301	97.9	89.7	141.5
	NT-110HS	22.32	7.52	111.96	—	1726	2237	2140	78.6	78.6	82.7
		26.79	9.19	108.61	—	2202	2696	2580	96.1	94.0	106.9
		31.85	11.10	104.80	—	2727	2985	3065	102.6	94.0	133.5
		34.53	12.14	102.72	—	3003	2985	3323	102.6	94.0	148.4
127.0		35.86	12.70	101.60	—	3149	2985	3461	102.6	94.0	156.5
	NT-110HSS	22.32	7.52	111.96	—	1659	2162	2140	78.6	78.6	78.9
		26.79	9.19	108.61	—	2117	2607	2580	96.1	94.0	100.1
		31.85	11.10	104.80	—	2616	2865	3065	102.6	94.0	125.0
		34.53	12.14	102.72	—	2882	2865	3323	102.6	94.0	138.9
		35.86	12.70	101.60	—	3025	2865	3461	102.6	94.0	146.5
	NT-95DS	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1939	2366	1850	83.0	81.2	82.9
		31.85	11.10	104.80	—	2398	2629	2647	88.6	81.2	104.5
		34.53	12.14	102.72	—	2642	2629	2869	88.6	81.2	113.3
		35.86	12.70	101.60	—	2771	2629	2989	88.6	81.2	117.9
	NT-125DS	22.32	7.52	111.96	—	1935	2513	2433	89.3	89.3	65.4
		26.79	9.19	108.61	—	2469	3029	2931	109.2	106.8	102.2
		31.85	11.10	104.80	—	3051	3345	3483	110.3	106.8	137.5
		34.53	12.14	102.72	—	3363	3345	3777	110.3	106.8	149.1
		35.86	12.70	101.60	—	3527	3345	3932	110.3	106.8	155.1
	NT-140DS	22.32	7.52	111.96	—	2073	2713	2722	100.0	100.0	68.8
		26.79	9.19	108.61	—	2642	3269	3283	110.3	119.6	110.8
127.0		31.85	11.10	104.80	—	3269	3581	3901	110.3	119.6	154.0
		34.53	12.14	102.72	—	3603	3581	4230	110.3	119.6	166.9

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		35.86	12.70	101.60	—	3781	3581	4404	110.3	119.6	173.7
		22.32	7.52	111.96	—	2211	2896	2918	107.1	107.1	70.7
		26.79	9.19	108.61	—	2820	3492	3519	110.3	128.2	116.2
	NT-150DS	31.85	11.10	104.80	—	3492	3821	4181	110.3	128.2	165.0
		34.53	12.14	102.72	—	3843	3821	4533	110.3	128.2	178.8
		35.86	12.70	101.60	—	4035	3821	4715	110.3	128.2	186.2
		39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
193.7	T-95	50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	85.6
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.2	94.3
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	98.6
	T-95	76.19	17.45	158.78	—	5680	5787	6330	81.4	80.2	107.4
		82.30	19.05	155.58	—	6205	5787	6846	81.4	80.2	116.2
		39.29	8.33	177.01	—	2180	2825	2678	41.5	41.5	23.4
		44.20	9.52	174.63	—	2558	3332	3038	47.5	47.5	33.0
		50.15	10.92	171.83	—	2998	3790	3461	54.5	54.5	45.2
	NT-80LS	58.04	12.70	168.28	—	3550	4364	3981	63.3	63.3	60.8
		63.69	14.27	165.13	—	4030	4862	4439	71.2	67.5	74.6
		67.41	15.11	163.45	—	4279	5124	4675	72.4	67.5	79.4
		70.09	15.88	161.93	—	4506	5360	4893	72.4	67.5	83.0
193.7		39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2971	3741	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	50.1
	NT-95LS	58.04	12.70	168.28	—	4119	4897	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.2	85.6
		67.41	15.11	163.45	—	4964	5752	5551	81.4	80.2	94.3
		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.2	98.6
		39.29	8.33	177.01	—	2909	3759	3679	57.1	57.1	27.0
	NT-110LS	44.20	9.52	174.63	—	3421	4270	4181	65.3	65.3	36.9
		50.15	10.92	171.83	—	4008	4862	4755	74.9	74.9	54.3
		58.04	12.70	168.28	—	4742	5596	5476	81.4	87.0	76.4
		63.69	14.27	165.13	—	5382	6236	6103	81.4	87.4	96.0
	NT-110LS	67.41	15.11	163.45	—	5716	6570	6428	81.4	87.4	106.5
		70.09	15.88	161.93	—	6018	6873	6726	81.4	87.4	114.1
		39.29	8.33	177.01	—	2144	2825	2678	41.5	41.5	23.4
		44.20	9.52	174.63	—	2522	3207	3038	47.5	47.5	33.0
		50.15	10.92	171.83	—	2954	3648	3461	54.5	54.5	45.2
	NT-80SS	58.04	12.70	168.28	—	3496	4204	3981	63.3	63.3	60.8
		63.69	14.27	165.13	—	3963	4684	4439	71.2	67.5	74.6
		67.41	15.11	163.45	—	4212	4933	4675	72.4	67.5	79.4
		70.09	15.88	161.93	—	4435	5160	4893	72.4	67.5	83.0
193.7		39.29	8.33	177.01	—	2260	2936	2842	44.1	44.1	24.2
		44.20	9.52	174.63	—	2656	3336	3229	50.5	50.5	33.9
		50.15	10.92	171.83	—	3109	3794	3674	57.8	57.8	47.0
	NT-85SS	58.04	12.70	168.28	—	3683	4368	4230	67.2	67.2	63.6
		63.69	14.27	165.13	—	4177	4871	4715	75.6	71.7	78.3
		67.41	15.11	163.45	—	4435	5133	4969	76.9	71.7	84.3
		70.09	15.88	161.93	—	4671	5369	5196	76.9	71.7	88.2
		39.29	8.33	177.01	—	2366	3029	3011	46.7	46.7	24.9
	NT-90SS	44.20	9.52	174.63	—	2780	3438	3421	53.4	53.4	34.7
		50.15	10.92	171.83	—	3261	3914	3892	61.2	61.2	48.6
		58.04	12.70	168.28	—	3857	4506	4479	71.2	71.2	66.3
		63.69	14.27	165.13	—	4377	5022	4991	80.0	76.0	82.0
		67.41	15.11	163.45	—	4648	5289	5262	81.4	76.0	89.3
	NT-90SS	70.09	15.88	161.93	—	4893	5511	5502	81.4	76.0	93.4
		76.19	17.45	158.78	—	5391	5511	5996	81.4	76.0	101.8
		82.30	19.05	155.58	—	5889	5511	6486	81.4	76.0	110.0

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
193.7	NT-95SS	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	85.6
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.2	94.3
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	98.6
		76.19	17.45	158.78	—	5680	5787	6330	81.4	80.2	107.4
		82.30	19.05	155.58	—	6205	5787	6846	81.4	80.2	116.2
	NT-100SS	39.29	8.33	177.01	—	2620	3341	3345	51.9	51.9	26.1
		44.20	9.52	174.63	—	3083	3794	3799	59.4	59.4	36.0
		50.15	10.92	171.83	—	3612	4315	4324	68.1	68.1	51.6
		58.04	12.70	168.28	—	4270	4969	4978	79.2	79.2	71.6
		63.69	14.27	165.13	—	4849	5538	5547	81.4	84.4	89.1
		67.41	15.11	163.45	—	5147	5836	5845	81.4	84.4	98.5
		70.09	15.88	161.93	—	5418	6063	6112	81.4	84.4	103.8
193.7	NT-105SS	39.29	8.33	177.01	—	2749	3496	3514	54.5	54.5	26.7
		44.20	9.52	174.63	—	3229	3972	3990	62.3	62.3	36.5
		50.15	10.92	171.83	—	3785	4519	4542	71.4	71.4	53.0
		58.04	12.70	168.28	—	4479	5204	5227	81.4	83.1	74.0
		63.69	14.27	165.13	—	5084	5796	5823	81.4	87.4	92.6
		67.41	15.11	163.45	—	5400	6107	6139	81.4	87.4	102.5
		70.09	15.88	161.93	—	5685	6339	6419	81.4	87.4	108.9
	NT-110SS	39.29	8.33	177.01	—	2878	3652	3679	57.1	57.1	27.0
		44.20	9.52	174.63	—	3381	4150	4181	65.3	65.3	36.9
		50.15	10.92	171.83	—	3963	4720	4755	74.9	74.9	54.3
		58.04	12.70	168.28	—	4688	5436	5476	81.4	87.0	76.4
		63.69	14.27	165.13	—	5320	6058	6103	81.4	87.4	96.0
		67.41	15.11	163.45	—	5649	6383	6428	81.4	87.4	106.5
		70.09	15.88	161.93	—	5947	6615	6726	81.4	87.4	114.1
	NT-85HSS	39.29	8.33	177.01	—	2260	2936	2842	44.1	44.1	34.5
		44.20	9.52	174.63	—	2656	3336	3229	50.5	50.5	49.6
		50.15	10.92	171.83	—	3109	3794	3674	57.8	57.8	61.4
		58.04	12.70	168.28	—	3683	4368	4230	67.2	67.2	73.3
		63.69	14.27	165.13	—	4177	4871	4715	75.6	71.7	84.1
		67.41	15.11	163.45	—	4435	5133	4969	76.9	71.7	90.0
		70.09	15.88	161.93	—	4671	5369	5196	76.9	71.7	95.4
	NT-90HSS	39.29	8.33	177.01	—	2366	3029	3011	46.7	46.7	34.5
		44.20	9.52	174.63	—	2780	3438	3421	53.4	53.4	49.6
		50.15	10.92	171.83	—	3261	3914	3892	61.2	61.2	64.1
		58.04	12.70	168.28	—	3857	4506	4479	71.2	71.2	76.5
		63.69	14.27	165.13	—	4377	5022	4991	80.0	76.0	87.8
		67.41	15.11	163.45	—	4648	5289	5262	81.4	76.0	94.0
		70.09	15.88	161.93	—	4893	5511	5502	81.4	76.0	99.6
193.7	NT-95HS	39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	34.5
		44.20	9.52	174.63	—	2971	3741	3608	56.4	56.4	49.6
		50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	66.7
		58.04	12.70	168.28	—	4119	4897	4728	75.2	75.2	79.7
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.2	91.5
		67.41	15.11	163.45	—	4964	5752	5551	81.4	80.2	97.9
		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.2	103.8
	NT-95HSS	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	34.5
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	49.6
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	66.7
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	79.7
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	91.5
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.2	97.9
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	103.8
		39.29	8.33	177.01	—	2620	3341	3345	51.9	51.9	34.5

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
193.7	NT-100HSS	44.20	9.52	174.63	—	3083	3794	3799	59.4	59.4	49.6
		50.15	10.92	171.83	—	3612	4315	4324	68.1	68.1	69.4
		58.04	12.70	168.28	—	4270	4969	4978	79.2	79.2	82.9
		63.69	14.27	165.13	—	4849	5538	5547	81.4	84.4	95.1
		67.41	15.11	163.45	—	5147	5836	5845	81.4	84.4	101.8
		70.09	15.88	161.93	—	5418	6063	6112	81.4	84.4	107.8
	NT-105HSS	39.29	8.33	177.01	—	2749	3496	3679	54.5	54.5	34.5
		44.20	9.52	174.63	—	3229	3972	3990	62.3	62.3	49.6
		50.15	10.92	171.83	—	3785	4519	4542	71.4	71.4	72.0
		58.04	12.70	168.28	—	4479	5204	5227	81.4	83.1	86.0
		63.69	14.27	165.13	—	5084	5796	5823	81.4	87.4	98.7
		67.41	15.11	163.45	—	5400	6107	6139	81.4	87.4	105.6
		70.09	15.88	161.93	—	5685	6339	6419	81.4	87.4	111.9
	NT-110HS	39.29	8.33	177.01	—	2909	3759	3679	57.1	57.1	34.5
		44.20	9.52	174.63	—	3421	4270	4181	65.3	65.3	49.6
		50.15	10.92	171.83	—	4008	4862	4755	74.9	74.9	72.3
		63.69	14.27	165.13	—	5382	6236	6103	81.4	87.4	109.1
		67.41	15.11	163.45	—	5716	6570	6428	81.4	87.4	116.8
		70.09	15.88	161.93	—	6018	6873	6726	81.4	87.4	123.8
	NT-110HSS	39.29	8.33	177.01	—	2878	3652	3679	57.1	57.1	34.5
193.7	NT-110HSS	44.20	9.52	174.63	—	3381	4150	4181	65.3	65.3	49.6
		50.15	10.92	171.83	—	3963	4720	4755	74.9	74.9	72.3
		58.04	12.70	168.28	—	4688	5436	5476	81.4	87.0	89.1
		63.69	14.27	165.13	—	5320	6058	6103	81.4	87.4	102.2
		67.41	15.11	163.45	—	5649	6383	6428	81.4	87.4	109.4
		70.09	15.88	161.93	—	5947	6615	6726	81.4	87.4	115.9
	NT-95DS	39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2971	3741	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4119	4897	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.2	85.6
		67.41	15.11	163.45	—	4964	5752	5551	81.4	80.2	94.3
		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.2	98.6
	NT-125DS	39.29	8.33	177.01	—	3292	4230	4181	64.9	64.9	27.9
		44.20	9.52	174.63	—	3870	4804	4751	74.2	74.2	39.1
		50.15	10.92	171.83	—	4537	5467	5405	81.4	85.1	57.5
		58.04	12.70	168.28	—	5369	6294	6223	81.4	87.4	83.2
		63.69	14.27	165.13	—	6090	7015	6935	81.4	87.4	105.8
		67.41	15.11	163.45	—	6468	7388	7308	81.4	87.4	118.0
		70.09	15.88	161.93	—	6810	7718	7642	81.4	87.4	128.9
	NT-140DS	39.29	8.33	177.01	—	3643	4591	4684	72.7	72.7	28.1
193.7	NT-140DS	44.20	9.52	174.63	—	4279	5213	5320	81.4	83.1	40.9
		50.15	10.92	171.83	—	5018	5934	6054	81.4	87.4	59.9
		58.04	12.70	168.28	—	5938	6832	6970	81.4	87.4	89.1
		63.69	14.27	165.13	—	6735	7611	7767	81.4	87.4	115.0
		67.41	15.11	163.45	—	7157	8020	8185	81.4	87.4	128.7
		70.09	15.88	161.93	—	7531	8265	8558	81.4	87.4	141.3
	NT-150DS	39.29	8.33	177.01	—	3897	4902	5018	77.8	77.8	28.1
		44.20	9.52	174.63	—	4582	5569	5698	81.4	87.4	41.7
		50.15	10.92	171.83	—	5369	6334	6486	81.4	87.4	61.0
		58.04	12.70	168.28	—	6352	7295	7469	81.4	87.4	92.7
		63.69	14.27	165.13	—	7206	8127	8323	81.4	87.4	120.7
		67.41	15.11	163.45	—	7655	8567	8767	81.4	87.4	135.7
		70.09	15.88	161.93	—	8060	8816	9172	81.4	87.4	149.3
244.5	T-95	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
		69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
		88.40	15.47	213.54	—	6116	7197	7291	—	63.2	64.3

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		96.58	17.07	210.34	—	6784	7882	7989	—	63.2	77.6
		104.62	18.64	207.19	—	7429	8207	8665	—	63.2	90.8
		112.51	20.24	203.99	—	8078	8207	9341	—	63.2	99.5
244.5	NT-80LS	59.53	10.03	224.41	—	3278	4355	4075	39.6	39.6	21.3
		64.74	11.05	222.38	—	3670	4777	4470	43.6	43.6	26.3
		69.94	11.99	220.50	—	4026	5164	4831	47.4	47.4	32.8
		79.62	13.84	216.79	—	4724	5912	5534	54.7	54.7	45.6
		86.91	15.11	214.25	—	5191	6419	6005	58.3	59.6	54.5
		90.93	15.88	212.73	—	5471	6721	6290	58.3	60.9	59.7
	NT-95LS	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	28.5
		69.94	11.99	220.50	—	4684	5832	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5494	6681	6570	58.3	63.2	50.6
		86.91	15.11	214.25	—	6036	7255	7135	58.3	63.2	61.2
		90.93	15.88	212.73	—	6361	7593	7469	58.3	63.2	67.6
	NT-110LS	59.53	10.03	224.41	—	4395	5631	5605	54.5	54.5	23.9
		64.74	11.05	222.38	—	4915	6174	6143	58.3	60.0	30.5
		69.94	11.99	220.50	—	5396	6672	6641	58.3	63.2	36.5
		79.62	13.84	216.79	—	6325	7642	7606	58.3	63.2	54.8
		86.91	15.11	214.25	—	6953	8296	8260	58.3	63.2	67.4
		90.93	15.88	212.73	—	7326	8687	8647	58.3	63.2	74.9
	NT-80SS	59.53	10.03	224.41	—	3234	4212	4075	39.6	39.6	21.3
		64.74	11.05	222.38	—	3616	4617	4470	43.6	43.6	26.3
		69.94	11.99	220.50	—	3972	4991	4831	47.4	47.4	32.8
244.5	NT-80SS	79.62	13.84	216.79	—	4657	5716	5534	54.7	54.7	45.6
		86.91	15.11	214.25	—	5120	6210	6005	58.3	59.6	54.5
		90.93	15.88	212.73	—	5396	6499	6290	58.3	60.9	59.7
	NT-85SS	59.53	10.03	224.41	—	3412	4390	4333	42.1	42.1	21.9
		64.74	11.05	222.38	—	3812	4813	4751	46.3	46.3	26.8
		69.94	11.99	220.50	—	4186	5204	5133	50.3	50.3	33.7
		79.62	13.84	216.79	—	4906	5961	5876	58.1	58.1	47.4
		86.91	15.11	214.25	—	5396	6472	6383	58.3	63.2	56.8
		90.93	15.88	212.73	—	5685	6775	6681	58.3	63.2	62.5
	NT-90SS	59.53	10.03	224.41	—	3576	4542	4586	44.5	44.5	22.5
		64.74	11.05	222.38	—	3999	4978	5026	49.1	49.1	27.6
		69.94	11.99	220.50	—	4390	5382	5436	53.2	53.2	34.4
		79.62	13.84	216.79	—	5147	6165	6223	58.3	61.5	49.0
		86.91	15.11	214.25	—	5658	6695	6757	58.3	63.2	59.0
		88.40	15.47	213.54	—	5800	6841	6904	—	63.2	61.8
		90.93	15.88	212.73	—	5961	7006	7073	58.3	63.2	65.1
		96.58	17.07	210.34	—	6437	7495	7566	—	63.2	74.5
		104.62	18.64	207.19	—	7050	7820	8207	—	63.2	86.9
		112.51	20.24	203.99	—	7664	7820	8848	—	63.2	94.3
	NT-95SS	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
244.5	NT-95SS	69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
		86.91	15.11	214.25	—	5965	7042	7135	58.3	63.2	61.2
		88.40	15.47	213.54	—	6116	7197	7291	—	63.2	64.3
		90.93	15.88	212.73	—	6285	7371	7469	58.3	63.2	67.6
		96.58	17.07	210.34	—	6784	7882	7989	—	63.2	77.6
		104.62	18.64	207.19	—	7429	8207	8665	—	63.2	90.8
		112.51	20.24	203.99	—	8078	8207	9341	—	63.2	99.5
	NT-100SS	59.53	10.03	224.41	—	3963	5013	5093	49.5	49.5	23.3
		64.74	11.05	222.38	—	4435	5498	5587	54.5	54.5	29.2
		69.94	11.99	220.50	—	4862	5943	6036	58.3	59.2	35.7
		79.62	13.84	216.79	—	5703	6806	6917	58.3	63.2	52.1
		86.91	15.11	214.25	—	6272	7388	7509	58.3	63.2	63.4
		90.93	15.88	212.73	—	6610	7735	7860	58.3	63.2	70.2

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	NT-105SS	59.53	10.03	224.41	—	4155	5249	5351	52.0	52.0	23.7
		64.74	11.05	222.38	—	4648	5756	5867	57.2	57.2	29.9
		69.94	11.99	220.50	—	5102	6223	6339	58.3	62.1	36.1
		79.62	13.84	216.79	—	5983	7126	7259	58.3	63.2	53.5
		86.91	15.11	214.25	—	6579	7735	7882	58.3	63.2	65.4
		90.93	15.88	212.73	—	6930	8100	8256	58.3	63.2	72.5
	NT-110SS	59.53	10.03	224.41	—	4350	5485	5605	54.5	54.5	23.9
244.5	NT-110SS	64.74	11.05	222.38	—	4866	6014	6143	58.3	60.0	30.5
		69.94	11.99	220.50	—	5338	6503	6641	58.3	63.2	36.5
		79.62	13.84	216.79	—	6259	7446	7606	58.3	63.2	54.8
		86.91	15.11	214.25	—	6881	8087	8260	58.3	63.2	67.4
		90.93	15.88	212.73	—	7251	8465	8647	58.3	63.2	74.9
	NT-85HSS	59.53	10.03	224.41	—	3412	4390	4333	42.1	42.1	30.3
		64.74	11.05	222.38	—	3812	4813	4751	46.3	46.3	39.4
		69.94	11.99	220.50	—	4186	5204	5133	50.3	50.3	49.3
		79.62	13.84	216.79	—	4906	5961	5876	58.1	58.1	61.6
		86.91	15.11	214.25	—	5396	6472	6383	58.3	63.2	68.4
		90.93	15.88	212.73	—	5685	6775	6681	58.3	63.2	72.5
	NT-90HSS	59.53	10.03	224.41	—	3576	4542	4586	44.5	44.5	30.3
		64.74	11.05	222.38	—	3999	4978	5026	49.1	49.1	39.4
		69.94	11.99	220.50	—	4390	5382	5436	53.2	53.2	49.3
		79.62	13.84	216.79	—	5147	6165	6223	58.3	61.5	64.3
		86.91	15.11	214.25	—	5658	6695	6757	58.3	63.2	71.4
		90.93	15.88	212.73	—	5961	7006	7073	58.3	63.2	75.6
	NT-95HS	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	30.3
		64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	39.4
		69.94	11.99	220.50	—	4684	5832	5734	56.2	56.2	49.3
		79.62	13.84	216.79	—	5494	6681	6570	58.3	63.2	67.0
	NT-95HS	86.91	15.11	214.25	—	6036	7255	7135	58.3	63.2	74.3
		90.93	15.88	212.73	—	6361	7593	7469	58.3	63.2	78.8
	NT-95HSS	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	30.3
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	39.4
		69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	49.3
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	67.0
		86.91	15.11	214.25	—	5965	7042	7135	58.3	63.2	74.3
		90.93	15.88	212.73	—	6285	7371	7469	58.3	63.2	78.8
	NT-100HSS	59.53	10.03	224.41	—	3963	5013	5093	49.5	49.5	30.3
		64.74	11.05	222.38	—	4435	5498	5587	54.5	54.5	39.4
244.5		69.94	11.99	220.50	—	4862	5943	6036	58.3	59.2	49.3
		79.62	13.84	216.79	—	5703	6806	6917	58.3	63.2	69.7
		86.91	15.11	214.25	—	6272	7388	7509	58.3	63.2	77.3
		90.93	15.88	212.73	—	6610	7735	7860	58.3	63.2	81.9
	NT-105HSS	59.53	10.03	224.41	—	4155	5249	5351	52.0	52.0	30.3
		64.74	11.05	222.38	—	4648	5756	5867	57.2	57.2	39.4
		69.94	11.99	220.50	—	5102	6223	6339	58.3	62.1	49.3
		79.62	13.84	216.79	—	5983	7126	7259	58.3	63.2	72.3
		86.91	15.11	214.25	—	6579	7735	7882	58.3	63.2	80.2
		90.93	15.88	212.73	—	6930	8100	8256	58.3	63.2	85.0
	NT-110HS	59.53	10.03	224.41	—	4395	5631	5605	54.5	54.5	30.3
	NT-110HS	64.74	11.05	222.38	—	4915	6174	6143	58.3	60.0	39.4
		69.94	11.99	220.50	—	5396	6672	6641	58.3	63.2	49.3
		79.62	13.84	216.79	—	6325	7642	7606	58.3	63.2	73.2
		86.91	15.11	214.25	—	6953	8296	8260	58.3	63.2	88.7
		90.93	15.88	212.73	—	7326	8687	8647	58.3	63.2	94.0
	NT-110HSS	59.53	10.03	224.41	—	4350	5485	5605	54.5	54.5	30.3
		64.74	11.05	222.38	—	4866	6014	6143	58.3	60.0	39.4
		69.94	11.99	220.50	—	5338	6503	6641	58.3	63.2	49.3
		79.62	13.84	216.79	—	6259	7446	7606	58.3	63.2	73.2
		86.91	15.11	214.25	—	6881	8087	8260	58.3	63.2	83.1

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
244.5		90.93	15.88	212.73	—	7251	8465	8647	58.3	63.2	88.0
	NT-95DS	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	28.5
		69.94	11.99	220.50	—	4684	5832	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5494	6681	6570	58.3	63.2	50.6
		86.91	15.11	214.25	—	6036	7255	7135	58.3	63.2	61.2
		90.93	15.88	212.73	—	6361	7593	7469	58.3	63.2	67.6
	NT-125DS	59.53	10.03	224.41	—	4973	6339	6370	58.3	61.9	24.3
		64.74	11.05	222.38	—	5565	6953	6984	58.3	63.2	31.9
		69.94	11.99	220.50	—	6107	7513	7549	58.3	63.2	38.8
		79.62	13.84	216.79	—	7162	8603	8643	58.3	63.2	58.2
	NT-125DS	86.91	15.11	214.25	—	7873	9341	9386	58.3	63.2	72.7
		90.93	15.88	212.73	—	8296	9782	9826	58.3	63.2	81.4
	NT-140DS	59.53	10.03	224.41	—	5511	6904	7135	58.3	63.2	24.3
		64.74	11.05	222.38	—	6165	7571	7820	58.3	63.2	32.6
		69.94	11.99	220.50	—	6761	8180	8452	58.3	63.2	40.6
		79.62	13.84	216.79	—	7931	9372	9684	58.3	63.2	60.6
244.5		86.91	15.11	214.25	—	8719	10173	10511	58.3	63.2	77.2
		90.93	15.88	212.73	—	9186	10653	11005	58.3	63.2	87.1
	NT-150DS	59.53	10.03	224.41	—	5898	7375	7642	58.3	63.2	24.3
		64.74	11.05	222.38	—	6597	8087	8380	58.3	63.2	32.8
		69.94	11.99	220.50	—	7237	8741	9057	58.3	63.2	41.4
		79.62	13.84	216.79	—	8487	10013	10373	58.3	63.2	61.8
		86.91	15.11	214.25	—	9332	10871	11263	58.3	63.2	79.8
		90.93	15.88	212.73	—	9831	11383	11792	58.3	63.2	90.5
	N-80	93.46	15.88	219.08	—	4293	5454	6463	58.3	60.9	57.0
	L-80	93.46	15.88	219.08	—	4235	5271	6463	58.3	60.9	57.0
	C-90	93.46	15.88	219.08	—	4680	5685	7273	58.3	63.2	61.9
250.8	C-95	93.46	15.88	219.08	—	4933	5978	7673	58.3	63.2	64.3
	T-95	93.46	15.88	219.08	—	4933	5978	7673	58.3	63.2	64.3
	P-110	93.46	15.88	219.08	—	5752	7046	8888	66.9	63.2	70.9
	Q-125	93.46	15.88	219.08	—	6454	7753	10097	66.9	63.2	76.8
	NT-80LS	93.46	15.88	219.08	—	4293	5454	6463	58.3	60.9	57.0
	NT-95LS	93.46	15.88	219.08	—	4995	6161	7673	58.3	63.2	64.3
	NT-110LS	93.46	15.88	219.08	—	5752	7046	8888	66.9	63.2	70.9
	NT-80SS	93.46	15.88	219.08	—	4235	5271	6463	58.3	60.9	57.0
	NT-85SS	93.46	15.88	219.08	—	4466	5494	6868	58.3	63.2	59.5
	NT-90SS	93.46	15.88	219.08	—	4680	5685	7273	58.3	63.2	61.9
	NT-95SS	93.46	15.88	219.08	—	4933	5978	7673	58.3	63.2	64.3
	NT-100SS	93.46	15.88	219.08	—	5009	6276	8078	58.3	63.2	66.6
	NT-105SS	93.46	15.88	219.08	—	5440	6570	8483	58.3	63.2	68.7
	NT-110SS	93.46	15.88	219.08	—	5694	6868	8888	66.9	63.2	70.9
250.8	NT-85HSS	93.46	15.88	219.08	—	4466	5494	6868	58.3	63.2	70.3
	NT-90HSS	93.46	15.88	219.08	—	4680	5685	7273	58.3	63.2	73.4
	NT-95HS	93.46	15.88	219.08	—	4995	6161	7673	58.3	63.2	76.5
	NT-95HSS	93.46	15.88	219.08	—	4933	5978	7673	58.3	63.2	76.5
	NT-100HSS	93.46	15.88	219.08	—	5009	6276	8078	58.3	63.2	79.5
	NT-105HSS	93.46	15.88	219.08	—	5440	6570	8483	58.3	63.2	82.5
	NT-110HS	93.46	15.88	219.08	—	5752	7046	8888	66.9	63.2	91.2
	NT-110HSS	93.46	15.88	219.08	—	5694	6868	8888	66.9	63.2	85.4
	NT-95DS	93.46	15.88	219.08	—	4995	6161	7673	58.3	63.2	64.3
	NT-125DS	93.46	15.88	219.08	—	6512	7931	10097	66.9	63.2	76.8
	NT-140DS	93.46	15.88	219.08	—	7215	8638	11312	66.9	63.2	81.8
250.8	NT-150DS	93.46	15.88	219.08	—	7718	9230	12117	66.9	63.2	84.8
	T-95	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	245.11	5618	—	7851	8020	47.4	51.4	48.0
		108.93	17.07	235.74	—	—	—	8990	—	—	62.7

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		117.86	18.64	232.59	—	—	—	9759	—	—	74.5
		126.94	20.24	229.39	—	—	—	10529	—	—	86.5
		75.90	11.43	250.19	3576	—	5462	5182	40.4	40.4	22.2
		82.59	12.57	247.90	3981	—	5983	5676	44.5	44.5	27.7
	NT-80LS	90.33	13.84	245.36	—	—	6552	6219	—	49.0	35.6
273.1		97.77	15.11	242.82	—	—	7117	6757	—	51.4	43.5
		105.81	16.51	240.03	—	—	7735	7340	—	51.4	52.1
		75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4639	—	6779	6739	47.4	51.4	29.6
	NT-95LS	90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	48.0
		105.81	16.51	240.03	—	—	8767	8714	—	51.4	58.5
		75.90	11.43	250.19	4800	—	7090	7126	54.4	51.4	25.2
	NT-110LS	82.59	12.57	247.90	5347	—	7762	7802	54.4	51.4	31.8
		90.33	13.84	245.36	5947	—	8505	8549	54.4	51.4	40.5
	NT-110LS	97.77	15.11	242.82	6543	—	9239	9288	54.4	51.4	51.8
		105.81	16.51	240.03	—	—	10040	10093	—	51.4	64.1
		75.90	11.43	250.19	3532	—	5293	5182	40.4	40.4	22.2
		82.59	12.57	247.90	3932	—	5796	5676	44.5	44.5	27.7
	NT-80SS	90.33	13.84	245.36	—	—	6352	6219	—	49.0	35.6
		97.77	15.11	242.82	—	—	6899	6757	—	51.4	43.5
		105.81	16.51	240.03	—	—	7495	7340	—	51.4	52.1
		75.90	11.43	250.19	3723	—	5525	5507	43.0	43.0	22.9
		82.59	12.57	247.90	4150	—	6050	6032	47.2	47.2	28.3
	NT-85SS	90.33	13.84	245.36	—	—	6628	6606	—	51.4	36.7
273.1		97.77	15.11	242.82	—	—	7202	7175	—	51.4	45.1
		105.81	16.51	240.03	—	—	7824	7798	—	51.4	54.3
		75.90	11.43	250.19	3910	—	5725	5832	45.4	45.4	23.4
		82.59	12.57	247.90	4355	—	6268	6383	47.4	50.0	28.7
		90.33	13.84	245.36	4844	—	6868	6997	47.4	51.4	37.6
	NT-90SS	97.77	15.11	242.82	5329	—	7460	7598	47.4	51.4	46.6
		105.81	16.51	240.03	—	—	8105	8256	—	51.4	56.5
		108.93	17.07	235.74	—	—	—	8518	—	—	60.4
		117.86	18.64	232.59	—	—	—	9248	—	—	71.5
		126.94	20.24	229.39	—	—	—	9977	—	—	82.8
	NT-95SS	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	48.0
	NT-95SS	105.81	16.51	240.03	—	—	8532	8714	—	51.4	58.5
		108.93	17.07	235.74	—	—	—	8990	—	—	62.7
		117.86	18.64	232.59	—	—	—	9759	—	—	74.5
		126.94	20.24	229.39	—	—	—	10529	—	—	86.5
		75.90	11.43	250.19	4333	—	6321	6477	47.4	50.5	24.5
		82.59	12.57	247.90	4826	—	6921	7095	47.4	51.4	30.3
	NT-100SS	90.33	13.84	245.36	5369	—	7584	7771	47.4	51.4	39.3
273.1		97.77	15.11	242.82	5907	—	8243	8443	47.4	51.4	49.4
		105.81	16.51	240.03	—	—	8954	9172	—	51.4	60.5
		75.90	11.43	250.19	4546	—	6619	6801	47.4	51.4	25.0
		82.59	12.57	247.90	5062	—	7251	7446	47.4	51.4	31.2
	NT-105SS	90.33	13.84	245.36	5631	—	7945	8162	47.4	51.4	39.9
		97.77	15.11	242.82	6196	—	8630	8865	47.4	51.4	50.6
		105.81	16.51	240.03	—	—	9377	9635	—	51.4	62.3
		75.90	11.43	250.19	4755	—	6921	7126	54.4	51.4	25.2
	NT-110SS	82.59	12.57	247.90	5298	—	7580	7802	54.4	51.4	31.8
		90.33	13.84	245.36	5894	—	8305	8549	54.4	51.4	40.5
		97.77	15.11	242.82	6481	—	9021	9288	54.4	51.4	51.8
	NT-110SS	105.81	16.51	240.03	—	—	9804	10093	—	51.4	64.1
		75.90	11.43	250.19	3723	—	5525	5507	43.0	43.0	32.0

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	连接强度 园扣 长扣 KN	连接强度 偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
273.1	NT-85HSS	82.59	12.57	247.90	4150	—	6050	6032	47.2	47.2	41.5
		90.33	13.84	245.36	—	—	6628	6606	—	51.4	54.0
		97.77	15.11	242.82	—	—	7202	7175	—	51.4	60.0
		105.81	16.51	240.03	—	—	7824	7798	—	51.4	66.6
	NT-90HSS	75.90	11.43	250.19	3910	—	5725	5832	45.4	45.4	32.0
		82.59	12.57	247.90	4355	—	6268	6383	47.4	50.0	41.5
		90.33	13.84	245.36	4844	—	6868	6997	47.4	51.4	54.0
		97.77	15.11	242.82	5329	—	7460	7598	47.4	51.4	62.7
		105.81	16.51	240.03	—	—	8105	8256	—	51.4	69.6
	NT-95HS	75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	32.0
		82.59	12.57	247.90	4639	—	6779	6739	47.4	51.4	41.5
		90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	54.0
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	65.3
		105.81	16.51	240.03	—	—	8767	8714	—	51.4	72.5
	NT-95HSS	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	32.0
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	41.5
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	54.0
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	65.3
		105.81	16.51	240.03	—	—	8532	8714	—	51.4	72.5
273.1	NT-100HSS	75.90	11.43	250.19	4333	—	6321	6477	47.4	50.5	32.0
		82.59	12.57	247.90	4826	—	6921	7095	47.4	51.4	41.5
		90.33	13.84	245.36	5369	—	7584	7771	47.4	51.4	54.0
		97.77	15.11	242.82	5907	—	8243	8443	47.4	51.4	67.8
		105.81	16.51	240.03	—	—	8954	9172	—	51.4	75.3
	NT-105HSS	75.90	11.43	250.19	4546	—	6619	6801	47.4	51.4	32.0
		82.59	12.57	247.90	5062	—	7251	7446	47.4	51.4	41.5
		90.33	13.84	245.36	5631	—	7945	8162	47.4	51.4	54.0
		97.77	15.11	242.82	6196	—	8630	8865	47.4	51.4	68.7
		105.81	16.51	240.03	—	—	9377	9635	—	51.4	78.1
	NT-110HS	75.90	11.43	250.19	4800	—	7090	7126	54.4	51.4	32.0
		82.59	12.57	247.90	5347	—	7762	7802	54.4	51.4	41.5
		90.33	13.84	245.36	5947	—	8505	8549	54.4	51.4	54.0
		97.77	15.11	242.82	6543	—	9239	9288	54.4	51.4	68.7
		105.81	16.51	240.03	—	—	10040	10093	—	51.4	86.4
	NT-110HSS	75.90	11.43	250.19	4755	—	6921	7126	54.4	51.4	32.0
		82.59	12.57	247.90	5298	—	7580	7802	54.4	51.4	41.5
		90.33	13.84	245.36	5894	—	8305	8549	54.4	51.4	54.0
		97.77	15.11	242.82	6481	—	9021	9288	54.4	51.4	68.7
		105.81	16.51	240.03	—	—	9804	10093	—	51.4	80.9
	NT-95DS	75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	24.1
273.1	NT-95DS	82.59	12.57	247.90	4639	—	6779	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	48.0
		105.81	16.51	240.03	—	—	8767	8714	—	51.4	58.5
	NT-125DS	75.90	11.43	250.19	5436	—	7985	8096	54.4	51.4	25.8
		82.59	12.57	247.90	6054	—	8563	8865	54.4	51.4	33.4
		90.33	13.84	245.36	6739	—	9581	9715	54.4	51.4	41.9
		97.77	15.11	242.82	7411	—	10409	10556	54.4	51.4	54.6
		105.81	16.51	240.03	—	—	11312	11468	—	51.4	68.9
	NT-140DS	75.90	11.43	250.19	6027	—	8714	9070	54.4	51.4	25.9
		82.59	12.57	247.90	6712	—	9546	9933	54.4	51.4	34.4
		90.33	13.84	245.36	7469	—	10458	10880	54.4	51.4	44.0
		97.77	15.11	242.82	8216	—	11361	11823	54.4	51.4	56.5
		105.81	16.51	240.03	—	—	12344	12842	—	51.4	72.8
	NT-150DS	75.90	11.43	250.19	6450	—	9315	9715	54.4	51.4	25.9
		82.59	12.57	247.90	7188	—	10200	10640	54.4	51.4	34.7
		90.33	13.84	245.36	7993	—	11178	11659	54.4	51.4	45.1
		97.77	15.11	242.82	8794	—	12144	12664	54.4	51.4	57.4
		105.81	16.51	240.03	—	—	13193	13763	—	51.4	75.1

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
339.7	T-95	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
339.7	NT-80LS	101.20	12.19	315.34	4284	—	7050	6921	31.4	34.0	15.6
		107.15	13.06	313.61	4626	—	7531	7388	31.4	34.0	18.4
		120.09	14.73	310.26	—	—	8456	8296	—	34.0	23.9
		127.98	15.88	307.98	—	—	9079	8910	—	34.0	28.9
	NT-95LS	101.20	12.19	315.34	5004	—	8060	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	19.5
		120.09	14.73	310.26	—	—	9666	9853	—	34.0	26.1
		127.98	15.88	307.98	—	—	10378	10578	—	34.0	30.5
	NT-110LS	101.20	12.19	315.34	5769	—	9248	9493	36.0	34.0	16.1
		107.15	13.06	313.61	6232	—	9880	10160	36.0	34.0	19.9
		120.09	14.73	310.26	—	—	11089	11410	—	34.0	27.6
		127.98	15.88	307.98	—	—	11908	12250	—	34.0	32.9
	NT-80SS	101.20	12.19	315.34	4235	—	6873	6921	31.4	34.0	15.6
		107.15	13.06	313.61	4577	—	7340	7388	31.4	34.0	18.4
		120.09	14.73	310.26	—	—	8238	8296	—	34.0	23.9
		127.98	15.88	307.98	—	—	8848	8910	—	34.0	28.9
	NT-85SS	101.20	12.19	315.34	4475	—	7197	7353	31.4	34.0	15.9
		107.15	13.06	313.61	4831	—	7687	7851	31.4	34.0	18.8
		120.09	14.73	310.26	—	—	8630	8816	—	34.0	24.6
		127.98	15.88	307.98	—	—	9266	9466	—	34.0	29.5
	NT-90SS	101.20	12.19	315.34	4702	—	7486	7784	31.4	34.0	16.0
339.7	NT-90SS	107.15	13.06	313.61	5080	—	7993	8314	31.4	34.0	19.2
		120.09	14.73	310.26	—	—	8977	9332	—	34.0	25.4
		127.98	15.88	307.98	—	—	9639	10022	—	34.0	30.0
	NT-95SS	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
		120.09	14.73	310.26	—	—	9452	9853	—	34.0	26.1
		127.98	15.88	307.98	—	—	10146	10578	—	34.0	30.5
	NT-85HSS	101.20	12.19	315.34	4475	—	7197	7353	31.4	34.0	21.0
		107.15	13.06	313.61	4831	—	7687	7851	31.4	34.0	25.4
		120.09	14.73	310.26	—	—	8630	8816	—	34.0	35.2
		127.98	15.88	307.98	—	—	9266	9466	—	34.0	43.2
	NT-90HSS	101.20	12.19	315.34	4702	—	7486	7784	31.4	34.0	21.0
		107.15	13.06	313.61	5080	—	7993	8314	31.4	34.0	25.4
		120.09	14.73	310.26	—	—	8977	9332	—	34.0	35.2
		127.98	15.88	307.98	—	—	9639	10022	—	34.0	43.2
	NT-95HS	101.20	12.19	315.34	5004	—	8060	8216	31.4	34.0	21.0
		107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	25.4
		120.09	14.73	310.26	—	—	9666	9853	—	34.0	35.2
		127.98	15.88	307.98	—	—	10378	10578	—	34.0	43.2
	NT-95HSS	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	21.0
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	25.4
339.7	NT-95HSS	120.09	14.73	310.26	—	—	9452	9853	—	34.0	35.2
		127.98	15.88	307.98	—	—	10146	10578	—	34.0	43.2
	NT-110HS	101.20	12.19	315.34	5769	—	9248	9493	36.0	34.0	21.0
		107.15	13.06	313.61	6232	—	9880	10160	36.0	34.0	25.4
		120.09	14.73	310.26	—	—	11089	11410	—	34.0	35.2
		127.98	15.88	307.98	—	—	11908	12250	—	34.0	43.2
	NT-95DS	101.20	12.19	315.34	5004	—	8060	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	19.5
		120.09	14.73	310.26	—	—	9666	9853	—	34.0	26.1
		127.98	15.88	307.98	—	—	10378	10578	—	34.0	30.5
339.7	NT-125DS	101.20	12.19	315.34	6534	—	10436	10809	38.1	34.0	16.1
		107.15	13.06	313.61	7059	—	11147	11548	36.0	34.0	19.9
		120.09	14.73	310.26	—	—	12513	12962	—	34.0	28.5
		127.98	15.88	307.98	—	—	13438	13918	—	34.0	34.7
		101.20	12.19	315.34	7255	—	11445	12108	36.0	34.0	16.1

新日铁(NT)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度			管体抗拉强度 KN	抗内压		抗挤强度 MPa
					园扣		偏梯扣 KN		园扣 MPa	偏梯扣 MPa	
					短扣 KN	长扣 KN					
	NT-140DS	107.15	13.06	313.61	7838	—	12224	12931	36.0	34.0	19.9
		120.09	14.73	310.26	—	—	13723	14519	—	34.0	28.8
		127.98	15.88	307.98	—	—	14737	15591	—	34.0	35.8
	NT-150DS	101.20	12.19	315.34	7767	—	12242	12975	36.0	34.0	16.1
		107.15	13.06	313.61	8389	—	13073	13856	36.0	34.0	19.9
		120.09	14.73	310.26	—	—	14675	15555	—	34.0	28.8
339.7	NT-150DS	127.98	15.88	307.98	—	—	15756	16703	—	34.0	36.2

注：φ139.7mm和φ177.8mm套管强度数据在新日铁(NT)API园螺纹中查找

住友(SM)NEW VAM扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
139.7	55	23.07	6.99	125.73	1103	33.2	27.9
		25.30	7.72	124.26	1214	36.7	33.9
		29.76	9.17	121.36	1428	43.6	45.6
		34.23	10.54	118.62	1463	50.1	52.9
		39.88	12.09	115.52	1463	57.4	60.0
	75	23.07	6.99	125.73	1508	45.2	33.3
		25.30	7.72	124.26	1655	50.0	41.6
		29.76	9.17	121.36	1944	59.4	58.0
		34.23	10.54	118.62	1993	68.3	72.1
		39.88	12.09	115.52	1993	78.3	81.8
	80	23.07	6.99	125.73	1606	48.3	34.4
		25.30	7.72	124.26	1766	53.4	43.4
		29.76	9.17	121.36	2073	63.4	60.9
		34.23	10.54	118.62	2126	72.8	76.9
		39.88	12.09	115.52	2126	83.6	87.2
	90	23.07	6.99	125.73	1806	54.3	36.3
		25.30	7.72	124.26	1988	60.1	46.5
		29.76	9.17	121.36	2335	71.3	66.4
		34.23	10.54	118.62	2393	81.9	85.4
		39.88	12.09	115.52	2393	94.0	98.1
	95	23.07	6.99	125.73	1908	57.3	37.1
139.7	95	25.30	7.72	124.26	2095	63.4	47.8
		29.76	9.17	121.36	2464	75.2	69.1
		34.23	10.54	118.62	2527	86.5	89.1
		39.88	12.09	115.52	2527	99.2	103.6
	105	23.07	6.99	125.73	2108	63.4	38.3
		25.30	7.72	124.26	2318	70.1	50.4
		29.76	9.17	121.36	2722	83.2	74.1
		34.23	10.54	118.62	2789	95.6	96.6
		39.88	12.09	115.52	2789	109.6	114.5
	110	23.07	6.99	125.73	2211	66.4	38.8
		25.30	7.72	124.26	2429	73.4	51.6
		29.76	9.17	121.36	2851	87.1	76.5
		34.23	10.54	118.62	2922	100.2	100.2
		39.88	12.09	115.52	2922	114.9	119.9
	125	23.07	6.99	125.73	2509	75.4	40.6
		25.30	7.72	124.26	2758	83.4	54.4
		29.76	9.17	121.36	3243	99.0	83.3
		34.23	10.54	118.62	3323	113.8	110.7
		39.88	12.09	115.52	3323	130.5	136.2
	130	23.07	6.99	125.73	2611	78.5	41.3
		25.30	7.72	124.26	2869	86.7	55.2
139.7	130	29.76	9.17	121.36	3372	102.9	85.4
		34.23	10.54	118.62	3456	118.4	114.1
		39.88	12.09	115.52	3456	135.8	141.7
	140	23.07	6.99	125.73	2811	84.5	42.6
		25.30	7.72	124.26	3092	93.4	56.3
		29.76	9.17	121.36	3630	110.9	89.4
		34.23	10.54	118.62	3723	127.5	120.6
		39.88	12.09	115.52	3723	146.2	152.6
	150	23.07	6.99	125.73	3011	90.5	43.6
		25.30	7.72	124.26	3309	100.0	57.2
		29.76	9.17	121.36	3888	118.8	92.9
		34.23	10.54	118.62	3986	136.6	126.8
		39.88	12.09	115.52	3986	156.6	163.5
177.8	55	34.23	8.05	161.70	1628	30.1	22.5
		38.69	9.19	159.41	1846	34.3	29.9
		43.16	10.36	157.07	2068	38.7	37.3
		47.62	11.51	154.79	2220	43.0	44.5
		52.09	12.65	152.50	2220	47.2	50.1

住友(SM)NEW VAM扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
		56.55	13.72	150.37	2220	51.2	54.0
		61.01	14.99	147.83	2220	55.9	58.5
		65.48	16.26	145.29	3127	60.7	63.0
	55	68.46	17.02	143.76	3261	63.5	65.6
		34.23	8.05	161.70	2220	41.0	25.9
		38.69	9.19	159.41	2518	46.8	36.0
		43.16	10.36	157.07	2820	52.7	46.4
		47.62	11.51	154.79	3025	58.5	56.5
	75	52.09	12.65	152.50	3025	64.4	66.7
		56.55	13.72	150.37	3025	69.8	73.6
		61.01	14.99	147.83	3025	76.3	79.8
		65.48	16.26	145.29	4266	82.7	85.9
		68.46	17.02	143.76	4444	86.6	89.5
177.8		34.23	8.05	161.70	2366	43.7	26.4
		38.69	9.19	159.41	2687	49.9	37.3
		43.16	10.36	157.07	3007	56.3	48.5
		47.62	11.51	154.79	3225	62.5	59.3
	80	52.09	12.65	152.50	3225	68.7	70.2
		56.55	13.72	150.37	3225	74.5	78.5
		61.01	14.99	147.83	3225	81.4	85.2
		65.48	16.26	145.29	4551	88.3	91.6
		68.46	17.02	143.76	4742	92.4	95.5
	90	34.23	8.05	161.70	2664	49.2	27.8
		38.69	9.19	159.41	3020	56.1	39.6
		43.16	10.36	157.07	3385	63.3	52.3
		47.62	11.51	154.79	3630	70.3	64.7
		52.09	12.65	152.50	3630	77.2	77.0
	90	56.55	13.72	150.37	3630	83.8	88.3
		61.01	14.99	147.83	3630	91.5	95.8
		65.48	16.26	145.29	5120	99.3	103.1
		68.46	17.02	143.76	5333	104.0	107.4
		34.23	8.05	161.70	2811	51.9	28.5
		38.69	9.19	159.41	3189	59.3	40.6
		43.16	10.36	157.07	3572	66.8	54.1
177.8		47.62	11.51	154.79	3830	74.2	67.2
	95	52.09	12.65	152.50	3830	81.6	80.3
		56.55	13.72	150.37	3830	88.4	92.6
		61.01	14.99	147.83	3830	96.6	101.1
		65.48	16.26	145.29	5400	104.8	108.8
		68.46	17.02	143.76	5631	109.0	113.4
		34.23	8.05	161.70	3109	57.4	30.0
		38.69	9.19	159.41	3527	65.5	42.3
	105	43.16	10.36	157.07	3946	73.8	57.3
		47.62	11.51	154.79	4235	82.0	72.1
		52.09	12.65	152.50	4235	90.1	86.7
		56.55	13.72	150.37	4235	97.7	100.5
	105	61.01	14.99	147.83	4235	106.8	111.8
		65.48	16.26	145.29	5970	115.8	120.2
		68.46	17.02	143.76	6223	121.3	125.3
		34.23	8.05	161.70	3256	60.1	30.6
		38.69	9.19	159.41	3692	68.6	43.0
		43.16	10.36	157.07	4137	77.4	58.8
		47.62	11.51	154.79	4435	85.9	74.3
	110	52.09	12.65	152.50	4435	94.4	89.8
		56.55	13.72	150.37	4435	102.4	104.3
177.8		61.01	14.99	147.83	4435	111.8	117.1
		65.48	16.26	145.29	6254	121.3	126.0
		68.46	17.02	143.76	6521	127.1	131.3
		34.23	8.05	161.70	3701	68.3	32.1
		38.69	9.19	159.41	4199	78.0	44.5

住友(SM)NEW VAM扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
	125	43.16	10.36	157.07	4697	87.9	62.8
		47.62	11.51	154.79	5040	97.6	80.7
		52.09	12.65	152.50	5040	107.3	98.7
		56.55	13.72	150.37	5040	116.3	115.4
		61.01	14.99	147.83	5040	127.1	133.1
		65.48	16.26	145.29	7108	137.9	143.2
177.8	125	68.46	17.02	143.76	7411	144.4	149.2
	130	34.23	8.05	161.70	3848	71.0	32.3
		38.69	9.19	159.41	4364	81.1	44.7
		43.16	10.36	157.07	4889	91.4	63.9
		47.62	11.51	154.79	5244	101.5	82.7
		52.09	12.65	152.50	5244	111.6	101.5
		56.55	13.72	150.37	5244	121.0	119.0
		61.01	14.99	147.83	5244	132.2	138.4
		65.48	16.26	145.29	7393	143.4	148.9
		68.46	17.02	143.76	7704	150.2	155.1
	140	34.23	8.05	161.70	4146	76.5	32.8
		38.69	9.19	159.41	4702	87.4	46.1
		43.16	10.36	157.07	5262	98.5	65.9
		47.62	11.51	154.79	5645	109.3	86.4
		52.09	12.65	152.50	5645	120.2	106.9
		56.55	13.72	150.37	5645	130.3	126.0
		61.01	14.99	147.83	5645	142.4	148.7
		65.48	16.26	145.29	7962	154.4	160.4
		68.46	17.02	143.76	8300	161.7	167.1
	150	34.23	8.05	161.70	4439	82.0	33.0
		38.69	9.19	159.41	5035	93.6	47.4
177.8	150	43.16	10.36	157.07	5640	105.5	67.5
		47.62	11.51	154.79	6050	117.1	89.7
		52.09	12.65	152.50	6050	128.7	111.9
		56.55	13.72	150.37	6050	139.6	132.6
		61.01	14.99	147.83	6050	152.5	157.3
		65.48	16.26	145.29	8532	165.5	171.8
		68.46	17.02	143.76	8892	173.3	179.1

住友(SM)VAM ACE扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
139.7	55	23.07	6.99		1103	33.2	27.9
		25.30	7.72	124.26	1214	36.7	33.9
		29.76	9.17	121.36	1428	43.6	45.6
		34.23	10.54	118.62	1624	50.1	52.9
		39.88	12.09	115.52	1837	57.4	60.0
		42.26	13.46	112.78	2024	64.0	66.1
	75	23.07	6.99	125.73	1508	45.2	33.3
		25.30	7.72	124.26	1655	50.0	41.6
		29.76	9.17	121.36	1944	59.4	58.0
		34.23	10.54	118.62	2211	68.3	72.1
		39.88	12.09	115.52	2504	78.3	81.8
		42.26	13.46	112.78	2762	87.2	90.0
	80	23.07	6.99	125.73	1606	48.3	34.4
		25.30	7.72	124.26	1766	53.4	43.4
		29.76	9.17	121.36	2073	63.4	60.9
		34.23	10.54	118.62	2358	72.8	76.9
		39.88	12.09	115.52	2673	83.6	87.2
		42.26	13.46	112.78	2945	93.0	96.0
	90	23.07	6.99	125.73	1806	54.3	36.3
		25.30	7.72	124.26	1988	60.1	46.5
		29.76	9.17	121.36	2335	71.3	66.4
139.7	90	34.23	10.54	118.62	2656	81.9	85.4
		39.88	12.09	115.52	3007	94.0	98.1
		42.26	13.46	112.78	3314	104.7	108.0
	95	23.07	6.99	125.73	1908	57.3	37.1
		25.30	7.72	124.26	2095	63.4	47.8
		29.76	9.17	121.36	2464	75.2	69.1
		34.23	10.54	118.62	2802	86.5	89.1
		39.88	12.09	115.52	3176	99.2	103.6
		42.26	13.46	112.78	3496	110.5	114.0
	105	23.07	6.99	125.73	2108	63.4	38.3
		25.30	7.72	124.26	2318	70.1	50.4
		29.76	9.17	121.36	2722	83.2	74.1
		34.23	10.54	118.62	3096	95.6	96.6
		39.88	12.09	115.52	3510	109.6	114.5
		42.26	13.46	112.78	3866	122.1	126.1
	110	23.07	6.99	125.73	2211	66.4	38.8
		25.30	7.72	124.26	2429	73.4	51.6
		29.76	9.17	121.36	2851	87.1	76.5
		34.23	10.54	118.62	3243	100.2	100.2
		39.88	12.09	115.52	3674	114.9	119.9
		42.26	13.46	112.78	4048	127.9	132.1
139.7	125	23.07	6.99	125.73	2509	75.4	40.6
		25.30	7.72	124.26	2758	83.4	54.4
		29.76	9.17	121.36	3243	99.0	83.3
		34.23	10.54	118.62	3688	113.8	110.7
		39.88	12.09	115.52	4177	130.5	136.2
		42.26	13.46	112.78	4599	145.3	150.1
	130	23.07	6.99	125.73	2611	78.5	41.3
		25.30	7.72	124.26	2869	86.7	55.2
		29.76	9.17	121.36	3372	102.9	85.4
		34.23	10.54	118.62	3834	118.4	114.1
		39.88	12.09	115.52	4346	135.8	141.7
		42.26	13.46	112.78	4786	151.1	156.1
	140	23.07	6.99	125.73	2811	84.5	42.6
		25.30	7.72	124.26	3092	93.4	56.3
		29.76	9.17	121.36	3630	110.9	89.4
		34.23	10.54	118.62	4128	127.5	120.6
		39.88	12.09	115.52	4680	146.2	152.6
		42.26	13.46	112.78	5151	162.8	168.1

住友(SM)VAM ACE扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
	150	23.07	6.99	125.73	3011	90.5	43.6
		25.30	7.72	124.26	3309	100.0	57.2
		29.76	9.17	121.36	3888	118.8	92.9
139.7	150	34.23	10.54	118.62	4422	136.6	126.8
		39.88	12.09	115.52	5013	156.6	163.5
		42.26	13.46	112.78	5520	174.4	180.1
177.8	55	34.23	8.05	161.70	1628	30.1	22.5
		38.69	9.19	159.41	1846	34.3	29.9
		43.16	10.36	157.07	2068	38.7	37.3
		47.62	11.51	154.79	2277	43.0	44.5
		52.09	12.65	152.50	2491	47.2	50.1
		56.55	13.72	150.37	2682	51.2	54.0
		61.01	14.99	147.83	2905	55.9	58.5
	75	34.23	8.05	161.70	2220	41.0	25.9
		38.69	9.19	159.33	2518	46.8	36.0
		43.16	10.36	157.07	2820	52.7	46.4
		47.62	11.51	154.79	3109	58.5	56.5
		52.09	12.65	152.50	3394	64.4	66.7
		56.55	13.72	150.37	3656	69.8	73.6
		61.01	14.99	147.83	3963	76.3	79.8
	80	34.23	8.05	161.70	2366	43.7	26.4
		38.69	9.19	159.41	2687	49.9	37.3
		43.16	10.36	157.07	3007	56.3	48.5
		47.62	11.51	154.79	3314	62.5	59.3
177.8	80	52.09	12.65	152.50	3621	68.7	70.2
		56.55	13.72	150.37	3901	74.5	78.5
		61.01	14.99	147.83	4226	81.4	85.2
	90	34.23	8.05	161.70	2664	49.2	27.8
		38.69	9.19	159.41	3020	56.1	39.6
		43.16	10.36	157.07	3385	63.3	52.3
		47.62	11.51	154.79	3732	70.3	64.7
		52.09	12.65	152.50	4075	77.2	77.0
		56.55	13.72	150.37	4386	83.8	88.3
		61.01	14.99	147.83	4755	91.5	95.8
	95	34.23	8.05	161.70	2811	51.9	28.5
		38.69	9.19	159.41	3189	59.3	40.6
		43.16	10.36	157.07	3572	66.8	54.1
		47.62	11.51	154.79	3937	74.2	67.2
		52.09	12.65	152.50	4297	81.6	80.3
		56.55	13.72	150.37	4631	88.4	92.6
		61.01	14.99	147.83	5022	96.6	101.1
	105	34.23	8.05	161.70	3109	57.4	30.0
		38.69	9.19	159.41	3527	65.5	42.3
		43.16	10.36	157.07	3946	73.8	57.3
		47.62	11.51	154.79	4350	82.0	72.1
177.8	105	52.09	12.65	152.50	4751	90.1	86.7
		56.55	13.72	150.37	5120	97.7	100.5
		61.01	14.99	147.83	5551	106.8	111.8
	110	34.23	8.05	161.70	3256	60.1	30.6
		38.69	9.19	159.41	3692	68.6	43.0
		43.16	10.36	157.07	4137	77.4	58.8
		47.62	11.51	154.79	4559	85.9	74.3
		52.09	12.65	152.50	4978	94.4	89.8
		56.55	13.72	150.37	5360	102.4	104.3
		61.01	14.99	147.83	5814	111.8	117.1
	125	34.23	8.05	161.70	3701	68.3	32.1
		38.69	9.19	159.41	4199	78.0	44.5
		43.16	10.36	157.07	4697	87.9	62.8
		47.62	11.51	154.79	5182	97.6	80.7
		52.09	12.65	152.50	5658	107.3	98.7

住友(SM)VAM ACE扣套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
		56.55	13.72	150.37	6094	116.3	115.4
		61.01	14.99	147.83	6606	127.1	133.1
	130	34.23	8.05	161.70	3848	71.0	32.3
		38.69	9.19	159.41	4364	81.1	44.7
		43.16	10.36	157.07	4889	91.4	63.9
		47.62	11.51	154.79	5387	101.5	82.7
177.8	130	52.09	12.65	152.50	5881	111.6	101.5
		56.55	13.72	150.37	6339	121.0	119.0
		61.01	14.99	147.83	6873	132.2	138.4
	140	34.23	8.05	161.70	4146	76.5	32.8
		38.69	9.19	159.41	4702	87.4	46.1
		43.16	10.36	157.07	5262	98.5	65.9
		47.62	11.51	154.79	5800	109.3	86.4
		52.09	12.65	152.50	6334	120.2	106.9
		56.55	13.72	150.37	6824	130.3	126.0
		61.01	14.99	147.83	7397	142.4	148.7
	150	34.23	8.05	161.70	4439	82.0	33.0
		38.69	9.19	159.41	5035	93.6	47.4
		43.16	10.36	157.07	5640	105.5	67.5
		47.62	11.51	154.79	6219	117.1	89.7
		52.09	12.65	152.50	6788	128.7	111.9
		56.55	13.72	150.37	7313	139.6	132.6
		61.01	14.99	147.83	7927	152.5	157.3

住友(SM)VAM FJL扣套管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
139.7	C-75	25.30	7.72	124.26	912	50.0	41.6
		29.76	9.17	121.36	1139	59.4	58.0
		34.23	10.54	118.62	1406	68.3	72.1
		38.69	12.09	115.52	1677	78.3	81.8
		42.26	13.46	112.78	1797	87.2	90.0
	L-80	25.30	7.72	124.26	974	53.4	43.4
		29.76	9.17	121.36	1214	63.4	60.9
		34.23	10.54	118.62	1503	72.8	76.9
		38.69	12.09	115.52	1793	83.6	87.2
		42.26	13.46	112.78	1917	93.0	96.0
	N-80	25.30	7.72	124.26	—	53.4	43.4
		29.76	9.17	121.36	—	63.4	60.9
		34.23	10.54	118.62	—	72.8	76.9
		38.69	12.09	115.52	—	83.6	87.2
		42.26	13.46	112.78	—	93.0	96.0
	C-95	25.30	7.72	124.26	1157	63.4	47.8
		29.76	9.17	121.36	1446	75.2	69.1
		34.23	10.54	118.62	1784	86.5	89.1
		38.69	12.09	115.52	2126	99.2	103.6
		42.26	13.46	112.78	2277	110.5	114.0
	P-110	25.30	7.72	124.26	1339	73.4	51.6
		29.76	9.17	121.36	1673	87.1	76.5
		34.23	10.54	118.62	2064	100.2	100.2
139.7	P-110	38.69	12.09	115.52	2460	114.9	119.9
		42.26	13.46	112.78	2638	127.9	132.1
	Q-125	25.30	7.72	124.26	1521	83.4	54.4
		29.76	9.17	121.36	1899	99.0	83.3
		34.23	10.54	118.62	2344	113.8	110.7
		38.69	12.09	115.52	2798	130.5	136.2
		42.26	13.46	112.78	2998	145.3	150.1
	140	25.30	7.72	124.26	1704	93.4	56.3
		29.76	9.17	121.36	2131	110.9	89.4
		34.23	10.54	118.62	2629	127.5	120.6
		38.69	12.09	115.52	3132	146.2	152.6
		42.26	13.46	112.78	3358	162.8	168.1
	150	25.30	7.72	124.26	1824	100.0	57.2
		29.76	9.17	121.36	2282	118.8	92.9
		34.23	10.54	118.62	2816	136.6	126.8
		38.69	12.09	115.52	3358	156.6	163.5
		42.26	13.46	112.78	3599	174.4	180.1
177.8	C-75	34.23	8.05	161.70	1134	41.0	25.9
		38.69	9.19	159.41	1432	46.8	36.0
		43.16	10.36	157.07	1735	52.7	46.4
		47.62	11.51	154.79	2024	58.5	56.5
		52.09	12.65	152.50	2215	64.4	66.7
		56.55	13.72	150.37	2389	69.8	73.6
177.8	C-75	61.01	14.99	147.83	2580	76.3	79.8
	L-80	34.23	8.05	161.70	1210	43.7	26.4
		38.69	9.19	159.41	1526	49.9	37.3
		43.16	10.36	157.07	1850	56.3	48.5
		47.62	11.51	154.79	2157	62.5	59.3
		52.09	12.65	152.50	2366	68.7	70.2
		56.55	13.72	150.37	2544	74.5	78.5
		61.01	14.99	147.83	2753	81.4	85.2
	N-80	34.23	8.05	161.70	—	43.7	26.4
		38.69	9.19	159.41	—	49.9	37.3
		43.16	10.36	157.07	—	56.3	48.5
		47.62	11.51	154.79	—	62.5	59.3
		52.09	12.65	152.50	—	68.7	70.2
		56.55	13.72	150.37	—	74.5	78.5
		61.01	14.99	147.83	—	81.4	85.2

住友(SM)VAM FJL扣套管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN	抗内压 MPa	抗挤强度 MPa
	C-95	34.23	8.05	161.70	1437	51.9	28.5
		38.69	9.19	159.41	1815	59.3	40.6
		43.16	10.36	157.07	2197	66.8	54.1
		47.62	11.51	154.79	2567	74.2	67.2
		52.09	12.65	152.50	2807	81.6	80.3
		56.55	13.72	150.37	3025	88.4	92.6
		61.01	14.99	147.83	3269	96.6	101.1
	P-110	34.23	8.05	161.70	1664	60.1	30.6
177.8	P-110	38.69	9.19	159.41	2100	68.6	43.0
		43.16	10.36	157.07	2540	77.4	58.8
		47.62	11.51	154.79	2971	85.9	74.3
		52.09	12.65	152.50	3252	94.4	89.8
		56.55	13.72	150.37	3501	102.4	104.3
		61.01	14.99	147.83	3785	111.8	117.1
	Q-125	34.23	8.05	161.70	1890	68.3	32.1
		38.69	9.19	159.41	2389	78.0	44.5
		43.16	10.36	157.07	2887	87.9	62.8
		47.62	11.51	154.79	3376	97.6	80.7
		52.09	12.65	152.50	3696	107.3	98.7
		56.55	13.72	150.37	3977	116.3	115.4
		61.01	14.99	147.83	4301	127.1	133.1
	140	34.23	8.05	161.70	2117	76.5	32.8
		38.69	9.19	159.41	2673	87.4	46.1
		43.16	10.36	157.07	3234	98.5	65.9
		47.62	11.51	154.79	3781	109.3	86.4
		52.09	12.65	152.50	4137	120.2	106.9
		56.55	13.72	150.37	4457	130.3	126.0
		61.01	14.99	147.83	4817	142.4	148.7
	150	34.23	8.05	161.70	2269	82.0	33.0
		38.69	9.19	159.41	2865	93.6	47.4
		43.16	10.36	157.07	3465	105.5	67.5
177.8	150	47.62	11.51	154.79	4048	117.1	89.7
		52.09	12.65	152.50	4435	128.7	111.9
		56.55	13.72	150.37	4773	139.6	132.6
		61.01	14.99	147.83	5164	152.5	157.3

住友(SM)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
114.3	SM-80S	17.26	6.35	101.60	—	992	1352	1188	53.6	53.6	43.9
		20.09	7.37	99.57	—	1201	1552	1366	62.2	62.2	58.9
	SM-90S	17.26	6.35	101.60	—	1023	1410	1334	60.3	60.3	47.0
		20.09	7.37	99.57	—	1237	1619	1535	70.0	70.0	64.1
	SM-95S	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
	SM-85SS	17.26	6.35	101.60	—	992	1361	1263	57.0	57.0	45.4
		20.09	7.37	99.57	—	1201	1566	1450	66.1	66.1	61.5
	SM-90SS	17.26	6.35	101.60	—	992	1375	1334	60.3	60.3	47.0
		20.09	7.37	99.57	—	1201	1579	1535	70.0	70.0	64.1
	SM-95TS	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	59.6
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	71.6
		22.47	8.56	97.18	—	1517	1908	1864	85.8	80.2	88.0
	SM-95T	17.26	6.35	101.60	—	1090	1503	1410	63.7	63.7	62.5
		20.09	7.37	99.57	—	1321	1726	1619	73.8	73.8	77.8
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	98.7
	SM-110T	17.26	6.35	101.60	—	1241	1713	1632	73.7	73.7	71.7
		20.09	7.37	99.57	—	1503	1971	1877	85.6	85.6	94.5
		22.47	8.56	97.18	—	1806	2264	2157	99.4	92.9	110.3
	SM-80L	17.26	6.35	101.60	—	992	1352	1188	53.6	53.6	43.9
114.3	SM-80L	20.09	7.37	99.57	—	1201	1552	1366	62.2	62.2	58.9
	SM-95L	17.26	6.35	101.60	—	1041	1446	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1263	1664	1619	73.8	73.8	66.6
	SM-110L	17.26	6.35	101.60	—	1241	1713	1632	73.7	73.7	52.3
		20.09	7.37	99.57	—	1503	1971	1877	85.6	85.6	73.8
		22.47	8.56	97.18	—	1806	2264	2157	99.4	92.9	98.9
	SM-95G	17.26	6.35	101.60	—	1090	1503	1410	63.7	63.7	48.5
		20.09	7.37	99.57	—	1321	1726	1619	73.8	73.8	66.6
		22.47	8.56	97.18	—	1588	1984	1864	85.8	80.2	88.0
	SM-125G	17.26	6.35	101.60	—	1388	1922	1855	83.8	83.8	55.2
		20.09	7.37	99.57	—	1681	2211	2131	97.2	97.2	80.0
		22.47	8.56	97.18	—	2019	2540	2451	112.9	105.5	109.1
	SM-140G	17.26	6.35	101.60	—	1486	2077	2077	93.8	93.8	57.2
		20.09	7.37	99.57	—	1802	2384	2389	108.9	108.9	85.5
		22.47	8.56	97.18	—	2166	2740	2745	123.6	118.2	118.7
	SM-150G	17.26	6.35	101.60	—	1588	2215	2229	100.5	100.5	58.1
		20.09	7.37	99.57	—	1922	2549	2558	116.7	116.7	88.8
		22.47	8.56	97.18	—	2309	2927	2940	123.6	119.8	124.9
127.0	SM-80S	22.32	7.52	111.96	—	1383	1761	1557	57.2	57.2	50.0
		26.79	9.19	108.61	—	1761	2122	1877	69.9	68.3	72.4
127.0	SM-80S	31.85	11.10	104.80	—	2180	2389	2229	74.6	68.3	88.0
		35.86	12.70	101.60	—	2522	2389	2513	74.6	68.3	99.3
	SM-90S	22.32	7.52	111.96	—	1423	1842	1753	64.3	64.3	54.0
		26.79	9.19	108.61	—	1815	2220	2113	78.6	76.9	79.4
		31.85	11.10	104.80	—	2246	2460	2509	83.9	76.9	99.0
		35.86	12.70	101.60	—	2598	2460	2829	83.9	76.9	111.7
	SM-95S	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	82.9
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	104.5
		35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
	SM-85SS	22.32	7.52	111.96	—	1383	1779	1655	60.7	60.7	52.0
		26.79	9.19	108.61	—	1761	2144	1993	74.3	72.6	75.9
		31.85	11.10	104.80	—	2180	2389	2366	79.3	72.6	93.5
		35.86	12.70	101.60	—	2522	2389	2673	79.3	72.6	105.5
	SM-90SS	22.32	7.52	111.96	—	1383	1797	1753	64.3	64.3	54.0
		26.79	9.19	108.61	—	1761	2166	2113	78.6	76.9	79.4
		31.85	11.10	104.80	—	2180	2389	2509	83.9	76.9	99.0
		35.86	12.70	101.60	—	2522	2389	2829	83.9	76.9	111.7
	SM-95TS	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	65.5

住友(SM)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	83.2
	SM-95TS	31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	106.2
		34.53	12.14	102.72	—	2522	2438	2869	88.6	81.2	113.8
		35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
	SM-95T	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	69.0
		26.79	9.19	108.61	—	1939	2366	2229	83.0	81.2	92.7
		31.85	11.10	104.80	—	2398	2629	2647	88.6	81.2	122.5
		34.53	12.14	102.72	—	2642	2624	2869	88.6	81.2	131.1
		35.86	12.70	101.60	—	2771	2629	2989	88.6	81.2	136.5
	SM-110T	22.32	7.52	111.96	—	1726	2237	2140	78.6	78.6	82.7
127.0		26.79	9.19	108.61	—	2202	2696	2580	96.1	94.0	106.2
		31.85	11.10	104.80	—	2727	2985	3065	102.6	94.0	126.9
		34.53	12.14	102.72	—	3003	2985	3323	102.6	94.0	138.6
		35.86	12.70	101.60	—	3149	2985	3461	102.6	94.0	140.7
	SM-80L	22.32	7.52	111.96	—	1383	1761	1557	57.2	57.2	50.0
		26.79	9.19	108.61	—	1761	2122	1877	69.9	68.3	72.4
		31.85	11.10	104.80	—	2180	2389	2229	74.6	68.3	88.0
		35.86	12.70	101.60	—	2522	2389	2513	74.6	68.3	99.3
	SM-95L	22.32	7.52	111.96	—	1450	1886	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1850	2277	2229	83.0	81.2	82.9
		31.85	11.10	104.80	—	2291	2509	2647	88.6	81.2	104.5
	SM-95L	35.86	12.70	101.60	—	2647	2509	2989	88.6	81.2	117.9
	SM-110L	22.32	7.52	111.96	—	1726	2237	2140	78.6	78.6	61.1
		26.79	9.19	108.61	—	2202	2696	2580	96.1	94.0	92.9
		31.85	11.10	104.80	—	2727	2985	3065	102.6	94.0	121.0
		35.86	12.70	101.60	—	3149	2985	3461	102.6	94.0	136.5
	SM-95G	22.32	7.52	111.96	—	1521	1962	1850	67.8	67.8	55.9
		26.79	9.19	108.61	—	1939	2366	2229	83.0	81.2	82.9
		31.85	11.10	104.80	—	2398	2629	2647	88.6	81.2	104.5
		35.86	12.70	101.60	—	2771	2629	2989	88.6	81.2	117.9
127.0	SM-125G	22.32	7.52	111.96	—	1935	2513	2433	89.3	89.3	65.4
		26.79	9.19	108.61	—	2469	3029	2931	109.2	106.8	102.2
		31.85	11.10	104.80	—	3051	3345	3483	110.3	106.8	137.5
		35.86	12.70	101.60	—	3527	3345	3932	110.3	106.8	155.1
	SM-140G	22.32	7.52	111.96	—	2073	2713	2722	100.0	100.0	68.8
		26.79	9.19	108.61	—	2642	3269	3283	110.3	119.6	110.8
		31.85	11.10	104.80	—	3269	3581	3901	110.3	119.6	154.0
		35.86	12.70	101.60	—	3781	3581	4404	110.3	119.6	173.7
	SM-150G	22.32	7.52	111.96	—	2211	2896	2918	107.1	107.1	70.7
		26.79	9.19	108.61	—	2820	3492	3519	110.3	128.2	116.2
		31.85	11.10	104.80	—	3492	3821	4181	110.3	128.2	165.0
127.0	SM-150G	35.86	12.70	101.60	—	4035	3821	4715	110.3	128.2	186.2
	SM-80S	39.29	8.33	177.01	—	2180	2931	2678	41.5	41.5	23.4
		44.20	9.52	174.63	—	2558	3332	3038	47.5	47.5	33.0
		50.15	10.92	171.83	—	2998	3790	3461	54.5	54.5	45.2
		58.04	12.70	168.28	—	3550	4364	3981	63.3	63.3	60.8
		63.69	14.27	165.13	—	4030	4862	4439	71.2	67.5	74.6
		70.09	15.88	161.93	—	4506	5360	4893	72.4	67.5	83.0
	SM-90S	39.29	8.33	177.01	—	2384	3092	3011	46.7	46.7	24.9
		44.20	9.52	174.63	—	2802	3514	3421	53.4	53.4	34.7
		50.15	10.92	171.83	—	3287	3999	3892	61.2	61.2	48.6
193.7		58.04	12.70	168.28	—	3888	4604	4479	71.2	71.2	66.3
		63.69	14.27	165.13	—	4413	5129	4991	80.0	76.0	82.0
		70.09	15.88	161.93	—	4933	5654	5502	81.4	76.0	93.4
	SM-95S	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	85.6

住友(SM)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	98.6
	SM-85SS	39.29	8.33	177.01	—	2273	2980	2842	44.1	44.1	24.3
193.7	SM-85SS	44.20	9.52	174.63	—	2669	3385	3229	50.5	50.5	33.9
		50.15	10.92	171.83	—	3132	3852	3674	57.8	57.8	47.0
		58.04	12.70	168.28	—	3705	4435	4230	67.2	67.2	63.6
		63.69	14.27	165.13	—	4204	4942	4715	75.6	71.7	78.3
		70.09	15.88	161.93	—	4697	5445	5196	76.9	71.7	88.2
	SM-90SS	39.29	8.33	177.01	—	2366	3029	3011	46.7	46.7	24.9
		44.20	9.52	174.63	—	2780	3438	3421	53.4	53.4	34.7
		50.15	10.92	171.83	—	3261	3914	3892	61.2	61.2	48.6
		58.04	12.70	168.28	—	3857	4506	4479	71.2	71.2	66.3
		63.69	14.27	165.13	—	4377	5022	4991	80.0	76.0	82.0
		70.09	15.88	161.93	—	4893	5511	5502	81.4	76.0	93.4
	SM-95TS	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	33.4
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	49.3
		50.15	10.92	171.83	—	3434	4115	4106	64.7	64.7	60.7
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	73.1
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	86.2
		67.41	15.11	163.45	—	4897	5565	5551	81.4	80.2	93.8
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	99.3
	SM-95T	39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	33.4
		44.20	9.52	174.63	—	2971	3741	3608	56.4	56.4	49.3
193.7	SM-95T	50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	64.1
		58.04	12.70	168.28	—	4119	4897	4728	75.2	75.2	79.6
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.2	96.5
		67.41	15.11	163.45	—	4964	5752	5551	81.4	80.2	98.0
		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.2	114.1
	SM-110T	39.29	8.33	177.01	—	2909	3759	3679	57.1	57.1	33.8
		44.20	9.52	174.63	—	3421	4270	4181	65.3	65.3	49.6
		50.15	10.92	171.83	—	4008	4862	4755	74.9	74.9	73.1
		58.04	12.70	168.28	—	4742	5596	5476	81.4	87.0	95.1
		63.69	14.27	165.13	—	5382	6236	6103	81.4	87.4	111.7
		67.41	15.11	163.45	—	5716	6570	6428	81.4	87.4	117.2
		70.09	15.88	161.93	—	6018	6873	6726	81.4	87.4	120.7
	SM-80L	39.29	8.33	177.01	—	2180	2931	2678	41.5	41.5	23.4
		44.20	9.52	174.63	—	2558	3332	3038	47.5	47.5	33.0
		50.15	10.92	171.83	—	2998	3790	3461	54.5	54.5	45.2
		58.04	12.70	168.28	—	3550	4364	3981	63.3	63.3	60.8
		63.69	14.27	165.13	—	4030	4862	4439	71.2	67.5	74.6
		70.09	15.88	161.93	—	4506	53445	4893	72.4	67.5	83.0
	SM-95L	39.29	8.33	177.01	—	2491	3185	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2931	3616	3608	56.4	56.4	35.4
193.7	SM-95L	50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4066	4737	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4613	5280	5271	81.4	80.2	85.6
		70.09	15.88	161.93	—	5155	5787	5809	81.4	80.2	98.6
	SM-110L	44.20	9.52	174.63	—	3421	4270	4181	65.3	65.3	37.0
		50.15	10.92	171.83	—	4008	4862	4755	74.9	74.9	54.3
		58.04	12.70	168.28	—	4742	5596	5476	81.4	87.0	76.5
		63.69	14.27	165.13	—	5382	6236	6103	81.4	87.4	96.1
		70.09	15.88	161.93	—	6018	6873	6726	81.4	87.4	114.1
	SM-95G	39.29	8.33	177.01	—	2527	3292	3176	49.3	49.3	25.6
		44.20	9.52	174.63	—	2971	3741	3608	56.4	56.4	35.4
		50.15	10.92	171.83	—	3483	4257	4106	64.7	64.7	50.1
		58.04	12.70	168.28	—	4119	4897	4728	75.2	75.2	68.9
		63.69	14.27	165.13	—	4675	5458	5271	81.4	80.2	85.6
		70.09	15.88	161.93	—	5227	6018	5809	81.4	80.2	98.6
		44.20	9.52	174.63	—	3870	4804	4751	74.2	74.2	39.1
		50.15	10.92	171.83	—	4537	5467	5405	81.4	85.1	57.5

住友(SM)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	SM-125G	58.04	12.70	168.28	—	5369	6294	6223	81.4	87.4	83.2
		63.69	14.27	165.13	—	6090	7015	6935	81.4	87.4	105.8
		70.09	15.88	161.93	—	6810	7718	7642	81.4	87.4	128.9
193.7	SM-140G	44.20	9.52	174.63	—	4279	5213	5320	81.4	83.1	40.9
		50.15	10.92	171.83	—	5018	5934	6054	81.4	87.4	59.9
		58.04	12.70	168.28	—	5938	6832	6970	81.4	87.4	89.1
		63.69	14.27	165.13	—	6735	7611	7767	81.4	87.4	115.0
		70.09	15.88	161.93	—	7531	8265	8558	81.4	87.4	141.3
	SM-150G	44.20	9.52	174.63	—	4582	5569	5698	81.4	87.4	41.7
		50.15	10.92	171.83	—	5369	6334	6486	81.4	87.4	61.0
		58.04	12.70	168.28	—	6352	7295	7469	81.4	87.4	92.7
		63.69	14.27	165.13	—	7206	8127	8323	81.4	87.4	120.7
		70.09	15.88	161.93	—	8060	8816	9172	81.4	87.4	149.3
244.5	SM-80S	59.53	10.03	224.41	—	3278	4355	4075	39.6	39.6	21.3
		64.74	11.05	222.38	—	3670	4777	4470	43.6	43.6	26.3
		69.94	11.99	220.50	—	4026	5164	4831	47.4	47.4	32.8
		79.62	13.84	216.79	—	4724	5912	5534	54.7	54.7	45.6
	SM-90S	59.53	10.03	224.41	—	3603	4626	4586	44.5	44.5	22.5
		64.74	11.05	222.38	—	4030	5075	5026	49.1	49.1	27.6
		69.94	11.99	220.50	—	4422	5485	5436	53.2	53.2	34.4
		79.62	13.84	216.79	—	5187	6281	6223	58.3	61.5	49.0
	SM-95S	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
244.5	SM-95S	69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
	SM-85SS	59.53	10.03	224.41	—	3430	4448	4333	42.1	42.1	21.9
		64.74	11.05	222.38	—	3834	4880	4751	46.3	46.3	26.8
		69.94	11.99	220.50	—	4208	5271	5133	50.3	50.3	33.6
		79.62	13.84	216.79	—	4933	6041	5876	58.1	58.1	47.4
	SM-90SS	59.53	10.03	224.41	—	3576	4542	4586	44.5	44.5	22.5
		64.74	11.05	222.38	—	3999	4978	5026	49.1	49.1	27.6
		69.94	11.99	220.50	—	4390	5382	5436	53.2	53.2	34.4
		79.62	13.84	216.79	—	5147	6165	6223	58.3	61.5	49.0
	SM-95TS	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	29.2
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	38.6
		69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	49.0
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	61.0
		86.91	15.11	214.25	—	5965	7042	7135	58.3	63.2	68.6
		90.93	15.88	212.73	—	6285	7371	7469	58.3	63.2	72.4
	SM-95T	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	29.2
		64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	38.6
		69.94	11.99	220.50	—	4684	5832	5734	56.2	56.2	49.0
		79.62	13.84	216.79	—	5494	6695	6570	58.3	63.2	64.5
244.5	SM-95T	86.91	15.11	214.25	—	6036	7255	7135	58.3	63.2	73.5
		90.93	15.88	212.73	—	6285	7593	7469	58.3	63.2	78.6
	SM-110T	59.53	10.03	224.41	—	4395	5631	5605	54.5	54.5	29.6
		64.74	11.05	222.38	—	4915	6174	6143	58.3	60.0	38.6
		69.94	11.99	220.50	—	5396	6672	6641	58.3	63.2	49.0
		79.62	13.84	216.79	—	6325	7642	7606	58.3	63.2	74.5
		86.91	15.11	214.25	—	6957	8296	8260	58.3	63.2	88.3
		90.93	15.88	212.73	—	7331	8687	8647	58.3	63.2	94.5
	SM-80L	59.53	10.03	224.41	—	3278	4355	4075	39.6	39.6	21.3
		64.74	11.05	222.38	—	3670	4777	4470	43.6	43.6	26.3
		69.94	11.99	220.50	—	4026	5164	4831	47.4	47.4	32.8
		79.62	13.84	216.79	—	4724	5912	5534	54.7	54.7	45.6
	SM-95L	59.53	10.03	224.41	—	3768	4777	4840	47.0	47.0	23.0
		64.74	11.05	222.38	—	4217	5240	5307	51.8	51.8	28.5
		69.94	11.99	220.50	—	4626	5663	5734	56.2	56.2	35.1
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6

住友(SM)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	SM-110L	64.74	11.05	222.38	—	4915	6174	6143	58.3	60.0	30.5
		69.94	11.99	220.50	—	5396	6672	6641	58.3	63.2	36.6
		79.62	13.84	216.79	—	6325	7642	7606	58.3	63.2	54.9
	SM-95G	59.53	10.03	224.41	—	3817	4920	4840	47.0	47.0	23.0
244.5	SM-95G	64.74	11.05	222.38	—	4266	5396	5307	51.8	51.8	28.5
		69.94	11.99	220.50	—	4684	5832	5436	56.2	56.2	34.4
		79.62	13.84	216.79	—	5427	6486	6570	58.3	63.2	50.6
	SM-125G	64.74	11.05	222.38	—	5569	6953	6984	58.3	63.2	31.9
		69.94	11.99	220.50	—	6107	7513	7549	58.3	63.2	38.8
		79.62	13.84	216.79	—	7162	8603	8643	58.3	63.2	58.2
	SM-140G	64.74	11.05	222.38	—	6165	7571	7820	58.3	63.2	32.6
		69.94	11.99	220.50	—	6766	8180	8452	58.3	63.2	40.6
		79.62	13.84	216.79	—	7931	9372	9684	58.3	63.2	60.6
	SM-150G	64.74	11.05	222.38	—	6597	8087	8380	58.3	63.2	32.8
		69.94	11.99	220.50	—	7242	6517	9057	58.3	63.2	41.4
		79.62	13.84	216.79	—	8492	10013	10373	58.3	63.2	61.8
250.8	SM-95T	93.46	15.88	219.08	—	4995	6161	7673	58.3	63.2	75.9
	SM-110T	93.46	15.88	219.08	—	5756	7046	8888	58.3	63.2	92.4
273.1	SM-80S	75.90	11.43	250.19	3576	—	5462	5182	40.4	40.4	22.2
		82.59	12.57	247.90	3981	—	5983	5676	44.5	44.5	27.7
	SM-90S	75.90	11.43	250.19	3937	—	5823	5832	45.4	45.4	23.4
		82.59	12.57	247.90	4386	—	6379	6383	47.4	50.0	28.7
	SM-95S	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	29.6
273.1	SM-85SS	75.90	11.43	250.19	3741	—	5591	5507	43.0	43.0	22.9
		82.59	12.57	247.90	4168	—	6125	6032	47.2	47.2	28.2
	SM-90SS	75.90	11.43	250.19	3910	—	5725	5832	45.4	45.4	23.4
		82.59	12.57	247.90	4355	—	6268	6383	47.4	50.0	28.7
	SM-95TS	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	30.8
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	41.0
		90.33	13.84	245.36	5107	—	7228	7384	47.4	51.4	52.1
		97.77	15.11	242.82	5618	—	7851	8020	47.4	51.4	59.6
	SM-95T	75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	30.8
		82.59	12.57	247.90	4639	—	6779	6739	47.4	51.4	41.0
		90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	52.1
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	62.1
		105.81	16.51	240.03	6241	—	8767	8714	47.4	51.4	71.2
	SM-110T	75.90	11.43	250.19	4804	—	7090	7126	47.4	51.4	31.0
		82.59	12.57	247.90	5351	—	7762	7802	47.4	51.4	41.4
		90.33	13.84	243.84	5952	—	8505	8549	47.4	51.4	53.8
		97.77	15.11	242.82	6548	—	9239	9288	47.4	51.4	70.3
		105.81	16.51	240.03	7197	—	10040	10093	47.4	51.4	86.2
	SM-80L	75.90	11.43	250.19	3576	—	5462	5182	40.4	40.4	22.2
		82.59	12.57	247.90	3981	—	5983	5676	44.5	44.5	27.7
273.1	SM-95L	75.90	11.43	250.19	4124	—	6023	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4591	—	6597	6739	47.4	51.4	29.6
	SM-110L	75.90	11.43	250.19	4804	—	7090	7126	47.4	51.4	25.2
		82.59	12.57	247.90	5351	—	7762	7802	47.4	51.4	31.8
		90.33	13.84	245.36	5952	—	8505	8549	47.4	51.4	40.6
		97.77	15.11	242.82	6548	—	9239	9288	47.4	51.4	51.8
	SM-95G	75.90	11.43	250.19	4168	—	6192	6152	47.4	48.0	24.1
		82.59	12.57	247.90	4639	—	6779	6739	47.4	51.4	29.6
		90.33	13.84	245.36	5164	—	7429	7384	47.4	51.4	38.5
		97.77	15.11	242.82	5680	—	8069	8020	47.4	51.4	48.0
	SM-125G	75.90	11.43	250.19	5440	—	7985	8096	47.4	51.4	25.8
		82.59	12.57	247.90	6058	—	8745	8865	47.4	51.4	33.4
		90.33	13.84	245.36	6739	—	9581	9715	47.4	51.4	41.9
		97.77	15.11	242.82	7415	—	10409	10556	47.4	51.4	54.6
		75.90	11.43	250.19	6032	—	8714	9070	47.4	51.4	25.9

住友(SM)特殊钢级套管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	连接强度 园扣 短扣 KN	园扣 长扣 KN	偏梯扣 KN	管体抗拉强度 KN	抗内压 园扣 MPa	抗内压 偏梯扣 MPa	抗挤强度 MPa
	SM-140G	82.59	12.57	247.90	6717	—	9546	9933	47.4	51.4	34.4
		90.33	13.84	245.36	7473	—	10458	10880	47.4	51.4	44.0
		97.77	15.11	242.82	8220	—	11361	11823	47.4	51.4	56.5
	SM-150G	75.90	11.43	250.19	6454	—	9315	9715	47.4	51.4	25.9
		82.59	12.57	247.90	7193	—	10200	10640	47.4	51.4	34.7
273.1	SM-150G	90.33	13.84	245.36	7998	—	11178	11659	47.4	51.4	45.1
		97.77	15.11	242.82	8799	—	12144	12664	47.4	51.4	57.4
	SM-80S	101.20	12.19	315.34	4284	—	7050	6921	31.4	34.0	15.6
		107.15	13.06	313.61	4626	—	7531	7388	31.4	34.0	18.4
	SM-90S	101.20	12.19	315.34	4728	—	7593	7784	31.4	34.0	16.0
		107.15	13.06	313.61	5107	—	8109	8314	31.4	34.0	19.2
	SM-95S	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
	SM-85SS	101.20	12.19	315.34	4493	—	7268	7353	31.4	34.0	15.9
		107.15	13.06	313.61	4853	—	7762	7851	31.4	34.0	18.8
339.7	SM-90SS	101.20	12.19	315.34	4702	—	7486	7784	31.4	34.0	16.0
		107.15	13.06	313.61	5080	—	7993	8314	31.4	34.0	19.2
	SM-95TS	107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	23.9
		120.09	14.73	310.26	6121	—	9452	9853	31.4	34.0	34.4
		127.98	15.88	307.98	6637	—	10146	10578	31.4	34.0	43.0
	SM-95T	107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	23.9
		120.09	14.73	310.26	6179	—	9666	9853	31.4	34.0	34.4
		127.98	15.88	307.98	6703	—	10378	10578	31.4	34.0	43.0
	SM-110T	107.15	13.06	313.61	6236	—	9880	10160	31.4	34.0	24.1
		120.09	14.73	310.26	7126	—	11089	11410	31.4	34.0	34.5
	SM-110T	127.98	15.88	307.98	7731	—	11908	12250	31.4	34.0	43.4
	SM-80L	101.20	12.19	315.34	4284	—	7050	6921	31.4	34.0	15.6
		107.15	13.06	313.61	4626	—	7531	7388	31.4	34.0	18.4
	SM-95L	101.20	12.19	315.34	4955	—	7882	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5356	—	8420	8776	31.4	34.0	19.5
	SM-110L	101.20	12.19	315.34	5769	—	9248	9515	31.4	34.0	16.1
		107.15	13.06	313.61	6236	—	9880	10160	31.4	34.0	19.9
339.7	SM-95G	101.20	12.19	315.34	5004	—	8060	8216	31.4	34.0	16.1
		107.15	13.06	313.61	5405	—	8607	8776	31.4	34.0	19.5
	SM-125G	101.20	12.19	315.34	6539	—	10436	10814	31.4	34.0	16.1
		107.15	13.06	313.61	7064	—	11147	11548	31.4	34.0	19.9
	SM-140G	101.20	12.19	315.34	7259	—	11445	12108	31.4	34.0	16.1
		107.15	13.06	313.61	7842	—	12224	12931	31.4	34.0	19.9
	SM-150G	101.20	12.19	315.34	7771	—	12242	12975	31.4	34.0	16.1
		107.15	13.06	313.61	8394	—	13073	13856	31.4	34.0	19.9

注：φ139.7mm和φ177.8mm套管强度数据在住友(SM)API园螺纹中查找

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
60.3	J-55	7.00	4.83	50.70	48.30	320	320	53.1	55.8
		7.89	5.54	49.30	46.90	360	360	60.9	63.2
		8.86	6.45	47.40	45.00	410	410	70.9	72.5
		9.23	6.63	47.10	44.70	420	420	72.9	74.2
		11.47	8.53	43.30	40.90	530	530	93.9	92.1
	N-80	7.00	4.83	50.70	48.30	460	460	77.2	81.2
		7.89	5.54	49.30	46.90	530	530	88.6	92.0
		8.86	6.45	47.40	45.00	600	600	103.2	105.4
		9.23	6.63	47.10	44.70	620	620	106.1	107.9
		11.47	8.53	43.30	40.90	770	770	136.6	134.0
	L-80	7.00	4.83	50.70	48.30	460	460	77.2	81.2
		7.89	5.54	49.30	46.90	530	530	88.6	92.0
		8.86	6.45	47.40	45.00	600	600	103.2	105.4
		9.23	6.63	47.10	44.70	620	620	106.1	107.9
		11.47	8.53	43.30	40.90	770	770	136.6	134.0
	AC-80	7.00	4.83	50.70	48.30	460	460	77.2	81.2
		7.89	5.54	49.30	46.90	530	530	88.6	92.0
		8.86	6.45	47.40	45.00	600	600	103.2	105.4
		9.23	6.63	47.10	44.70	620	620	106.1	107.9
		11.47	8.53	43.30	40.90	770	770	136.6	134.0
	CR13,15,25-80	7.00	4.83	50.70	48.30	460	460	77.2	81.2
		7.89	5.54	49.30	46.90	530	530	88.6	92.0
		8.86	6.45	47.40	45.00	600	600	103.2	105.4
60.3	CR13,15,25-80	9.23	6.63	47.10	44.70	620	620	106.1	107.9
		11.47	8.53	43.30	40.90	770	770	136.6	134.0
	NIC25,32-80	7.00	4.83	50.70	48.30	460	460	77.2	—
		7.89	5.54	49.30	46.90	530	530	88.6	—
		8.86	6.45	47.40	45.00	600	600	103.2	—
		9.23	6.63	47.10	44.70	620	620	106.1	—
		11.47	8.53	43.30	46.90	770	770	136.6	—
	C-90	7.00	4.83	50.70	48.30	520	520	86.9	91.4
		7.89	5.54	49.30	46.90	590	590	99.7	103.5
		8.86	6.45	47.40	45.00	680	680	116.1	118.5
		9.23	6.63	47.10	44.70	690	690	119.4	121.4
		11.47	8.53	43.30	40.90	860	860	153.6	150.7
	AC-90	7.00	4.83	50.70	48.30	520	520	86.9	91.4
		7.89	5.54	49.30	46.90	590	590	99.7	103.5
		8.86	6.45	47.40	45.00	680	680	116.1	118.5
		9.23	6.63	47.10	44.70	690	690	119.4	121.4
		11.47	8.53	43.30	40.90	860	860	153.6	150.7
	T-95	7.00	4.83	50.70	48.30	550	550	91.7	96.4
		7.89	5.54	49.30	46.90	620	620	105.2	109.2
		8.86	6.45	47.40	45.00	720	720	122.6	125.1
		9.23	6.63	47.10	44.70	730	730	126.0	128.2
		11.47	8.53	43.30	40.90	910	910	162.2	159.1
	AC-95	7.00	4.83	50.70	48.30	550	550	91.7	96.4
60.3	AC-95	7.89	5.54	49.30	46.90	620	620	105.2	109.2
		8.86	6.45	47.40	45.00	720	720	122.6	125.1
		9.23	6.63	47.10	44.70	730	730	126.0	128.2
		11.47	8.53	43.30	40.90	910	910	162.2	159.1
	LT-95	7.00	4.83	50.70	48.30	550	550	91.7	96.4
		7.89	5.54	49.30	46.90	620	620	105.2	109.2
		8.86	6.45	47.40	45.00	720	720	122.6	125.1
		9.23	6.63	47.10	44.70	730	730	126.0	128.2
		11.47	8.53	43.30	40.90	910	910	162.2	159.1
	CR13,15-95	7.00	4.83	50.70	48.30	550	550	91.7	96.4
		7.89	5.54	49.30	46.90	620	620	105.2	109.2
		8.86	6.45	47.40	45.00	720	720	122.6	125.1
		9.23	6.63	47.10	44.70	730	730	126.0	128.2
		11.47	8.53	43.30	40.90	910	910	162.2	159.1
		7.00	4.83	50.70	48.30	640	640	106.2	111.2

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
	P-110	7.89	5.54	49.30	46.90	720	720	121.8	126.5
		8.86	6.45	47.40	45.00	830	830	142.0	144.9
		9.23	6.63	47.10	44.70	850	850	145.8	148.4
		11.47	8.53	43.30	40.90	1050	1050	187.8	184.2
	LT-110	7.00	4.83	50.70	48.30	640	640	106.2	111.2
		7.89	5.54	49.30	46.90	720	720	121.8	126.5
		8.86	6.45	47.40	45.00	830	830	142.0	144.9
		9.23	6.63	47.10	44.70	850	850	145.8	148.4
	LT-110	11.47	8.53	43.30	40.90	1050	1050	187.8	184.2
	NIC25,32,42-110	7.00	4.83	50.70	48.30	640	640	106.2	111.2
		7.89	5.54	49.30	46.90	720	720	121.8	126.5
		8.86	6.45	47.40	45.00	830	830	142.0	144.9
		9.23	6.63	47.10	44.70	850	850	145.8	148.4
		11.47	8.53	43.30	40.90	1050	1050	187.8	184.2
	CR22-110	7.00	4.83	50.70	48.30	640	640	106.2	111.2
		7.89	5.54	49.30	46.90	720	720	121.8	126.5
		8.86	6.45	47.40	45.00	830	830	142.0	144.9
		9.23	6.63	47.10	44.70	850	850	145.8	148.4
		11.47	8.53	43.30	40.90	1050	1050	187.8	184.2
60.3	NK-125	7.00	4.83	50.70	48.30	730	730	120.7	123.4
		7.89	5.54	49.30	46.90	820	820	138.5	143.7
		8.86	6.45	47.40	45.00	940	940	161.3	164.7
		9.23	6.63	47.10	44.70	960	960	165.8	168.6
		11.47	8.53	43.30	40.90	1200	1200	213.4	209.3
	LT-125	7.00	4.83	50.70	48.30	730	730	120.7	123.4
		7.89	5.54	49.30	46.90	820	820	138.5	143.7
		8.86	6.45	47.40	45.00	940	940	161.3	164.7
		9.23	6.63	47.10	44.70	960	960	165.8	168.6
		11.47	8.53	43.30	40.90	1200	1200	213.4	209.3
	NIC25,32,42,42M 52-125	7.00	4.83	50.70	48.30	730	730	120.7	123.4
		7.89	5.54	49.30	46.90	820	820	138.5	143.7
	NIC25,32,42,42M 52-125	8.86	6.45	47.40	45.00	940	940	161.3	164.7
		9.23	6.63	47.10	44.70	960	960	165.8	168.6
		11.47	8.53	43.30	40.90	1200	1200	213.4	209.3
	CR22-125	7.00	4.83	50.70	48.30	730	730	120.7	123.4
		7.89	5.54	49.30	46.90	820	820	138.5	143.7
		8.86	6.45	47.40	45.00	940	940	161.3	164.7
		9.23	6.63	47.10	44.70	960	960	165.8	168.6
		11.47	8.53	43.30	40.90	1200	1200	213.4	209.3
	NK42M-135	7.00	4.83	50.70	48.30	780	780	130.3	131.2
		7.89	5.54	49.30	46.90	890	890	149.6	155.2
		8.86	6.45	47.40	45.00	1020	1020	174.2	177.8
60.3		9.23	6.63	47.10	44.70	1040	1040	179.0	182.1
		11.47	8.53	43.30	40.90	1290	1290	230.4	226.1
	NIC52-140	7.00	4.83	50.70	48.30	810	810	135.1	135.0
		7.89	5.54	49.30	46.90	920	920	155.1	160.9
		8.86	6.45	47.40	45.00	1050	1050	180.6	184.4
		9.23	6.63	47.10	44.70	1080	1080	185.6	188.9
		11.47	8.53	43.30	40.90	1340	1340	239.0	234.5
	CR22-140	7.00	4.83	50.70	48.30	810	810	135.1	135.0
		7.89	5.54	49.30	46.90	920	920	155.1	160.9
		8.86	6.45	47.40	45.00	1050	1050	180.6	184.4
		9.23	6.63	47.10	44.70	1080	1080	185.6	188.9
		11.47	8.53	43.30	40.90	1340	1340	239.0	234.5
	J-55	9.68	5.51	62.00	59.60	440	440	50.1	53.0
		11.77	7.01	59.00	56.60	550	550	63.7	65.8
		12.96	7.82	57.40	55.00	610	610	71.1	72.5
		14.15	8.64	55.80	53.40	660	660	78.5	79.1
		15.94	9.96	53.10	50.70	750	750	90.5	89.3
		16.38	10.29	52.50	50.10	770	770	93.5	91.8
		17.35	11.18	50.70	48.30	820	820	101.6	98.3

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
73.0	L-80	9.68	5.51	62.00	59.60	650	650	72.9	77.0
		11.77	7.01	59.00	56.60	800	800	92.7	95.8
		12.96	7.82	57.40	55.00	880	880	103.4	105.5
		14.15	8.64	55.80	53.40	960	960	114.2	115.0
		15.94	9.96	53.10	50.70	1090	1090	131.6	129.9
		16.38	10.29	52.50	50.10	1120	1120	136.0	133.5
		17.35	11.18	50.70	48.30	1200	1200	147.8	143.0
	N-80	9.68	5.51	62.00	59.60	650	650	72.9	77.0
		11.77	7.01	59.00	56.60	800	800	92.7	95.8
		12.96	7.82	57.40	55.00	880	880	103.4	105.5
		14.15	8.64	55.80	53.40	960	960	114.2	115.0
		15.94	9.96	53.10	50.70	1090	1090	131.6	129.9
		16.38	10.29	52.50	50.10	1120	1120	136.0	133.5
		17.35	11.18	50.70	48.30	1200	1200	147.8	143.0
	AC-80	12.96	7.82	57.40	55.00	880	880	103.4	105.5
		14.15	8.64	55.80	53.40	960	960	114.2	115.0
73.0	AC-80	15.94	9.96	53.10	50.70	1090	1090	131.6	129.9
		16.38	10.29	52.50	50.10	1120	1120	136.0	133.5
		17.35	11.18	50.70	48.30	1200	1200	147.8	143.0
	CR13,15,25-80	9.68	5.51	62.00	59.60	650	650	72.9	77.0
		11.77	7.01	59.00	56.60	800	800	92.7	95.8
		12.96	7.82	57.40	55.00	880	880	103.4	105.5
		14.15	8.64	55.80	53.40	960	960	114.2	115.0
		15.94	9.96	53.10	50.70	1090	1090	131.6	129.9
		16.38	10.29	52.50	50.10	1120	1120	136.0	133.5
		17.35	11.18	50.70	48.30	1200	1200	147.8	143.0
	NIC25,32-80	9.68	5.51	62.00	59.60	650	650	72.9	—
		11.77	7.01	59.00	56.60	800	800	92.7	—
		12.96	7.82	57.40	55.00	880	880	103.4	—
		14.15	8.64	55.80	53.40	960	960	114.2	—
		15.94	9.96	53.10	50.70	1090	1090	131.6	—
		16.38	10.29	52.50	50.10	1120	1120	136.0	—
		17.35	11.18	50.70	48.30	1200	1200	147.8	—
	C-90	9.68	5.51	62.00	59.60	730	730	82.0	85.4
		11.77	7.01	59.00	56.60	900	900	104.3	107.7
		12.96	7.82	57.40	55.00	1000	1000	116.3	118.7
		14.15	8.64	55.80	53.40	1080	1080	128.5	129.4
		15.94	9.96	53.10	50.70	1230	1230	148.0	146.2
		16.38	10.29	52.50	50.10	1260	1260	153.0	150.2
	C-90	17.35	11.18	50.70	48.30	1350	1350	166.2	160.9
	AC-90	9.68	5.51	62.00	59.60	730	730	82.0	85.4
		11.77	7.01	59.00	56.60	900	900	104.3	107.7
		12.96	7.82	57.40	55.00	1000	1000	116.3	118.7
		14.15	8.64	55.80	53.40	1080	1080	128.5	129.4
		15.94	9.96	53.10	50.70	1230	1230	148.0	146.2
		16.38	10.29	52.50	50.10	1260	1260	153.0	150.2
		17.35	11.18	50.70	48.30	1350	1350	166.2	160.9
73.0	T-95	9.68	5.51	62.00	59.60	770	770	86.5	89.2
		11.77	7.01	59.00	56.60	950	950	110.0	113.7
		12.96	7.82	57.40	55.00	1050	1050	122.8	125.3
		14.15	8.64	55.80	53.40	1150	1150	135.6	136.6
		15.94	9.96	53.10	50.70	1290	1290	156.3	154.2
		16.38	10.29	52.50	50.10	1330	1330	161.5	158.5
		17.35	11.18	50.70	48.30	1420	1420	175.4	169.8
	AC-95	9.68	5.51	62.00	59.60	770	770	86.5	89.2
		11.77	7.01	59.00	56.60	950	950	110.0	113.7
		12.96	7.82	57.40	55.00	1050	1050	122.8	125.3
		14.15	8.64	55.80	53.40	1150	1150	135.6	136.6
		15.94	9.96	53.10	50.70	1290	1290	156.3	154.2
		16.38	10.29	52.50	50.10	1330	1330	161.5	158.5
		17.35	11.18	50.70	48.30	1420	1420	175.4	169.8

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
	LT-95	9.68	5.51	62.00	59.60	770	770	86.5	89.2
73.0	LT-95	11.77	7.01	59.00	56.60	950	950	110.0	113.7
		12.96	7.82	57.40	55.00	1050	1050	122.8	125.3
		14.15	8.64	55.80	53.40	1150	1150	135.6	136.6
		15.94	9.96	53.10	50.70	1290	1290	156.3	154.2
		16.38	10.29	52.50	50.10	1330	1330	161.5	158.5
		17.35	11.18	50.70	48.30	1420	1420	175.4	169.8
	CR13,15-95	9.68	5.51	62.00	59.60	770	770	86.5	89.2
		11.77	7.01	59.00	56.60	950	950	110.0	113.7
		12.96	7.82	57.40	55.00	1050	1050	122.8	125.3
		14.15	8.64	55.80	53.40	1150	1150	135.6	136.6
		15.94	9.96	53.10	50.70	1290	1290	156.3	154.2
		16.38	10.29	52.50	50.10	1330	1330	161.5	158.5
		17.35	11.18	50.70	48.30	1420	1420	175.4	169.8
	P-110	9.68	5.51	62.00	59.60	890	890	100.2	100.3
		11.77	7.01	59.00	56.60	1100	1100	127.4	131.6
		12.96	7.82	57.40	55.00	1220	1220	142.2	145.1
		14.15	8.64	55.80	53.40	1330	1330	157.0	158.2
		15.94	9.96	53.10	50.70	1500	1500	181.0	178.6
		16.38	10.29	52.50	50.10	1540	1540	187.0	183.6
		17.35	11.18	50.70	48.30	1650	1650	203.1	196.6
	LT-110	9.68	5.51	62.00	59.60	890	890	100.2	100.3
		11.77	7.01	59.00	56.60	1100	1100	127.4	131.6
		12.96	7.82	57.40	55.00	1220	1220	142.2	145.1
73.0	LT-110	14.15	8.64	55.80	53.40	1330	1330	157.0	158.2
		15.94	9.96	53.10	50.70	1500	1500	181.0	178.6
		16.38	10.29	52.50	50.10	1540	1540	187.0	183.6
		17.35	11.18	50.70	48.30	1650	1650	203.1	196.6
	NIC25,32,42-110	9.68	5.51	62.00	59.60	890	890	100.2	100.3
		11.77	7.01	59.00	56.60	1100	1100	127.4	131.6
		12.96	7.82	57.40	55.00	1220	1220	142.2	145.1
		14.15	8.64	55.80	53.40	1330	1330	157.0	158.2
		15.94	9.96	53.10	50.70	1500	1500	181.0	178.6
		16.38	10.29	52.50	50.10	1540	1540	187.0	183.6
		17.35	11.18	50.70	48.30	1650	1650	203.1	196.6
	CR22-110	9.68	5.51	62.00	59.60	890	890	100.2	100.3
		11.77	7.01	59.00	56.60	1100	1100	127.4	131.6
		12.96	7.82	57.40	55.00	1220	1220	142.2	145.1
		14.15	8.64	55.80	53.40	1330	1330	157.0	158.2
		15.94	9.96	53.10	50.70	1500	1500	181.0	178.6
		16.38	10.29	52.50	50.10	1540	1540	187.0	183.6
		17.35	11.18	50.70	48.30	1650	1650	203.1	196.6
	NK-125	9.68	5.51	62.00	59.60	1010	1010	113.8	110.8
		11.77	7.01	59.00	56.60	1250	1250	144.8	149.6
		12.96	7.82	57.40	55.00	1380	1380	161.5	164.9
		14.15	8.64	55.80	53.40	1510	1510	178.4	179.8
		15.94	9.96	53.10	50.70	1700	1700	205.7	203.0
	NK-125	16.38	10.29	52.50	50.10	1750	1750	212.5	208.6
		17.35	11.18	50.70	48.30	1870	1870	230.8	223.5
	LT-125	9.68	5.51	62.00	59.60	1010	1010	113.8	110.8
		11.77	7.01	59.00	56.60	1250	1250	144.8	149.6
		12.96	7.82	57.40	55.00	1380	1380	161.5	164.9
		14.15	8.64	55.80	53.40	1510	1510	178.4	179.8
		15.94	9.96	53.10	50.70	1700	1700	205.7	203.0
		16.38	10.29	52.50	50.10	1750	1750	212.5	208.6
		17.35	11.18	50.70	48.30	1870	1870	230.8	223.5
73.0	NIC25,32,42 ,42M,52-125	9.68	5.51	62.00	59.60	1010	1010	113.8	110.8
		11.77	7.01	59.00	56.60	1250	1250	144.8	149.6
		12.96	7.82	57.40	55.00	1380	1380	161.5	164.9
		14.15	8.64	55.80	53.40	1510	1510	178.4	179.8
		15.94	9.96	53.10	50.70	1700	1700	205.7	203.0

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		16.38	10.29	52.50	50.10	1750	1750	212.5	208.6
		17.35	11.18	50.70	48.30	1870	1870	230.8	223.5
	CR22-125	9.68	5.51	62.00	59.60	1010	1010	113.8	110.8
		11.77	7.01	59.00	56.60	1250	1250	144.8	149.6
		12.96	7.82	57.40	55.00	1380	1380	161.5	164.9
		14.15	8.64	55.80	53.40	1510	1510	178.4	179.8
		15.94	9.96	53.10	50.70	1700	1700	205.7	203.0
		16.38	10.29	52.50	50.10	1750	1750	212.5	208.6
		17.35	11.18	50.70	48.30	1870	1870	230.8	223.5
	NIC42M-135	9.68	5.51	62.00	59.60	1090	1090	122.9	117.4
		11.77	7.01	59.00	56.60	1350	1350	156.4	161.5
		12.96	7.82	57.40	55.00	1490	1490	174.5	178.1
		14.15	8.64	55.80	53.40	1630	1630	192.6	194.1
		15.94	9.96	53.10	50.70	1840	1840	222.1	219.2
		16.38	10.29	52.50	50.10	1890	1890	229.5	225.3
		17.35	11.18	50.70	48.30	2020	2020	249.3	241.3
73.0	NIC52-140	9.68	5.51	62.00	59.60	1130	1130	127.5	120.6
		11.77	7.01	59.00	56.60	1400	1400	162.2	167.5
		12.96	7.82	57.40	55.00	1550	1550	181.0	184.6
		14.15	8.64	55.80	53.40	1690	1690	199.7	201.3
		15.94	9.96	53.10	50.70	1910	1910	230.4	227.3
		16.38	10.29	52.50	50.10	1960	1960	237.9	233.7
		17.35	11.18	50.70	48.30	2100	2100	258.6	250.2
	CR22-140	9.68	5.51	62.00	59.60	1130	1130	127.5	120.6
		11.77	7.01	59.00	56.60	1400	1400	162.2	167.5
		12.96	7.82	57.40	55.00	1550	1550	181.0	184.6
		14.15	8.64	55.80	53.40	1690	1690	199.7	201.3
		15.94	9.96	53.10	50.70	1910	1910	230.4	227.3
		16.38	10.29	52.50	50.10	1960	1960	237.9	233.7
		17.35	11.18	50.70	48.30	2100	2100	258.6	250.2
88.9	J-55	13.85	6.45	76.00	72.80	630	630	48.2	51.0
		15.34	7.34	74.20	71.00	710	710	54.8	57.4
	J-55	19.07	9.35	70.20	67.00	890	890	69.8	71.4
		19.29	9.53	69.90	66.70	900	900	71.1	72.5
		22.49	11.40	66.10	62.90	1050	1050	85.2	84.8
		23.53	12.09	64.70	61.50	1110	1110	90.3	89.2
		24.87	12.95	63.00	59.80	1170	1170	96.7	94.4
		25.40	13.46	62.00	58.80	1210	1210	100.5	97.4
88.9	N-80	13.85	6.45	76.00	72.80	920	920	70.1	72.7
		15.34	7.34	74.20	71.00	1040	1040	79.7	83.6
		19.07	9.35	70.20	67.00	1290	1290	101.5	103.8
		19.29	9.53	69.90	66.70	1310	1310	103.4	105.6
		22.49	11.40	66.10	62.90	1530	1530	123.8	123.4
		23.53	12.09	64.70	61.50	1610	1610	131.3	129.6
		24.87	12.95	63.00	59.80	1710	1710	140.7	137.3
		25.40	13.46	62.00	58.80	1760	1760	146.2	141.8
	L-80	13.85	6.45	76.00	72.80	920	920	70.1	72.7
		15.34	7.34	74.20	71.00	1040	1040	79.7	83.6
		19.07	9.35	70.20	67.00	1290	1290	101.5	103.8
		19.29	9.53	69.90	66.70	1310	1310	103.4	105.6
		22.49	11.40	66.10	62.90	1530	1530	123.8	123.4
		23.53	12.09	64.70	61.50	1610	1610	131.3	129.6
		24.87	12.95	63.00	59.80	1710	1710	140.7	137.3
		25.40	13.46	62.00	58.80	1760	1760	146.2	141.8
	AC-80	13.85	6.45	76.00	72.80	920	920	70.1	72.7
	AC-80	15.34	7.34	74.20	71.00	1040	1040	79.7	83.6
		19.07	9.35	70.20	67.00	1290	1290	101.5	103.8
		19.29	9.53	69.90	66.70	1310	1310	103.4	105.6
		22.49	11.40	66.10	62.90	1530	1530	123.8	123.4
		23.53	12.09	64.70	61.50	1610	1610	131.3	129.6
		24.87	12.95	63.00	59.80	1710	1710	140.7	137.3

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		25.40	13.46	62.00	58.80	1760	1760	146.2	141.8
88.9	CR13,15,25-80	13.85	6.45	76.00	72.80	920	920	70.1	72.7
		15.34	7.34	74.20	71.00	1040	1040	79.7	83.6
		19.07	9.35	70.20	67.00	1290	1290	101.5	103.8
		19.29	9.53	69.90	66.70	1310	1310	103.4	105.6
		22.49	11.40	66.10	62.90	1530	1530	123.8	123.4
		23.53	12.09	64.70	61.50	1610	1610	131.3	129.6
		24.87	12.95	63.00	59.80	1710	1710	140.7	137.3
		25.40	13.46	62.00	58.80	1760	1760	146.2	141.8
	NIC25,32-80	13.85	6.45	76.00	72.80	920	920	70.1	—
		15.34	7.34	74.20	71.00	1040	1040	79.7	—
		19.07	9.35	70.20	67.00	1290	1290	101.5	—
		19.29	9.53	69.90	66.70	1310	1310	103.4	—
		22.49	11.40	66.10	62.90	1530	1530	123.8	—
		23.53	12.09	64.70	61.50	1610	1610	131.3	—
		24.87	12.95	63.00	59.80	1710	1710	140.7	—
		25.40	13.46	62.00	58.80	1760	1760	146.2	—
88.9	C-90	13.85	6.45	76.00	72.80	1040	1040	78.8	79.8
		15.34	7.34	74.20	71.00	1170	1170	89.7	94.0
		19.07	9.35	70.20	67.00	1450	1450	114.2	116.8
		19.29	9.53	69.90	66.70	1480	1480	116.4	118.7
		22.49	11.40	66.10	62.90	1720	1720	139.3	138.8
		23.53	12.09	64.70	61.50	1810	1810	147.7	145.8
		24.87	12.95	63.00	59.80	1920	1920	158.2	154.5
		25.40	13.46	62.00	58.80	1980	1980	164.4	159.5
	AC-90	13.85	6.45	76.00	72.80	1040	1040	78.8	79.8
		15.34	7.34	74.20	71.00	1170	1170	89.7	94.0
		19.07	9.35	70.20	67.00	1450	1450	114.2	116.8
		19.29	9.53	69.90	66.70	1480	1480	116.4	118.7
		22.49	11.40	66.10	62.90	1720	1720	139.3	138.8
		23.53	12.09	64.70	61.50	1810	1810	147.7	145.8
		24.87	12.95	63.00	59.80	1920	1920	158.2	154.5
		25.40	13.46	62.00	58.80	1980	1980	164.4	159.5
	T-95	13.85	6.45	76.00	72.80	1100	1100	83.2	83.3
		15.34	7.34	74.20	71.00	1230	1230	94.7	99.2
		19.07	9.35	70.20	67.00	1530	1530	120.5	123.3
		19.29	9.53	69.90	66.70	1560	1560	122.8	125.4
		22.49	11.40	66.10	62.90	1820	1820	147.1	146.5
		23.53	12.09	64.70	61.50	1910	1910	155.9	154.0
		24.87	12.95	63.00	59.80	2030	2030	167.1	163.1
88.9	T-95	25.40	13.46	62.00	58.80	2090	2090	173.6	168.3
	AC-95	13.85	6.45	76.00	72.80	1100	1100	83.2	83.3
		15.34	7.34	74.20	71.00	1230	1230	94.7	99.2
		19.07	9.35	70.20	67.00	1530	1530	120.5	123.3
		19.29	9.53	69.90	66.70	1560	1560	122.8	125.4
		22.49	11.40	66.10	62.90	1820	1820	147.1	146.5
		23.53	12.09	64.70	61.50	1910	1910	155.9	154.0
		24.87	12.95	63.00	59.80	2030	2030	167.1	163.1
		25.40	13.46	62.00	58.80	2090	2090	173.6	168.3
	LT-95	13.85	6.45	76.00	72.80	1100	1100	83.2	83.3
		15.34	7.34	74.20	71.00	1230	1230	94.7	99.2
		19.07	9.35	70.20	67.00	1530	1530	120.5	123.3
		19.29	9.53	69.90	66.70	1560	1560	122.8	125.4
		22.49	11.40	66.10	62.90	1820	1820	147.1	146.5
		23.53	12.09	64.70	61.50	1910	1910	155.9	154.0
		24.87	12.95	63.00	59.80	2030	2030	167.1	163.1
		25.40	13.46	62.00	58.80	2090	2090	173.6	168.3
	CR13,15-95	13.85	6.45	76.00	72.80	1100	1100	83.2	83.3
		15.34	7.34	74.20	71.00	1230	1230	94.7	99.2
		19.07	9.35	70.20	67.00	1530	1530	120.5	123.3
		19.29	9.53	69.90	66.70	1560	1560	122.8	125.4

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		22.49	11.40	66.10	62.90	1820	1820	147.1	146.5
		23.53	12.09	64.70	61.50	1910	1910	155.9	154.0
88.9	CR13,15-95	24.87	12.95	63.00	59.80	2030	2030	167.1	163.1
		25.40	13.46	62.00	58.80	2090	2090	173.6	168.3
	P-110	13.85	6.45	76.00	72.80	1270	1270	96.3	93.3
		15.34	7.34	74.20	71.00	1430	1430	109.6	114.9
		19.07	9.35	70.20	67.00	1770	1770	139.6	142.7
		19.29	9.53	69.90	66.70	1800	1800	142.2	145.1
		22.49	11.40	66.10	62.90	2110	2110	170.3	169.6
		23.53	12.09	64.70	61.50	2210	2210	180.5	178.2
		24.87	12.95	63.00	59.80	2350	2350	193.4	188.9
		25.40	13.46	62.00	58.80	2420	2420	201.0	194.9
	LT-110	13.85	6.45	76.00	72.80	1270	1270	96.3	93.3
		15.34	7.34	74.20	71.00	1430	1430	109.6	114.9
		19.07	9.35	70.20	67.00	1770	1770	139.6	142.7
		19.29	9.53	69.90	66.70	1800	1800	142.2	145.1
		22.49	11.40	66.10	62.90	2110	2110	170.3	169.6
		23.53	12.09	64.70	61.50	2210	2210	180.5	178.2
		24.87	12.95	63.00	95.80	2350	2350	193.4	188.9
		25.40	13.46	62.00	59.80	2420	2420	201.0	194.9
	NIC25,32,42-110	13.85	6.45	76.00	72.80	1270	1270	96.3	93.3
		15.34	7.34	74.20	71.00	1430	1430	109.6	114.9
		19.07	9.35	70.20	67.00	1770	1770	139.6	142.7
		19.29	9.53	69.90	66.70	1800	1800	142.2	145.1
		22.49	11.40	66.10	62.90	2110	2110	170.3	169.6
88.9	NIC25,32,42-110	23.53	12.09	64.70	61.50	2210	2210	180.5	178.2
		24.87	12.95	63.00	59.80	2350	2350	193.4	188.9
		25.40	13.46	62.00	58.80	2420	2420	201.0	194.9
	CR22-110	13.85	6.45	76.00	72.80	1270	1270	96.3	93.3
		15.34	7.34	74.20	71.00	1430	1430	109.6	114.9
		19.07	9.35	70.20	67.00	1770	1770	139.6	142.7
		19.29	9.53	69.90	66.70	1800	1800	142.2	145.1
		22.49	11.40	66.10	62.90	2110	2110	170.3	169.6
		23.53	12.09	64.70	61.50	2210	2210	180.5	178.2
		24.87	12.95	63.00	59.80	2350	2350	193.4	188.9
		25.40	13.46	62.00	58.80	2420	2420	201.0	194.9
88.9	NK-125	13.85	6.45	76.00	72.80	1440	1440	109.5	102.7
		15.34	7.34	74.20	71.00	1620	1620	124.5	130.6
		19.07	9.35	70.20	67.00	2020	2020	158.6	162.2
		19.29	9.53	69.90	66.70	2050	2050	161.6	164.9
		22.49	11.40	66.10	62.90	2400	2400	193.5	192.8
		23.53	12.09	64.70	61.50	2520	2520	205.1	202.6
		24.87	12.95	63.00	59.80	2670	2670	219.8	214.6
		25.40	13.46	62.00	58.80	2750	2750	228.4	221.5
	LT-125	13.85	6.45	76.00	72.80	1440	1440	109.5	102.7
		15.34	7.34	74.20	71.00	1620	1620	124.5	130.6
		19.07	9.35	70.20	67.00	2020	2020	158.6	162.2
		19.29	9.53	69.90	66.70	2050	2050	161.6	164.9
88.9	LT-125	22.49	11.40	66.10	62.90	2400	2400	193.5	192.8
		23.53	12.09	64.70	61.50	2520	2520	205.1	202.6
		24.87	12.95	63.00	59.80	2670	2670	219.8	214.6
		25.40	13.46	62.00	58.80	2750	2750	228.4	221.5
	NIC25,32,42,42M,52-125	13.85	6.45	76.00	72.80	1440	1440	109.5	102.7
		15.34	7.34	74.20	71.00	1620	1620	124.5	130.6
		19.07	9.35	70.20	67.00	2020	2020	158.6	162.2
		12.29	9.53	69.90	66.70	2050	2050	161.6	164.9
		22.49	11.40	66.10	62.90	2400	2400	193.5	192.8
		23.53	12.09	64.70	61.50	2520	2520	205.1	202.6
		24.87	12.95	63.00	59.80	2670	2670	219.8	214.6
		25.40	13.46	62.00	58.80	2750	2750	228.4	221.5
		13.85	6.45	76.00	72.80	1440	1440	109.5	102.7

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
	CR22-125	15.34	7.34	74.20	71.00	1620	1620	124.5	130.6
		19.07	9.35	70.20	67.00	2020	2020	158.6	162.2
		19.29	9.53	69.90	66.70	2050	2050	161.6	164.9
		22.49	11.40	66.10	62.90	2400	2400	193.5	192.8
		23.53	12.09	64.70	61.50	2520	2520	205.1	202.6
		24.87	12.95	63.00	59.80	2670	2670	219.8	214.6
		25.40	13.46	62.00	58.80	2750	2750	228.4	221.5
	NIC42M-135	13.85	6.45	76.00	72.80	1560	1560	118.2	108.5
		15.34	7.34	74.20	71.00	1750	1750	134.5	139.1
		19.07	9.35	70.20	67.00	2180	2180	171.3	175.1
88.9	NIC42M-135	19.29	9.53	69.90	66.70	2210	2210	174.5	178.1
		22.49	11.40	66.10	62.90	2590	2590	209.0	208.2
		23.53	12.09	64.70	61.50	2720	2720	221.5	218.8
		24.87	12.95	63.00	59.80	2880	2880	237.4	231.7
		25.40	13.46	62.00	58.80	2970	2970	246.7	239.2
	NIC52-140	13.85	6.45	76.00	72.80	1610	1610	122.6	111.4
		15.34	7.34	74.20	71.00	1820	1820	139.5	143.2
		19.07	9.35	70.20	67.00	2260	2260	177.6	181.6
		19.29	9.53	69.90	66.70	2290	2290	181.0	184.7
		22.49	11.40	66.10	62.90	2680	2680	216.7	215.9
		23.53	12.09	64.70	61.50	2820	2820	229.7	226.8
		24.87	12.95	63.00	59.80	2990	2990	246.2	240.4
		25.40	13.46	62.00	58.80	3080	3080	255.8	248.1
	CR22-140	13.85	6.45	76.00	72.80	1610	1610	122.6	111.4
		15.34	7.34	74.20	71.00	1820	1820	139.5	143.2
		19.07	9.35	70.20	67.00	2260	2260	177.6	181.6
		12.29	9.53	69.90	66.70	2290	2290	181.0	184.7
		22.49	11.40	66.10	62.90	2680	2680	216.7	215.9
		23.53	12.09	64.70	61.50	2820	2820	229.7	226.8
		24.87	12.95	63.00	59.80	2990	2990	246.2	240.4
		25.40	13.46	62.00	58.80	3080	3080	255.8	248.1
101.6	J-55	16.38	6.65	88.30	85.10	750	750	43.4	45.4
		19.96	8.38	84.80	81.70	930	930	54.7	57.4
101.6	J-55	28.30	12.70	76.20	73.00	1350	1350	82.9	82.9
		33.51	15.49	70.60	67.40	1420C	1590	101.2	98.0
	N-80	16.38	6.65	88.30	85.10	1100	1100	63.2	60.7
		19.96	8.38	84.80	81.70	1360	1360	79.6	83.5
		28.30	12.70	76.20	73.00	1960	1960	120.7	120.7
		33.51	15.49	70.60	67.40	2070C	2310	147.2	142.6
	L-80	16.38	6.65	88.30	85.10	1100	1100	63.2	60.7
		19.96	8.38	84.80	81.70	1360	1360	79.6	83.5
		28.30	12.70	76.20	73.00	1960	1960	120.7	120.7
		33.51	15.49	70.60	67.40	2070C	2310	147.2	142.6
	AC-80	16.38	6.65	88.30	85.10	1100	1100	63.2	60.7
		19.96	8.38	84.80	81.70	1360	1360	79.6	83.5
		28.30	12.70	76.20	73.00	1960	1960	120.7	120.7
		33.51	15.49	70.60	67.40	2070C	2310	147.2	142.6
	CR13,15,25-80	16.38	6.65	88.30	85.10	1100	1100	63.2	60.7
		19.96	8.38	84.80	81.70	1360	1360	79.6	83.5
		28.30	12.70	76.20	73.00	1960	1960	120.7	120.7
		33.51	15.49	70.60	67.40	2070C	2310	147.2	142.6
	NIC25,32-80	16.38	6.65	88.30	85.10	1100	1100	63.2	60.7
		19.96	8.38	84.80	81.70	1360	1360	79.6	83.5
		28.30	12.70	76.20	73.00	1960	1960	120.7	120.7
		33.51	15.49	70.60	67.40	2070C	2310	147.2	142.6
	C-90	16.38	6.65	88.30	85.10	1230	1230	71.2	66.1
	C-90	19.96	8.38	84.80	81.70	1520	1520	89.6	93.9
		28.30	12.70	76.20	73.00	2200	2200	135.8	135.8
		33.51	15.49	70.60	67.40	2330C	2600	165.6	160.4
	AC-90	16.38	6.65	88.30	85.10	1230	1230	71.2	66.1
		19.96	8.38	84.80	81.70	1520	1520	89.6	93.9

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
101.6		28.30	12.70	76.20	73.00	2200	2200	135.8	135.8
		33.51	15.49	70.60	67.40	2330C	2600	165.6	160.4
	T-95	16.38	6.65	88.30	85.10	1300	1300	75.1	68.8
		19.96	8.38	84.80	81.70	1610	1610	94.6	99.2
		28.30	12.70	76.20	73.00	2330	2330	143.3	143.3
		33.51	15.49	70.60	67.40	2460C	2750	174.8	169.3
	AC-95	16.38	6.65	88.30	85.10	1300	1300	75.1	68.8
		19.96	8.38	84.80	81.70	1610	1610	94.6	99.2
		28.30	12.70	76.20	73.00	2330	2330	143.3	143.3
		33.51	15.49	70.60	67.40	2460C	2750	174.8	169.3
	LT-95	16.38	6.65	88.30	85.10	1300	1300	75.1	68.8
		19.96	8.38	84.80	81.70	1610	1610	94.6	99.2
		28.30	12.70	76.20	73.00	2330	2330	143.3	143.3
		33.51	15.49	70.60	67.40	2460C	2750	174.8	169.3
	CR13,15-95	16.38	6.65	88.30	85.10	1300	1300	75.1	68.8
		19.96	8.38	84.80	81.70	1610	1610	94.6	99.2
		28.30	12.70	76.20	73.00	2330	2330	143.3	143.3
		33.51	15.49	70.60	67.40	2460C	2750	174.8	169.3
101.6	P-110	16.38	6.65	88.30	85.10	1510	1510	86.9	76.3
		19.96	8.38	84.80	81.70	1860	1860	109.5	114.8
		28.30	12.70	76.20	73.00	2690	2690	165.9	165.9
		33.51	15.49	70.60	67.40	2840C	3180	202.4	196.0
	LT-110	16.38	6.65	88.30	85.10	1510	1510	86.9	76.3
		19.96	8.38	84.80	81.70	1860	1860	109.5	114.8
		28.30	12.70	76.20	73.00	2690	2690	165.9	165.9
		33.51	15.49	70.60	67.40	2840C	3180	202.4	196.0
	NIC25,32,42-110	16.38	6.65	88.30	85.10	1510	1510	86.9	76.3
		19.96	8.38	84.80	81.70	1860	1860	109.5	114.8
		28.30	12.70	76.20	73.00	2690	2690	165.9	165.9
		33.51	15.49	70.60	67.40	2840C	3180	202.4	196.0
	CR22-110	16.38	6.65	88.30	85.10	1510	1510	86.9	76.3
		19.96	8.38	84.80	81.70	1860	1860	109.5	114.8
		28.30	12.70	76.20	73.00	2690	2690	165.9	165.9
		33.51	15.49	70.60	67.40	2840C	3180	202.4	196.0
	NK-125	16.38	6.65	88.30	85.10	1710	1710	98.8	82.9
		19.96	8.38	84.80	81.70	2120	2120	124.5	130.4
		28.30	12.70	76.20	73.00	3060	3060	188.5	188.5
		33.51	15.49	70.60	67.40	3230C	3620	230.0	222.8
	LT-125	16.38	6.65	88.30	85.10	1710	1710	98.8	82.9
		19.96	8.38	84.80	81.70	2120	2120	124.5	130.4
		28.30	12.70	76.20	73.00	3060	3060	188.5	188.5
101.6	LT-125	33.51	15.49	70.60	67.40	3230C	3620	230.0	222.8
	NIC25,32,42,42M,52-125	16.38	6.65	88.30	85.10	1710	1710	98.8	82.9
		19.96	8.38	84.80	81.70	2120	2120	124.5	130.4
		29.30	12.70	76.20	73.00	3060	3060	188.5	188.5
		33.51	15.49	70.60	67.40	3230C	3620	230.0	222.8
	CR22-125	16.38	6.65	88.30	85.10	1710	1710	98.8	82.9
		19.96	8.38	84.80	81.70	2120	2120	124.5	130.4
		28.30	12.70	76.20	73.00	3060	3060	188.5	188.5
		33.51	15.49	70.60	67.40	3230C	3620	230.0	222.8
	NIC42M-135	16.38	6.65	88.30	85.10	1850	1850	106.7	86.9
		19.96	8.38	84.80	81.70	2290	2290	134.4	138.9
		28.30	12.70	76.20	73.00	3300	3300	203.6	203.6
		33.51	15.49	70.60	67.40	3490C	3900	248.4	240.6
	NIC52-140	16.38	6.65	88.30	85.10	1920	1920	110.7	88.9
		19.96	8.38	84.80	81.70	2370	2370	139.3	143.0
		28.30	12.70	76.20	73.00	3430	3430	211.2	211.2
		33.51	15.49	70.60	67.40	3620C	4050	257.6	249.5
	CR22-140	16.38	6.65	88.30	85.10	1920	1920	110.7	88.9
		19.96	8.38	84.80	81.70	2370	2370	139.3	143.0
		28.30	12.70	76.20	73.00	3430	3430	211.2	211.2

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		33.51	15.49	70.60	67.40	3620C	4050	257.6	249.5
114.3	J-55	18.99	6.88	100.50	97.40	880	880	40.0	39.5
		20.11	7.37	99.60	96.40	940	940	42.7	44.3
114.3	J-55	23.09	8.56	97.20	94.00	1080	1080	49.7	52.5
		28.60	10.92	92.50	89.30	1350	1350	63.4	65.6
		32.17	12.70	88.90	85.70	1510C	1540	73.7	74.9
		35.75	14.22	85.90	82.70	1510C	1700	82.6	82.7
		39.47	16.00	82.30	79.10	1510C	1880	92.9	91.3
	N-80	18.99	6.88	100.50	97.40	1280	1280	58.1	51.7
		20.11	7.37	99.60	96.40	1370	1370	62.2	58.9
		23.09	8.56	97.20	94.00	1570	1570	72.3	76.4
		28.60	10.92	92.50	89.30	1960	1960	92.3	95.4
		32.17	12.70	88.90	85.70	2200C	2240	107.3	108.9
		35.75	14.22	85.90	82.70	2200C	2470	120.1	120.2
		39.47	16.00	82.30	79.10	2200C	2730	135.1	132.8
	L-80	18.99	6.88	100.50	97.40	1280	1280	58.1	51.7
		20.11	7.37	99.60	96.40	1370	1370	62.2	58.9
		23.09	8.56	97.20	94.00	1570	1570	72.3	76.4
		28.60	10.92	92.50	89.30	1960	1960	92.3	95.4
		32.17	12.70	88.90	85.70	2200C	2240	107.3	108.9
		35.75	14.22	85.90	82.70	2200C	2470	120.1	120.2
		39.47	16.00	82.30	79.10	2200C	2730	135.1	132.8
	AC-80	18.99	6.88	100.50	97.40	1280	1280	58.1	51.7
		20.11	7.37	99.60	96.40	1370	1370	62.2	58.9
		23.09	8.56	97.20	94.00	1570	1570	72.3	76.4
		28.60	10.92	92.50	89.30	1960	1960	92.3	95.4
114.3	AC-80	32.17	12.70	88.90	85.70	2200C	2240	107.3	108.9
		35.75	14.22	85.90	82.70	2200C	2470	120.1	120.2
		39.47	16.00	82.30	79.10	2200C	2730	135.1	132.8
	CR13,15,25-80	18.99	6.88	100.50	97.40	1280	1280	58.1	51.7
		20.11	7.37	99.60	96.40	1370	1370	62.2	58.9
		23.09	8.56	97.20	94.00	1570	1570	72.3	76.4
		28.60	10.92	92.50	89.30	1960	1960	92.3	95.4
		32.17	12.70	88.90	85.70	2200C	2240	107.3	108.9
		35.75	14.22	85.90	82.70	2200C	2470	120.1	120.2
		39.47	16.00	82.30	79.10	2200C	2730	135.1	132.8
114.3	NIC25,32-80	18.99	6.88	100.50	97.40	1280	1280	58.1	—
		20.11	7.37	99.60	96.40	1370	1370	62.2	—
		23.09	8.56	97.20	94.00	1570	1570	72.3	—
		28.60	10.92	92.50	89.30	1960	1960	92.3	—
		32.17	12.70	88.90	85.70	2200C	2240	107.3	—
		35.75	14.22	85.90	82.70	2200C	2470	120.1	—
		39.47	16.00	82.30	79.10	2200C	2730	135.1	—
	C-90	18.99	6.88	100.50	97.40	1440	1440	65.4	56.0
		20.11	7.37	99.60	96.40	1540	1540	70.0	64.1
		23.09	8.56	97.20	94.00	1770	1770	81.4	84.3
		28.60	10.92	92.50	89.30	2200	2200	103.8	107.3
		32.17	12.70	88.90	85.70	2470C	2520	120.7	122.6
		35.75	14.22	85.90	82.70	2470C	2780	135.1	135.2
	C-90	39.47	16.00	82.30	79.10	2470C	3070	152.0	149.4
	AC-90	18.99	6.88	100.50	97.40	1440	1440	65.4	56.0
		20.11	7.37	99.60	96.40	1540	1540	70.0	64.1
		23.09	8.56	97.20	94.00	1770	1770	81.4	84.3
		28.60	10.92	92.50	89.30	2200	2200	103.8	107.3
		32.17	12.70	88.90	85.70	2470C	2520	120.7	122.6
		35.75	14.22	85.90	82.70	2470C	2780	135.1	135.2
		39.47	16.00	82.30	79.10	2470C	3070	152.0	149.4
114.3	T-95	18.99	6.88	100.50	97.40	1520	1520	69.0	58.0
		20.11	7.37	99.60	96.40	1620	1620	73.8	66.6
		23.09	8.56	97.20	94.00	1860	1860	85.8	88.0
		28.60	10.92	92.50	89.30	2330	2330	109.6	113.2

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		32.17	12.70	88.90	85.70	2610C	2660	127.4	129.4
		35.75	14.22	85.90	82.70	2610C	2930	142.7	142.7
		39.47	16.00	82.30	79.10	2610C	3240	160.5	157.8
	AC-95	18.99	6.88	100.50	97.40	1520	1520	69.0	58.0
		20.11	7.37	99.60	96.40	1620	1620	73.8	66.6
		23.09	8.56	97.20	94.00	1860	1860	85.8	88.0
		28.60	10.92	92.50	89.30	2330	2330	109.6	113.2
		32.17	12.70	88.90	85.70	2610C	2660	127.4	129.4
		35.75	14.22	85.90	82.70	2610C	2930	142.7	142.7
		39.47	16.00	82.30	79.10	2610C	3240	160.5	157.8
	LT-95	18.99	6.88	100.50	97.40	1520	1520	69.0	58.0
114.3	LT-95	20.11	7.37	99.60	96.40	1620	1620	73.8	66.6
		23.09	8.56	97.20	94.00	1860	1860	85.8	88.0
		28.60	10.92	92.50	89.30	2330	2330	109.6	113.2
		32.17	12.70	88.90	85.70	2610C	2660	127.4	129.4
		35.75	14.22	85.90	82.70	2610C	2930	142.7	142.7
		39.47	16.00	82.30	79.10	2610C	3240	160.5	157.8
	CR13,15-95	18.99	6.88	100.50	97.40	1520	1520	69.0	58.0
		20.11	7.37	99.60	96.40	1620	1620	73.8	66.6
		23.09	8.56	97.20	94.00	1860	1860	85.8	88.0
		28.60	10.92	92.50	89.30	2330	2330	109.6	113.2
		32.17	12.70	88.90	85.70	2610C	2660	127.4	129.4
		35.75	14.22	85.90	82.70	2610C	2930	142.7	142.7
		39.47	16.00	82.30	79.10	2610C	3240	160.5	157.8
	P-110	18.99	6.88	100.50	97.40	1760	1760	79.9	63.5
		20.11	7.37	99.60	96.40	1880	1880	85.6	73.7
		23.09	8.56	97.20	94.00	2160	2160	99.4	98.9
		28.60	10.92	92.50	89.30	2690	2690	126.8	131.1
		32.17	12.70	88.90	85.70	3020C	3080	147.5	149.8
		35.75	14.22	85.90	82.70	3020C	3390	165.2	165.3
		39.47	16.00	82.30	79.10	3020C	3750	185.8	182.6
	LT-110	18.99	6.88	100.50	97.40	1760	1760	79.9	63.5
		20.11	7.37	99.60	96.40	1880	1880	85.6	73.7
		23.09	8.56	97.20	94.00	2160	2160	99.4	98.9
	LT-110	28.60	10.92	92.50	89.30	2690	2690	126.8	131.1
		32.17	12.70	88.90	85.70	3020C	3080	147.5	149.8
		35.75	14.22	85.90	82.70	3020C	3390	165.2	165.3
		39.47	16.00	82.30	79.10	3020C	3750	185.8	182.6
	NIC25,32,42-110	18.99	6.88	100.50	97.40	1760	1760	79.9	63.5
		20.11	7.37	99.60	96.40	1880	1880	85.6	73.7
		23.09	8.56	97.20	94.00	2160	2160	99.4	98.9
		28.60	10.92	92.50	89.30	2690	2690	126.8	131.1
		32.17	12.70	88.90	85.70	3020C	3080	147.5	149.8
		35.75	14.22	85.90	82.70	3020C	3390	165.2	165.3
		39.47	16.00	82.30	79.10	3020C	3750	185.8	182.6
114.3	CR22-110	18.99	6.88	100.50	97.40	1760	1760	79.9	63.5
		20.11	7.37	99.60	96.40	1880	1880	85.6	73.7
		23.09	8.56	97.20	94.00	2160	2160	99.4	98.9
		28.60	10.92	92.50	89.30	2690	2690	126.8	131.1
		32.17	12.70	88.90	85.70	3020C	3080	147.5	149.8
		35.75	14.22	85.90	82.70	3020C	3390	165.2	165.3
		39.47	16.00	82.30	79.10	3020C	3750	185.8	182.6
	NK-125	18.99	6.88	100.50	97.40	2000	2000	90.8	68.2
		20.11	7.37	99.60	96.40	2130	2130	97.2	80.0
		23.09	8.56	97.20	94.00	2450	2450	112.9	109.1
		28.60	10.92	92.50	89.30	3060	3060	144.1	149.0
		32.17	12.70	88.90	85.70	3430C	3500	167.6	170.2
	NK-125	35.75	14.22	85.90	82.70	3430C	3860	187.7	187.8
		39.47	16.00	82.30	79.10	3430C	4260	211.2	207.5
		18.99	6.88	100.50	97.40	2000	2000	90.8	68.2
		20.11	7.37	99.60	96.40	2130	2130	97.2	80.0

日本钢管(NKK)3SB扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 K		抗内压 MPa	抗挤强度 MPa
						接头	管体		
114.3	LT-125	23.09	8.56	97.20	94.00	2450	2450	112.9	109.1
		28.60	10.92	92.50	89.30	3060	3060	144.1	149.0
		32.17	12.70	88.90	85.70	3430C	3500	167.6	170.2
		35.75	14.22	85.90	82.70	3430C	3860	187.7	187.8
		39.47	16.00	82.30	79.10	3430C	4260	211.2	207.5
	NIC25,32,42,42M,52-125	18.99	6.88	100.50	97.40	2000	2000	90.8	68.2
		20.11	7.37	99.60	96.40	2130	2130	97.2	80.0
		23.09	8.56	97.20	94.00	2450	2450	112.9	109.1
		28.60	10.92	92.50	89.30	3060	3060	144.1	149.0
		32.17	12.70	88.90	85.70	3430C	3500	167.6	170.2
		35.75	14.22	85.90	82.70	3430C	3860	187.7	187.8
		39.47	16.00	82.30	79.10	3430C	4260	211.2	207.5
	CR22-125	18.99	6.88	100.50	97.40	2000	2000	90.8	68.2
		20.11	7.37	99.60	96.40	2130	2130	97.2	80.0
		23.09	8.56	97.20	94.00	2450	2450	112.9	109.1
		28.60	10.92	92.50	89.30	3060	3060	144.1	149.0
		32.17	12.70	88.90	85.70	3430C	3500	167.6	170.2
		35.75	14.22	85.90	82.70	3430C	3860	187.7	187.8
		39.47	16.00	82.30	79.10	3430C	4260	211.2	207.5
114.3	NIC42M-135	18.99	6.88	100.50	97.40	2160	2160	98.1	70.9
		20.11	7.37	99.60	96.40	2310	2310	105.0	83.8
		23.09	8.56	97.20	94.00	2650	2650	122.0	115.6
		28.60	10.92	92.50	89.30	3300	3300	155.7	160.9
		32.17	12.70	88.90	85.70	3710C	3780	181.0	183.9
		35.75	14.22	85.90	82.70	3710C	4170	202.7	202.9
		39.47	16.00	82.30	79.10	3710C	4600	228.1	224.2
	NIC52-140	18.99	6.88	100.50	97.40	2240	2240	101.7	72.1
		20.11	7.37	99.60	96.40	2390	2390	108.9	85.5
		23.09	8.56	97.20	94.00	2750	2750	126.5	118.7
		28.60	10.92	92.50	89.30	3430	3430	161.4	166.9
		32.17	12.70	88.90	85.70	3850C	3920	187.7	190.6
		35.75	14.22	85.90	82.70	3850C	4320	210.2	210.4
		39.47	16.00	82.30	79.10	3850C	4770	236.5	232.4
	CR22-140	18.99	6.88	100.50	97.40	2240	2240	101.7	72.1
		20.11	7.37	99.60	96.40	2390	2390	108.9	85.5
		23.09	8.56	97.20	94.00	2750	2750	126.5	118.7
		28.60	10.92	92.50	89.30	3430	3430	161.4	166.9
		32.17	12.70	88.90	85.70	3850C	3920	187.7	190.6
		35.75	14.22	85.90	82.70	3850C	4320	210.2	210.4
		39.47	16.00	82.30	79.10	3850C	4770	236.5	232.4

注：带"C"字样临界部分为接箍侧

世特佳(SIDERCA)FL-4S扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
60.3	J-55	6.99	4.83	50.67	48.29	129	—	—	—
		8.85	6.45	47.42	45.03	214	—	—	—
	K-55	6.99	4.83	50.67	48.29	129	—	—	—
		8.85	6.45	47.42	45.03	214	—	—	—
	L-80	6.99	4.83	50.67	48.29	187	—	—	—
		8.85	6.45	47.42	45.03	311	—	—	—
	N-80	6.99	4.83	50.67	48.29	187	—	—	—
		8.85	6.45	47.42	45.03	311	—	—	—
	P-110	6.99	4.83	50.67	48.29	258	—	—	—
		8.85	6.45	47.42	45.03	431	—	—	—
73.0	J-55	9.67	5.51	62.00	59.61	182	—	—	—
		11.76	7.01	59.00	56.62	289	—	—	—
	K-55	9.67	5.51	62.00	59.61	182	—	—	—
		11.76	7.01	59.00	56.62	289	—	—	—
	L-80	9.67	5.51	62.00	59.61	267	—	—	—
		11.76	7.01	59.00	56.62	418	—	—	—
	N-80	9.67	5.51	62.00	59.61	267	—	—	—
		11.76	7.01	59.00	56.62	418	—	—	—
	P-110	9.67	5.51	62.00	59.61	369	—	—	—
		11.76	7.01	59.00	56.62	574	—	—	—
88.9	J-55	11.46	5.49	77.93	74.75	227	—	—	—
		13.84	6.45	76.00	72.82	329	—	—	—
		15.33	7.34	74.22	71.04	356	—	—	—
88.9	J-55	19.27	9.52	69.85	66.68	565	—	—	—
	K-55	11.46	5.49	77.93	74.75	227	—	—	—
		13.84	6.45	76.00	72.82	329	—	—	—
		15.33	7.34	74.22	71.04	356	—	—	—
		19.27	9.52	69.85	66.68	565	—	—	—
	L-80	11.46	5.49	77.93	74.75	329	—	—	—
		13.84	6.45	76.00	72.82	476	—	—	—
		15.33	7.34	74.22	71.04	520	—	—	—
		19.27	9.52	69.85	66.68	823	—	—	—
	N-80	11.46	5.49	77.93	74.75	329	—	—	—
		13.84	6.45	76.00	72.82	476	—	—	—
		15.33	7.34	74.22	71.04	520	—	—	—
		19.27	9.52	69.85	66.68	823	—	—	—
	P-110	11.46	5.49	77.93	74.75	454	—	—	—
		13.84	6.45	76.00	72.82	658	—	—	—
		15.33	7.34	74.22	71.04	712	—	—	—
		19.27	9.52	69.85	66.68	1130	—	—	—
101.6	J-55	14.14	5.74	90.12	86.94	271	—	—	—
		16.37	6.65	88.29	85.12	396	—	—	—
		17.26	7.26	87.07	83.90	427	—	—	—
	K-55	14.14	5.74	90.12	86.94	271	—	—	—
		16.37	6.65	88.29	85.12	396	—	—	—
		17.26	7.26	87.07	83.90	427	—	—	—
101.6	L-80	14.14	5.74	90.12	86.94	396	—	—	—
		16.37	6.65	88.29	85.12	574	—	—	—
		17.26	7.26	87.07	83.90	623	—	—	—
	N-80	14.14	5.74	90.12	86.94	396	—	—	—
		16.37	6.65	88.29	85.12	574	—	—	—
		17.26	7.26	87.07	83.90	623	—	—	—
	P-110	14.14	5.74	90.12	86.94	543	—	—	—
		16.37	6.65	88.29	85.12	792	—	—	—
		17.26	7.26	87.07	83.90	854	—	—	—
	J-55	14.14	5.21	103.89	100.71	276	—	—	—
		15.63	5.69	102.92	99.75	307	—	—	—
		16.37	6.02	102.26	99.09	325	—	—	—
		17.26	6.35	101.60	98.43	423	—	—	—
		18.97	6.88	100.53	97.36	458	—	—	—
		20.09	7.37	99.57	96.39	494	—	—	—

世特佳(SIDERCA)FL-4S扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
114.3	K-55	14.14	5.21	103.89	100.71	276	—	—	—
		15.63	5.69	102.92	99.75	307	—	—	—
		16.37	6.02	102.26	99.09	325	—	—	—
		17.26	6.35	101.60	98.43	423	—	—	—
		18.97	6.88	100.53	97.36	458	—	—	—
		20.09	7.37	99.57	96.39	494	—	—	—
	L-80	14.14	5.21	103.89	100.71	405	—	—	—
		15.63	5.69	102.92	99.75	445	—	—	—
114.3	L-80	16.37	6.02	102.26	99.09	472	—	—	—
		17.26	6.35	101.60	98.43	614	—	—	—
		18.97	6.88	100.53	97.36	667	—	—	—
		20.09	7.37	99.57	96.39	716	—	—	—
	N-80	14.14	5.21	103.89	100.71	405	—	—	—
		15.63	5.69	102.92	99.75	445	—	—	—
		16.37	6.02	102.26	99.09	472	—	—	—
		17.26	6.35	101.60	98.43	614	—	—	—
		18.97	6.88	100.53	97.36	667	—	—	—
		20.09	7.37	99.57	96.39	716	—	—	—
	P-110	14.14	5.21	103.89	100.71	556	—	—	—
		15.63	5.69	102.92	99.75	614	—	—	—
		16.37	6.02	102.26	99.09	649	—	—	—
		17.26	6.35	101.60	98.43	845	—	—	—
		18.97	6.88	100.53	97.36	921	—	—	—
		20.09	7.37	99.57	96.39	983	—	—	—

世特佳(SIDERCA)SEC扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
					接头	管体		
73.0	J-55	9.50/9.60	5.51	62.00	440	440	50.1	53.0
		11.60/11.70	7.01	59.00	552	552	63.7	65.8
		12.80/12.90	7.82	57.38	609	609	51.5	72.5
	L-80	9.50/9.60	5.51	62.00	641	641	72.9	76.9
		11.60/11.70	7.01	59.00	801	801	92.7	95.8
		12.80/12.90	7.82	57.38	885	885	103.4	105.5
	N-80	9.50/9.60	5.51	62.00	641	641	72.9	76.9
		11.60/11.70	7.01	59.00	801	801	92.7	95.8
		12.80/12.90	7.82	57.38	885	885	103.4	105.5
	C-90	9.50/9.60	5.51	62.00	725	725	82.0	85.4
		11.60/11.70	7.01	59.00	899	899	104.2	107.7
		12.80/12.90	7.82	57.38	996	996	116.3	118.7
	T-95	9.50/9.60	5.51	62.00	765	765	86.5	89.2
		11.60/11.70	7.01	59.00	952	952	110.0	113.7
		12.80/12.90	7.82	57.38	1050	1050	122.4	125.3
	P-110	9.50/9.60	5.51	62.00	885	885	100.2	100.3
		11.60/11.70	7.01	59.00	1103	1103	127.4	131.6
		12.80/12.90	7.82	57.38	1214	1214	141.8	145.1
88.9	J-55	11.50	5.49	77.93	547	547	41.0	41.2
		13.70/13.80	6.45	76.00	632	632	48.2	51.0
		15.20	7.34	74.22	712	712	54.8	57.4
		18.90	9.53	69.85	899	899	55.9	72.5
88.9	L-80	11.50	5.49	77.93	792	792	59.6	54.3
		13.70/13.80	6.45	76.00	921	921	70.1	72.6
		15.20	7.34	74.22	1036	1036	79.7	83.6
		18.90	9.53	69.85	1312	1312	103.4	105.6
	N-80	11.50	5.49	77.93	792	792	59.6	54.3
		13.70/13.80	6.45	76.00	921	921	70.1	72.6
		15.20	7.34	74.22	1036	1036	79.7	83.6
		18.90	9.53	69.85	1312	1312	103.4	105.6
	C-90	11.50	5.49	77.93	890	890	67.0	58.9
		13.70/13.80	6.45	76.00	1036	1036	78.8	79.8
		15.20	7.34	74.22	1165	1165	89.6	94.0
		18.90	9.53	69.85	1472	1472	116.4	118.7
	T-95	11.50	5.49	77.93	943	943	70.7	61.0
		13.70/13.80	6.45	76.00	1094	1094	83.2	83.3
		15.20	7.34	74.22	1232	1232	94.7	99.2
		18.90	9.53	69.85	1557	1557	96.6	125.3
	P-110	11.50	5.49	77.93	1090	1090	81.9	67.1
		13.70/13.80	6.45	76.00	1268	1268	96.3	93.3
		15.20	7.34	74.22	1428	1428	109.6	114.9
		18.90	9.53	69.85	1802	1802	111.8	145.1
101.6	J-55	14.10	5.74	90.12	654	654	37.5	35.2
		16.40	6.65	88.06	752	752	43.4	45.4
	J-55	19.60	8.38	84.84	930	930	54.7	57.4
		24.00	10.54	80.52	1143	1143	68.9	70.5
	L-80	14.10	5.74	90.12	952	952	54.5	45.4
		16.40	6.65	88.06	1094	1094	63.2	60.7
		19.60	8.38	84.84	1352	1352	79.6	83.5
		24.00	10.54	80.52	1664	1664	100.2	102.6

世特佳(SIDERCA)SEC扣油管强度数据

外径	钢　级	单重	壁厚	内径	连接强度 KN		抗内压	抗挤强度
mm		kg/m	mm	mm	接头	管体	MPa	MPa
101.6	N-80	14.10	5.74	90.12	952	952	54.5	45.4
		16.40	6.65	88.06	1094	1094	63.2	60.7
		19.60	8.38	84.84	1352	1352	79.6	83.5
		24.00	10.54	80.52	1664	1664	100.2	102.6
	C-90	14.10	5.74	90.12	1072	1072	61.4	48.8
		16.40	6.65	88.06	1228	1228	71.2	66.2
		19.60	8.38	84.84	1521	1521	89.6	93.9
		24.00	10.54	80.52	1873	1873	112.7	115.4
	T-95	14.10	5.74	90.12	1134	1134	64.7	50.4
		16.40	6.65	88.06	1299	1299	75.1	68.8
		19.60	8.38	84.84	1606	1606	94.6	99.1
		24.00	10.54	80.52	1975	1975	118.9	121.8
	P-110	14.10	5.74	90.12	1312	1312	75.0	54.5
		16.40	6.65	88.06	1503	1503	86.9	76.3
		19.60	8.38	84.84	1864	1864	109.5	114.8
		24.00	10.54	80.52	2286	2286	132.5	141.1
114.3	J-55	18.80/18.90	6.88	100.53	881	881	40.0	39.4
		22.60	8.56	97.23	1076	1076	49.7	52.5
		25.30	9.65	95.00	1205	1205	56.1	58.6
		28.10	10.92	92.46	1343	1343	61.2	65.6
	L-80	18.80/18.90	6.88	100.53	1281	1281	58.1	51.7
		22.60	8.56	97.23	1570	1570	72.3	76.4
		25.30	9.65	95.00	1748	1748	81.5	85.3
		28.10	10.92	92.46	1957	1957	88.9	95.4
	N-80	18.80/18.90	6.88	100.53	1281	1281	58.1	51.7
		22.60	8.56	97.23	1570	1570	72.3	76.4
		25.30	9.65	95.00	1748	1748	81.5	85.3
		28.10	10.92	92.46	1957	1957	88.9	95.4
	C-90	18.80/18.90	6.88	100.53	1441	1441	65.4	56.0
		22.60	8.56	97.23	1766	1766	81.4	84.3
		25.30	9.65	95.00	1971	1971	91.7	96.0
		28.10	10.92	92.46	2202	2202	100.0	107.3
	T-95	18.80/18.90	6.88	100.53	1521	1521	69.0	58.0
		22.60	8.56	97.23	1864	1864	85.8	88.0
		25.30	9.65	95.00	2077	2077	96.8	101.3
		28.10	10.92	92.46	2322	2322	102.3	113.2
	P-110	18.80/18.90	6.88	100.53	1761	1761	79.9	63.5
		22.60	8.56	97.23	2157	2157	99.4	98.9
114.3	P-110	25.30	9.65	95.00	2406	2406	102.3	117.3
		28.10	10.92	92.46	2691	2691	102.3	131.1

世特佳(SIDERCA)SEC扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
					接头	管体		
73.0	J-55	9.50/9.60	5.51	62.00	440	440	50.1	53.0
		11.60/11.70	7.01	59.00	552	552	63.7	65.8
		12.80/12.90	7.82	57.38	609	609	51.5	72.5
	L-80	9.50/9.60	5.51	62.00	641	641	72.9	76.9
		11.60/11.70	7.01	59.00	801	801	92.7	95.8
		12.80/12.90	7.82	57.38	885	885	103.4	105.5
	N-80	9.50/9.60	5.51	62.00	641	641	72.9	76.9
		11.60/11.70	7.01	59.00	801	801	92.7	95.8
		12.80/12.90	7.82	57.38	885	885	103.4	105.5
	C-90	9.50/9.60	5.51	62.00	725	725	82.0	85.4
		11.60/11.70	7.01	59.00	899	899	104.2	107.7
		12.80/12.90	7.82	57.38	996	996	116.3	118.7
	T-95	9.50/9.60	5.51	62.00	765	765	86.5	89.2
		11.60/11.70	7.01	59.00	952	952	110.0	113.7
		12.80/12.90	7.82	57.38	1050	1050	122.4	125.3
	P-110	9.50/9.60	5.51	62.00	885	885	100.2	100.3
		11.60/11.70	7.01	59.00	1103	1103	127.4	131.6
		12.80/12.90	7.82	57.38	1214	1214	141.8	145.1
88.9	J-55	11.50	5.49	77.93	547	547	41.0	41.2
		13.70/13.80	6.45	76.00	632	632	48.2	51.0
		15.20	7.34	74.22	712	712	54.8	57.4
		18.90	9.53	69.85	899	899	55.9	72.5
88.9	L-80	11.50	5.49	77.93	792	792	59.6	54.3
		13.70/13.80	6.45	76.00	921	921	70.1	72.6
		15.20	7.34	74.22	1036	1036	79.7	83.6
		18.90	9.53	69.85	1312	1312	103.4	105.6
	N-80	11.50	5.49	77.93	792	792	59.6	54.3
		13.70/13.80	6.45	76.00	921	921	70.1	72.6
		15.20	7.34	74.22	1036	1036	79.7	83.6
		18.90	9.53	69.85	1312	1312	103.4	105.6
	C-90	11.50	5.49	77.93	890	890	67.0	58.9
		13.70/13.80	6.45	76.00	1036	1036	78.8	79.8
		15.20	7.34	74.22	1165	1165	89.6	94.0
		18.90	9.53	69.85	1472	1472	116.4	118.7
	T-95	11.50	5.49	77.93	943	943	70.7	61.0
		13.70/13.80	6.45	76.00	1094	1094	83.2	83.3
		15.20	7.34	74.22	1232	1232	94.7	99.2
		18.90	9.53	69.85	1557	1557	96.6	125.3
	P-110	11.50	5.49	77.93	1090	1090	81.9	67.1
		13.70/13.80	6.45	76.00	1268	1268	96.3	93.3
		15.20	7.34	74.22	1428	1428	109.6	114.9
		18.90	9.53	69.85	1802	1802	111.8	145.1
101.6	J-55	14.10	5.74	90.12	654	654	37.5	35.2
		16.40	6.65	88.06	752	752	43.4	45.4
	J-55	19.60	8.38	84.84	930	930	54.7	57.4
		24.00	10.54	80.52	1143	1143	68.9	70.5
	L-80	14.10	5.74	90.12	952	952	54.5	45.4
		16.40	6.65	88.06	1094	1094	63.2	60.7
		19.60	8.38	84.84	1352	1352	79.6	83.5
		24.00	10.54	80.52	1664	1664	100.2	102.6

世特佳(SIDERCA)SEC扣油管强度数据

外径	钢　级	单重	壁厚	内径	连接强度 KN		抗内压	抗挤强度
mm		kg/m	mm	mm	接头	管体	MPa	MPa
101.6	N-80	14.10	5.74	90.12	952	952	54.5	45.4
		16.40	6.65	88.06	1094	1094	63.2	60.7
		19.60	8.38	84.84	1352	1352	79.6	83.5
		24.00	10.54	80.52	1664	1664	100.2	102.6
	C-90	14.10	5.74	90.12	1072	1072	61.4	48.8
		16.40	6.65	88.06	1228	1228	71.2	66.2
		19.60	8.38	84.84	1521	1521	89.6	93.9
		24.00	10.54	80.52	1873	1873	112.7	115.4
	T-95	14.10	5.74	90.12	1134	1134	64.7	50.4
		16.40	6.65	88.06	1299	1299	75.1	68.8
		19.60	8.38	84.84	1606	1606	94.6	99.1
		24.00	10.54	80.52	1975	1975	118.9	121.8
	P-110	14.10	5.74	90.12	1312	1312	75.0	54.5
		16.40	6.65	88.06	1503	1503	86.9	76.3
		19.60	8.38	84.84	1864	1864	109.5	114.8
		24.00	10.54	80.52	2286	2286	132.5	141.1
114.3	J-55	18.80/18.90	6.88	100.53	881	881	40.0	39.4
		22.60	8.56	97.23	1076	1076	49.7	52.5
		25.30	9.65	95.00	1205	1205	56.1	58.6
		28.10	10.92	92.46	1343	1343	61.2	65.6
	L-80	18.80/18.90	6.88	100.53	1281	1281	58.1	51.7
		22.60	8.56	97.23	1570	1570	72.3	76.4
		25.30	9.65	95.00	1748	1748	81.5	85.3
		28.10	10.92	92.46	1957	1957	88.9	95.4
	N-80	18.80/18.90	6.88	100.53	1281	1281	58.1	51.7
		22.60	8.56	97.23	1570	1570	72.3	76.4
		25.30	9.65	95.00	1748	1748	81.5	85.3
		28.10	10.92	92.46	1957	1957	88.9	95.4
	C-90	18.80/18.90	6.88	100.53	1441	1441	65.4	56.0
		22.60	8.56	97.23	1766	1766	81.4	84.3
		25.30	9.65	95.00	1971	1971	91.7	96.0
		28.10	10.92	92.46	2202	2202	100.0	107.3
	T-95	18.80/18.90	6.88	100.53	1521	1521	69.0	58.0
		22.60	8.56	97.23	1864	1864	85.8	88.0
		25.30	9.65	95.00	2077	2077	96.8	101.3
		28.10	10.92	92.46	2322	2322	102.3	113.2
	P-110	18.80/18.90	6.88	100.53	1761	1761	79.9	63.5
		22.60	8.56	97.23	2157	2157	99.4	98.9
114.3	P-110	25.30	9.65	95.00	2406	2406	102.3	117.3
		28.10	10.92	92.46	2691	2691	102.3	131.1

新日铁(NT)特殊钢级油管强度数据

外径	钢级	单重 kg/m		壁厚	内径	通径	连接强度 K		管体抗拉	抗内压 MP		抗挤强度
mm		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
60.3	T-95	5.95	—	4.24	51.84	49.45	320	—	489	80.6	—	78.7
		6.85	6.99	4.83	50.67	48.29	378	552	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	543	716	716	122.6	121.6	125.1
		9.82	—	7.49	45.34	42.95	645	—	814	131.4	—	142.5
		10.94	11.09	8.53	43.26	40.87	738	907	907	131.4	121.6	159.1
	NT-80LS	5.95	—	4.24	51.84	49.45	267	—	414	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	463	463	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	601	601	103.2	102.4	105.4
		9.82	—	7.49	45.34	42.95	543	—	685	110.7	—	120.0
		10.94	11.09	8.53	43.26	40.87	623	765	765	110.7	102.4	134.0
	NT-95LS	5.95	—	4.24	51.84	49.45	320	—	489	80.6	—	78.7
		6.85	6.99	4.83	50.67	48.29	378	552	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	543	716	716	122.6	121.6	125.1
		9.82	—	7.49	45.34	42.95	645	—	814	131.4	—	142.5
		10.94	11.09	8.53	43.26	40.87	738	907	907	131.4	121.6	159.1
	NT-110LS	6.85	6.99	4.83	50.67	48.29	440	636	636	106.2	106.2	111.2
		8.63	8.85	6.45	47.42	45.03	632	827	827	142.0	140.9	144.9
		9.82	—	7.49	45.34	42.95	743	—	943	152.2	—	165.0
		10.94	11.09	8.53	43.26	40.87	854	1054	1054	152.2	140.9	184.2
	NT-80SS	5.95	—	4.24	51.84	49.45	267	—	414	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	463	463	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	601	601	103.2	102.4	105.4
		9.82	—	7.49	45.34	42.95	543	—	685	110.7	—	120.0
60.3	NT-80SS	10.94	11.09	8.53	43.26	40.87	623	765	765	110.7	102.4	134.0
	NT-85SS	5.95	—	4.24	51.84	49.45	285	—	436	72.1	—	72.2
		6.85	6.99	4.83	50.67	48.29	338	494	494	82.0	82.0	86.3
		8.63	8.85	6.45	47.42	45.03	485	641	641	109.7	108.8	112.0
		9.82	—	7.49	45.34	42.95	574	—	730	117.6	—	127.5
		10.94	11.09	8.53	43.26	40.87	663	814	814	117.6	108.8	142.4
	NT-90SS	5.95	—	4.24	51.84	49.45	302	—	463	76.3	—	75.4
		6.85	6.99	4.83	50.67	48.29	360	520	520	86.9	86.9	91.4
		8.63	8.85	6.45	47.42	45.03	516	676	676	116.1	115.2	118.5
		9.82	—	7.49	45.34	42.95	609	—	770	124.5	—	135.0
		10.94	11.09	8.53	43.26	40.87	698	863	863	124.5	115.2	150.7
	NT-95SS	5.95	—	4.24	51.84	49.45	320	—	489	80.6	—	78.7
		6.85	6.99	4.83	50.67	48.29	378	552	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	543	716	716	122.6	121.6	125.1
		9.82	—	7.49	45.34	42.95	645	—	814	131.4	—	142.5
		10.94	11.09	8.53	43.26	40.87	738	907	907	131.4	121.6	159.1
	NT-100SS	6.85	6.99	4.83	50.67	48.29	400	578	578	96.5	96.5	101.5
		8.63	8.85	6.45	47.42	45.03	574	752	752	129.1	128.0	131.7
		9.82	—	7.49	45.34	42.95	676	—	859	138.3	—	150.0
		10.94	11.09	8.53	43.26	40.87	778	956	956	138.3	128.0	167.5
	NT-105SS	6.85	6.99	4.83	50.67	48.29	418	609	609	101.4	101.4	106.6
		8.63	8.85	6.45	47.42	45.03	601	792	792	135.5	134.4	138.3
		9.82	—	7.49	45.34	42.95	712	—	899	145.3	—	157.5
60.3	NT-105SS	10.94	11.09	8.53	43.26	40.87	814	1005	1005	145.3	134.4	175.9
	NT-110SS	6.85	6.99	4.83	50.67	48.29	440	636	636	106.2	106.2	111.2
		8.63	8.85	6.45	47.42	45.03	632	827	827	142.0	140.9	144.9
		9.82	—	7.49	45.34	42.95	743	—	943	152.2	—	165.0
		10.94	11.09	8.53	43.26	40.87	854	1054	1054	152.2	140.9	184.2
	NT-95DS	5.95	—	4.24	51.84	49.45	320	—	489	80.6	—	78.7
		6.85	6.99	4.83	50.67	48.29	378	552	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	543	716	716	122.6	121.6	125.1
		9.82	—	7.49	45.34	42.95	645	—	814	131.4	—	142.5
		10.94	11.09	8.53	43.26	40.87	738	907	907	131.4	121.6	159.1
	NT-125DS	6.85	6.99	4.83	50.67	48.29	498	725	725	120.7	120.7	123.4
		8.63	8.85	6.45	47.42	45.03	716	943	943	161.3	160.0	164.6
		9.82	—	7.49	45.34	42.95	845	—	1072	172.9	—	187.5
		10.94	11.09	8.53	43.26	40.87	970	1197	1197	172.9	160.0	209.3
		6.85	6.99	4.83	50.67	48.29	560	814	814	135.1	135.1	135.0

新日铁(NT)特殊钢级油管强度数据

外径	钢级	单重 kg/m		壁厚	内径	通径	连接强度 K		管体抗拉	抗内压 MP		抗挤强度
mm		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
	NT-140DS	8.63	8.85	6.45	47.42	45.03	801	1054	1054	180.6	179.3	184.4
		9.82	—	7.49	45.34	42.95	947	—	1201	193.7	—	210.0
		10.94	11.09	8.53	43.26	40.87	1090	1339	1339	193.7	179.3	234.5
	NT-150DS	6.85	6.99	4.83	50.67	48.29	601	872	872	144.8	144.8	142.4
		8.63	8.85	6.45	47.42	45.03	859	1130	1130	193.5	192.0	197.5
		9.82	—	7.49	45.34	42.95	1014	—	1286	207.5	—	225.0
		10.94	11.09	8.53	43.26	40.87	1165	1437	1437	207.5	192.0	251.2
73.0	T-95	9.52	9.67	5.51	62.00	59.61	556	765	765	86.5	86.5	89.2
	T-95	11.61	11.76	7.01	59.00	56.62	743	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	841	1050	1050	122.8	122.4	125.3
		13.91	14.06	8.64	55.75	53.37	934	1143	1143	135.6	122.4	136.6
		15.63	—	9.96	53.11	50.72	1085	—	1290	136.4	—	154.2
		17.11	—	11.18	50.67	48.29	1214	—	1423	136.4	—	169.8
	NT-80LS	9.52	9.67	5.51	62.00	59.61	472	645	645	72.9	72.9	77.0
		11.61	11.76	7.01	59.00	56.62	627	801	801	92.7	92.7	95.8
		12.80	12.95	7.82	57.38	54.99	707	885	885	103.4	103.1	105.5
		13.91	14.06	8.64	55.75	53.37	787	965	965	114.2	103.1	115.0
		15.63	—	9.96	53.11	50.72	912	—	1090	114.9	—	129.9
		17.11	—	11.18	50.67	48.29	1023	—	1197	114.9	—	143.0
73.0	NT-95LS	9.52	9.67	5.51	62.00	59.61	556	765	765	86.5	86.5	89.2
		11.61	11.76	7.01	59.00	56.62	743	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	841	1050	1050	122.8	122.4	125.3
		13.91	14.06	8.64	55.75	53.37	934	1143	1143	135.6	122.4	136.6
		15.63	—	9.96	53.11	50.72	996	—	1290	136.4	—	154.2
		17.11	—	11.18	50.67	48.29	1214	—	1423	136.4	—	169.8
	NT-110LS	9.52	9.67	5.51	62.00	59.61	645	885	885	100.2	100.2	100.3
		11.61	11.76	7.01	59.00	56.62	863	1103	1103	127.4	127.4	131.6
		12.80	12.95	7.82	57.38	54.99	974	1214	1214	142.2	141.8	145.1
		13.91	14.06	8.64	55.75	53.37	1085	1326	1326	157.0	141.8	158.2
		15.63	—	9.96	53.11	50.72	1254	—	1495	158.0	—	178.6
		17.11	—	11.18	50.67	48.29	1406	—	1646	158.0	—	196.6
	NT-80SS	9.52	9.67	5.51	62.00	59.61	472	645	645	72.9	72.9	77.0
		11.61	11.76	7.01	59.00	56.62	627	801	801	92.7	92.7	95.8
		12.80	12.95	7.82	57.38	54.99	707	885	885	103.4	103.1	105.5
		13.91	14.06	8.64	55.75	53.37	787	965	965	114.2	103.1	115.0
		15.63	—	9.96	53.11	50.72	912	—	1090	114.9	—	129.9
		17.11	—	11.18	50.67	48.29	1023	—	1197	114.9	—	143.0
	NT-85SS	9.52	9.67	5.51	62.00	59.61	498	685	685	77.4	77.4	81.6
		11.61	11.76	7.01	59.00	56.62	667	854	854	98.5	98.5	101.7
		12.80	12.95	7.82	57.38	54.99	752	939	939	109.9	109.5	112.1
		13.91	14.06	8.64	55.75	53.37	836	1023	1023	121.3	109.5	122.2
		15.63	—	9.96	53.11	50.72	970	—	1157	122.1	—	138.0
73.0		17.11	—	11.18	50.67	48.29	1085	—	1272	122.1	—	152.0
	NT-90SS	9.52	9.67	5.51	62.00	59.61	529	725	725	82.0	82.0	85.4
		11.61	11.76	7.01	59.00	56.62	707	903	903	104.2	104.2	107.7
		12.80	12.95	7.82	57.38	54.99	796	996	996	116.3	116.0	118.7
		13.91	14.06	8.64	55.75	53.37	885	1085	1085	128.4	116.0	129.4
		15.63	—	9.96	53.11	50.72	1028	—	1223	129.3	—	146.2
		17.11	—	11.18	50.67	48.29	1152	—	1348	129.3	—	160.9
	NT-95SS	9.52	9.67	5.51	62.00	59.61	556	765	765	86.5	86.5	89.2
		11.61	11.76	7.01	59.00	56.62	743	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	841	1050	1050	122.8	122.4	125.3
		13.91	14.06	8.64	55.75	53.37	934	1143	1143	135.6	122.4	136.6
		15.63	—	9.96	53.11	50.72	1085	—	1290	136.4	—	154.2
	NT-95SS	17.11	—	11.18	50.67	48.29	1214	—	1423	136.4	—	169.8
	NT-100SS	9.52	9.67	5.51	62.00	59.61	587	805	805	91.1	91.1	93.0
		11.61	11.76	7.01	59.00	56.62	783	1001	1001	115.8	115.8	119.7
		12.80	12.95	7.82	57.38	54.99	885	1103	1103	129.3	128.9	131.9
		13.91	14.06	8.64	55.75	53.37	988	1205	1205	142.7	128.9	143.8
		15.63	—	9.96	53.11	50.72	1143	—	1361	143.6	—	162.4
		17.11	—	11.18	50.67	48.29	1277	—	1499	143.6	—	178.8

新日铁(NT)特殊钢级油管强度数据

外径 mm	钢　级	单重 kg/m 不加厚	单重 kg/m 加厚	壁厚 mm	内径 mm	通径 mm	连接强度 K 不加厚	连接强度 K 加厚	管体抗拉强度 KN	抗内压 MP 不加厚	抗内压 MP 加厚	抗挤强度 MPa
73.0	NT-105SS	9.52	9.67	5.51	62.00	59.61	618	845	845	95.6	95.6	96.7
		11.61	11.76	7.01	59.00	56.62	823	1054	1054	121.6	121.6	125.6
		12.80	12.95	7.82	57.38	54.99	930	1161	1161	135.8	135.3	138.5
		13.91	14.06	8.64	55.75	53.37	1036	1263	1263	149.8	135.3	151.0
		15.63	—	9.96	53.11	50.72	1197	—	1428	150.9	—	170.5
		17.11	—	11.18	50.67	48.29	1343	—	1570	150.9	—	187.7
	NT-110SS	9.52	9.67	5.51	62.00	59.61	645	885	885	100.2	100.2	100.3
		11.61	11.76	7.01	59.00	56.62	863	1103	1103	127.4	127.4	131.6
		12.80	12.95	7.82	57.38	54.99	974	1214	1214	142.2	141.8	145.1
		13.91	14.06	8.64	55.75	53.37	1085	1326	1326	157.0	141.8	158.2
		15.63	—	9.96	53.11	50.72	1254	—	1495	158.0	—	178.6
		17.11	—	11.18	50.67	48.29	1406	—	1646	158.0	—	196.6
	NT-95DS	9.52	9.67	5.51	62.00	59.61	556	765	765	86.5	86.5	89.2
		11.61	11.76	7.01	59.00	56.62	743	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	841	1050	1050	122.8	122.4	125.3
		13.91	14.06	8.64	55.75	53.37	934	1143	1143	135.6	122.4	136.6
73.0	NT-95DS	15.63	—	9.96	53.11	50.72	1085	—	1290	136.4	—	154.2
		17.11	—	11.18	50.67	48.29	1214	—	1423	136.4	—	169.8
	NT-125DS	9.52	9.67	5.51	62.00	59.61	734	1010	1010	113.8	113.8	110.8
		11.61	11.76	7.01	59.00	56.62	979	1254	1254	144.8	144.8	149.6
		12.80	12.95	7.82	57.38	54.99	1108	1379	1379	161.5	161.1	164.9
		13.91	14.06	8.64	55.75	53.37	1232	1503	1503	178.4	161.1	179.7
		15.63	—	9.96	53.11	50.72	1428	—	1699	179.5	—	203.0
		17.11	—	11.18	50.67	48.29	1597	—	1873	179.5	—	223.5
	NT-140DS	9.52	9.67	5.51	62.00	59.61	823	1130	1130	127.5	127.5	120.6
		11.61	11.76	7.01	59.00	56.62	1099	1406	1406	162.2	162.2	167.5
		12.80	12.95	7.82	57.38	54.99	1241	1548	1548	181.0	176.0	184.6
		13.91	14.06	8.64	55.75	53.37	1379	1686	1686	199.7	176.0	201.3
		15.63	—	9.96	53.11	50.72	1597	—	1904	201.1	—	227.3
		17.11	—	11.18	50.67	48.29	1788	—	2095	201.1	—	250.2
	NT-150DS	9.52	9.67	5.51	62.00	59.61	881	1210	1210	136.6	136.6	126.9
		11.61	11.76	7.01	59.00	56.62	1174	1503	1503	173.7	173.7	179.5
		12.80	12.95	7.82	57.38	54.99	1330	1659	1659	193.9	176.0	197.9
		13.91	14.06	8.64	55.75	53.37	1477	1806	1806	214.0	176.0	215.7
		15.63	—	9.96	53.11	50.72	1713	—	2042	203.3	—	243.4
		17.11	—	11.18	50.67	48.29	1917	—	2246	203.3	—	268.1
88.9	T-95	11.46	—	5.49	77.93	74.75	689	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	841	1094	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	979	—	1232	94.7	—	99.2
88.9	T-95	18.90	19.27	9.52	69.85	66.68	1303	1557	1557	122.8	122.8	125.3
		21.28	—	10.92	67.06	63.88	1499	—	1753	134.0	—	141.2
		23.07	—	12.09	64.72	61.54	1655	—	1913	134.0	—	154.0
		25.30	—	13.46	61.98	58.80	1837	—	2091	134.0	—	168.3
	NT-80LS	11.46	—	5.49	77.93	74.75	578	—	792	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	707	921	921	70.1	70.1	72.7
		15.18	—	7.34	74.22	71.04	823	—	1036	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1094	1312	1312	103.4	103.4	105.6
		20.39	—	10.49	67.92	64.74	—	—	1423	112.9	—	114.8
		21.28	—	10.92	67.06	63.88	1263	—	1477	112.9	—	118.9
		21.88	—	11.43	66.04	62.86	—	—	1535	112.9	—	123.6
		23.07	—	12.09	64.72	61.54	1397	—	1610	112.9	—	129.6
		24.85	—	12.95	62.99	59.82	—	—	1704	112.9	—	137.3
		25.30	—	13.46	61.98	58.80	1544	—	1761	112.9	—	141.8
	NT-95LS	11.46	—	5.49	77.93	74.75	689	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	841	1094	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	979	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1303	1557	1557	122.8	122.8	125.3
		20.39	—	10.49	67.92	64.74	—	—	1695	134.0	—	136.3
		21.28	—	10.92	67.06	63.88	1499	—	1753	134.0	—	141.2
		21.88	—	11.43	66.04	62.86	—	—	1824	134.0	—	146.8
		23.07	—	12.09	64.72	61.54	1655	—	1913	134.0	—	154.0

新日铁(NT)特殊钢级油管强度数据

外径 mm	钢级	单重 kg/m 不加厚	单重 kg/m 加厚	壁厚 mm	内径 mm	通径 mm	连接强度 K 不加厚	连接强度 K 加厚	管体抗拉强度 KN	抗内压 MP 不加厚	抗内压 MP 加厚	抗挤强度 MPa
		24.85	—	12.95	62.99	59.82	—	—	2024	134.0	—	163.1
	NT-95LS	25.30	—	13.46	61.98	58.80	1837	—	2091	134.0	—	168.3
	NT-110LS	11.46	—	5.49	77.93	74.75	796	—	1090	81.9	—	67.1
		13.69	13.84	6.45	76.00	72.82	974	1268	1268	96.3	96.3	93.3
		15.18	—	7.34	74.22	71.04	1134	—	1428	109.6	—	114.9
		18.90	19.27	9.52	69.85	66.68	1508	1802	1802	142.2	142.2	145.1
		20.39	—	10.49	67.92	64.74	—	—	1962	155.2	—	157.9
		21.28	—	10.92	67.06	63.88	1735	—	2028	155.2	—	163.5
		21.88	—	11.43	66.04	62.86	—	—	2108	155.2	—	170.0
		23.07	—	12.09	64.72	61.54	1917	—	2211	155.2	—	178.2
		24.85	—	12.95	62.99	59.82	—	—	2344	155.2	—	188.8
		25.30	—	13.46	61.98	58.80	2126	—	2420	155.2	—	194.9
88.9	NT-80SS	11.46	—	5.49	77.93	74.75	578	—	792	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	707	921	921	70.1	70.1	72.7
		15.18	—	7.34	74.22	71.04	823	—	1036	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1094	1312	1312	103.4	103.4	105.6
		20.39	—	10.49	67.92	64.74	—	—	1423	112.9	—	114.8
		21.28	—	10.92	67.06	63.88	1263	—	1477	112.9	—	118.9
		21.88	—	11.43	66.04	62.86	—	—	1535	112.9	—	123.6
		23.07	—	12.09	64.72	61.54	1397	—	1610	112.9	—	129.6
		24.85	—	12.95	62.99	59.82	—	—	1704	112.9	—	137.3
		25.30	—	13.46	61.98	58.80	1544	—	1761	112.9	—	141.8
	NT-85SS	11.46	—	5.49	77.93	100.15	614	—	841	63.3	—	56.6
		13.69	13.84	6.45	76.00	72.82	752	979	979	74.5	74.5	76.3
	NT-85SS	15.18	—	7.34	74.22	71.04	876	—	1103	84.7	—	88.8
		18.90	19.27	9.52	69.85	66.68	1165	1392	1392	109.9	109.9	112.1
		20.39	—	10.49	67.92	64.74	—	—	1512	120.0	—	122.0
		21.28	—	10.92	67.06	63.88	1339	—	1570	120.0	—	126.3
		21.88	—	11.43	66.04	62.86	—	—	1632	120.0	—	131.3
		23.07	—	12.09	64.72	61.54	1481	—	1708	120.0	—	137.8
		24.85	—	12.95	62.99	59.82	—	—	1810	120.0	—	145.9
		25.30	—	13.46	61.98	58.80	1641	—	1868	120.0	—	150.6
88.9	NT-90SS	11.46	—	5.49	77.93	74.75	649	—	894	67.0	—	58.9
		13.69	13.84	6.45	76.00	72.82	796	1036	1036	78.8	78.8	79.8
		15.18	—	7.34	74.22	71.04	925	—	1165	89.7	—	94.0
		18.90	19.27	9.52	69.85	66.68	1232	1472	1472	116.4	116.4	118.7
		20.39	—	10.49	67.92	64.74	—	—	1601	127.0	—	129.1
		21.28	—	10.92	67.06	63.88	1419	—	1659	127.0	—	133.8
		21.88	—	11.43	66.04	62.86	—	—	1726	127.0	—	139.1
		23.07	—	12.09	64.72	61.54	1570	—	1810	127.0	—	145.8
		24.85	—	12.95	62.99	59.82	—	—	1917	127.0	—	154.5
		25.30	—	13.46	61.98	58.80	1739	—	1979	127.0	—	159.5
	NT-95SS	11.46	—	5.49	77.93	74.75	689	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	841	1094	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	979	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1303	1557	1557	122.8	122.8	125.3
		20.39	—	10.49	67.92	64.74	—	—	1695	134.0	—	136.3
	NT-95SS	21.28	—	10.92	67.06	63.88	1499	—	1753	134.0	—	141.2
		21.88	—	11.43	66.04	62.86	—	—	1824	134.0	—	146.8
		23.07	—	12.09	64.72	61.54	1655	—	1913	134.0	—	154.0
		24.85	—	12.95	62.99	59.82	—	—	2024	134.0	—	163.1
		25.30	—	13.46	61.98	58.80	1837	—	2091	134.0	—	168.3
	NT-100SS	11.46	—	5.49	77.93	74.75	725	—	992	74.5	—	63.2
		13.69	13.84	6.45	76.00	72.82	885	1152	1152	87.6	87.6	86.7
		15.18	—	7.34	74.22	71.04	1028	—	1299	99.6	—	104.5
		18.90	19.27	9.52	69.85	66.68	1370	1637	1637	129.3	129.3	131.9
		20.39	—	10.49	67.92	64.74	—	—	1784	141.1	—	143.5
		21.28	—	10.92	67.06	63.88	1579	—	1846	141.1	—	148.6
88.9		21.88	—	11.43	66.04	62.86	—	—	1917	141.1	—	154.5
		23.07	—	12.09	64.72	61.54	1744	—	2011	141.1	—	162.0
		24.85	—	12.95	62.99	59.82	—	—	2131	141.1	—	171.7

新日铁(NT)特殊钢级油管强度数据

外径 mm	钢　级	单重 kg/m 不加厚	单重 kg/m 加厚	壁厚 mm	内径 mm	通径 mm	连接强度 K 不加厚	连接强度 K 加厚	管体抗拉强度 KN	抗内压 MP 不加厚	抗内压 MP 加厚	抗挤强度 MPa
		25.30	—	13.46	61.98	58.80	1931	—	2202	141.1	—	177.2
		11.46	—	5.49	77.93	74.75	761	—	1041	78.2	—	65.2
		13.69	13.84	6.45	76.00	72.82	930	1152	1210	92.0	92.0	90.0
		15.18	—	7.34	74.22	71.04	1081	—	1361	104.6	—	109.7
	NT-105SS	18.90	19.27	9.52	69.85	66.68	1437	1721	1721	135.8	135.8	138.5
		20.39	—	10.49	67.92	64.74	—	—	1873	148.2	—	150.7
		21.28	—	10.92	67.06	63.88	1655	—	1935	148.2	—	156.0
		21.88	—	11.43	66.04	62.86	—	—	2015	148.2	—	162.2
		23.07	—	12.09	64.72	61.54	1833	—	2113	148.2	—	170.2
	NT-105SS	24.85	—	12.95	62.99	59.82	—	—	2237	148.2	—	180.2
		25.30	—	13.46	61.98	58.80	2028	—	2309	148.2	—	186.0
		11.46	—	5.49	77.93	74.75	796	—	1090	81.9	—	67.1
		13.69	13.84	6.45	76.00	72.82	974	1268	1268	96.3	96.3	93.3
		15.18	—	7.34	74.22	71.04	1134	—	1428	109.6	—	114.9
		18.90	19.27	9.52	69.85	57.53	1508	1802	1802	142.2	142.2	145.1
	NT-110SS	20.39	—	10.49	67.92	64.74	—	—	1962	155.2	—	157.9
		21.28	—	10.92	67.06	63.88	1735	—	2028	155.2	—	163.5
		21.88	—	11.43	66.04	62.86	—	—	2108	155.2	—	170.0
		23.07	—	12.09	64.72	61.54	1917	—	2211	155.2	—	178.2
		24.85	—	12.95	62.99	59.82	—	—	2344	155.2	—	188.8
88.9		25.30	—	13.46	61.98	58.80	2126	—	2420	155.2	—	194.9
		11.46	—	5.49	77.93	74.75	689	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	841	1094	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	979	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1303	1557	1557	122.8	122.8	125.3
	NT-95DS	20.39	—	10.49	67.92	64.74	—	—	1695	134.0	—	136.3
		21.28	—	10.92	67.06	63.88	1499	—	1753	134.0	—	141.2
		21.88	—	11.43	66.04	62.86	—	—	1824	134.0	—	146.8
		23.07	—	12.09	64.72	61.54	1655	—	1913	134.0	—	154.0
		24.85	—	12.95	62.99	59.82	—	—	2024	134.0	—	163.1
		25.30	—	13.46	61.98	58.80	1837	—	2091	134.0	—	168.3
	NT-125DS	11.46	—	5.49	77.93	74.75	903	—	1241	93.1	—	72.4
		13.69	13.84	6.45	76.00	72.82	1108	1441	1441	109.5	109.5	102.7
		15.18	—	7.34	74.22	71.04	1286	—	1619	124.5	—	130.6
		18.90	19.27	9.52	69.85	66.68	1713	2046	2046	161.6	148.7	164.9
		20.39	—	10.49	67.92	64.74	—	—	2229	162.4	—	179.4
	NT-125DS	21.28	—	10.92	67.06	63.88	1971	—	2304	162.4	—	185.7
		21.88	—	11.43	66.04	62.86	—	—	2398	162.4	—	193.1
		23.07	—	12.09	64.72	61.54	2180	—	2513	162.4	—	202.6
		24.85	—	12.95	62.99	59.82	—	—	2664	162.4	—	214.6
		25.30	—	13.46	61.98	58.80	2415	—	2749	162.4	—	221.5
		11.46	—	5.49	77.93	74.75	1014	—	1388	104.2	—	76.8
		13.69	13.84	6.45	76.00	72.82	1237	1615	1615	122.6	122.6	111.4
88.9		15.18	—	7.34	74.22	71.04	1441	—	1815	139.5	—	143.2
		18.90	19.27	9.52	69.85	66.68	1917	2291	2291	162.4	148.7	184.7
	NT-140DS	20.39	—	10.49	67.92	64.74	—	—	2495	162.4	—	200.9
		21.28	—	10.92	67.06	63.88	2206	—	2584	162.4	—	208.0
		21.88	—	11.43	66.04	62.86	—	—	2687	162.4	—	216.3
		23.07	—	12.09	64.72	61.54	2442	—	2816	162.4	—	226.8
		24.85	—	12.95	62.99	59.82	—	—	2985	162.4	—	240.3
		25.30	—	13.46	61.98	58.80	2705	—	3078	162.4	—	248.1
		11.46	—	5.49	77.93	74.75	1085	—	1486	111.7	—	79.4
	NT-150DS	13.69	13.84	6.45	76.00	72.82	1326	1730	1730	131.3	131.3	116.9
		15.18	—	7.34	74.22	71.04	1544	—	1944	149.5	—	151.3
		18.90	19.27	9.52	69.85	66.68	2055	2455	2455	162.4	148.7	197.9
		20.39	—	10.49	67.92	64.74	—	—	2673	162.4	—	215.3
		21.28	—	10.92	67.06	63.88	2366	—	2767	162.4	—	222.9
88.9	NT-150DS	21.88	—	11.43	66.04	62.86	—	—	2878	162.4	—	231.7
		23.07	—	12.09	64.72	61.54	2616	—	3016	162.4	—	243.0
		24.85	—	12.95	62.99	59.82	—	—	3198	162.4	—	257.5
		25.30	—	13.46	61.98	58.80	2900	—	3301	162.4	—	265.8

新日铁(NT)特殊钢级油管强度数据

外径	钢级	单重 kg/m		壁厚	内径	通径	连接强度 K		管体抗拉	抗内压 MP		抗挤强度
mm		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
101.6	T-95	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		16.22	16.37	6.65	88.29	85.12	—	1299	1299	—	75.1	68.8
		19.64	—	8.38	84.84	81.66	1237	—	1606	94.6	—	99.1
		23.96	—	10.54	80.52	77.34	1601	—	1975	118.9	—	121.8
		28.13	—	12.70	76.20	73.02	1953	—	2322	120.9	—	143.3
		33.04	—	15.49	70.61	67.44	2375	—	2745	120.9	—	169.3
	NT-80LS	14.14	—	5.74	90.12	86.94	641	—	952	54.5	—	45.4
		16.22	16.37	6.65	88.29	85.12	—	1094	1094	—	63.2	60.7
		19.64	—	8.38	84.84	81.66	1041	—	1352	79.6	—	83.5
		22.02	—	9.65	82.30	79.12	—	—	1539	91.7	—	94.9
		23.96	—	10.54	80.52	77.34	1352	—	1664	100.1	—	102.6
		24.55	—	10.92	79.76	76.58	—	—	1717	101.8	—	105.8
		28.13	—	12.70	76.20	73.02	1641	—	1957	101.8	—	120.7
		33.04	—	15.49	70.61	67.44	1997	—	2313	101.8	—	142.6
	NT-95LS	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		16.22	16.37	6.65	88.29	85.12	—	1299	1299	—	75.1	68.8
		19.64	—	8.38	84.84	81.66	1237	—	1606	94.6	—	99.1
101.6	NT-95LS	22.02	—	9.65	82.30	79.12	—	—	1828	108.9	—	112.7
		23.96	—	10.54	80.52	77.34	1601	—	1975	118.9	—	121.8
		24.55	—	10.92	79.76	76.58	—	—	2037	120.9	—	125.7
		28.13	—	12.70	76.20	73.02	1953	—	2322	120.9	—	143.3
		33.04	—	15.49	70.61	67.44	2375	—	2745	120.9	—	169.3
	NT-110LS	14.14	—	5.74	90.12	86.94	881	—	1312	75.0	—	54.5
		16.22	16.37	6.65	88.29	85.12	—	1503	1503	—	86.9	76.3
		19.64	—	8.38	84.84	81.66	1432	—	1864	109.5	—	114.8
		22.02	—	9.65	82.30	79.12	—	—	2113	126.1	—	130.4
		23.96	—	10.54	80.52	77.34	1855	—	2286	132.5	—	141.1
		24.55	—	10.92	79.76	76.58	—	—	2358	132.5	—	145.5
		28.13	—	12.70	76.20	73.02	2260	—	2691	132.5	—	165.9
		33.04	—	15.49	70.61	67.44	2749	—	3180	132.5	—	196.0
	NT-80SS	14.14	—	5.74	90.12	86.94	641	—	952	54.5	—	45.4
		16.22	16.37	6.65	88.29	85.12	—	1094	1094	—	63.2	60.7
		19.64	—	8.38	84.84	81.66	1041	—	1352	79.6	—	83.5
		22.02	—	9.65	82.30	79.12	—	—	1539	91.7	—	94.9
		23.96	—	10.54	80.52	77.34	1352	—	1664	100.1	—	102.6
		24.55	—	10.92	79.76	76.58	—	—	1717	101.8	—	105.8
		28.13	—	12.70	76.20	73.02	1641	—	1957	101.8	—	120.7
		33.04	—	15.49	70.61	67.44	1997	—	2313	101.8	—	142.6
	NT-85SS	14.14	—	5.74	90.12	86.94	681	—	1014	57.9	—	47.2
		16.22	16.37	6.65	88.29	85.12	—	1165	1165	—	67.2	63.5
101.6	NT-85SS	19.64	—	8.38	84.84	81.66	1108	—	1437	84.6	—	88.7
		22.02	—	9.65	82.30	79.12	—	—	1632	97.4	—	100.8
		23.96	—	10.54	80.52	77.34	1437	—	1766	106.4	—	109.0
		24.55	—	10.92	79.76	76.58	—	—	1824	108.2	—	112.5
		28.13	—	12.70	76.20	73.02	1748	—	2077	108.2	—	128.2
		33.04	—	15.49	70.61	67.44	2122	—	2455	108.2	—	151.5
	NT-90SS	14.14	—	5.74	90.12	86.94	721	—	1072	61.4	—	48.8
		16.22	16.37	6.65	88.29	85.12	—	1232	1232	—	71.2	66.1
		19.64	—	8.38	84.84	81.66	1170	—	1521	89.6	—	93.9
		22.02	—	9.65	82.30	79.12	—	—	1730	103.1	—	106.7
		23.96	—	10.54	80.52	77.34	1521	—	1873	112.7	—	115.4
		24.55	—	10.92	79.76	76.58	—	—	1931	114.5	—	119.1
		28.13	—	12.70	76.20	73.02	1850	—	2202	114.5	—	135.8
		33.04	—	15.49	70.61	67.44	2251	—	2602	114.5	—	160.4
	NT-95SS	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		16.22	16.37	6.65	88.29	85.12	—	1299	1299	—	75.1	68.8
		19.64	—	8.38	84.84	81.66	1237	—	1606	94.6	—	99.1
		22.02	—	9.65	82.30	79.12	—	—	1828	108.9	—	112.7
		23.96	—	10.54	80.52	77.34	1601	—	1975	118.9	—	121.8
		24.55	—	10.92	79.76	76.58	—	—	2037	120.9	—	125.7
		28.13	—	12.70	76.20	73.02	1953	—	2322	120.9	—	143.3

新日铁(NT)特殊钢级油管强度数据

外径 mm	钢级	单重 kg/m 不加厚	单重 kg/m 加厚	壁厚 mm	内径 mm	通径 mm	连接强度 K 不加厚	连接强度 K 加厚	管体抗拉强度 KN	抗内压 MP 不加厚	抗内压 MP 加厚	抗挤强度 MPa
		33.04	—	15.49	70.61	67.44	2375	—	2745	120.9	—	169.3
	NT-100SS	14.14	—	5.74	90.12	86.94	801	—	1192	68.2	—	51.8
		16.22	16.37	6.65	88.29	85.12	—	1370	1370	—	79.0	71.4
		19.64	—	8.38	84.84	81.66	1303	—	1690	99.6	—	104.4
		22.02	—	9.65	82.30	79.12	—	—	1922	114.6	—	118.5
	NT-100SS	23.96	—	10.54	80.52	77.34	1686	—	2077	125.2	—	128.2
		24.55	—	10.92	79.76	76.58	—	—	2144	127.3	—	132.3
		28.13	—	12.70	76.20	73.02	2055	—	2447	127.3	—	150.8
		33.04	—	15.49	70.61	67.44	2500	—	2891	127.3	—	178.2
		14.14	—	5.74	90.12	86.94	841	—	1250	71.6	—	53.2
		16.22	16.37	6.65	88.29	85.12	—	1437	1437	—	83.0	73.8
		19.64	—	8.38	84.84	81.66	1366	—	1775	104.5	—	109.6
	NT-105SS	22.02	—	9.65	82.30	79.12	—	—	2019	120.4	—	124.5
101.6		23.96	—	10.54	80.52	77.34	1770	—	2184	131.4	—	134.7
		24.55	—	10.92	79.76	76.58	—	—	2251	132.5	—	138.9
		28.13	—	12.70	76.20	73.02	2157	—	2567	132.5	—	158.4
		33.04	—	15.49	70.61	67.44	2624	—	3034	132.5	—	187.1
		14.14	—	5.74	90.12	86.94	881	—	1312	75.0	—	54.5
		16.22	16.37	6.65	88.29	85.12	—	1503	1503	—	86.9	76.3
		19.64	—	8.38	84.84	81.66	1432	—	1864	109.5	—	114.8
	NT-110SS	22.02	—	9.65	82.30	79.12	—	—	2113	126.1	—	130.4
		23.96	—	10.54	80.52	77.34	1855	—	2286	132.5	—	141.1
		24.55	—	10.92	79.76	76.58	—	—	2251	132.5	—	145.5
		28.13	—	12.70	76.20	73.02	2260	—	2691	132.5	—	165.9
		33.04	—	15.49	70.61	67.44	2749	—	3180	132.5	—	196.0
		14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		16.22	16.37	6.65	88.29	85.12	—	1299	1299	—	75.1	68.8
		19.64	—	8.38	84.84	81.66	1237	—	1606	94.6	—	99.1
	NT-95DS	22.02	—	9.65	82.30	79.12	—	—	1828	108.9	—	112.7
		23.96	—	10.54	80.52	77.34	1601	—	1975	118.9	—	121.8
		24.55	—	10.92	79.76	76.58	—	—	2037	120.9	—	125.7
		28.13	—	12.70	76.20	73.02	1953	—	2322	120.9	—	143.3
		33.04	—	15.49	70.61	67.44	2375	—	2745	120.9	—	169.3
		14.14	—	5.74	90.12	86.94	1001	—	1490	85.2	—	57.8
		16.22	16.37	6.65	88.29	85.12	—	1713	1713	—	98.8	82.9
		19.64	—	8.38	84.84	81.66	1628	—	2117	124.5	—	130.4
101.6	NT-125DS	22.02	—	9.65	82.30	79.12	—	—	2402	132.5	—	148.2
		23.96	—	10.54	80.52	77.34	2108	—	2598	132.5	—	160.3
		24.55	—	10.92	79.76	76.58	—	—	2682	132.5	—	165.4
		28.13	—	12.70	76.20	73.02	2567	—	3056	132.5	—	188.5
		33.04	—	15.49	70.61	67.44	3123	—	3612	132.5	—	222.8
		14.14	—	5.74	90.12	86.94	1121	—	1668	95.4	—	60.2
		16.22	16.37	6.65	88.29	85.12	—	1917	1917	—	110.7	88.9
		19.64	—	8.38	84.84	81.66	1824	—	2371	132.5	—	143.0
	NT-140DS	22.02	—	9.65	82.30	79.12	—	—	2691	132.5	—	166.0
		23.96	—	10.54	80.52	77.34	2362	—	2909	132.5	—	179.5
		24.55	—	10.92	79.76	76.58	—	—	3003	132.5	—	185.2
		28.13	—	12.70	76.20	73.02	2878	—	3425	132.5	—	211.1
	NT-140DS	33.04	—	15.49	70.61	67.44	3496	—	4048	132.5	—	249.5
		14.14	—	5.74	90.12	86.94	1201	—	1788	102.2	—	61.4
		16.22	16.37	6.65	88.29	85.12	—	2055	2055	—	118.5	92.5
		19.64	—	8.38	84.84	81.66	1953	—	2540	132.5	—	151.1
101.6	NT-150DS	22.02	—	9.65	82.30	79.12	—	—	2882	132.5	—	177.8
		23.96	—	10.54	80.52	77.34	2531	—	3118	132.5	—	192.4
		24.55	—	10.92	79.76	76.58	—	—	3216	132.5	—	198.4
		28.13	—	12.70	76.20	73.02	3083	—	3670	132.5	—	226.2
		33.04	—	15.49	70.61	67.44	3750	—	4333	132.5	—	267.3
		18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
		22.62	—	8.56	97.18	94.01	1446	—	1864	85.8	—	88.0
		25.30	—	9.65	95.00	91.82	1659	—	2077	96.8	—	101.3
	T-95	28.13	—	10.92	92.46	89.28	1904	—	2322	102.3	—	113.2

新日铁(NT)特殊钢级油管强度数据

外径 mm	钢　级	单重 kg/m 不加厚	单重 kg/m 加厚	壁厚 mm	内径 mm	通径 mm	连接强度 K 不加厚	连接强度 K 加厚	管体抗拉强度 KN	抗内压 MP 不加厚	抗内压 MP 加厚	抗挤强度 MPa
114.3		32.00	—	12.70	88.90	85.72	2237	—	2656	102.3	—	129.4
		35.27	—	14.22	85.85	82.68	2509	—	2927	102.3	—	142.7
		38.84	—	16.00	82.30	79.12	2816	—	3238	102.3	—	157.8
	NT-80LS	18.75	18.97	6.88	100.53	97.36	930	1281	1281	58.1	58.1	51.9
		22.62	—	8.56	97.18	94.01	1214	—	1570	72.3	—	76.4
		25.30	—	9.65	95.00	91.82	1397	—	1753	81.5	—	85.3
		28.13	—	10.92	92.46	89.28	1606	—	1957	88.9	—	95.4
		32.00	—	12.70	88.90	85.72	1882	—	2237	88.9	—	108.9
		35.27	—	14.22	85.85	82.68	2113	—	2469	88.9	—	120.2
		38.84	—	16.00	82.30	79.12	2371	—	2727	88.9	—	132.8
114.3	NT-95LS	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
		22.62	—	8.56	97.18	94.01	1446	—	1864	85.8	—	88.0
		25.30	—	9.65	95.00	91.82	1659	—	2077	96.8	—	101.3
		28.13	—	10.92	92.46	89.28	1904	—	2322	102.3	—	113.2
		32.00	—	12.70	88.90	85.72	2237	—	2656	102.3	—	129.4
		35.27	—	14.22	85.85	82.68	2509	—	2927	102.3	—	142.7
		38.84	—	16.00	82.30	79.12	2816	—	3238	102.3	—	157.8
	NT-110LS	18.75	18.97	6.88	100.53	97.36	1277	1761	1761	79.9	79.9	63.5
		22.62	—	8.56	97.18	94.01	1673	—	2157	99.4	—	98.9
		25.30	—	9.65	95.00	91.82	1922	—	2406	102.3	—	117.3
		28.13	—	10.92	92.46	89.28	2206	—	2691	102.3	—	131.1
		32.00	—	12.70	88.90	85.72	2589	—	3074	102.3	—	149.8
		35.27	—	14.22	85.85	82.68	2905	—	3390	102.3	—	165.3
		38.84	—	16.00	82.30	79.12	3261	—	3745	102.3	—	182.6
	NT-80SS	18.75	18.97	6.88	100.53	97.36	930	1281	1281	58.1	58.1	51.7
		22.62	—	8.56	97.18	94.01	1214	—	1570	72.3	—	76.4
		25.30	—	9.65	95.00	91.82	1397	—	1753	81.5	—	85.3
		28.13	—	10.92	92.46	89.28	1606	—	1957	88.9	—	95.4
		32.00	—	12.70	88.90	85.72	1882	—	2237	88.9	—	108.9
		35.27	—	14.22	85.85	82.68	2113	—	2469	88.9	—	120.2
		38.84	—	16.00	82.30	79.12	2371	—	2727	88.9	—	132.8
	NT-85SS	18.75	18.97	6.88	100.53	97.36	988	1361	1361	61.8	61.8	53.9
		22.62	—	8.56	97.18	94.01	1290	—	1668	76.8	—	80.5
114.3	NT-85SS	25.30	—	9.65	95.00	91.82	1486	—	1859	86.6	—	90.6
		28.13	—	10.92	92.46	89.28	1704	—	2077	94.5	—	101.3
		32.00	—	12.70	88.90	85.72	2002	—	2375	94.5	—	115.8
		35.27	—	14.22	85.85	82.68	2246	—	2620	94.5	—	127.7
		38.84	—	16.00	82.30	79.12	2522	—	2896	94.5	—	141.1
	NT-90SS	18.75	18.97	6.88	100.53	97.36	1045	1441	1441	65.4	65.4	56.0
		22.62	—	8.56	97.18	94.01	1366	—	1766	81.3	—	84.3
		25.30	—	9.65	95.00	91.82	1570	—	1971	91.7	—	96.0
		28.13	—	10.92	92.46	89.28	1806	—	2202	100.0	—	107.3
		32.00	—	12.70	88.90	85.72	2117	—	2513	100.0	—	122.6
		35.27	—	14.22	85.85	82.68	2380	—	2776	100.0	—	135.2
		38.84	—	16.00	82.30	79.12	2669	—	3065	100.0	—	149.4
	NT-95SS	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
		22.62	—	8.56	97.18	94.01	1446	—	1864	85.8	—	88.0
		25.30	—	9.65	95.00	91.82	1659	—	2077	96.8	—	101.3
		28.13	—	10.92	92.46	89.28	1904	—	2322	102.3	—	113.2
		32.00	—	12.70	88.90	85.72	2237	—	2656	102.3	—	129.4
		35.27	—	14.22	85.85	82.68	2509	—	2927	102.3	—	142.7
		38.84	—	16.00	82.30	79.12	2816	—	3238	102.3	—	157.8
	NT-100SS	18.75	18.97	6.88	100.53	97.36	1161	1601	1601	72.7	72.7	59.9
		22.62	—	8.56	97.18	94.01	1521	—	1962	90.4	—	91.7
		25.30	—	9.65	95.00	91.82	1748	—	2189	101.9	—	106.6
		28.13	—	10.92	92.46	89.28	2006	—	2447	102.3	—	119.1
	NT-100SS	32.00	—	12.70	88.90	85.72	2353	—	2793	102.3	—	136.2
		35.27	—	14.22	85.85	82.68	2642	—	3083	102.3	—	150.2
		38.84	—	16.00	82.30	79.12	2967	—	3407	102.3	—	166.0
		18.75	18.97	6.88	100.53	97.36	1219	1681	1681	76.3	76.3	61.8
		22.62	—	8.56	97.18	94.01	1597	—	2060	94.9	—	95.3

新日铁(NT)特殊钢级油管强度数据

外径 mm	钢级	单重 kg/m		壁厚 mm	内径 mm	通径 mm	连接强度 K		管体抗拉强度 KN	抗内压 MPa		抗挤强度 MPa
		不加厚	加厚				不加厚	加厚		不加厚	加厚	
114.3	NT-105SS	25.30	—	9.65	95.00	91.82	1833	—	2295	102.3	—	112.0
		28.13	—	10.92	92.46	89.28	2104	—	2567	102.3	—	125.1
		32.00	—	12.70	88.90	85.72	2473	—	2936	102.3	—	143.0
		35.27	—	14.22	85.85	82.68	2776	—	3238	102.3	—	157.8
		38.84	—	16.00	82.30	79.12	3114	—	3576	102.3	—	174.3
	NT-110SS	18.75	18.97	6.88	100.53	97.36	1277	1761	1761	79.9	79.9	63.5
		22.62	—	8.56	97.18	94.01	1673	—	2157	99.4	—	98.9
		25.30	—	9.65	95.00	91.82	1922	—	2406	102.3	—	117.3
		28.13	—	10.92	92.46	89.28	2206	—	2691	102.3	—	131.1
		32.00	—	12.70	88.90	85.72	2589	—	3074	102.3	—	149.8
		35.27	—	14.22	85.85	82.68	2905	—	3390	102.3	—	165.3
		38.84	—	16.00	82.30	79.12	3261	—	3745	102.3	—	182.6
	NT-95DS	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
		22.62	—	8.56	97.18	94.01	1446	—	1864	85.8	—	88.0
		25.30	—	9.65	95.00	91.82	1659	—	2077	96.8	—	101.3
		28.13	—	10.92	92.46	89.28	1904	—	2322	102.3	—	113.2
		32.00	—	12.70	88.90	85.72	2237	—	2656	102.3	—	129.4
		35.27	—	14.22	85.85	82.68	2509	—	2927	102.3	—	142.7
114.3	NT-95DS	38.84	—	16.00	82.30	79.12	2816	—	3238	102.3	—	157.8
	NT-125DS	18.75	18.97	6.88	100.53	97.36	1450	2002	2002	90.8	90.8	68.2
		22.62	—	8.56	97.18	94.01	1899	—	2451	102.3	—	109.1
		25.30	—	9.65	95.00	91.82	2184	—	2731	102.3	—	133.3
		28.13	—	10.92	92.46	89.28	2504	—	3056	102.3	—	149.0
		32.00	—	12.70	88.90	85.72	2940	—	3492	102.3	—	170.2
		35.27	—	14.22	85.85	82.68	3305	—	3852	102.3	—	187.8
		38.84	—	16.00	82.30	79.12	3710	—	4257	102.3	—	207.5
	NT-140DS	18.75	18.97	6.88	100.53	97.36	1624	2242	2242	101.7	101.7	72.1
		22.62	—	8.56	97.18	94.01	2126	—	2745	102.3	—	118.7
		25.30	—	9.65	95.00	91.82	2447	—	3065	102.3	—	149.1
		28.13	—	10.92	92.46	89.28	2807	—	3425	102.3	—	166.9
		32.00	—	12.70	88.90	85.72	3296	—	3914	102.3	—	190.6
		35.27	—	14.22	85.85	82.68	3701	—	4315	102.3	—	210.4
		38.84	—	16.00	82.30	79.12	4164	—	4768	102.3	—	232.4
	NT-150DS	18.75	18.97	6.88	100.53	97.36	1739	2402	2402	102.3	102.9	74.3
		22.62	—	8.56	97.18	94.01	2277	—	2940	102.3	—	124.9
		25.30	—	9.65	95.00	91.82	2620	—	3283	102.3	—	157.8
		28.13	—	10.92	92.46	89.28	3007	—	3670	102.3	—	178.8
		32.00	—	12.70	88.90	85.72	3532	—	4190	102.3	—	204.3
		35.27	—	14.22	85.85	82.68	3963	—	4626	102.3	—	225.4
		38.84	—	16.00	82.30	79.12	4448	—	5111	102.3	—	249.0

住友(SM)NEW VAM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
60.3	55	6.85	4.83	50.67	48.29	320	—	53.1	55.8
		7.59	5.54	49.25	46.86	360	—	60.9	63.2
		8.63	6.45	47.42	45.03	414	—	70.9	72.5
	75	6.85	4.83	50.67	48.29	436	—	72.4	76.1
		7.59	5.54	49.25	46.86	494	—	83.1	86.2
		8.63	6.45	47.42	45.03	565	—	96.8	98.8
	80	6.85	4.83	50.67	48.29	463	—	77.2	81.2
		7.59	5.54	49.25	46.86	525	—	88.6	92.0
		8.63	6.45	47.42	45.03	601	—	103.2	105.4
	90	6.85	4.83	50.67	48.29	520	—	86.9	91.4
		7.59	5.54	49.25	46.86	592	—	99.7	103.5
		8.63	6.45	47.42	45.03	676	—	116.1	118.5
	95	6.85	4.83	50.67	48.29	552	—	91.7	96.4
		7.59	5.54	49.25	46.86	623	—	105.2	109.2
		8.63	6.45	47.42	45.03	716	—	122.6	125.1
	105	6.85	4.83	50.67	48.29	609	—	101.4	106.6
		7.59	5.54	49.25	46.86	689	—	116.3	120.7
		8.63	6.45	47.42	45.03	792	—	135.5	138.3
	110	6.85	4.83	50.67	48.29	636	—	106.2	111.2
		7.59	5.54	49.25	46.86	721	—	121.8	126.4
		8.63	6.45	47.42	45.03	827	—	142.0	144.9
	125	6.85	4.83	50.67	48.29	725	—	120.7	123.4
		7.59	5.54	49.25	46.86	823	—	138.4	143.7
60.3	125	8.63	6.45	47.42	45.03	943	—	161.3	164.6
	130	6.85	4.83	50.67	48.29	756	—	125.5	127.3
		7.59	5.54	49.25	46.86	854	—	144.0	149.4
		8.63	6.45	47.42	45.03	979	—	167.7	171.2
	140	6.85	4.83	50.67	48.29	814	—	135.1	135.1
		7.59	5.54	49.25	46.86	921	—	155.1	160.9
		8.63	6.45	47.42	45.03	1054	—	180.6	184.4
	150	6.85	4.83	50.67	48.29	872	—	144.8	142.4
		7.59	5.54	49.25	46.86	988	—	166.1	172.4
		8.63	6.45	47.42	45.03	1130	—	193.5	197.5
73.0	55	9.52	5.51	62.00	59.61	445	—	50.1	53.0
		11.46	7.01	59.00	56.62	552	—	63.7	65.8
		12.80	7.82	57.38	54.99	609	—	71.1	72.5
		14.58	9.19	54.64	52.25	698	—	83.6	83.5
	75	9.52	5.51	62.00	59.61	605	—	68.3	72.2
		11.46	7.01	59.00	56.62	752	—	86.9	89.8
		12.80	7.82	57.38	54.99	827	—	96.9	98.9
		14.58	9.19	54.64	52.25	952	—	114.0	113.8
	80	9.52	5.51	62.00	59.61	645	—	72.9	77.0
		11.46	7.01	59.00	56.62	801	—	92.7	95.8
		12.80	7.82	57.38	54.99	885	—	103.4	105.5
		14.58	9.19	54.64	52.25	1019	—	121.6	121.4
	90	9.52	5.51	62.00	59.61	725	—	82.0	85.4
73.0	90	11.46	7.01	59.00	56.62	903	—	104.2	107.7
		12.80	7.82	57.38	54.99	992	—	116.3	118.7
		14.58	9.19	54.64	52.25	1143	—	136.7	136.6
	95	9.52	5.51	62.00	59.61	765	—	86.5	89.2
		11.46	7.01	59.00	56.62	952	—	110.0	113.7
		12.80	7.82	57.38	54.99	1050	—	122.8	125.3
		14.58	9.19	54.64	52.25	1210	—	144.3	144.2
	105	9.52	5.51	62.00	59.61	845	—	95.6	96.7
		11.46	7.01	59.00	56.62	1054	—	121.6	125.6
		12.80	7.82	57.38	54.99	1161	—	135.8	138.5
		14.58	9.19	54.64	52.25	1334	—	159.5	159.3
	110	9.52	5.51	62.00	59.61	885	—	100.2	100.3
		11.46	7.01	59.00	56.62	1103	—	127.4	131.6
		12.80	7.82	57.38	54.99	1214	—	142.2	145.1
		14.58	9.19	54.64	52.25	1397	—	167.1	166.9

住友(SM)NEW VAM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
	125	9.52	5.51	62.00	59.61	1010	—	113.8	110.8
		11.46	7.01	59.00	56.62	1254	—	144.8	149.6
		12.80	7.82	57.38	54.99	1379	—	161.5	164.9
		14.58	9.19	54.64	52.25	1588	—	189.9	189.7
	130	9.52	5.51	62.00	59.61	1050	—	118.4	114.2
		11.46	7.01	59.00	56.62	1303	—	150.6	155.5
		12.80	7.82	57.38	54.99	1437	—	168.0	171.5
		14.58	9.19	54.60	52.25	1655	—	197.5	197.3
	140	9.52	5.51	62.00	59.61	1130	—	127.5	120.7
		11.46	7.01	59.00	56.62	1406	—	162.2	167.5
		12.80	7.82	57.38	54.99	1548	—	181.0	184.6
73.0		14.58	9.19	54.64	52.25	1779	—	212.7	212.5
	150	9.52	5.51	62.00	59.61	1210	—	136.6	126.9
		11.46	7.01	59.00	56.62	1503	—	173.7	179.5
		12.80	7.82	57.38	54.99	1655	—	193.9	197.9
		14.58	9.19	54.64	52.25	1908	—	227.9	227.7
	55	11.46	5.49	77.93	74.75	547	—	41.0	41.2
		13.69	6.45	76.00	72.82	632	—	48.1	51.0
		15.18	7.34	74.22	71.04	712	—	54.8	57.4
		18.90	9.52	69.85	66.68	899	—	71.1	72.5
		20.39	10.49	67.92	64.74	979	—	78.3	78.9
		21.88	11.43	66.04	62.86	1054	—	85.3	84.9
		23.51	12.09	64.72	61.54	1108	—	90.3	89.1
88.9	75	11.46	5.49	77.93	74.75	743	—	55.8	51.8
		13.69	6.45	76.00	72.82	863	—	65.6	68.9
		15.18	7.34	74.22	71.04	974	—	74.7	78.3
		18.90	9.52	69.85	66.68	1228	—	96.9	98.9
		20.39	10.49	67.92	64.74	1334	—	106.8	107.6
		21.88	11.43	66.04	62.86	1437	—	116.3	115.9
		23.51	12.09	64.72	61.54	1508	—	123.1	121.6
	80	11.46	5.49	77.93	74.75	792	—	59.6	54.3
	80	13.69	6.45	76.00	72.82	921	—	70.1	72.7
		15.18	7.34	74.22	71.04	1036	—	79.7	83.6
		18.90	9.52	69.85	66.68	1308	—	103.4	105.6
		20.39	10.49	67.92	64.74	1423	—	113.9	114.8
		21.88	11.43	66.04	62.86	1535	—	124.1	123.6
		23.51	12.09	64.72	61.54	1610	—	131.3	129.6
	90	11.46	5.49	77.93	74.75	894	—	67.0	58.9
		13.69	6.45	76.00	72.82	1036	—	78.8	79.8
		15.18	7.34	74.22	71.04	1165	—	89.6	94.0
		18.90	9.52	69.85	66.68	1472	—	116.4	118.7
		20.39	10.49	67.92	64.74	1601	—	128.2	129.1
88.9		21.88	11.43	66.04	62.86	1726	—	139.6	139.1
		23.51	12.09	64.72	61.54	1810	—	147.7	145.8
	95	11.46	5.49	77.93	74.75	943	—	70.7	61.0
		13.69	6.45	76.00	72.82	1094	—	83.2	83.3
		15.18	7.34	74.22	71.04	1232	—	94.7	99.2
		18.90	9.52	69.85	66.68	1557	—	122.8	125.3
		20.39	10.49	67.92	64.74	1690	—	135.3	135.8
		21.88	11.43	66.04	62.86	1824	—	147.3	146.8
		23.51	12.09	64.72	61.54	1908	—	155.9	154.0
	105	11.46	5.49	77.93	74.75	1041	—	78.2	65.2
		13.69	6.45	76.00	72.82	1210	—	91.9	90.0
		15.18	7.34	74.22	71.04	1361	—	104.6	109.7
	105	18.90	9.52	69.85	66.68	1721	—	135.8	138.5
		20.39	10.49	67.92	64.74	1873	—	149.5	150.7
		21.88	11.43	66.04	62.86	2015	—	162.9	162.2
		23.51	12.09	64.72	61.54	2113	—	172.3	170.2
		11.46	5.49	77.93	74.75	1090	—	81.9	67.1
		13.69	6.45	76.00	72.82	1268	—	96.3	93.3
		15.18	7.34	74.22	71.04	1428	—	109.6	114.9

住友(SM)NEW VAM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
88.9	110	18.90	9.52	69.85	66.68	1802	—	142.2	145.1
		20.39	10.49	67.92	64.74	1962	—	156.6	157.9
		21.88	11.43	66.04	62.86	2108	—	170.6	170.0
		23.51	12.09	64.72	61.54	2211	—	180.5	178.2
	125	11.46	5.49	77.93	74.75	1241	—	93.1	72.4
		13.69	6.45	76.00	72.82	1441	—	109.4	102.7
		15.18	7.34	74.22	71.04	1619	—	124.5	130.6
		18.90	9.52	69.85	66.68	2046	—	161.6	164.9
		20.39	10.49	67.92	64.74	2229	—	178.0	179.4
		21.88	11.43	66.04	62.86	2398	—	193.9	193.1
		23.51	12.09	64.72	61.54	2513	—	205.1	202.6
	130	11.46	5.49	77.93	74.75	1290	—	96.8	74.0
		13.69	6.45	76.00	72.82	1499	—	113.8	105.7
		15.18	7.34	74.22	71.04	1686	—	129.5	134.9
		18.90	9.52	69.85	66.68	2131	—	168.1	171.5
		20.39	10.49	67.92	64.74	2318	—	185.1	186.6
88.9	130	21.88	11.43	66.04	62.86	2495	—	201.7	200.8
		23.51	12.09	64.72	61.54	2616	—	213.3	210.6
	140	11.46	5.49	77.93	74.75	1388	—	104.2	76.9
		13.69	6.45	76.00	72.82	1615	—	122.6	111.4
		15.18	7.34	74.22	71.04	1815	—	139.5	143.2
		18.90	9.52	69.85	66.68	2291	—	181.0	184.7
		20.39	10.49	67.92	64.74	2495	—	199.3	200.9
		21.88	11.43	66.04	62.86	2687	—	217.2	216.3
		23.51	12.09	64.72	61.54	2816	—	229.7	226.8
	150	11.46	5.49	77.93	74.75	1486	—	111.7	79.4
		13.69	6.45	76.00	72.82	1730	—	131.3	116.8
		15.18	7.34	74.22	71.04	1944	—	149.4	151.3
		18.90	9.52	69.85	66.68	2455	—	193.9	197.9
		20.39	10.49	67.92	64.74	2673	—	213.6	215.3
		21.88	11.43	66.04	62.86	2878	—	232.7	231.7
		23.51	12.09	64.72	61.54	3016	—	246.1	243.0
101.6	55	14.14	5.74	90.12	86.94	654	—	37.5	35.2
		16.22	6.65	88.29	85.12	752	—	43.4	45.4
		19.35	8.38	84.84	81.66	930	—	54.7	57.4
		22.02	9.65	82.30	79.12	1059	—	63.0	65.2
		24.55	10.92	79.76	76.58	1179	—	79.6	72.7
	75	14.14	5.74	90.12	86.94	894	—	51.2	43.6
		16.22	6.65	88.29	85.12	1028	—	59.3	57.8
101.6	75	19.35	8.38	84.84	81.66	1268	—	74.7	78.3
		22.02	9.65	82.30	79.12	1441	—	86.0	88.9
		24.55	10.92	79.76	76.58	1610	—	108.6	99.2
	80	14.14	5.74	90.12	86.94	952	—	54.5	45.4
		16.22	6.65	88.29	85.12	1094	—	63.2	60.7
		19.35	8.38	84.84	81.66	1352	—	79.6	83.5
		22.02	9.65	82.30	79.12	1539	—	91.7	94.9
		24.55	10.92	79.76	76.58	1717	—	115.8	105.8
	90	14.14	5.74	90.12	86.94	1072	—	61.4	48.8
		16.22	6.65	88.29	85.12	1232	—	71.2	66.2
		19.35	8.38	84.84	81.66	1521	—	89.6	93.9
		22.02	9.65	82.30	79.12	1730	—	103.1	106.7
		24.55	10.92	79.76	76.58	1931	—	130.3	119.1
	95	14.14	5.74	90.12	86.94	1134	—	64.7	50.4
		16.22	6.65	88.29	85.12	1299	—	75.1	68.8
		19.35	8.38	84.84	81.66	1606	—	94.6	99.1
		22.02	9.65	82.30	79.12	1824	—	108.9	112.7
		24.55	10.92	79.76	76.58	2037	—	137.6	125.7
	105	14.14	5.74	90.12	86.94	1250	—	71.6	53.2
		16.22	6.65	88.29	85.12	1437	—	83.0	73.8
		19.35	8.38	84.84	81.66	1779	—	104.5	109.6
		22.02	9.65	82.30	79.12	2019	—	120.4	124.5

住友(SM)NEW VAM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		24.55	10.92	79.76	76.58	2251	—	152.0	138.9
101.6	110	14.14	5.74	90.12	86.94	1312	—	75.0	54.5
		16.22	6.65	88.29	85.12	1503	—	86.9	76.3
		19.35	8.38	84.84	81.66	1864	—	109.5	114.8
		22.02	9.65	82.30	79.12	2113	—	126.1	130.4
		24.55	10.92	79.76	76.58	2358	—	159.3	145.5
	125	14.14	5.74	90.12	86.94	1490	—	85.2	57.8
		16.22	6.65	88.29	85.12	1713	—	98.8	82.9
		19.35	8.38	84.84	81.66	2117	—	124.5	130.4
		22.02	9.65	82.30	79.12	2402	—	143.3	148.2
		24.55	10.92	79.76	76.58	2682	—	181.0	165.4
	130	14.14	5.74	90.12	86.94	1548	—	88.6	58.7
		16.22	6.65	88.29	85.12	1779	—	102.7	85.0
		19.35	8.38	84.84	81.66	2202	—	129.4	134.7
		22.02	9.65	82.30	79.12	2500	—	149.0	154.1
		24.55	10.92	79.76	76.58	2789	—	188.2	172.0
	140	14.14	5.74	90.12	86.94	1668	—	95.4	60.3
		16.22	6.65	88.29	85.12	1917	—	110.7	88.9
		19.35	8.38	84.84	81.66	2371	—	139.3	143.0
		22.02	9.65	82.30	79.12	2691	—	160.4	166.0
		24.55	10.92	79.76	76.58	3003	—	202.7	185.2
	150	14.14	5.74	90.12	86.94	1788	—	102.2	61.4
		16.22	6.65	88.29	85.12	2055	—	118.5	92.4
		19.35	8.38	84.84	81.66	2540	—	149.3	151.1
101.6	150	22.02	9.65	82.30	79.12	2882	—	172.0	177.8
		24.55	10.92	79.76	76.58	3216	—	217.2	198.4
114.3	55	15.63	5.69	102.92	99.75	734	—	33.0	27.6
		17.26	6.35	101.60	98.43	818	—	36.9	34.2
		18.75	6.88	100.53	97.36	881	—	40.0	39.5
		20.09	7.37	99.57	96.39	939	—	42.7	44.3
		22.47	8.56	97.18	94.01	1076	—	49.7	52.5
		25.15	9.65	95.00	91.82	1201	—	56.1	58.6
		27.98	10.92	92.46	89.28	1343	—	63.4	65.6
		32.14	12.70	88.90	85.72	1539	—	73.7	74.9
		36.61	14.22	85.85	82.68	1695	—	82.6	82.7
	75	15.63	5.69	102.92	99.75	1005	—	45.0	33.0
		17.26	6.35	101.60	98.43	1112	—	50.3	42.1
		18.75	6.88	100.53	97.36	1201	—	54.5	49.4
		20.09	7.37	99.57	96.39	1281	—	58.3	56.1
		22.47	8.56	97.18	94.01	1472	—	67.8	71.6
		25.15	9.65	95.00	91.82	1641	—	76.4	80.0
		27.98	10.92	92.46	89.28	1833	—	86.5	89.4
		32.14	12.70	88.90	85.72	2095	—	100.5	102.1
		36.61	14.22	85.85	82.68	2313	—	112.6	112.7
	80	15.63	5.69	102.92	99.75	1072	—	48.1	34.1
		17.26	6.35	101.60	98.43	1188	—	53.6	43.8
		18.75	6.88	100.53	97.36	1281	—	58.1	51.7
114.3	80	20.09	7.37	99.57	96.39	1366	—	62.2	58.9
		22.47	8.56	97.18	94.01	1570	—	72.3	76.4
		25.15	9.65	95.00	91.82	1748	—	81.5	85.3
		27.98	10.92	92.46	89.28	1957	—	92.3	95.4
		32.14	12.70	88.90	85.72	2237	—	107.3	108.9
		36.61	14.22	85.85	82.68	2469	—	120.1	120.2
	90	15.63	5.69	102.92	99.75	1205	—	54.1	35.9
		17.26	6.35	101.60	98.43	1339	—	60.3	47.0
		18.75	6.88	100.53	97.36	1441	—	65.4	56.0
		20.09	7.37	99.57	96.39	1535	—	70.0	64.1
		22.47	8.56	97.18	94.01	1766	—	81.3	84.3
		25.15	9.65	95.00	91.82	1971	—	91.7	96.0
		27.98	10.92	92.46	89.28	2202	—	103.8	107.3
		32.14	12.70	88.90	85.72	2518	—	120.7	122.6

住友(SM)NEW VAM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		36.61	14.22	85.85	82.68	2776	—	135.1	135.2
		15.63	5.69	102.92	99.75	1272	—	57.1	36.6
		17.26	6.35	101.60	98.43	1410	—	63.7	48.5
		18.75	6.88	100.53	97.36	1521	—	69.0	58.0
		20.09	7.37	99.57	96.39	1619	—	73.8	66.6
	95	22.47	8.56	97.18	94.01	1864	—	85.8	88.0
		25.15	9.65	95.00	91.82	2077	—	96.8	101.3
		27.98	10.92	92.46	89.28	2322	—	109.6	113.2
		32.14	12.70	88.90	85.72	2656	—	127.3	129.4
	95	36.61	14.22	85.85	82.68	2931	—	142.7	142.7
		15.63	5.69	102.92	99.75	1406	—	63.1	37.9
		17.26	6.35	101.60	98.43	1561	—	70.4	51.1
		18.75	6.88	100.53	97.36	1681	—	76.3	61.8
		20.09	7.37	99.57	96.39	1793	—	81.6	71.4
	105	22.47	8.56	97.18	94.01	2060	—	94.9	95.3
		25.15	9.65	95.00	91.82	2295	—	107.0	112.0
		27.98	10.92	92.46	89.28	2567	—	121.1	125.1
		32.14	12.70	88.90	85.72	2936	—	140.8	143.0
		36.61	14.22	85.85	82.68	3238	—	157.7	157.8
		15.63	5.69	102.92	99.75	1472	—	66.1	38.3
114.3		17.26	6.35	101.60	98.43	1632	—	73.7	52.3
		18.75	6.88	100.53	97.36	1761	—	79.9	63.5
		20.09	7.37	99.57	96.39	1877	—	85.6	73.7
	110	22.47	8.56	97.18	94.01	2157	—	99.4	98.9
		25.15	9.65	95.00	91.82	2406	—	112.1	117.3
		27.98	10.92	92.46	89.28	2691	—	126.8	131.1
		32.14	12.70	88.90	85.72	3074	—	147.5	149.8
		36.61	14.22	85.85	82.68	3394	—	165.2	165.3
		15.63	5.69	102.92	99.75	1673	—	75.1	40.2
	125	17.26	6.35	101.60	98.43	1855	—	83.8	55.2
		18.75	6.88	100.53	97.36	2002	—	90.8	68.2
		20.09	7.37	99.57	96.39	2135	—	97.2	80.0
		22.47	8.56	97.18	94.01	2451	—	112.9	109.1
		25.15	9.65	95.00	91.82	2736	—	127.3	133.3
	125	27.98	10.92	92.46	89.28	3056	—	144.1	149.0
		32.14	12.70	88.90	85.72	3496	—	167.6	170.2
		36.61	14.22	85.85	82.68	3857	—	187.7	187.8
		15.63	5.69	102.92	99.75	1739	—	78.0	40.9
		17.26	6.35	101.60	98.43	1931	—	87.1	56.0
		18.75	6.88	100.53	97.36	2082	—	94.5	69.6
		20.09	7.37	99.57	96.39	2220	—	101.1	81.9
	130	22.47	8.56	97.18	94.01	2549	—	117.5	112.5
		25.15	9.65	95.00	91.82	2842	—	132.4	138.6
114.3		27.98	10.92	92.46	89.28	3180	—	149.9	154.9
		32.14	12.70	88.90	85.72	3634	—	174.3	177.1
		36.61	14.22	85.85	82.68	4008	—	195.2	195.3
		15.63	5.69	102.92	99.75	1873	—	84.1	42.1
		17.26	6.35	101.60	98.43	2077	—	93.8	57.2
		18.75	6.88	100.53	97.36	2242	—	101.7	72.1
		20.09	7.37	99.57	96.39	2389	—	108.9	85.6
	140	22.47	8.56	97.18	94.01	2745	—	126.5	118.8
		25.15	9.65	95.00	91.82	3065	—	142.7	149.2
		27.98	10.92	92.46	89.28	3425	—	161.4	166.9
		32.14	12.70	88.90	85.72	3914	—	187.7	190.6
		36.61	14.22	85.85	82.68	4315	—	210.2	210.4
		15.63	5.69	102.92	99.75	2006	—	90.1	43.1
		17.26	6.35	101.60	98.43	2229	—	100.5	58.1
		18.75	6.88	100.53	97.36	2402	—	109.0	74.2
		20.09	7.37	99.57	96.39	2558	—	116.7	88.8
114.3	150	22.47	8.56	97.18	94.01	2940	—	135.6	124.8
		25.15	9.65	95.00	91.82	3283	—	152.9	157.8

住友(SM)NEW VAM扣油管强度数据

外径 mm	钢　　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		27.98	10.92	92.46	89.28	3670	—	172.9	178.8
		32.14	12.70	88.90	85.72	4195	—	201.1	204.3
		36.61	14.22	85.85	82.68	4626	—	225.3	225.4

住友(SM)TM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
60.3	55	7.59	5.54	49.25	46.86	360	—	60.9	63.2
		8.63	6.45	47.42	45.03	414	—	70.9	72.5
		9.38	7.11	46.10	43.71	449	—	78.3	78.9
		10.86	8.53	43.26	40.87	525	—	93.9	92.1
	75	7.59	5.54	49.25	46.86	494	—	83.1	86.2
		8.63	6.45	47.42	45.03	565	—	96.8	98.8
		9.38	7.11	46.10	43.71	614	—	106.7	107.6
		10.86	8.53	43.26	40.87	716	—	128.0	125.6
	80	7.59	5.54	49.25	46.86	525	—	88.6	92.0
		8.63	6.45	47.42	45.03	601	—	103.2	105.4
		9.38	7.11	46.10	43.71	654	—	113.8	114.7
		10.86	8.53	43.26	40.87	765	—	136.6	134.0
	90	7.59	5.54	49.25	46.86	592	—	99.7	103.5
		8.63	6.45	47.42	45.03	676	—	116.1	118.5
		9.38	7.11	46.10	43.71	738	—	128.0	129.1
		10.86	8.53	43.26	40.87	863	—	153.6	150.7
	95	7.59	5.54	49.25	46.86	623	—	105.2	109.2
		8.63	6.45	47.42	45.03	716	—	122.6	125.1
		9.38	7.11	46.10	43.71	778	—	135.1	136.2
		10.86	8.53	43.26	40.87	907	—	162.2	159.1
	105	7.59	5.54	49.25	46.86	689	—	116.3	120.7
		8.63	6.45	47.42	45.03	792	—	135.5	138.3
		9.38	7.11	46.10	43.71	863	—	149.3	150.6
60.3	105	10.86	8.53	43.26	40.87	1005	—	179.3	175.9
	110	7.59	5.54	49.25	46.86	721	—	121.8	126.4
		8.63	6.45	47.42	45.03	827	—	142.0	144.9
		9.38	7.11	46.10	43.71	903	—	156.4	157.8
		10.86	8.53	43.26	40.87	1054	—	187.7	184.2
	125	7.59	5.54	49.25	46.86	823	—	138.4	143.7
		8.63	6.45	47.42	45.03	943	—	161.3	164.6
		9.38	7.11	46.10	43.71	1023	—	177.8	179.3
		10.86	8.53	43.26	40.87	1197	—	213.4	209.3
	140	7.59	5.54	49.25	46.86	921	—	155.1	160.9
		8.63	6.45	47.42	45.03	1054	—	180.6	184.4
		9.38	7.11	46.10	43.71	1148	—	198.6	200.8
		10.86	8.53	43.26	40.87	1339	—	239.0	234.5
	150	7.59	5.54	49.25	46.86	988	—	166.1	172.4
		8.63	6.45	47.42	45.03	1130	—	193.5	197.5
		9.38	7.11	46.10	43.71	1228	—	213.4	215.1
		10.86	8.53	43.26	40.87	1437	—	256.1	251.2
73.0	55	9.52	5.51	62.00	59.61	445	—	50.1	53.0
		11.46	7.01	59.00	56.62	552	—	63.7	65.8
		12.80	7.82	57.38	54.99	609	—	71.1	72.5
		14.14	8.64	55.75	53.37	663	—	78.5	79.1
		14.58	9.19	54.64	52.25	698	—	83.6	83.5
		15.92	10.29	52.45	50.06	770	—	93.5	91.8
73.0	75	9.52	5.51	62.00	59.61	605	—	68.3	72.2
		11.46	7.01	59.00	56.62	752	—	86.9	89.8
		12.80	7.82	57.38	54.99	827	—	96.9	98.9
		14.14	8.64	55.75	53.37	903	—	107.0	107.8
		14.58	9.19	54.64	52.25	952	—	114.0	113.8
		15.92	10.29	52.45	50.06	1050	—	127.5	125.1
	80	9.52	5.51	62.00	59.61	645	—	72.9	77.0
		11.46	7.01	59.00	56.62	801	—	92.7	95.8
		12.80	7.82	57.38	54.99	885	—	103.4	105.5
		14.14	8.64	55.75	53.37	965	—	114.2	115.0
		14.58	9.19	54.64	52.25	1019	—	121.6	121.4
		15.92	10.29	52.45	50.06	1117	—	136.0	133.5
	90	9.52	5.51	62.00	59.61	725	—	82.0	85.4
		11.46	7.01	59.00	56.62	903	—	104.2	107.7
		12.80	7.82	57.38	54.99	996	—	116.3	118.7

住友(SM)TM扣油管强度数据

外径	钢　　级	单重	壁厚	内径	通径	连接强度 KN		抗内压	抗挤强度
mm		kg/m	mm	mm	mm	接头	管体	MPa	MPa
	[illegible]	14.14	8.64	55.75	53.37	1085	—	128.4	129.4
		14.58	9.19	54.64	52.25	1143	—	136.7	136.6
		15.92	10.29	52.45	50.06	1259	—	153.0	150.2
	95	9.52	5.51	62.00	59.61	765	—	86.5	89.2
		11.46	7.01	59.00	56.62	952	—	110.0	113.7
		12.80	7.82	57.38	54.99	1050	—	122.8	125.3
		14.14	8.64	55.75	53.37	1143	—	135.6	136.6
		14.58	9.19	54.64	52.25	1210	—	144.3	144.2
	95	15.92	10.29	52.45	50.06	1330	—	161.5	158.5
	105	9.52	5.51	62.00	59.61	845	—	95.6	96.7
		11.46	7.01	59.00	56.62	1054	—	121.6	125.6
		12.80	7.82	57.38	54.99	1161	—	135.8	138.5
		14.14	8.64	55.75	53.37	1263	—	149.8	151.0
		14.58	9.19	54.64	52.25	1334	—	159.5	159.3
		15.92	10.29	52.45	50.06	1468	—	178.4	175.3
	110	9.52	5.51	62.00	59.61	885	—	100.2	100.3
		11.46	7.01	59.00	56.62	1103	—	127.4	131.6
		12.80	7.82	57.38	54.99	1214	—	142.2	145.1
73.0		14.14	8.64	55.75	53.37	1326	—	157.0	158.2
		14.58	9.19	54.64	52.25	1397	—	167.1	166.9
		15.92	10.29	52.45	50.06	1539	—	187.0	183.6
	125	9.52	5.51	62.00	59.61	1010	—	113.8	110.8
		11.46	7.01	59.00	56.62	1254	—	144.8	149.6
		12.80	7.82	57.38	54.99	1383	—	161.5	164.9
		14.14	8.64	55.75	53.37	1503	—	178.4	179.7
		14.58	9.19	54.64	52.25	1588	—	189.9	189.7
		15.92	10.29	52.45	50.06	1748	—	212.5	208.6
	140	9.52	5.51	62.00	59.61	1130	—	127.5	120.7
		11.46	7.01	59.00	56.62	1406	—	162.2	167.5
		12.80	7.82	57.38	54.99	1548	—	181.0	184.6
		14.14	8.64	55.75	53.37	1686	—	199.7	201.3
	140	14.58	9.19	54.64	52.25	1779	—	212.7	212.5
		15.92	10.29	52.45	50.06	1957	—	237.9	233.7
73.0	150	9.52	5.51	62.00	59.61	1210	—	136.6	126.9
		11.46	7.01	59.00	56.62	1503	—	173.7	179.5
		12.80	7.82	57.38	54.99	1659	—	193.9	197.9
		14.14	8.64	55.75	53.37	1806	—	214.0	215.7
		14.58	9.19	54.64	52.25	1908	—	227.9	227.7
		15.92	10.29	52.45	50.06	2095	—	255.0	250.3
	55	13.69	6.45	76.00	72.82	632	—	48.2	51.0
		15.18	7.34	74.22	71.04	712	—	54.8	57.4
		18.90	9.52	69.85	66.68	903	—	71.1	72.5
		20.39	10.49	67.92	64.74	979	—	78.3	78.9
		23.07	11.40	66.09	62.92	1054	—	85.2	84.8
		23.51	12.09	64.72	61.54	1108	—	90.3	89.1
88.9	75	13.69	6.45	76.00	72.82	863	—	65.7	68.9
		15.18	7.34	74.22	71.04	974	—	74.7	78.3
		18.90	9.52	69.85	66.68	1228	—	96.9	98.9
		20.39	10.49	67.92	64.74	1334	—	106.8	107.6
		23.07	11.40	66.09	62.92	1437	—	116.1	115.6
		23.51	12.09	64.72	61.54	1508	—	123.1	121.6
	80	13.69	6.45	76.00	72.82	921	—	70.1	72.7
		15.18	7.34	74.22	71.04	1036	—	79.7	83.6
		18.90	9.52	69.85	66.68	1312	—	103.4	105.6
	80	20.39	10.49	67.92	64.74	1423	—	113.9	114.8
		23.07	11.40	66.09	62.92	1530	—	123.8	123.3
		23.51	12.09	64.72	61.54	1610	—	131.3	129.6
	90	13.69	6.45	76.00	72.82	1036	—	78.8	79.8
		15.18	7.34	74.22	71.04	1165	—	89.7	94.0
		18.90	9.52	69.85	66.68	1472	—	116.4	118.7
		20.39	10.49	67.92	64.74	1601	—	128.2	129.1

住友(SM)TM扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
88.9		23.07	11.40	66.09	62.92	1721	—	139.3	138.8
		23.51	12.09	64.72	61.54	1810	—	147.7	145.8
	95	13.69	6.45	76.00	72.82	1094	—	83.2	83.3
		15.18	7.34	74.22	71.04	1232	—	94.7	99.2
		18.90	9.52	69.85	66.68	1557	—	122.8	125.3
		20.39	10.49	67.92	64.74	1690	—	135.3	136.3
		23.07	11.40	66.09	62.92	1819	—	147.1	146.5
		23.51	12.09	64.72	61.54	1913	—	155.9	154.0
	105	13.69	6.45	76.00	72.82	1210	—	92.0	90.0
		15.18	7.34	74.22	71.04	1361	—	104.6	109.7
		18.90	9.52	69.85	66.68	1721	—	135.8	138.5
		20.39	10.49	67.92	64.74	1873	—	149.5	150.7
		23.07	11.40	66.09	62.92	2011	—	162.5	161.9
		23.51	12.09	64.72	61.54	2113	—	172.3	170.2
	110	13.69	6.45	76.00	72.82	1268	—	96.3	93.3
		15.18	7.34	74.22	71.04	1428	—	109.6	114.9
88.9	110	18.90	9.52	69.85	66.68	1802	—	142.2	145.1
		20.39	10.49	67.92	64.74	1962	—	156.6	157.9
		23.07	11.40	66.09	62.92	2104	—	170.3	169.6
		23.51	12.09	64.72	61.54	2211	—	180.5	178.2
	125	13.69	6.45	76.00	72.82	1441	—	109.5	102.7
		15.18	7.34	74.22	71.04	1619	—	124.5	130.6
		18.90	9.52	69.85	66.68	2046	—	161.6	164.9
		20.39	10.49	67.92	64.74	2229	—	178.0	179.4
		23.07	11.40	66.09	62.92	2393	—	193.5	192.8
		23.51	12.09	64.72	61.54	2513	—	205.1	202.6
	140	13.69	6.45	76.00	72.82	1615	—	122.6	111.4
		15.18	7.34	74.22	71.04	1815	—	139.5	143.2
		18.90	9.52	69.85	66.68	2291	—	181.0	184.7
		20.39	10.49	67.92	64.74	2495	—	199.3	200.9
		23.07	11.40	66.09	62.92	2682	—	216.7	215.9
		23.51	12.09	64.72	61.54	2816	—	229.7	226.8
	150	13.69	6.45	76.00	72.82	1730	—	131.3	116.8
		15.18	7.34	74.22	71.04	1944	—	149.5	151.3
		18.90	9.52	69.85	66.68	2455	—	193.9	197.9
		20.39	10.49	67.92	64.74	2673	—	213.6	215.3
		23.07	11.40	66.09	62.92	2874	—	232.2	231.3
		23.51	12.09	64.72	61.54	3016	—	246.1	243.0
101.6	55	16.22	6.65	88.29	85.12	752	—	43.4	45.4
101.6	55	19.35	8.38	84.84	81.66	930	—	54.7	57.4
		22.02	9.65	82.30	79.12	1059	—	63.0	65.2
		24.55	10.92	79.76	76.58	1179	—	71.4	72.7
	75	16.22	6.65	88.29	85.12	1028	—	59.3	57.8
		19.35	8.38	84.84	81.66	1268	—	74.7	78.3
		22.02	9.65	82.30	79.12	1441	—	86.0	88.9
		24.55	10.92	79.76	76.58	1610	—	97.3	99.2
	80	16.22	6.65	88.29	85.12	1094	—	63.2	60.7
		19.35	8.38	84.84	81.66	1352	—	79.6	83.5
		22.02	9.65	82.30	79.12	1539	—	91.7	94.9
		24.55	10.92	79.76	76.58	1717	—	103.8	105.8
101.6	90	16.22	6.65	88.29	85.12	1232	—	71.2	66.2
		19.35	8.38	84.84	81.66	1521	—	89.6	93.9
		22.02	9.65	82.30	79.12	1730	—	103.1	106.7
		24.55	10.92	79.76	76.58	1931	—	116.7	119.1
	95	16.22	6.65	88.29	85.12	1299	—	75.1	68.8
		19.35	8.38	84.84	81.66	1606	—	94.6	99.1
		22.02	9.65	82.30	79.12	1828	—	108.9	112.7
		24.55	10.92	79.76	76.58	2037	—	123.2	125.7
	105	16.22	6.65	88.29	85.12	1437	—	83.0	73.8
		19.35	8.38	84.84	81.66	1779	—	104.5	109.6
		22.02	9.65	82.30	79.12	2019	—	120.4	124.5

住友(SM)TM扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		24.55	10.92	79.76	76.58	2251	—	136.2	138.9
101.6	110	16.22	6.65	88.29	85.12	1503	—	86.9	76.3
		19.35	8.38	84.84	81.66	1864	—	109.5	114.8
		22.02	9.65	82.30	79.12	2113	—	126.1	130.4
		24.55	10.92	79.76	76.58	2362	—	142.7	145.5
	125	16.22	6.65	88.29	85.12	1713	—	98.8	82.9
		19.35	8.38	84.84	81.66	2117	—	124.5	130.4
		22.02	9.65	82.30	79.12	2402	—	143.3	148.2
		24.55	10.92	79.76	76.58	2682	—	162.2	165.4
	140	16.22	6.65	88.29	85.12	1917	—	110.7	88.9
		19.35	8.38	84.84	81.66	2371	—	139.3	143.0
		22.02	9.65	82.30	79.12	2691	—	160.5	166.0
		24.55	10.92	79.76	76.58	3003	—	181.6	185.2
	150	16.22	6.65	88.29	85.12	2055	—	118.5	92.4
		19.35	8.38	84.84	81.66	2540	—	149.3	151.1
		22.02	9.65	82.30	79.12	2882	—	172.0	177.8
		24.55	10.92	79.76	76.58	3216	—	194.6	198.4
114.3	55	18.75	6.88	100.53	97.36	881	—	40.0	39.5
		20.09	7.37	99.57	96.39	939	—	42.7	44.3
		22.47	8.56	97.18	94.01	1076	—	49.7	52.5
		25.15	9.65	95.00	91.82	1201	—	56.1	58.6
		27.98	10.92	92.46	89.28	1343	—	63.4	65.6
		32.14	12.70	88.90	85.72	1539	—	73.7	74.9
		36.61	14.22	85.85	82.68	1695	—	82.6	82.7
114.3	75	18.75	6.88	100.53	97.36	1201	—	54.5	49.4
		20.09	7.37	99.57	96.39	1281	—	58.3	56.1
		22.47	8.56	97.18	94.01	1472	—	67.8	71.6
		25.15	9.65	95.00	91.82	1641	—	76.4	80.0
		27.98	10.92	92.46	89.28	1833	—	86.5	89.4
		32.14	12.70	88.90	85.72	2095	—	100.5	102.1
		36.61	14.22	85.85	82.68	2313	—	112.6	112.7
	80	18.75	6.88	100.53	97.36	1281	—	58.1	51.7
		20.09	7.37	99.57	96.39	1366	—	62.2	58.9
		22.47	8.56	97.18	94.01	1570	—	72.3	76.4
		25.15	9.65	95.00	91.82	1748	—	81.5	85.3
		27.98	10.92	92.46	89.28	1957	—	92.3	95.4
		32.14	12.70	88.90	85.72	2237	—	107.3	108.9
		36.61	14.22	85.85	82.68	2469	—	120.1	120.2
	90	18.75	6.88	100.53	97.36	1441	—	65.4	56.0
		20.09	7.37	99.57	96.39	1535	—	70.0	64.1
		22.47	8.56	97.18	94.01	1766	—	81.3	84.3
		25.15	9.65	95.00	91.82	1971	—	91.7	96.0
		27.98	10.92	92.46	89.28	2202	—	103.8	107.3
		32.14	12.70	88.90	85.72	2513	—	120.7	122.6
		36.61	14.22	85.85	82.68	2776	—	135.1	135.2
	95	18.75	6.88	100.53	97.36	1521	—	69.0	58.0
		20.09	7.37	99.57	96.39	1619	—	73.8	66.6
114.3	95	22.47	8.56	97.18	94.01	1864	—	85.8	88.0
		25.15	9.65	95.00	91.82	2077	—	96.8	101.3
		27.98	10.92	92.46	89.28	2322	—	109.6	113.2
		32.14	12.70	88.90	85.72	2656	—	127.3	129.4
		36.61	14.22	85.85	82.68	2931	—	142.7	142.7
	105	18.75	6.88	100.53	97.36	1681	—	76.3	61.8
		20.09	7.37	99.57	96.39	1793	—	81.6	71.4
		22.47	8.56	97.18	94.01	2060	—	94.9	95.3
		25.15	9.65	95.00	91.82	2295	—	107.0	112.0
		27.98	10.92	92.46	89.28	2567	—	121.1	125.1
		32.14	12.70	88.90	85.72	2936	—	140.8	143.0
		36.61	14.22	85.85	82.68	3238	—	157.7	157.8
		18.75	6.88	100.53	97.36	1761	—	79.9	63.5
		20.09	7.37	99.57	96.39	1877	—	85.6	73.7

住友(SM)TM扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
114.3	110	22.47	8.56	97.18	94.01	2157	—	99.4	98.9
		25.15	9.65	95.00	91.82	2406	—	112.1	117.3
		27.98	10.92	92.46	89.28	2691	—	126.8	131.1
		32.14	12.70	88.90	85.72	3074	—	147.5	149.8
		36.61	14.22	85.85	82.68	3394	—	165.2	165.3
	125	18.75	6.88	100.53	97.36	2002	—	90.8	68.2
		20.09	7.37	99.57	96.39	2135	—	97.2	80.0
		22.47	8.56	97.18	94.01	2451	—	112.9	109.1
		25.15	9.65	95.00	91.82	2736	—	127.3	133.3
	125	27.98	10.92	92.46	89.28	3056	—	144.1	149.0
		32.14	12.70	88.90	85.72	3492	—	167.6	170.2
		36.61	14.22	85.85	82.68	3857	—	187.7	187.8
	140	18.75	6.88	100.53	97.36	2242	—	101.7	72.1
		20.09	7.37	99.57	96.39	2389	—	108.9	85.6
		22.47	8.56	97.18	94.01	2745	—	126.5	118.8
		25.15	9.65	95.00	91.82	3065	—	142.7	149.2
		27.98	10.92	92.46	89.28	3425	—	161.4	166.9
		32.14	12.70	88.90	85.72	3914	—	187.7	190.6
		36.61	14.22	85.85	82.68	4315	—	210.2	210.4
	150	18.75	6.88	100.53	97.36	2402	—	109.0	74.2
		20.09	7.37	99.57	96.39	2558	—	116.7	88.8
		22.47	8.56	97.18	94.01	2940	—	135.6	124.8
		25.15	9.65	95.00	91.82	3283	—	152.9	157.8
		27.98	10.92	92.46	89.28	3670	—	172.9	178.8
		32.14	12.70	88.90	85.72	4190	—	201.1	204.3
		36.61	14.22	85.85	82.68	4626	—	225.3	225.4

住友(SM)VAM ACE扣油管强度数据

外径	钢级	单重	壁厚	内径	通径	连接强度 KN		抗内压	抗挤强度
mm		kg/m	mm	mm	mm	接头	管体	MPa	MPa
60.3	55	6.85	4.83	50.67	48.29	320	—	53.1	55.8
		7.59	5.54	49.25	46.86	360	—	60.9	63.2
		8.63	6.45	47.42	45.03	414	—	70.9	72.5
		9.38	7.11	46.10	43.71	449	—	78.3	78.9
		10.86	8.53	43.26	40.87	525	—	93.9	92.1
	75	6.85	4.83	50.67	48.29	436	—	72.4	76.1
		7.59	5.54	49.25	46.86	494	—	83.1	86.2
		8.63	6.45	47.42	45.03	565	—	96.8	98.8
		9.38	7.11	46.10	43.71	614	—	106.7	107.6
		10.86	8.53	43.26	40.87	716	—	128.0	125.6
	80	6.85	4.83	50.67	48.29	463	—	77.2	81.2
		7.59	5.54	49.25	46.86	525	—	88.6	92.0
		8.63	6.45	47.42	45.03	601	—	103.2	105.4
		9.38	7.11	46.10	43.71	654	—	113.8	114.7
		10.86	8.53	43.26	40.87	765	—	136.6	134.0
	90	6.85	4.83	50.67	48.29	520	—	86.9	91.4
		7.59	5.54	49.25	46.86	592	—	99.7	103.5
		8.63	6.45	47.42	45.03	676	—	116.1	118.5
		9.38	7.11	46.10	43.71	738	—	128.0	129.1
		10.86	8.53	43.26	40.87	863	—	153.6	150.7
	95	6.85	4.83	50.67	48.29	552	—	91.7	96.4
		7.59	5.54	49.25	46.86	623	—	105.2	109.2
		8.63	6.45	47.42	45.03	716	—	122.6	125.1
60.3	95	9.38	7.11	46.10	43.71	778	—	135.1	136.2
		10.86	8.53	43.26	40.87	912	—	162.2	159.1
	105	6.85	4.83	50.67	48.29	609	—	101.4	106.6
		7.59	5.54	49.25	46.86	689	—	116.3	120.7
		8.63	6.45	47.42	45.03	792	—	135.5	138.3
		9.38	7.11	46.10	43.71	863	—	149.3	150.6
		10.86	8.53	43.26	40.87	1005	—	179.3	175.9
	110	6.85	4.83	50.67	48.29	636	—	106.2	111.2
		7.59	5.54	49.25	46.86	725	—	121.8	126.4
		8.63	6.45	47.42	45.03	827	—	142.0	144.9
		9.38	7.11	46.10	43.71	903	—	156.4	157.8
		10.86	8.53	43.26	40.87	1054	—	187.7	184.2
	125	6.85	4.83	50.67	48.29	725	—	120.7	123.4
		7.59	5.54	49.25	46.86	823	—	138.4	143.7
		8.63	6.45	47.42	45.03	943	—	161.3	164.6
		9.38	7.11	46.10	43.71	1023	—	177.8	179.3
		10.86	8.53	43.26	40.87	1197	—	213.4	209.3
	130	6.85	4.83	50.67	48.29	752	—	125.5	127.3
		7.59	5.54	49.25	46.86	854	—	144.0	149.4
		8.63	6.45	47.42	45.03	979	—	167.7	171.2
		9.38	7.11	46.10	43.71	1068	—	184.9	186.4
		10.86	8.53	43.26	40.87	1246	—	221.9	217.7
	140	6.85	4.83	50.67	48.29	810	—	135.1	135.1
60.3	140	7.59	5.54	49.25	46.86	921	—	155.1	160.9
		8.63	6.45	47.42	45.03	1054	—	180.6	184.4
		9.38	7.11	46.10	43.71	1148	—	199.1	200.8
		10.86	8.53	43.26	40.87	1339	—	239.0	234.5
	150	6.85	4.83	50.67	48.29	872	—	144.8	142.4
		7.59	5.54	49.25	46.86	988	—	166.1	172.4
		8.63	6.45	47.42	45.03	1130	—	193.5	197.5
		9.38	7.11	46.10	43.71	1228	—	213.4	215.1
		10.86	8.53	43.26	40.87	1437	—	256.1	251.2
	55	9.52	5.51	62.00	59.61	445	—	50.1	53.0
		11.46	7.01	59.00	56.62	552	—	63.7	65.8
		12.80	7.82	57.38	54.99	609	—	71.1	72.5
		14.58	9.19	54.64	52.25	698	—	83.6	83.5
		15.92	10.29	52.45	50.06	770	—	93.5	91.8
		9.52	5.51	62.00	59.61	605	—	68.3	72.2

住友(SM)VAM ACE扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
73.0	75	11.46	7.01	59.00	56.62	752	—	86.9	89.8
		12.80	7.82	57.38	54.99	827	—	96.9	98.9
		14.58	9.19	54.64	52.25	952	—	114.0	113.8
		15.92	10.29	52.45	50.06	1050	—	127.5	125.1
	80	9.52	5.51	62.00	59.61	645	—	72.9	77.0
		11.46	7.01	59.00	56.62	801	—	92.7	95.8
		12.80	7.82	57.38	54.99	885	—	103.4	105.5
		14.58	9.19	54.64	52.25	1019	—	121.6	121.4
73.0	80	15.92	10.29	52.45	50.06	1117	—	136.0	133.5
	90	9.52	5.51	62.00	59.61	725	—	82.0	85.4
		11.46	7.01	59.00	56.62	903	—	104.2	107.7
		12.80	7.82	57.38	54.99	992	—	116.3	118.7
		14.58	9.19	54.64	52.25	1143	—	136.7	136.6
		15.92	10.29	52.45	50.06	1259	—	153.0	150.2
	95	9.52	5.51	62.00	59.61	765	—	86.5	89.2
		11.46	7.01	59.00	56.62	952	—	110.0	113.7
		12.80	7.82	57.38	54.99	1050	—	122.8	125.3
		14.58	9.19	54.64	52.25	1205	—	144.3	144.2
		15.92	10.29	52.45	50.06	1330	—	161.5	158.5
	105	9.52	5.51	62.00	59.61	845	—	95.6	96.7
		11.46	7.01	59.00	56.62	1054	—	121.6	125.6
		12.80	7.82	57.38	54.99	1161	—	135.8	138.5
		14.58	9.19	54.64	52.25	1334	—	159.5	159.3
		15.92	10.29	52.45	50.06	1468	—	178.4	175.3
	110	9.52	5.51	62.00	59.61	885	—	100.2	100.3
		11.46	7.01	59.00	56.62	1103	—	127.4	131.6
		12.80	7.82	57.38	54.99	1214	—	142.2	145.1
		14.58	9.19	54.64	52.25	1397	—	167.1	166.9
		15.92	10.29	52.45	50.06	1539	—	187.0	183.6
	125	9.52	5.51	62.00	59.61	1010	—	113.8	110.8
		11.46	7.01	59.00	56.62	1254	—	144.8	149.6
73.0	125	12.80	7.82	57.38	54.99	1379	—	161.5	164.9
		14.58	9.19	54.64	52.25	1588	—	189.9	189.7
		15.92	10.29	52.45	50.06	1748	—	212.5	208.6
	130	9.52	5.51	62.00	59.61	1050	—	118.4	114.2
		11.46	7.01	59.00	56.62	1303	—	150.6	155.5
		12.80	7.82	57.38	54.99	1437	—	168.0	171.5
		14.58	9.19	54.64	52.25	1650	—	197.5	197.3
		15.92	10.29	52.45	50.06	1819	—	221.0	217.0
	140	9.52	5.51	62.00	59.61	1130	—	127.5	120.7
		11.46	7.01	59.00	56.62	1406	—	162.2	167.5
		12.80	7.82	57.38	54.99	1548	—	181.0	184.6
		14.58	9.19	54.64	52.25	1779	—	212.7	212.5
		15.92	10.29	52.45	50.06	1957	—	237.9	233.7
	150	9.52	5.51	62.00	59.61	1210	—	136.6	126.9
		11.46	7.01	59.00	56.62	1503	—	173.7	179.5
		12.80	7.82	57.38	54.99	1655	—	193.9	197.9
		14.58	9.19	54.64	52.25	1908	—	227.9	227.7
		15.92	10.29	52.45	50.06	2095	—	255.0	250.3
88.9	55	11.46	5.49	77.93	74.75	547	—	41.0	41.2
		13.69	6.45	76.00	72.82	632	—	48.1	51.0
		15.18	7.34	74.22	71.04	712	—	54.8	57.4
		18.90	9.52	69.85	66.68	899	—	71.1	72.5
		20.39	10.49	67.92	64.74	979	—	78.3	78.9
	55	21.88	11.43	66.04	62.86	1054	—	85.3	84.9
		23.51	12.09	64.72	61.54	1108	—	90.3	89.1
	75	11.46	5.49	77.93	74.75	743	—	55.8	51.8
		13.69	6.45	76.00	72.82	863	—	65.6	68.9
		15.18	7.34	74.22	71.04	974	—	74.7	78.3
		18.90	9.52	69.85	66.68	1228	—	96.9	98.9
		20.39	10.49	67.92	64.74	1334	—	106.8	107.6

住友(SM)VAM ACE扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		21.88	11.43	66.04	62.86	1437	—	116.3	115.9
		23.51	12.09	64.72	61.54	1508	—	123.1	121.6
		11.46	5.49	77.93	74.75	792	—	59.6	54.3
		13.69	6.45	76.00	72.82	921	—	70.1	72.7
88.9		15.18	7.34	74.22	71.04	1036	—	79.7	83.6
	80	18.90	9.52	69.85	66.68	1308	—	103.4	105.6
		20.39	10.49	67.92	64.74	1423	—	113.9	114.8
		21.88	11.43	66.04	62.86	1535	—	124.1	123.6
		23.51	12.09	64.72	61.54	1610	—	131.3	129.6
		11.46	5.49	77.93	74.75	894	—	67.0	58.9
		13.69	6.45	76.00	72.82	1036	—	78.8	79.8
		15.18	7.34	74.22	71.04	1165	—	89.6	94.0
	90	18.90	9.52	69.85	66.68	1472	—	116.4	118.7
		20.39	10.49	67.92	64.74	1601	—	128.2	129.1
		21.88	11.43	66.04	62.86	1726	—	139.6	139.1
		23.51	12.09	64.72	61.54	1810	—	147.7	145.8
		11.46	5.49	77.93	74.75	943	—	70.7	61.0
		13.69	6.45	76.00	72.82	1094	—	83.2	83.3
		15.18	7.34	74.22	71.04	1232	—	94.7	99.2
	95	18.90	9.52	69.85	66.68	1557	—	122.8	125.3
		20.39	10.49	67.92	64.74	1690	—	135.3	135.8
		21.88	11.43	66.04	62.86	1824	—	147.3	146.8
		23.51	12.09	64.72	61.54	1908	—	155.9	154.0
		11.46	5.49	77.93	74.75	1041	—	78.2	65.2
		13.69	6.45	76.00	72.82	1210	—	91.9	90.0
		15.18	7.34	74.22	71.04	1361	—	104.6	109.7
	105	18.90	9.52	69.85	66.68	1721	—	135.8	138.5
88.9		20.39	10.49	67.92	64.74	1873	—	149.5	150.7
		21.88	11.43	66.04	62.86	2015	—	162.9	162.2
		23.51	12.09	64.72	61.54	2113	—	172.3	170.2
		11.46	5.49	77.93	74.75	1090	—	81.9	67.1
		13.69	6.45	76.00	72.82	1268	—	96.3	93.3
		15.18	7.34	74.22	71.04	1428	—	109.6	114.9
	110	18.90	9.52	69.85	66.68	1802	—	142.2	145.1
		20.39	10.49	67.92	64.74	1962	—	156.6	157.9
		21.88	11.43	66.04	62.86	2108	—	170.6	170.0
		23.51	12.09	64.72	61.54	2211	—	180.5	178.2
	125	11.46	5.49	77.93	74.75	1241	—	93.1	72.4
		13.69	6.45	76.00	72.82	1441	—	109.4	102.7
		15.18	7.34	74.22	71.04	1619	—	124.5	130.6
		18.90	9.52	69.85	66.68	2046	—	161.6	164.9
	125	20.39	10.49	67.92	64.74	2229	—	178.0	179.4
		21.88	11.43	66.04	62.86	2398	—	193.9	193.1
		23.51	12.09	64.72	61.54	2513	—	205.1	202.6
		11.46	5.49	77.93	74.75	1290	—	96.8	74.0
		13.69	6.45	76.00	72.82	1499	—	113.8	105.7
		15.18	7.34	74.22	71.04	1686	—	129.5	134.9
	130	18.90	9.52	69.85	66.68	2131	—	168.1	171.5
		20.39	10.49	67.92	64.74	2318	—	185.1	186.6
		21.88	11.43	66.04	62.86	2495	—	201.7	200.8
88.9		23.51	12.09	64.72	61.54	2616	—	213.3	210.6
		11.46	5.49	77.93	74.75	1388	—	104.2	76.9
		13.69	6.45	76.00	72.82	1615	—	122.6	111.4
		15.18	7.34	74.22	71.04	1815	—	139.5	143.2
	140	18.90	9.52	69.85	66.68	2291	—	181.0	184.7
		20.39	10.49	67.92	64.74	2495	—	199.3	200.9
		21.88	11.43	66.04	62.86	2687	—	217.2	216.3
		23.51	12.09	64.72	61.54	2816	—	229.7	226.8
		11.46	5.49	77.93	74.75	1486	—	111.7	79.4
	150	13.69	6.45	76.00	72.82	1730	—	131.3	116.8
		15.18	7.34	74.22	71.04	1944	—	149.4	151.3

住友(SM)VAM ACE扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
		18.90	9.52	69.85	66.68	2455	—	193.9	197.9
88.9	150	20.39	10.49	67.92	64.74	2673	—	213.6	215.3
		21.88	11.43	66.04	62.86	2878	—	232.7	231.7
		23.51	12.09	64.72	61.54	3016	—	246.1	243.0
101.6	55	14.14	5.74	90.12	86.94	654	—	37.5	35.2
		16.22	6.65	88.29	85.12	752	—	43.4	45.4
		19.35	8.38	84.84	81.66	930	—	54.7	57.4
		22.02	9.65	82.30	79.12	1059	—	63.0	65.2
		24.55	10.92	79.76	76.58	1179	—	79.6	72.7
	75	14.14	5.74	90.12	86.94	894	—	51.2	43.6
		16.22	6.65	88.29	85.12	1028	—	59.3	57.8
		19.35	8.38	84.84	81.66	1268	—	74.7	78.3
		22.02	9.65	82.30	79.12	1441	—	86.0	88.9
		24.55	10.92	79.76	76.58	1610	—	108.6	99.2
	80	14.14	5.74	90.12	86.94	952	—	54.5	45.4
		16.22	6.65	88.29	85.12	1094	—	63.2	60.7
		19.35	8.38	84.84	81.66	1352	—	79.6	83.5
		22.02	9.65	82.30	79.12	1539	—	91.7	94.9
		24.55	10.92	79.76	76.58	1717	—	115.8	105.8
	90	14.14	5.74	90.12	86.94	1072	—	61.4	48.8
		16.22	6.65	88.29	85.12	1232	—	71.2	66.2
		19.35	8.38	84.84	81.66	1521	—	89.6	93.9
		22.02	9.65	82.30	79.12	1730	—	103.1	106.7
		24.55	10.92	79.76	76.58	1931	—	130.3	119.1
101.6	95	14.14	5.74	90.12	86.94	1134	—	64.7	50.4
		16.22	6.65	88.29	85.12	1299	—	75.1	68.8
		19.35	8.38	84.84	81.66	1606	—	94.6	99.1
		22.02	9.65	82.30	79.12	1824	—	108.9	112.7
		24.55	10.92	79.76	76.58	2037	—	137.6	125.7
	105	14.14	5.74	90.12	86.94	1250	—	71.6	53.2
		16.22	6.65	88.29	85.12	1437	—	83.0	73.8
		19.35	8.38	84.84	81.66	1779	—	104.5	109.6
		22.02	9.65	82.30	79.12	2019	—	120.4	124.5
		24.55	10.92	79.76	76.58	2251	—	152.0	138.9
	110	14.14	5.74	90.12	86.94	1312	—	75.0	54.5
		16.22	6.65	88.29	85.12	1503	—	86.9	76.3
		19.35	8.38	84.84	81.66	1864	—	109.5	114.8
		22.02	9.65	82.30	79.12	2113	—	126.1	130.4
		24.55	10.92	79.76	76.58	2358	—	159.3	145.5
	125	14.14	5.74	90.12	86.94	1490	—	85.2	57.8
		16.22	6.65	88.29	85.12	1713	—	98.8	82.9
		19.35	8.38	84.84	81.66	2117	—	124.5	130.4
		22.02	9.65	82.30	79.12	2402	—	143.3	148.2
		24.55	10.92	79.76	76.58	2682	—	181.0	165.4
	130	14.14	5.74	90.12	86.94	1548	—	88.6	58.7
		16.22	6.65	88.29	85.12	1779	—	102.7	85.0
		19.35	8.38	84.84	81.66	2202	—	129.4	134.7
101.6	130	22.02	9.65	82.30	79.12	2500	—	149.0	154.1
		24.55	10.92	79.76	76.58	2789	—	188.2	172.0
	140	14.14	5.74	90.12	86.94	1668	—	95.4	60.3
		16.22	6.65	88.29	85.12	1917	—	110.7	88.9
		19.35	8.38	84.84	81.66	2371	—	139.3	143.0
		22.02	9.65	82.30	79.12	2691	—	160.4	166.0
		24.55	10.92	79.76	76.58	3003	—	202.7	185.2
	150	14.14	5.74	90.12	86.94	1788	—	102.2	61.4
		16.22	6.65	88.29	85.12	2055	—	118.5	92.4
		19.35	8.38	84.84	81.66	2540	—	149.3	151.1
		22.02	9.65	82.30	79.12	2882	—	172.0	177.8
		24.55	10.92	79.76	76.58	3216	—	217.2	198.4
		15.63	5.69	102.92	99.75	734	—	33.0	27.6
		17.26	6.35	101.60	98.43	818	—	36.9	34.2

住友(SM)VAM ACE扣油管强度数据

外径 mm	钢　级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
114.3	55	18.75	6.88	100.53	97.36	881	—	40.0	39.5
		20.09	7.37	99.57	96.39	939	—	42.7	44.3
		22.47	8.56	97.18	94.01	1076	—	49.7	52.5
		25.15	9.65	95.00	91.82	1201	—	56.1	58.6
		26.34	10.21	93.88	90.70	1268	—	59.3	61.7
		27.98	10.92	92.46	89.28	1343	—	63.4	65.6
		32.14	12.70	88.90	85.72	1539	—	73.7	74.9
		36.61	14.22	85.85	82.68	1695	—	82.6	82.7
	75	15.63	5.69	102.92	99.75	1005	—	45.0	33.0
114.3	75	17.26	6.35	101.60	98.43	1112	—	50.3	42.1
		18.75	6.88	100.53	97.36	1201	—	54.5	49.4
		20.09	7.37	99.57	96.39	1281	—	58.3	56.1
		22.47	8.56	97.18	94.01	1472	—	67.8	71.6
		25.15	9.65	95.00	91.82	1641	—	76.4	80.0
		26.34	10.21	93.88	90.70	1726	—	80.8	84.1
		27.98	10.92	92.46	89.28	1833	—	86.5	89.4
		32.14	12.70	88.90	85.72	2095	—	100.5	102.1
		36.61	14.22	85.85	82.68	2313	—	112.6	112.7
	80	15.63	5.69	102.92	99.75	1072	—	48.1	34.1
		17.26	6.35	101.60	98.43	1188	—	53.6	43.8
		18.75	6.88	100.53	97.36	1281	—	58.1	51.7
		20.09	7.37	99.57	96.39	1366	—	62.2	58.9
		22.47	8.56	97.18	94.01	1570	—	72.3	76.4
		25.15	9.65	95.00	91.82	1748	—	81.5	85.3
		26.34	10.21	93.88	90.70	1842	—	86.3	89.8
		27.98	10.92	92.46	89.28	1957	—	92.3	95.4
		32.14	12.70	88.90	85.72	2237	—	107.3	108.9
		36.61	14.22	85.85	82.68	2469	—	120.1	120.2
	90	15.63	5.69	102.92	99.75	1205	—	54.1	35.9
		17.26	6.35	101.60	98.43	1339	—	60.3	47.0
		18.75	6.88	100.53	97.36	1441	—	65.4	56.0
		20.09	7.37	99.57	96.39	1535	—	70.0	64.1
114.3	90	22.47	8.56	97.18	94.01	1766	—	81.3	84.3
		25.15	9.65	95.00	91.82	1971	—	91.7	96.0
		26.34	10.21	93.88	90.70	2073	—	97.0	100.9
		27.98	10.92	92.46	89.28	2202	—	103.8	107.3
		32.14	12.70	88.90	85.72	2518	—	120.7	122.6
		36.61	14.22	85.85	82.68	2776	—	135.1	135.2
	95	15.63	5.69	102.92	99.75	1272	—	57.1	36.6
		17.26	6.35	101.60	98.43	1410	—	63.7	48.5
		18.75	6.88	100.53	97.36	1521	—	69.0	58.0
		20.09	7.37	99.57	96.39	1619	—	73.8	66.6
		22.47	8.56	97.18	94.01	1864	—	85.8	88.0
		25.15	9.65	95.00	91.82	2077	—	96.8	101.3
		26.34	10.21	93.88	90.70	2189	—	102.4	106.6
		27.98	10.92	92.46	89.28	2322	—	109.6	113.2
		32.14	12.70	88.90	85.72	2656	—	127.3	129.4
		36.61	14.22	85.85	82.68	2931	—	142.7	142.7
	105	15.63	5.69	102.92	99.75	1406	—	63.1	37.9
		17.26	6.35	101.60	98.43	1561	—	70.4	51.1
		18.75	6.88	100.53	97.36	1681	—	76.3	61.8
		20.09	7.37	99.57	96.39	1793	—	81.6	71.4
		22.47	8.56	97.18	94.01	2060	—	94.9	95.3
		25.15	9.65	95.00	91.82	2295	—	107.0	112.0
		26.34	10.21	93.88	90.70	2415	—	113.1	117.8
	105	27.98	10.92	92.46	89.28	2567	—	121.1	125.1
		32.14	12.70	88.90	85.72	2936	—	140.8	143.0
		36.61	14.22	85.85	82.68	3238	—	157.7	157.8
		15.63	5.69	102.92	99.75	1472	—	66.1	38.3
		17.26	6.35	101.60	98.43	1632	—	73.7	52.3
		18.75	6.88	100.53	97.36	1761	—	79.9	63.5

住友(SM)VAM ACE扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
114.3	110	20.09	7.37	99.57	96.39	1877	—	85.6	73.7
		22.47	8.56	97.18	94.01	2157	—	99.4	98.9
		25.15	9.65	95.00	91.82	2406	—	112.1	117.3
		26.34	10.21	93.88	90.70	2531	—	118.6	123.4
		27.98	10.92	92.46	89.28	2691	—	126.8	131.1
		32.14	12.70	88.90	85.72	3074	—	147.5	149.8
		36.61	14.22	85.85	82.68	3394	—	165.2	165.3
	125	15.63	5.69	102.92	99.75	1673	—	75.1	40.2
		17.26	6.35	101.60	98.43	1855	—	83.8	55.2
		18.75	6.88	100.53	97.36	2002	—	90.8	68.2
		20.09	7.37	99.57	96.39	2135	—	97.2	80.0
		22.47	8.56	97.18	94.01	2451	—	112.9	109.1
		25.15	9.65	95.00	91.82	2736	—	127.3	133.3
		26.34	10.21	93.88	90.70	2878	—	134.7	140.2
		27.98	10.92	92.46	89.28	3056	—	144.1	149.0
		32.14	12.70	88.90	85.72	3496	—	167.6	170.2
		36.61	14.22	85.85	82.68	3857	—	187.7	187.8
114.3	130	15.63	5.69	102.92	99.75	1739	—	78.0	40.9
		17.26	6.35	101.60	98.43	1931	—	87.1	56.0
		18.75	6.88	100.53	97.36	2082	—	94.5	69.6
		20.09	7.37	99.57	96.39	2220	—	101.1	81.9
		22.47	8.56	97.18	94.01	2549	—	117.5	112.5
		25.15	9.65	95.00	91.82	2842	—	132.4	138.6
		26.34	10.21	93.88	90.70	2994	—	140.1	145.8
		27.98	10.92	92.46	89.28	3180	—	149.9	154.9
		32.14	12.70	88.90	85.72	3634	—	174.3	177.1
		36.61	14.22	85.85	82.68	4008	—	195.2	195.3
	140	15.63	5.69	102.92	99.75	1873	—	84.1	42.1
		17.26	6.35	101.60	98.43	2077	—	93.8	57.2
		18.75	6.88	100.53	97.36	2242	—	101.7	72.1
		20.09	7.37	99.57	96.39	2389	—	108.9	85.6
		22.47	8.56	97.18	94.01	2745	—	126.5	118.8
		25.15	9.65	95.00	91.82	3065	—	142.7	149.2
		26.34	10.21	93.88	90.70	3225	—	150.9	157.1
		27.98	10.92	92.46	89.28	3425	—	161.4	166.9
		32.14	12.70	88.90	85.72	3914	—	187.7	190.6
		36.61	14.22	85.85	82.68	4315	—	210.2	210.4
	150	15.63	5.69	102.92	99.75	2006	—	90.1	43.1
		17.26	6.35	101.60	98.43	2229	—	100.5	58.1
		18.75	6.88	100.53	97.36	2402	—	109.0	74.2
114.3	150	20.09	7.37	99.57	96.39	2558	—	116.7	88.8
		22.47	8.56	97.18	94.01	2940	—	135.6	124.8
		25.15	9.65	95.00	91.82	3283	—	152.9	157.8
		26.34	10.21	93.88	90.70	3452	—	161.7	168.3
		27.98	10.92	92.46	89.28	3670	—	172.9	178.8
		32.14	12.70	88.90	85.72	4195	—	201.1	204.3
		36.61	14.22	85.85	82.68	4626	—	225.3	225.4

住友(SM) MINI VAM扣油管强度数据

外径 mm	钢级	单重 kg/m	壁厚 mm	内径 mm	通径 mm	连接强度 KN		抗内压 MPa	抗挤强度 MPa
						接头	管体		
48.3	55	4.11	3.68	40.89	—	196	—	—	—
		6.10	5.08	38.10	—	262	—	—	—
	75	4.11	3.68	40.89	—	267	—	—	—
		6.10	5.08	38.10	—	356	—	—	—
	80	4.11	3.68	40.89	—	285	—	—	—
		6.10	5.08	38.10	—	383	—	—	—
52.4	55	4.84	3.96	44.48	—	227	—	—	—
		6.70	5.71	40.97	—	316	—	—	—
	75	4.84	3.96	44.48	—	311	—	—	—
		6.70	5.71	40.97	—	431	—	—	—
	80	4.84	3.96	44.48	—	334	—	—	—
		6.70	5.71	40.97	—	463	—	—	—

住友(SM)特殊钢级油管强度数据

外径 mm	钢级	单重 kg/m		壁厚 mm	内径 mm	通径 mm	连接强度 K		管体抗拉强度 KN	抗内压 MPa		抗挤强度 MPa
		不加厚	加厚				不加厚	加厚		不加厚	加厚	
48.3	SM-80S	4.09	4.32	3.68	40.89	38.51	170	285	285	73.6	73.6	77.8
	SM-90S	4.09	4.32	3.68	40.89	38.51	191	320	320	82.9	82.9	87.0
	SM-95S	4.09	4.32	3.68	40.89	38.51	202	338	338	87.5	87.5	90.9
	SM-95G	4.09	4.32	3.68	40.89	38.51	202	338	338	87.5	87.5	90.9
	SM-125G	4.09	4.32	3.68	40.89	38.51	265	445	—	115.1	115.1	113.1
	SM-80L	4.09	4.32	3.68	40.89	38.51	170	285	285	73.6	73.6	77.8
	SM-95L	4.09	4.32	3.68	40.89	38.51	202	338	338	87.5	87.5	90.9
60.3	SM-80S	5.95	—	4.24	51.84	49.45	268	—	414	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	464	463	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	602	601	103.2	102.4	105.4
	SM-90S	5.95	—	4.24	51.84	49.45	302	—	463	76.3	—	75.4
		6.85	6.99	4.83	50.67	48.29	360	522	520	86.9	86.9	91.4
		8.63	8.85	6.45	47.42	45.03	515	678	676	116.1	115.2	118.5
	SM-95S	5.95	—	4.24	51.84	49.45	318	—	489	80.6	—	78.7
		6.85	6.99	4.83	50.67	48.29	380	551	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	544	715	716	122.6	121.6	125.1
	SM-85SS	5.95	—	4.24	51.84	49.45	285	—	436	72.1	—	72.1
		6.85	6.99	4.83	50.67	48.29	340	493	494	82.0	82.0	86.3
		8.63	8.85	6.45	42.85	45.03	487	640	676	109.7	108.8	112.0
	SM-90SS	5.95	—	4.24	51.84	49.45	302	—	463	76.3	—	75.4
		6.85	6.99	4.83	50.67	48.29	360	522	520	86.9	86.9	91.4
		8.63	8.85	6.45	47.42	45.03	515	678	676	116.1	115.2	118.5
	SM-95G	5.95	—	4.24	51.84	49.45	318	—	489	80.6	—	78.6
60.3	SM-95G	6.85	6.99	4.83	50.67	48.29	380	551	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	544	715	716	122.6	121.6	125.1
	SM-125G	5.95	—	4.24	51.84	49.45	419	—	—	106.0	—	96.4
		6.85	6.99	4.83	50.67	48.29	500	725	725	120.7	120.7	123.5
		8.63	8.85	6.45	47.42	45.03	716	941	943	161.3	160.1	164.6
	SM-140G	5.95	—	4.24	51.84	49.45	469	—	—	118.8	—	104.2
		6.85	6.99	4.83	50.67	48.29	560	812	814	135.1	135.1	135.0
		8.63	8.85	6.45	47.42	45.03	802	1054	1054	179.3	179.3	184.4
	SM-80L	5.95	—	4.24	51.84	49.45	268	—	414	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	464	463	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	602	601	103.2	102.4	105.4
	SM-95L	5.95	—	4.24	51.84	49.45	302	—	489	76.3	—	75.4
		6.85	6.99	4.83	50.67	48.29	380	551	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	544	715	716	122.6	121.6	125.1
	SM-105L	6.85	6.99	4.83	50.67	48.29	420	609	609	101.4	101.4	106.6
		8.63	8.85	6.45	47.42	45.03	601	790	792	134.4	134.4	138.3
73.0	SM-80S	9.52	9.67	5.51	62.00	59.61	470	645	645	72.9	72.9	77.0
		12.80	12.95	7.82	57.38	54.99	709	884	885	103.4	103.1	105.5
	SM-90S	9.52	9.67	5.51	62.00	59.61	528	725	725	82.0	82.0	85.4
		12.80	12.95	7.82	57.38	54.99	797	994	996	116.3	116.0	118.7
	SM-95S	9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
	SM-85SS	9.52	9.67	5.51	62.00	59.61	499	685	685	77.4	77.4	81.5
73.0	SM-85SS	12.80	12.95	7.82	57.38	54.99	753	939	939	109.9	109.5	112.1
	SM-90SS	9.52	9.67	5.51	62.00	59.61	528	725	725	82.0	82.0	85.4
		12.80	12.95	7.82	57.38	54.99	797	994	996	116.3	116.0	118.7
	SM-95G	9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
	SM-125G	9.52	9.67	5.51	62.00	59.61	734	1008	1010	113.8	113.8	110.9
		12.80	12.95	7.82	57.38	54.99	1107	1381	1379	161.5	160.9	164.9
	SM-140G	9.52	9.67	5.51	62.00	59.61	822	1128	1130	127.5	127.5	120.6
		12.80	12.95	7.82	57.38	54.99	1240	1547	1548	181.0	180.4	184.6
	SM-80L	9.52	9.67	5.51	62.00	59.61	470	645	645	72.9	72.9	77.0
		12.80	12.95	7.82	57.38	54.99	709	884	885	103.4	103.1	105.5
	SM-95L	9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
	SM-105L	9.52	9.67	5.51	62.00	59.61	616	846	845	95.6	95.6	96.7
		12.80	12.95	7.82	57.38	54.99	930	1160	1161	135.8	135.3	138.5

住友(SM)特殊钢级油管强度数据

外径	钢级	单重 kg/m		壁厚	内径	通径	连接强度 K		管体抗拉	抗内压 MPa		抗挤强度
mm		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
88.9	SM-80S	11.46	—	5.49	77.93	74.75	579	—	792	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	708	922	921	70.1	70.1	72.7
		15.18	—	7.34	74.22	71.04	823	—	1036	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1096	1310	1312	103.4	103.4	105.6
	SM-90S	11.46	—	5.49	77.93	74.75	651	—	894	67.0	—	58.9
		13.69	13.84	6.45	76.00	72.82	796	1037	1036	78.8	78.8	79.8
		15.18	—	7.34	74.22	71.04	926	—	1165	89.7	—	94.0
		18.90	19.27	9.52	69.85	66.68	1233	1474	1472	116.4	116.4	118.7
88.9	SM-95S	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	SM-85SS	11.46	—	5.49	77.93	74.75	615	—	841	63.3	—	56.5
		13.69	13.84	6.45	76.00	72.82	752	979	979	74.5	74.5	76.2
		15.18	—	7.34	74.22	71.04	875	—	1103	84.7		88.8
		18.90	19.27	9.52	69.85	66.68	1165	1392	1392	109.9	109.9	112.1
	SM-90SS	11.46	—	5.49	77.93	74.75	651	—	894	67.0	—	58.9
		13.69	13.84	6.45	76.00	72.82	796	1037	1036	78.8	78.8	79.8
		15.18	—	7.34	74.22	71.04	926	—	1165	89.7	—	94.0
		18.90	19.27	9.52	69.85	66.68	1233	1474	1472	116.4	116.4	118.7
	SM-95G	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	SM-125G	11.46	—	5.49	77.93	74.75	905	—	1241	93.1	—	72.4
		13.69	13.84	6.45	76.00	72.82	1106	1440	1441	109.5	109.5	102.7
		15.18	—	7.34	74.22	71.04	1286	—	1619	124.5	—	130.6
		18.90	19.27	9.52	69.85	66.68	1713	2047	2046	161.6	161.6	164.9
	SM-140G	11.46	—	5.49	77.93	74.75	1013	—	1388	104.2	—	76.8
		13.69	13.84	6.45	76.00	72.82	1238	1613	1615	122.6	122.6	111.4
		15.18	—	7.34	74.22	71.04	1441	—	1815	139.5	—	143.2
88.9	SM-140G	18.90	19.27	9.52	69.85	66.68	1918	2293	2291	181.0	181.0	184.7
	SM-80L	11.46	—	5.49	77.93	74.75	579	—	792	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	708	922	921	70.1	70.1	72.7
		15.18	—	7.34	74.22	71.04	823	—	1036	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1096	1310	1312	103.4	103.4	105.6
	SM-95L	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	SM-105L	13.69	13.84	6.45	76.00	72.82	929	1210	1210	92.0	92.0	90.0
		18.90	19.27	9.52	69.85	66.68	1439	1720	1721	135.8	135.8	138.5
101.6	SM-80S	14.14	—	5.74	90.12	86.94	641	—	952	54.5	—	45.4
		—	16.37	6.65	88.29	85.12	—	1095	1094	63.2	63.2	60.7
	SM-90S	14.14	—	5.74	90.12	86.94	721	—	1072	61.4	—	48.8
		—	16.37	6.65	88.29	85.12	—	1232	1232	71.2	71.2	66.1
	SM-95S	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		—	16.37	6.65	88.29	85.12	—	1300	1299	75.1	75.1	68.8
	SM-85SS	14.14	—	5.74	90.12	86.94	681	—	1014	57.9	—	47.1
		—	16.37	6.65	88.29	85.12	—	1163	1165	67.2	67.2	63.4
	SM-90SS	14.14	—	5.74	90.12	86.94	721	—	1072	61.4	—	48.8
		—	16.37	6.65	88.29	85.12	—	1232	1232	71.2	71.2	66.1
	SM-95G	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.3
		—	16.37	6.65	88.29	85.12	—	1300	1299	75.1	75.1	68.8
101.6	SM-125G	14.14	—	5.74	90.12	86.94	1001	—	1490	85.2	—	57.9
		—	16.37	6.65	88.29	85.12	—	1711	1713	98.8	98.8	83.0
	SM-140G	14.14	—	5.74	90.12	86.94	1121	—	1668	95.4	—	60.2
		—	16.37	6.65	88.29	85.12	—	1916	1917	110.7	110.7	88.9
	SM-80L	14.14	—	5.74	90.12	86.94	641	—	952	54.5	—	45.4
		—	16.37	6.65	88.29	85.12	—	1095	1094	63.2	63.2	60.7
	SM-95L	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.3

住友(SM)特殊钢级油管强度数据

外径 mm	钢级	单重 kg/m		壁厚 mm	内径 mm	通径 mm	连接强度 KN		管体抗拉强度 KN	抗内压 MPa		抗挤强度 MPa
		不加厚	加厚				不加厚	加厚		不加厚	加厚	
	[illegible]	—	16.37	6.65	88.29	85.12	—	1300	1299	75.1	75.1	68.8
	SM-105L	14.14	—	5.74	90.12	86.94	841	—	1250	71.6	—	53.2
		—	16.37	6.65	88.29	85.12	—	1437	1437	83.0	83.0	73.8
114.3	SM-80S	18.75	18.97	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	SM-90S	18.75	18.97	6.88	100.53	97.36	1045	1441	1441	65.4	65.4	56.0
	SM-95S	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
	SM-85SS	18.75	18.97	6.88	100.53	97.36	987	1361	1361	61.8	61.8	53.8
	SM-90SS	18.75	18.97	6.88	100.53	97.36	1045	1441	1441	65.4	65.4	56.0
	SM-95G	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
	SM-125G	18.75	18.97	6.88	100.53	97.36	1451	2002	2002	90.8	90.8	68.3
	SM-140G	18.75	18.97	6.88	100.53	97.36	1625	2242	2242	101.7	101.7	72.1
	SM-80L	18.75	18.97	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	SM-95L	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
	SM-105L	18.75	18.97	6.88	100.53	97.36	1219	1682	1681	76.3	76.3	61.8

API油管强度数据

外径	钢级	单重 kg/m			壁厚	内径	通径	连接强度 K		管体抗拉	抗内压 MP		抗挤强度
mm		不加厚	加厚	整体接头	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
26.7	H-40	1.70	1.79	—	2.87	20.93	18.54	28	59	59	—	—	53.0
	J-55	1.70	1.79	—	2.87	20.93	18.54	39	81	81	—	—	72.8
	C-75	1.70	1.79	—	2.87	20.93	18.54	53	111	111	—	—	99.4
	L-80	1.70	1.79	—	2.87	20.93	18.54	57	118	118	—	—	106.0
	N-80	1.70	1.79	—	2.87	20.93	18.54	57	118	118	—	—	106.0
	C-90	1.70	1.79	—	2.87	20.93	18.54	62	133	133	—	—	119.2
33.4	H-40	2.53	2.68	2.56	3.38	26.64	24.26	49	88	88	—	—	50.1
	J-55	2.53	2.68	2.56	3.38	26.64	24.26	67	121	121	—	—	68.9
	C-75	2.53	2.68	2.56	3.38	26.64	24.26	91	165	165	—	—	94.0
	L-80	2.53	2.68	2.56	3.38	26.64	24.26	97	176	176	—	—	100.3
	N-80	2.53	2.68	2.56	3.38	26.64	24.26	97	176	176	—	—	100.3
	C-90	2.53	2.68	2.56	3.38	26.64	24.26	111	196	196	—	—	112.8
42.2	H-40	—	—	3.13	3.18	35.81	—	—	—	—	—	—	38.4
		3.42	3.57	3.47	3.56	35.05	32.66	69	119	119	—	—	42.6
	J-55	—	—	3.13	3.18	35.81	—	—	—	—	—	—	52.8
		3.42	3.57	3.47	3.56	35.05	32.66	95	164	164	—	—	58.5
	C-75	3.42	3.57	3.47	3.56	35.05	32.66	130	223	223	—	—	79.8
	L-80	3.42	3.57	3.47	3.56	35.05	32.66	138	238	238	—	—	85.2
	N-80	3.42	3.57	3.47	3.56	35.05	32.66	138	238	238	—	—	85.2
	C-90	3.42	3.57	3.47	3.56	35.05	32.66	156	267	267	—	—	95.8
48.3	H-40	—	—	3.57	3.18	41.91	—	—	—	—	—	—	33.9
		4.09	4.32	4.11	3.68	40.89	38.51	85	142	142	—	—	38.9
	J-55	—	—	3.57	3.18	41.91	—	—	—	—	—	—	38.9
48.3	J-55	4.09	4.32	4.11	3.68	40.89	38.51	117	196	196	—	—	53.4
	C-75	4.09	4.32	4.11	3.68	40.89	38.51	159	267	267	—	—	72.9
	L-80	4.09	4.32	4.11	3.68	40.89	38.51	170	285	285	—	—	77.8
	N-80	4.09	4.32	4.11	3.68	40.89	38.51	170	285	285	—	—	77.8
	C-90	4.09	4.32	4.11	3.68	40.89	38.51	191	320	320	—	—	87.0
52.4	H-40	—	—	4.84	3.96	44.48	—	—	—	—	36.5	—	38.5
	J-55	—	—	4.84	3.96	44.48	—	—	—	—	50.2	—	53.0
	C-75	—	—	4.84	3.96	44.48	—	—	—	—	68.4	—	72.3
	L-80	—	—	4.84	3.96	44.48	—	—	—	—	73.0	—	77.1
	N-80	—	—	4.84	3.96	44.48	—	—	—	—	73.0	—	77.1
	C-90	—	—	4.84	3.96	44.48	—	—	—	—	82.1	—	85.6
60.3	H-40	5.95	—	—	4.24	51.84	49.45	134	—	—	33.9	—	36.1
		6.85	6.99	—	4.83	50.67	49.81	160	232	232	38.6	38.6	40.6
	J-55	5.95	—	—	4.24	51.84	49.45	184	—	—	46.7	—	49.6
		6.85	6.99	—	4.83	50.67	48.29	220	319	319	53.1	53.1	55.8
	C-75	5.95	—	—	4.24	51.84	49.45	251	—	—	63.6	—	65.6
		6.85	6.99	—	4.83	50.67	48.29	300	435	435	72.4	72.4	76.1
		8.63	8.85	—	6.45	47.42	45.03	430	564	564	96.8	96.3	98.8
	L-80	5.95	—	—	4.24	—	49.45	268	—	—	67.8	—	68.8
		6.85	6.99	—	4.83	50.67	48.29	320	464	464	77.2	77.2	81.2
		8.63	8.85	—	6.45	47.42	45.03	458	602	602	103.2	102.7	105.4
	N-80	5.95	—	—	4.24	51.84	49.45	268	—	—	67.8	—	68.8
		6.85	6.99	—	4.83	50.67	48.29	320	464	464	77.2	77.2	81.2
	N-80	8.63	8.85	—	6.45	47.42	45.03	458	602	602	103.2	102.7	105.4
60.3	C-90	5.95		—	4.24	51.84	49.45	302	—	—	76.3	—	75.4
		6.85	6.99	—	4.83	50.67	48.29	360	520	520	86.9	86.9	91.4
		8.63	8.85	—	6.45	47.42	45.03	516	676	676	116.1	115.2	118.5
	P-105	6.85	6.99	—	4.83	50.67	48.29	420	609	609	101.4	101.4	106.6
		8.63	8.85	—	6.45	47.42	45.03	601	790	790	135.5	134.7	138.3
73.0	H-40	9.52	9.67	—	5.51	62.00	59.61	235	325	325	36.4	36.4	38.5
	J-55	9.52	9.67	—	5.51	62.00	59.61	323	443	443	50.1	49.6	53.0
	C-75	9.52	9.67	—	5.51	62.00	59.61	440	605	605	68.3	68.3	72.2
		11.61	11.76	—	7.01	59.00	56.62	588	752	752	86.9	86.9	89.8
		12.80	12.95	—	7.82	57.38	54.99	665	829	829	96.9	96.6	98.9
	L-80	9.52	9.67	—	5.51	62.00	59.61	473	645	645	72.9	72.9	76.9
		11.61	11.76	—	7.01	59.00	56.62	627	802	802	92.7	92.7	95.8
		12.80	12.95	—	7.82	57.38	54.99	709	884	884	103.4	103.0	105.5
	N-80	9.52	9.67	—	5.51	62.00	59.61	473	645	645	72.9	72.9	76.9
		11.61	11.76	—	7.01	59.00	56.62	627	802	802	92.7	92.7	95.8
		12.80	12.95	—	7.82	57.38	54.99	709	884	884	103.4	103.0	105.5
		9.52	9.67	—	5.51	62.00	59.61	528	726	726	82.0	82.0	85.4

API油管强度数据

外径 mm	钢级	单重 kg/m			壁厚 mm	内径 mm	通径 mm	连接强度 K		管体抗拉强度 KN	抗内压 MP		抗挤强度 MPa
		不加厚	加厚	整体接头				不加厚	加厚		不加厚	加厚	
	C-90	11.61	11.76	—	7.01	59.00	56.62	705	902	902	104.2	104.2	107.7
		12.80	12.95	—	7.82	57.38	54.99	797	994	994	116.3	116.3	118.7
	P-105	9.52	9.67	—	5.51	62.00	59.61	621	846	846	95.6	95.6	96.6
		11.61	11.76	—	7.01	59.00	56.62	822	1052	1052	121.6	121.6	125.6
		12.80	12.95	—	7.82	57.38	54.99	930	1160	1160	135.8	135.2	138.5
88.9	H-40	11.46	—	—	5.49	77.93	74.75	290	—	—	29.8	—	31.9
		13.69	13.84	—	6.45	76.00	72.82	354	461	461	35.0	35.0	37.1
		15.18	—	—	7.34	76.00	71.04	412	—	—	39.9	—	41.8
	J-55	11.46	—	—	5.49	77.93	74.75	398	—	—	41.0	—	41.2
		13.69	13.84	—	6.45	76.00	72.82	487	634	634	48.2	48.2	51.0
		15.18	—	—	7.34	76.00	71.04	566	—	—	54.8	—	57.4
	C-75	11.46	—	—	5.49	77.93	74.75	543	—	—	55.8	—	52.0
		13.69	13.84	—	6.45	76.00	72.82	663	864	864	65.7	65.7	69.2
		15.18	—	—	7.34	76.00	71.04	772	—	—	74.7	—	78.3
		18.90	19.27	—	9.52	69.85	66.68	1028	1228	1228	96.9	96.9	98.9
	L-80	11.46	—	—	5.49	77.93	74.75	579	—	—	59.6	—	54.3
		13.69	13.84	—	6.45	76.00	72.82	708	922	922	70.1	70.1	72.6
		15.18	—	—	7.34	76.00	71.04	823	—	—	79.7	—	83.6
		18.90	19.27	—	9.52	69.85	66.68	1096	1310	1310	103.4	103.4	105.6
	N-80	11.46	—	—	5.49	77.93	74.75	579	—	—	59.6	—	54.3
		13.69	13.84	—	6.45	76.00	72.82	708	922	922	70.1	70.1	72.6
		15.18	—	—	7.34	76.00	71.04	823	—	—	79.7	—	83.6
		18.90	19.27	—	9.52	69.85	66.68	1096	1310	1310	103.4	103.4	105.6
	C-90	11.46	—	—	5.49	77.93	74.75	651	—	—	67.0	—	58.9
		13.69	13.84	—	6.45	76.00	72.82	796	1037	1037	78.8	78.8	79.8
		15.18	—	—	7.34	76.00	71.04	926	—	—	89.6	—	94.0
		18.90	19.27	—	9.52	69.85	66.68	1233	1474	1474	116.4	116.4	118.7
		20.98	—	—	10.92	—	—	—	—	—	—	—	—
88.9	P-105	13.69	13.84	—	6.45	76.00	72.82	929	1210	1210	92.0	92.0	90.0
		18.90	19.27	—	9.52	69.85	66.68	1439	1720	1720	135.8	135.8	138.5
101.6	H-40	14.14	—	—	5.74	90.12	86.94	320	—	—	27.3	—	28.0
		—	16.37	—	6.65	88.29	85.12	—	548	548	31.6	31.6	33.8
	J-55	14.14	—	—	5.74	90.12	86.94	440	—	—	37.5	—	35.2
		—	16.37	—	6.65	88.29	85.12	—	753	753	43.4	43.4	45.4
	C-75	14.14	—	—	5.74	90.12	86.94	601	—	—	51.2	—	43.8
		—	16.37	—	6.65	88.29	85.12	—	1027	1027	59.3	59.3	58.0
	L-80	14.14	—	—	5.74	90.12	86.94	641	—	—	54.5	—	45.4
		—	16.37	—	6.65	88.29	85.12	—	1095	1095	63.2	63.2	60.7
	N-80	14.14	—	—	5.74	90.12	86.94	641	—	—	54.5	—	45.4
		—	16.37	—	6.65	88.29	85.12	—	1095	1095	63.2	63.2	60.7
	C-90	14.14	—	—	5.74	90.12	86.94	721	—	—	61.4	—	48.8
		—	16.37	—	6.65	88.29	85.12	—	1232	1232	71.2	71.2	66.2
114.3	H-40	18.75	18.97	—	6.88	100.53	97.36	464	641	641	29.1	29.1	31.0
	J-55	18.75	18.97	—	6.88	100.53	97.36	638	881	881	40.0	40.0	39.4
	C-75	18.75	18.97	—	6.88	100.53	97.36	871	1201	1201	54.5	54.5	49.6
	L-80	18.75	18.97	—	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	N-80	18.75	18.97	—	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	C-90	18.75	18.97	—	6.88	100.53	97.36	1044	1441	1441	65.4	65.4	56.0
		36.61	—	—	14.22	—	—	872	—	—	135.1	—	135.2

国产上海宝钢油管强度数据

外径	钢　级	单重 kg/m		壁厚	内径	通径	连接强度 KN		管体抗拉	抗内压 MPa		抗挤强度
mm		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
60.3	J-55	5.95	—	4.24	51.84	49.45	184	—	—	46.7	—	49.6
		6.85	6.99	4.83	50.67	48.29	220	319	319	53.1	53.1	55.8
	L-80	5.95	—	4.24	51.84	49.45	268	—	—	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	464	464	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	602	602	103.2	102.7	105.4
	N-80	5.95	—	4.24	51.84	49.45	268	—	—	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	464	464	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	602	602	103.2	102.7	105.4
	C-90	5.95	—	4.24	51.84	49.45	302	—	—	76.3	—	75.4
		6.85	7.07	4.83	50.67	48.29	360	520	520	86.9	86.9	91.4
		8.63	8.85	6.45	47.42	44.02	516	676	676	116.1	115.2	118.5
	P-110	6.85	6.99	4.83	50.67	48.29	—	—	—	—	—	—
		8.63	8.85	6.45	47.42	44.02	—	—	—	—	—	—
73.0	J-55	9.52	9.67	5.51	62.00	59.61	323	443	443	50.1	49.6	53.0
	L-80	9.52	9.67	5.51	62.00	59.61	470	645	645	72.9	72.9	76.9
		11.61	11.76	7.01	59.00	56.62	627	802	802	92.7	92.7	95.8
		12.80	12.95	7.82	57.38	54.99	709	884	884	103.4	103.0	105.5
	N-80	9.52	9.67	5.51	62.00	59.61	470	645	645	72.9	72.9	76.9
		11.61	11.76	7.01	59.00	56.62	627	802	802	92.7	92.7	95.8
		12.80	12.95	7.82	57.38	54.99	709	884	884	103.4	103.0	105.5
	C-90	9.52	9.67	5.51	62.00	59.61	528	726	726	82.0	82.0	85.4
		11.61	11.76	7.01	59.00	56.62	705	902	902	104.2	104.2	107.7
		12.80	12.95	7.82	57.38	54.99	797	994	994	116.3	116.3	118.7
73.0	P-110	9.52	9.67	5.51	62.00	59.61	—	—	—	—	—	—
		11.61	11.76	7.01	59.00	56.62	—	—	—	—	—	—
88.9	J-55	11.46	—	5.49	77.93	74.85	398	—	—	41.0	—	41.2
		13.69	13.84	6.45	76.00	72.82	487	634	634	48.2	48.2	51.0
		15.18	—	7.34	74.22	71.04	566	—	—	54.8	—	57.4
	L-80	11.46	—	5.49	77.93	74.75	579		—	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	708	922	922	70.1	70.1	72.6
		15.18	—	7.34	74.22	71.04	823	—	—	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1096	1310	1310	103.4	103.4	105.6
	N-80	11.46	—	5.49	77.93	74.75	579	—	—	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	708	922	922	70.1	70.1	72.6
		15.18	—	7.34	74.22	71.04	823	—	—	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1096	1310	1310	103.4	103.4	105.6
	C-90	11.46	—	5.49	77.93	74.75	651	—	—	67.0	—	58.9
		13.69	13.84	6.45	76.00	72.82	796	1037	1037	78.8	78.8	79.8
		15.18	—	7.34	74.22	71.04	926	—	—	89.6	—	94.0
		18.90	19.27	9.52	69.85	66.68	1233	1474	1474	116.4	116.4	118.7
	P-110	13.69	13.84	6.45	76.00	72.82	—	—	—	—	—	—
		18.90	19.27	9.52	69.85	66.68	—	—	—	—	—	—
114.3	J-55	18.75	18.97	6.88	100.53	97.36	638	881	881	40.0	40.0	39.4
	L-80	18.75	18.97	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	N-80	18.75	18.97	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	C-90	18.75	18.97	6.88	100.53	97.36	1044	1441	1441	65.4	65.4	56.0

川崎(KO)特殊钢级油管强度数据

外径	钢　级	单重 kg/m		壁厚	内径	通径	连接强度 KN		管体抗拉	抗内压 MPa		抗挤强度
mm		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
48.3	KO-80S	4.09	—	3.68	40.89	38.51	170	—	285	73.6	—	77.8
	KO-90S	4.09	—	3.68	40.89	38.51	191	—	320	82.9	—	87.0
	KO-95S	4.09	—	3.68	40.89	38.51	202	—	338	87.5	—	90.8
	KO-80L	4.09	—	3.68	40.89	38.51	170	—	285	73.6	—	77.8
	KO-95L	4.09	—	3.68	40.89	38.51	202	—	338	87.5	—	90.8
	KO-85SS	4.09	—	3.68	40.89	38.51	182	—	302	78.3	—	82.6
	KO-90SS	4.09	—	3.68	40.89	38.51	191	—	320	82.9	—	87.0
	KO-95SS	4.09	—	3.68	40.89	38.51	202	—	338	87.5	—	90.8
	T-95	4.09	—	3.68	40.89	38.51	202	—	338	87.5	—	90.8
60.3	KO-80S	5.95	—	4.24	51.84	49.45	268	—	414	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	464	463	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	602	601	103.2	102.4	105.4
	KO-90S	5.95	—	4.24	51.84	49.45	302	—	489	76.3	—	78.6
		6.85	6.99	4.83	50.67	48.29	360	522	552	86.9	86.9	96.4
		8.63	8.85	6.45	47.42	45.03	515	678	716	116.1	115.2	125.1
	KO-95S	5.95	—	4.24	51.84	49.45	318	—	489	80.6	—	78.6
		6.85	6.99	4.83	50.67	48.29	380	551	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	544	715	716	122.6	121.6	125.1
	KO-80L	5.95	—	4.24	51.84	49.45	268	—	414	67.8	—	68.8
		6.85	6.99	4.83	50.67	48.29	320	464	463	77.2	77.2	81.2
		8.63	8.85	6.45	47.42	45.03	458	602	641	103.2	102.4	112.0
	KO-95L	5.95	—	4.24	51.84	49.45	318	—	489	80.6	—	78.6
		6.85	6.99	4.83	50.67	48.29	380	551	552	91.7	91.7	96.4
60.3	KO-95L	8.63	8.85	6.45	47.42	45.03	544	715	716	122.6	121.6	125.1
	KO-110L	6.85	6.99	4.83	50.67	48.29	440	638	636	106.2	106.2	111.1
		8.63	8.85	6.45	47.42	45.03	630	828	827	142.0	140.9	144.9
	KO-125L	6.85	6.99	4.83	50.67	48.29	500	725	725	120.7	120.7	123.5
		8.63	8.85	6.45	47.42	45.03	716	941	943	161.3	160.1	164.6
	KO-85SS	5.95	—	4.24	51.84	49.45	285	—	436	72.1	—	72.1
		6.85	6.99	4.83	50.67	48.29	340	493	494	82.0	82.0	86.3
		8.63	8.85	6.45	47.42	45.03	487	640	676	109.7	108.8	118.5
	KO-90SS	5.95	—	4.24	51.84	49.45	302	—	463	76.3	—	75.4
		6.85	6.99	4.83	50.67	48.29	360	522	520	86.9	86.9	91.4
		8.63	8.85	6.45	47.42	45.03	515	678	676	116.1	115.2	118.5
	KO-95SS	5.95	—	4.24	51.84	49.45	318	—	489	80.6	—	78.6
		6.85	6.99	4.83	50.67	48.29	380	551	552	91.7	91.7	96.4
		8.63	8.85	6.45	47.42	45.03	544	715	716	122.6	121.6	125.1
	KO-125V	6.85	6.99	4.83	50.67	48.29	500	725	725	120.7	120.7	123.5
		8.63	8.85	6.45	47.42	45.03	716	941	943	161.3	160.1	164.6
	T-95	5.95	—	4.24	51.84	49.45	318	—	463	80.6	—	75.4
		6.85	6.99	4.83	50.67	48.29	380	551	520	91.7	91.7	91.4
		8.63	8.85	6.45	47.42	45.03	544	715	676	122.6	121.6	118.5
73.0	KO-80S	9.52	9.67	5.51	62.00	59.61	470	645	645	72.9	72.9	77.0
		11.61	11.76	7.01	59.00	56.62	627	802	801	92.7	92.7	95.8
		12.80	12.95	7.82	57.38	54.99	709	884	885	103.4	103.1	105.5
	KO-90S	9.52	9.67	5.51	62.00	59.61	528	725	725	82.0	82.0	85.4
	KO-90S	11.61	11.76	7.01	59.00	56.62	705	902	903	104.2	104.2	107.7
		12.80	12.95	7.82	57.38	54.99	797	994	996	116.3	116.0	118.7
	KO-95S	9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2
		11.61	11.76	7.01	59.00	56.62	744	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
	KO-80L	9.52	9.67	5.51	62.00	59.61	470	645	645	72.9	72.9	77.0
		11.61	11.76	7.01	59.00	56.62	627	802	801	92.7	92.7	95.8
		12.80	12.95	7.82	57.38	54.99	709	884	885	103.4	103.1	105.5
		9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2

川崎(KO)特殊钢级油管强度数据

外径 mm	钢　级	单重 kg/m		壁厚	内径	通径	连接强度 KN		管体抗拉	抗内压 MPa		抗挤强度
		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
73.0	KO-95L	11.61	11.76	7.01	59.00	56.62	744	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
	KO-110L	9.52	9.67	5.51	62.00	59.61	646	887	885	100.2	100.2	100.2
		11.61	11.76	7.01	59.00	56.62	862	1103	1103	127.4	127.4	131.6
		12.80	12.95	7.82	57.38	54.99	975	1215	1214	142.2	183.0	145.1
	KO-125L	9.52	9.67	5.51	62.00	59.61	734	1008	1010	113.8	113.8	110.9
		11.61	11.76	7.01	59.00	56.62	979	1253	1254	144.8	144.8	149.6
		12.80	12.95	7.82	57.38	54.99	1107	1381	1379	161.5	160.9	164.9
	KO-85SS	9.52	9.67	5.51	62.00	59.61	499	685	685	77.4	77.4	81.5
		11.61	11.76	7.01	59.00	56.62	666	852	854	98.5	98.5	101.7
		12.80	12.95	7.82	57.38	54.99	753	939	939	109.9	109.5	112.1
	KO-90SS	9.52	9.67	5.51	62.00	59.61	528	725	725	82.0	82.0	85.4
		11.61	11.76	7.01	59.00	56.62	705	902	903	104.2	104.2	107.7
		12.80	12.95	7.82	57.38	54.99	797	994	996	116.3	116.0	118.7
73.0	KO-95SS	9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2
		11.61	11.76	7.01	59.00	56.62	744	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
	KO-125V	9.52	9.67	5.51	62.00	59.61	734	1008	1010	113.8	113.8	110.9
		11.61	11.76	7.01	59.00	56.62	979	1253	1254	144.8	144.8	149.6
		12.80	12.95	7.82	57.38	54.99	1107	1381	1379	161.5	160.9	164.9
	T-95	9.52	9.67	5.51	62.00	59.61	558	766	765	86.5	86.5	89.2
		11.61	11.76	7.01	59.00	56.62	744	952	952	110.0	110.0	113.7
		12.80	12.95	7.82	57.38	54.99	842	1050	1050	122.8	122.4	125.3
88.9	KO-80S	11.46	—	5.49	77.93	74.75	579	—	792	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	708	922	921	70.1	70.1	72.7
		15.18	—	7.34	74.22	71.04	823	—	1036	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1096	1310	1312	103.4	103.4	105.6
	KO-90S	11.46	—	5.49	77.93	74.75	651	—	894	67.0	—	58.9
		13.69	13.84	6.45	76.00	72.82	796	1037	1036	78.8	78.8	79.8
		15.18	—	7.34	74.22	71.04	926	—	1165	89.7	—	94.0
		18.90	19.27	9.52	69.85	66.68	1233	1474	1472	116.4	116.4	118.7
	KO-95S	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	KO-80L	11.46	—	5.49	77.93	74.75	579	—	792	59.6	—	54.3
		13.69	13.84	6.45	76.00	72.82	708	922	921	70.1	70.1	72.7
88.9	KO-80L	15.18	—	7.34	74.22	71.04	823	—	1036	79.7	—	83.6
		18.90	19.27	9.52	69.85	66.68	1096	1310	1312	103.4	103.4	105.6
	KO-95L	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	74.22	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	KO-110L	13.69	13.84	6.45	76.00	72.82	973	1267	1268	96.3	96.3	93.1
		18.90	19.27	9.52	69.85	66.68	1507	1802	1802	142.2	142.2	145.1
	KO-125L	13.69	13.84	6.45	76.00	72.82	1106	1440	1441	109.5	109.5	102.7
		18.90	19.27	9.52	69.85	66.68	1713	2047	2046	161.6	161.6	164.9
	KO-85SS	11.46	—	5.49	77.93	74.75	615	—	841	63.3	—	56.5
		13.69	13.84	6.45	76.00	72.82	752	979	979	74.5	74.5	76.2
		15.18	—	7.34	74.22	71.04	875	—	1103	84.7	—	88.8
		18.90	19.27	9.52	69.85	66.68	1165	1392	1392	109.9	109.9	112.1
	KO-90SS	11.46	—	5.49	77.93	74.75	651	—	894	67.0	—	58.9
		13.69	13.84	6.45	76.00	72.82	796	1037	1036	78.8	78.8	79.8
		15.18	—	7.34	74.22	71.04	926	—	1165	89.7	—	94.0
		18.90	19.27	9.52	69.85	66.68	1233	1474	1472	116.4	116.4	118.7

川崎(KO)特殊钢级油管强度数据

外径 mm	钢　级	单重 kg/m		壁厚	内径	通径	连接强度 KN		管体抗拉	抗内压 MPa		抗挤强度
		不加厚	加厚	mm	mm	mm	不加厚	加厚	强度 KN	不加厚	加厚	MPa
	KO-95SS	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	KO-125V	13.69	13.84	6.45	76.00	72.82	1106	1440	1441	109.5	109.5	102.7
	KO-125V	18.90	19.27	9.52	69.85	66.68	1713	2047	2046	161.6	161.6	164.9
88.9	T-95	11.46	—	5.49	77.93	74.75	687	—	943	70.7	—	61.0
		13.69	13.84	6.45	76.00	72.82	840	1095	1094	83.2	83.2	83.3
		15.18	—	7.34	74.22	71.04	978	—	1232	94.7	—	99.2
		18.90	19.27	9.52	69.85	66.68	1302	1556	1557	122.8	122.8	125.3
	KO-80S	14.14	—	5.74	90.12	86.94	641	—	952	54.5	—	45.4
		—	16.37	6.65	88.29	85.12	—	1095	1094	—	63.2	60.7
	KO-90S	14.14	—	5.74	90.12	86.94	721	—	1072	61.4	—	48.8
		—	16.37	6.65	88.29	85.12	—	1232	1232	—	71.2	66.1
	KO-95S	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		—	16.37	6.65	88.29	85.12	—	1300	1299	—	75.1	68.8
	KO-80L	14.14	—	5.74	90.12	86.94	645	—	952	54.5	—	45.4
		—	16.37	6.65	88.29	85.12	—	1095	1094	—	63.2	60.7
101.6	KO-95L	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		—	16.37	6.65	88.29	85.12	—	1300	1299	—	75.1	68.8
	KO-125L	14.14	—	5.74	90.12	86.94	1001	—	1490	85.2	—	57.9
		—	16.37	6.65	88.29	85.12	—	1711	1713	—	98.8	83.0
	KO-85SS	14.14	—	5.74	90.12	86.94	681	—	1014	57.9	—	47.1
		—	16.37	6.65	88.29	85.12	—	1163	1165	—	67.2	63.4
	KO-90SS	14.14	—	5.74	90.12	86.94	721	—	1072	61.4	—	48.8
		—	16.37	6.65	88.29	85.12	—	1232	1232	—	71.2	66.1
	KO-95SS	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		—	16.37	6.65	88.29	85.12	—	1300	1299	—	75.1	68.8
101.6	KO-125V	14.14	—	5.74	90.12	86.94	1001	—	1490	85.2	—	57.9
		—	16.37	6.65	88.29	85.12	—	1711	1713	—	98.8	83.0
	T-95	14.14	—	5.74	90.12	86.94	761	—	1134	64.7	—	50.4
		—	16.37	6.65	88.29	85.12	—	1300	1299	—	75.1	68.8
	KO-80S	18.75	18.97	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	KO-90S	18.75	18.97	6.88	100.53	97.36	1045	1441	1441	65.4	65.4	56.0
	KO-95S	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
	KO-80L	18.75	18.97	6.88	100.53	97.36	928	1281	1281	58.1	58.1	51.7
	KO-95L	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
114.3	KO-125L	18.75	18.97	6.88	100.53	97.36	1451	2002	2002	90.8	90.8	68.3
	KO-85SS	18.75	18.97	6.88	100.53	97.36	987	1361	1361	61.8	61.8	53.8
	KO-90SS	18.75	18.97	6.88	100.53	97.36	1045	1441	1441	65.4	65.4	56.0
	KO-95SS	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0
	KO-125V	18.75	18.97	6.88	100.53	97.36	1451	2002	2002	90.8	90.8	68.3
	T-95	18.75	18.97	6.88	100.53	97.36	1103	1521	1521	69.0	69.0	58.0

API油管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m		不加厚			加厚		
		不加厚	加厚	最佳	最小	最大	最佳	最小	最大
26.7	H-40	1.70	1.79	190	149	244	624	475	786
	J-55	1.70	1.79	244	190	312	813	610	1017
	C-75	1.70	1.79	312	230	393	1058	800	1329
	L-80	1.70	1.79	325	244	407	1098	827	1369
	N-80	1.70	1.79	339	258	420	1125	841	1410
	C-90	1.70	1.79	353	271	447	1193	895	1491
33.4	H-40	2.53	2.68	285	217	353	597	447	746
	J-55	2.53	2.68	366	271	461	773	583	963
	C-75	2.53	2.68	488	366	610	1003	759	1261
	L-80	2.53	2.68	502	380	624	1030	773	1288
	N-80	2.53	2.68	515	393	651	1071	800	1342
	C-90	2.53	2.68	542	407	678	1125	841	1410
42.2	H-40	3.42	3.57	366	271	461	719	542	895
	J-55	3.42	3.57	475	353	597	936	705	1166
	C-75	3.42	3.57	624	475	786	1234	922	1546
	L-80	3.42	3.57	637	475	800	1274	963	1600
	N-80	3.42	3.57	664	502	827	1302	976	1627
	C-90	3.42	3.57	691	529	868	1383	1030	1722
48.3	H-40	4.09	4.32	434	325	542	908	678	1139
	J-55	4.09	4.32	556	420	691	1193	895	1491
	C-75	4.09	4.32	732	556	922	1559	1166	1952
	L-80	4.09	4.32	759	569	949	1613	1207	2020
	N-80	4.09	4.32	773	583	963	1654	1247	2074
48.3	C-90	4.09	4.32	827	624	1030	1763	1315	2196
60.3	J-55	5.95	—	827	624	1030	—	—	—
		6.85	6.99	990	746	1234	1749	1315	2183
	C-75	5.95	—	1085	813	1356	—	—	—
		6.85	6.99	1302	976	1627	2305	1735	2888
		8.63	8.85	1871	1410	2346	2874	2156	3593
	L-80	5.95	—	1125	841	1410	—	—	—
		6.85	6.99	1342	1003	1681	2386	1790	2983
		8.63	8.85	1925	1451	2413	2969	2224	3715
	N-80	5.95	—	1152	868	1437	—	—	—
		6.85	6.99	1383	1044	1735	2440	1830	3051
		8.63	8.85	1979	1491	2481	3037	2278	3796
	C-90	5.95	—	1234	922	1546	—	—	—
		6.85	6.99	1464	1098	1844	2603	1952	3268
		8.63	8.85	2102	1573	2630	3240	2440	4054
	P-105	6.85	6.99	1735	1302	2169	3078	2305	3851
		8.63	8.85	2495	1871	3118	3837	2874	4800
73.0	J-55	9.52	9.67	1424	1071	1776	2237	1681	2793
	C-75	9.52	9.67	1871	1410	2346	2942	2210	3674
		11.61	11.76	2508	1885	3132	3539	2657	4434
		12.80	12.95	2834	2129	3539	3864	2901	4827
	L-80	9.52	9.67	1939	1451	2427	3051	2291	3810
		11.61	11.76	2590	1952	3240	3674	2752	4596
73.0	L-80	12.80	12.95	2929	2196	3661	4000	2996	5003
	N-80	9.52	9.67	1993	1491	2495	3118	2346	3905
		11.61	11.76	2657	1993	3322	3756	2820	4705
		12.80	12.95	2996	2251	3742	4095	3078	5125
	C-90	9.52	9.67	2129	1600	2657	3335	2508	4176
		11.61	11.76	2834	2129	3552	4027	3023	5030
		12.80	12.95	3213	2400	4013	4379	3281	5478
	P-105	9.52	9.67	2508	1885	3132	3945	2956	4935
		11.61	11.76	3349	2508	4189	4745	3566	5938

API油管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m		不加厚			加厚		
		不加厚	加厚	最佳	最小	最大	最佳	最小	最大
		12.80	12.95	3783	2834	4732	5166	3878	6454
88.9	J-55	11.46	—	1641	1234	2047	—	—	—
		13.69	13.84	2007	1505	2508	3091	2318	3864
		15.18	—	2332	1749	2915	—	—	—
	C-75	11.46	—	2169	1627	2712	—	—	—
		13.69	13.84	2644	1979	3308	4081	3064	5098
		15.18	—	3078	2305	3851	—	—	—
		18.90	19.27	4108	3078	5139	5478	4108	6847
	L-80	11.46	—	2251	1695	2820	—	—	—
		13.69	13.84	2752	2061	3444	4244	3186	5301
		15.18	—	3200	2400	4000	—	—	—
		18.90	19.27	4257	3200	5328	5694	4271	7118
	N-80	11.46	—	2305	1735	2888	—	—	
		13.69	13.84	2807	2102	3512	4339	3254	5423
88.9	N-80	15.18	—	3268	2454	4081	—	—	—
		18.90	19.27	4352	3268	5437	5816	4366	7267
	C-90	11.46	—	2468	1844	3078	—	—	—
		13.69	13.84	3010	2264	3769	4650	3484	5816
		15.18	—	3512	2630	4379	—	—	—
		18.90	19.27	4664	3498	5830	6250	4678	7810
	P-105	13.69	13.84	3552	2671	4447	5491	4122	6860
		18.90	19.27	5505	4135	6888	7362	5518	9206
101.6	J-55	14.14	—	1681	1261	2102	—	—	—
		—	16.37	—	—	—	3471	2603	4339
	C-75	14.14	—	2224	1668	2779	—	—	—
		—	16.37	—	—	—	4596	3444	5749
	L-80	14.14	—	2318	1735	2901	—	—	—
		—	16.37	—	—	—	4786	3593	5979
	C-90	14.14	—	2535	1912	3173	—	—	—
		—	16.37	—	—	—	5247	3932	6562
	N-80	14.14	—	2359	1776	2956	—	—	—
		—	16.37	—	—	—	4881	3661	6101
114.3	J-55	18.75	18.97	2359	1776	2956	3878	2915	4854
	C-75	18.75	18.97	3118	2346	3905	5125	3851	6413
	L-80	18.75	18.97	3254	2440	4067	5342	4013	6684
	N-80	18.75	18.97	3308	2481	4135	5450	4095	6820
	C-90	18.75	18.97	3566	2685	4461	5871	4406	7335

API园螺纹套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短圆扣			长圆扣		
			最佳	最小	最大	最佳	最小	最大
114.3	J-55	14.14	1369	1030	1708	—	—	—
		15.63	1790	1342	2237	—	—	—
		17.26	2088	1573	2617	2196	1654	2752
	K-55	14.14	1519	1139	1898	—	—	—
		15.63	1979	1491	2481	—	—	—
		17.26	2305	1735	2888	2440	1830	3051
	C-75	17.26	—	—	—	2915	2183	3647
		20.09	—	—	—	3525	2644	4406
	L-80	17.26	—	—	—	3023	2264	3783
		20.09	—	—	—	3674	2752	4596
	N-80	17.26	—	—	—	3091	2318	3864
		20.09	—	—	—	3742	2807	4678
	C-90	17.26	—	—	—	3322	2495	4149
		20.09	—	—	—	4027	3023	5030
	C-95	17.26	—	—	—	3498	2630	4379
		20.09	—	—	—	4244	3186	5301
	P-110	17.26	—	—	—	4095	3078	5125
		20.09	—	—	—	4962	3728	6210
		22.47	—	—	—	5966	4474	7457
	Q-125	22.47	—	—	—	6657	4989	8325
127.0	J-55	17.11	1803	1356	2251	—	—	—
		19.35	2291	1722	2861	2468	1857	3091
		22.32	2807	2102	3512	3023	2129	3783
127.0	K-55	17.11	1993	1491	2495	—	—	—
		19.35	2522	1898	3159	2725	2047	3403
		22.32	3091	2318	3864	3335	2508	4176
	C-75	22.32	—	—	—	4013	3010	5017
		26.79	—	—	—	5111	3837	6386
		31.85	—	—	—	6318	4745	7904
		35.86	—	—	—	7308	5478	9138
	L-80	22.32	—	—	—	4176	3132	5220
		26.79	—	—	—	5355	4000	6657
		31.85	—	—	—	6589	4949	8243
		35.86	—	—	—	7606	5708	9504
	N-80	22.32	—	—	—	4257	3200	5328
		26.79	—	—	—	5423	4067	6779
		31.85	—	—	—	6711	5030	8393
		35.86	—	—	—	7755	5816	9694
	C-90	22.32	—	—	—	4583	3444	5735
		26.79	—	—	—	5844	4393	7308
		35.86	—	—	—	7240	5423	9043
		34.53	—	—	—	7972	5979	9965
		35.86	—	—	—	8365	6277	10453
	C-95	22.32	—	—	—	4827	3620	6033
		26.79	—	—	—	6169	4623	7715
		31.85	—	—	—	7620	5722	9531
127.0	C-95	35.86	—	—	—	8813	6616	11023
	P-110	22.32	—	—	—	5654	4244	7064
		26.79	—	—	—	7199	5396	9003
		31.85	—	—	—	8921	6698	11158
		35.86	—	—	—	10304	7728	12880
	Q-125	26.79	—	—	—	8040	6033	10047
		31.85	—	—	—	9952	7471	12446
		34.53	—	—	—	10969	8230	13707
		35.86	—	—	—	11511	8637	14385
		20.83	2332	1749	2915	—	—	—

API园螺纹套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短圆扣			长圆扣		
			最佳	最小	最大	最佳	最小	最大
139.7	J-55	23.07	2739	2061	3430	2942	2210	3674
		25.30	3105	2332	3878	3349	2508	4189
	K-55	20.83	2562	1925	3200	—	—	—
		23.07	3010	2264	3769	3240	2427	4054
		25.30	3417	2562	4271	3688	2766	4610
	C-75	25.30	—	—	—	4434	3322	5545
		29.76	—	—	—	5464	4095	6833
		34.23	—	—	—	6413	4813	8013
	L-80	25.30	—	—	—	4623	3471	5776
		29.76	—	—	—	5694	4271	7118
		34.23	—	—	—	6684	5017	8352
	N-80	25.30	—	—	—	4718	3539	5898
		29.76	—	—	—	5803	4352	7254
139.7	N-80	34.23	—	—	—	6806	5111	8515
	C-90	25.30	—	—	—	5084	3823	6359
		29.76	—	—	—	6264	4705	7837
		34.23	—	—	—	7349	5518	9192
	C-95	25.30	—	—	—	5369	4027	6711
		29.76	—	—	—	6603	4949	8257
		34.23	—	—	—	7755	5816	9694
	P-110	25.30	—	—	—	6264	4705	7837
		29.76	—	—	—	7715	5789	9640
		34.23	—	—	—	9057	6793	11321
	Q-125	34.23	—	—	—	10114	7593	12650
177.8	J-55	29.76	3173	2386	3973	—	—	—
		34.23	3851	2888	4813	4244	3186	5301
		38.69	4528	3403	5667	4976	3728	6223
	K-55	29.76	3444	2590	4312	—	—	—
		34.23	4189	3145	5233	4623	3471	5776
		38.69	4935	3701	6169	5437	4081	6793
	C-75	34.23	—	—	—	5640	4230	7050
		38.69	—	—	—	6630	4976	8284
		43.16	—	—	—	7620	5722	9531
		47.62	—	—	—	8582	6440	10725
		52.09	—	—	—	9531	7145	11918
		56.55	—	—	—	10399	7796	13002
177.8	L-80	34.23	—	—	—	5898	4420	7376
		38.69	—	—	—	6928	5193	8664
		43.16	—	—	—	7959	5966	9952
		47.62	—	—	—	8962	6725	11199
		52.09	—	—	—	9952	7471	12446
		56.55	—	—	—	10860	8148	13572
	N-80	34.23	—	—	—	5993	4501	7498
		38.69	—	—	—	7037	5274	8799
		43.16	—	—	—	8094	6074	10114
		47.62	—	—	—	9111	6833	11389
		52.09	—	—	—	10114	7593	12650
		56.55	—	—	—	11036	8284	13802
	C-90	34.23	—	—	—	6494	4867	8121
		38.69	—	—	—	6820	5722	9545
		43.16	—	—	—	8786	6589	10982
		47.62	—	—	—	9884	7416	12352
		52.09	—	—	—	10969	8230	13707
		56.55	—	—	—	11972	8976	14968
		34.23	—	—	—	6847	5139	8555
		38.69	—	—	—	7633	6033	10047

API园螺纹套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短圆扣			长圆扣		
			最佳	最小	最大	最佳	最小	最大
	C-95	43.16	—	—	—	9260	6942	11579
		47.62	—	—	—	10413	7810	13016
		52.09	—	—	—	11565	8677	14453
177.8	C-95	56.55	—	—	—	12623	9464	15782
	P-110	38.69	—	—	—	9396	7050	11741
		43.16	—	—	—	10806	8108	13504
		47.62	—	—	—	12162	9125	15199
		52.09	—	—	—	13504	10128	16880
		56.55	—	—	—	14738	11050	18426
	Q-125	52.09	—	—	—	15117	11335	18900
		56.55	—	—	—	16487	12365	20608
193.7	J-55	39.29	4271	3200	5342	4691	3525	5871
	K-55	39.29	4637	3484	5803	5111	3837	6386
	C-75	39.29	—	—	—	6250	4691	7810
		44.20	—	—	—	7349	5518	9192
		50.15	—	—	—	8609	6454	10765
		58.04	—	—	—	10182	7633	12731
		63.69	—	—	—	11552	8664	14439
		70.09	—	—	—	12921	9694	16148
	L-80	39.29	—	—	—	6535	4908	8176
		44.20	—	—	—	7687	5762	9613
		50.15	—	—	—	9003	6752	11253
		58.04	—	—	—	10657	7999	13328
		63.69	—	—	—	12080	9057	15104
		70.09	—	—	—	13518	10142	16893
	N-80	39.29	—	—	—	6644	4989	8311
193.7	N-80	44.20	—	—	—	7796	5844	9748
		50.15	—	—	—	9138	6860	11430
		58.04	—	—	—	10819	8108	13531
		63.69	—	—	—	12284	9220	15361
		70.09	—	—	—	13734	10304	17165
	C-90	39.29	—	—	—	7213	5410	9016
		44.20	—	—	—	8474	6359	10589
		50.15	—	—	—	9938	7457	12419
		58.04	—	—	—	11755	8813	14697
		63.69	—	—	—	13341	10006	16677
		67.41	—	—	—	14168	10630	17707
		70.09	—	—	—	14914	11185	18642
	C-95	39.29	—	—	—	7593	5694	9491
		44.20	—	—	—	8935	6698	11172
		50.15	—	—	—	10467	7850	13084
		58.04	—	—	—	12392	9301	15497
		63.69	—	—	—	14060	10548	17571
		70.09	—	—	—	15714	11782	19646
	P-110	44.20	—	—	—	10426	7823	13029
		50.15	—	—	—	12216	9165	15267
		58.04	—	—	—	14453	10847	18073
		63.69	—	—	—	16405	12311	20514
		70.09	—	—	—	18344	13762	22927
193.7	Q-125	58.04	—	—	—	16188	12148	20242
		63.69	—	—	—	18371	13775	22968
		67.41	—	—	—	19510	14629	24391
		70.09	—	—	—	20541	15402	25679
	J-55	53.57	5342	4013	6684	6142	4610	7674
		59.53	6128	4596	7660	7050	5288	8813
	K-55	53.57	5735	4298	7172	6630	4976	8284

API园螺纹套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短圆扣			长圆扣		
			最佳	最小	最大	最佳	最小	最大
244.5	K-55	59.53	6589	4949	8243	7606	5708	9504
	C-75	59.53	—	—	—	9409	7064	11769
		64.74	—	—	—	10521	7891	13151
		69.94	—	—	—	11552	8664	14439
		79.62	—	—	—	13545	10155	16934
	L-80	59.53	—	—	—	9857	7389	12324
		64.74	—	—	—	11023	8270	13775
		69.94	—	—	—	12107	9084	15131
		79.62	—	—	—	14195	10643	17748
	N-80	59.53	—	—	—	9992	7498	12487
		64.74	—	—	—	11185	8393	13978
		69.94	—	—	—	12270	9206	15334
		79.62	—	—	—	14399	10806	18005
	C-90	59.53	—	—	—	10901	8176	13626
		64.74	—	—	—	12189	9138	15239
		69.94	—	—	—	13382	10033	16731
244.5	C-90	79.62	—	—	—	15687	11769	19605
	C-95	59.53	—	—	—	11484	8609	14358
		64.74	—	—	—	12853	9640	16066
		69.94	—	—	—	14101	10575	17626
		79.62	—	—	—	16541	12406	20676
	P-110	64.74	—	—	—	14995	11253	18751
		69.94	—	—	—	16446	12338	20554
		79.62	—	—	—	19280	14467	24106
	Q-125	69.94	—	—	—	18439	13829	23049
		79.62	—	—	—	21625	16216	27035
273.1	J-55	60.27	5694	4271	7118	—	—	—
		67.71	6684	5017	8352	—	—	—
		75.90	7660	5749	9572	—	—	—
	K-55	60.27	6101	4583	7633	—	—	—
		67.71	7159	5369	8948	—	—	—
		75.90	8216	6169	10277	—	—	—
	C-75	75.90	10250	7687	12812	—	—	—
		82.59	11430	8569	14290	—	—	—
	L-80	75.90	10765	8081	13463	—	—	—
		82.59	11985	8989	14982	—	—	—
	N-80	75.90	10901	8176	13626	—	—	—
		82.59	12135	9098	15172	—	—	—
	C-90	75.90	9382	7037	11728	—	—	—
273.1	C-90	82.59	10453	7837	13070	—	—	—
	C-95	75.90	12568	9423	15714	—	—	—
		82.59	13992	10494	17490	—	—	—
	P-110	75.90	14643	10982	18304	—	—	—
		82.59	16310	12229	20392	—	—	—
		90.33	18141	13612	22683	—	—	—
		97.77	19958	14968	24947	—	—	—
	Q-125	90.33	20364	15280	25462	—	—	—
		97.77	22398	16799	27998	—	—	—
339.7	J-55	81.10	6969	5233	8718	—	—	—
		90.78	8067	6047	10087	—	—	—
		101.20	9152	6860	11443	—	—	—
	K-55	81.10	7416	5559	9274	—	—	—
		90.78	8582	6440	10725	—	—	—
		101.20	9735	7308	12175	—	—	—
	C-75	101.20	12284	9220	15361	—	—	—
		107.15	13260	9952	16582	—	—	—

API园螺纹套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短圆扣			长圆扣		
			最佳	最小	最大	最佳	最小	最大
	L-80	101.20	12907	9681	16134	—	—	—
		107.15	13951	10467	17436	—	—	—
	N-80	101.20	13057	9789	16324	—	—	—
		107.15	14101	10575	17626	—	—	—
	C-90	101.20	14331	10752	17910	—	—	—
		107.15	15483	11619	19361	—	—	—
339.7	C-95	101.20	15104	11335	18887	—	—	—
		107.15	16324	12243	20405	—	—	—
	P-110	101.20	17585	13192	21978	—	—	—
		107.15	19009	14263	23767	—	—	—
	Q-125	107.15	21368	16026	26710	—	—	—
508.0	J-55	139.89	—	10630	—	—	12297	—
		158.49	—	12379	—	—	14331	—
		197.93	—	16161	—	—	18710	—
	K-55	139.89	—	11172	—	—	12948	—
		158.49	—	13016	—	—	15090	—
		197.93	—	16988	—	—	19700	—

川崎(KO)FOX扣L-80油套管推荐上扣扭矩

单位：N.m

外 径 mm	公 称 重 量 kg/m	推 荐 扭 矩
60.3	6.85	1532
	7.59	1776
	8.63	2088
	9.23	2169
	9.38	2346
	10.86	2956
73.0	9.52	2481
	11.46	3240
	12.80	3728
	14.58	4583
	15.92	5233
88.9	11.46	3200
	13.69	3891
	15.18	4366
	18.90	6332
	20.39	7091
	20.39	7091
	23.07	7918
	23.51	8379
101.6	14.14	3973
	16.22	4772
	19.35	6237
	22.02	7674
101.6	24.55	9003
114.3	15.63	4352
	17.26	5030
	18.75	5586
	20.09	6101
	22.47	7538
	27.98	9260
	32.14	10575
	36.61	11728
127.0	19.35	5667
	22.32	6996
	26.79	9436
	30.21	11023
	30.95	11443
	31.85	11877
	34.53	13057
	35.86	13667
139.7	23.07	7132
	25.30	8189
	29.76	10657
	34.23	12568
	39.88	14561
177.8	29.76	9043
177.8	34.23	11348
	38.69	13884
	43.16	17314
	47.62	20324
	52.09	22588
	56.55	24635
	61.01	27021
	65.48	29367
	68.46	30764
	73.66	33543

川崎(KO)FOX扣L-80油套管推荐上扣扭矩

单位：N.m

外 径 mm	公 称 重 量 kg/m	推 荐 扭 矩
193.7	39.29	11430
	44.20	14073
	50.15	17192
	53.28	19280
	58.04	23659
	63.69	27740
	67.41	29462
244.5	53.57	12514
	59.53	14846
	64.74	17110
	69.94	20975
	79.62	25625
	86.91	28960
244.5	88.40	32336
	90.93	33462
273.1	60.27	11782
	67.71	14561
	75.90	17246
	82.59	19781
	90.33	25191
	97.77	28337
298.5	69.94	13490
	80.36	16771
	89.29	21666
	96.73	24459
339.7	81.10	13395
	90.78	16514
	101.20	19320
	107.15	21286
	114.59	24947
	120.09	26818
	126.49	28608
	127.98	31347

国产天钢套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短 圆 扣			长 圆 扣		
			最佳	最小	最大	最佳	最小	最大
139.7	J-55	20.83	2332	1749	2915	—	—	—
		23.07	2739	2061	3430	2942	2210	3674
		25.30	3105	2332	3878	3349	2508	4189
	K-55	20.83	2562	1925	3200	—	—	—
		23.07	3010	2264	3769	3240	2427	4054
		25.30	3417	2562	4271	3688	2766	4610
	C-75	25.30	—	—	—	4434	3322	5545
		29.76	—	—	—	5464	4095	6833
		34.23	—	—	—	6413	4813	8013
	L-80	25.30	—	—	—	4623	3471	5776
		29.76	—	—	—	5694	4271	7118
		34.23	—	—	—	6684	5017	8352
	N-80	25.30	—	—	—	4718	3539	5898
		29.76	—	—	—	5803	4352	7254
		34.23	—	—	—	6806	5111	8515
	C-90	25.30	—	—	—	5084	3823	6359
		29.76	—	—	—	6264	4705	7837
		34.23	—	—	—	7349	5518	9192
	C-95	25.30	—	—	—	5369	4027	6711
		29.76	—	—	—	6603	4949	8257
		34.23	—	—	—	7755	5816	9694
	P-110	25.30	—	—	—	6264	4705	7837
139.7	P-110	29.76	—	—	—	7715	5789	9640
		34.23	—	—	—	9057	6793	11321
	Q-125	34.23	—	—	—	10114	7593	12650
177.8	J-55	25.30	3173	2386	3973	—	—	—
		34.23	3851	2888	4813	4244	3186	5301
		38.69	4528	3403	5667	4976	3728	6223
	K-55	25.30	3444	2590	4312	—	—	—
		34.23	4189	3145	5233	4623	3471	5776
		38.69	4935	3701	6169	5437	4081	6793
	C-75	34.23	—	—	—	5640	4230	7050
		38.69	—	—	—	6630	4976	8284
		43.16	—	—	—	7620	5722	9531
		47.62	—	—	—	8582	6440	10725
		52.09	—	—	—	9531	7145	11918
		56.55	—	—	—	10399	7796	13002
	L-80	34.23	—	—	—	5898	4420	7376
		38.69	—	—	—	6928	5193	8664
		43.16	—	—	—	7959	5966	9952
		47.62	—	—	—	8962	6725	11199
		52.09	—	—	—	9952	7471	12446
		56.55	—	—	—	10860	8148	13572
	N-80	34.23	—	—	—	5993	4501	7498
177.8	N-80	38.69	—	—	—	7037	5274	8799
		43.16	—	—	—	8094	6074	10114
		47.62	—	—	—	9111	6833	11389
		52.09	—	—	—	10114	7593	12650
		56.55	—	—	—	11036	8284	13802
	C-90	34.23	—	—	—	6494	4867	8121
		38.69	—	—	—	7633	5722	9545
		43.16	—	—	—	8786	6589	10982
		47.62	—	—	—	9884	7416	12352
		52.09	—	—	—	10969	8230	13707
		56.55	—	—	—	11972	8976	14968

国产天钢套管推荐上扣扭矩

单位：N.m

外径 mm	钢　级	公称重量 kg/m	短 圆 扣			长 圆 扣		
			最佳	最小	最大	最佳	最小	最大
177.8	C-95	34.23	—	—	—	6847	5139	8555
		38.69	—	—	—	8040	6033	10047
		43.16	—	—	—	9260	6942	11579
		47.62	—	—	—	10413	7810	13016
		52.09	—	—	—	11565	8677	14453
		56.55	—	—	—	12623	9464	15782
	P-110	38.69	—	—	—	9396	7050	11741
		43.16	—	—	—	10806	8108	13504
		47.62	—	—	—	12162	9125	15199
		52.09	—	—	—	13504	10128	16880
		56.55	—	—	—	14738	11050	18426
177.8	Q-125	52.09	—	—	—	15117	11335	18900
		56.55	—	—	—	16487	12365	20608
244.5	J-55	53.57	5342	4013	6684	6142	4610	7674
		59.53	6128	4596	7660	7050	5288	8813
	K-55	53.57	5735	4298	7172	6630	4976	8284
		59.53	6589	4949	8243	7606	5708	9504
	C-75	59.53	—	—	—	9409	7064	11769
		64.74	—	—	—	10521	7891	13151
		69.94	—	—	—	11552	8664	14439
		79.62	—	—	—	13545	10155	16934
	L-80	59.53	—	—	—	9857	7389	12324
		64.74	—	—	—	11023	8270	13775
		69.94	—	—	—	12107	9084	15131
		79.62	—	—	—	14195	10643	17748
	N-80	59.53	—	—	—	9992	7498	12487
		64.74	—	—	—	11185	8393	13978
		69.94	—	—	—	12270	9206	15334
		79.62	—	—	—	14399	10806	18005
	C-90	59.53	—	—	—	10901	8176	13626
		64.74	—	—	—	12189	9138	15239
		69.94	—	—	—	13382	10033	16731
		79.62	—	—	—	15687	11769	19605
244.5	C-95	59.53	—	—	—	11484	8609	14358
		64.74	—	—	—	12853	9640	16066
		69.94	—	—	—	14101	10575	17626
		79.62	—	—	—	16541	12406	20676
	P-110	64.74	—	—	—	14995	11253	18751
		69.94	—	—	—	16446	12338	20554
		79.62	—	—	—	19280	14467	24106
	Q-125	69.94	—	—	—	18439	13829	23049
		79.62	—	—	—	21625	16216	27035

日本钢管(NKK)3SB扣套管标准接箍推荐上扣扭矩

单位：N.m

外径	公称重量	壁厚	钢级					
mm	kg/m	mm	55	80/80T	90/95	110	125	140/150
139.7	*23.09	6.98	6100	6800	7100	7600	8000	8500
	25.32	7.72	7200	7900	8100	8700	9200	9800
	29.79	9.17	8400	9400	9800	10600	11300	12200
	34.26	10.54	9800	11000	11400	12300	13000	13000
	38.73	12.09	10800	11900	12500	12900	13000	13000
177.8	*34.26	8.05	8900	9500	9800	10600	11300	11300
	38.73	9.19	10800	11700	12100	12900	13600	13600
	43.20	10.36	12200	13200	13600	14200	14900	14900
	47.66	11.51	12200	14200	14900	15600	16300	16300
	52.13	12.65	13600	15600	16300	17600	19000	19000
	56.60	13.72	14900	16300	16900	18300	19700	19700
	61.07	14.99	—	16300	17600	19000	19700	19700

注:带*号的尺寸

最大扭矩值为最佳扭矩的110%

最小扭矩值为最佳扭矩的90%

其它尺寸

最大扭矩值为最佳扭矩的120%

最大扭矩值为最佳扭矩的80%

日本钢管(NKK)3SB扣油管标准接箍推荐上扣扭矩

单位：N.m

外径	公称重量	壁厚	钢级			
mm	kg/m	mm	55	80	90/95	P110
60.3	*7.00	4.83	1600	1600	1800	1900
	*7.89	5.54	1900	2000	2000	2200
	8.86	6.45	2200	2400	2600	2600
	9.23	6.63	2300	2400	2600	2600
	11.47	8.53	2700	3000	3100	3300
73.0	9.68	5.51	2400	2700	2800	3000
	11.77	7.01	2800	3100	3300	3400
	12.96	7.82	3100	3500	3700	3800
	14.15	8.64	3400	3800	4100	4200
	15.94	9.96	3800	4500	4700	5000
	16.38	10.29	3800	4500	4700	5000
	17.35	11.18	3800	4500	4700	5000
88.9	13.85	6.45	3700	3900	4200	4500
	15.34	7.34	4200	4600	4900	5200
	19.07	9.35	5300	6000	6200	6600
	19.29	9.53	5300	6000	6200	6600
	22.49	11.40	6100	6800	7200	7700
	23.53	12.09	6100	6800	7200	7700
	24.87	12.95	6200	7100	7500	8000
	25.40	13.46	6200	7100	7500	8000
101.6	16.38	6.65	4900	5400	5600	5800
	19.96	8.38	6000	6800	7100	7300
	28.30	12.70	8100	9100	9500	10200
101.6	33.51	15.49	8700	9500	9900	10600
114.3	*18.99	6.88	4700	5300	5600	5800
	20.11	7.37	5700	6400	6600	7100
	23.09	8.56	6800	7500	7900	8500
	28.60	10.92	8100	9500	10200	10800
	32.17	12.70	8400	10200	10800	11500
	35.75	14.22	8800	10400	11500	11800
	39.47	16.00	8800	10400	11500	11800

注:带*号的尺寸

最大扭矩值为最佳扭矩的 110%

最小扭矩值为最佳扭矩的 90%

其它尺寸

最大扭矩值为最佳扭矩的 120%

最大扭矩值为最佳扭矩的 80%

世特佳(SIDERCA)FL-4S扣油套管推荐上扣扭矩

单位：N.m

外径	公称重量	J-55		L-80/N-80		P-110	
mm	kg/m	最小	最大	最小	最大	最小	最大
60.3	6.59	542	678	678	813	746	881
	8.56	542	678	678	813	813	949
73.0	9.17	813	949	1085	1220	1085	1356
	11.40	813	949	1085	1220	1085	1356
88.9	11.28	1220	1356	1491	1763	1559	1830
	13.11	1220	1356	1898	2169	2169	2440
	14.75	1356	1627	1898	2169	2169	2440
	18.63	1763	2034	2034	2305	2305	2576
101.6	13.56	1491	1898	1763	2034	1898	2169
	15.57	1627	2034	1898	2169	1898	2373
	16.88	1763	2169	2169	2576	271	3525
114.3	13.99	2440	3118	2440	3118	2440	3254
	15.22	2440	3118	2440	3118	2440	3254
	16.06	2440	3118	2983	3796	3118	4067
	16.89	2847	3525	2983	3932	3118	4203
	18.22	2847	3525	2983	4067	3254	4474
	19.41	2983	3661	3118	4203	3525	4610
127.0	16.71	1627	2440	1627	2440	1627	2440
	19.09	1627	2440	1627	2440	1627	2440
	22.13	4067	4881	4067	5288	4881	5830
	26.68	4067	4881	4203	5017	4881	5830
139.7	20.39	2576	3254	2576	3390	2576	3390
	22.84	3118	3661	3796	4610	4203	4881
139.7	25.11	3254	3932	4067	4881	5423	6237
	29.48	3796	4474	4610	5559	5966	7050
	33.54	3932	4610	5966	7050	6237	7593

世特佳(SIDERCA)SEC扣套管推荐上扣扭矩

单位：N.m

外径	公称重量	最 小 扭 矩			
mm	kg/m	55	75/80	90/100	110
127.0	19.35	5125	5572	5925	6183
	22.32	5735	6277	6535	6806
	26.79	6969	7511	7864	8216
	30.21	8393	9274	9721	10128
	31.85	8745	9721	10128	10616
139.7	23.07	5735	6277	6616	6969
	25.30	6183	6711	7077	7430
	29.76	7240	7945	8298	8745
	34.23	8664	9721	10128	10616
	39.88	9274	10128	11050	11470
177.8	34.23	7593	8569	9274	9857
	38.69	8826	10128	10616	11470
	43.16	10128	11470	12406	13355
	47.62	11050	12406	13355	14168
	52.09	11470	12880	13694	14711
	56.55	11904	13694	14168	15050
193.7	39.29	8745	9721	10616	11050
	44.20	10128	11470	12406	13355
	50.15	12406	14168	15050	16405
	53.28	12880	14711	15863	16880
	58.04	13355	15050	16405	17219
244.5	53.57	10616	12406	13694	14711
	59.53	12880	15050	16405	17693
244.5	64.74	14711	17219	18575	19524
	69.94	15050	17693	19524	19524
	79.62	16405	19524	19524	19524
273.1	60.27	11470	13694	15050	16405
	67.71	14168	17219	18575	19524
	75.90	15050	17693	19524	19524
	82.59	15863	18575	19524	19524
	90.33	19524	19524	19524	19524
298.5	69.94	12880	15524	17219	18575
	80.36	17693	19524	19524	19524
	89.29	18575	19524	19524	19524
	96.73	19524	19524	19524	19524
339.7	81.10	14168	17693	19524	19524
	90.78	18575	19524	19524	19524
	101.20	19524	19524	19524	19524
	107.15	19524	19524	19524	19524

世特佳(SIDERCA)SEC扣油管推荐上扣扭矩

单位：N.m

外径	公称重量	最 小 扭 矩				
mm	kg/m	55	75/80	80	90/100	110
60.3	6.85	1424	1952	1757	2210	2481
	7.59	1424	1952	1757	2305	2562
	8.63	1505	2034	1830	2386	2657
73.0	9.52	2129	2929	2636	3444	3891
	11.46	2305	3091	2782	3539	4067
	12.80	2562	3444	3099	3973	4596
88.9	11.46	2820	3796	3417	4420	4949
	13.69	2929	3973	3575	4596	5220
	15.18	3281	4515	4063	5220	5925
	18.90	3891	5220	4698	6006	6806
	20.39	4515	6101	5491	7077	8040
101.6	14.14	3539	4867	4381	5654	6359
	16.22	3715	5030	4527	5830	6616
	19.35	4244	5830	5247	6711	7593
	22.02	5301	7321	6589	8474	9721
114.3	15.63	4149	5478	4930	6359	7159
	17.26	4244	5654	5088	6535	7321
	18.75	4325	5830	5247	6711	7511
	20.09	4515	6006	5406	6888	7782
	22.47	5247	7077	6370	8121	9274
	25.15	6183	8474	7626	9721	11050
	27.98	6359	8664	7797	10128	11470

新日铁（NT）NS-CC扣套管上扣扭矩

单位：N.m

外径	单重	壁厚	推荐扭距				允许扭距
mm	kg/m	mm	范	围		最佳值	NT95SS时
139.7	25.30	7.72	4904	～	6865	5884	8630
	29.76	9.17	6571	～	9121	7846	11474
	34.23	10.54	6571	～	9121	9807	13926
177.8	38.69	9.19	7649	～	10003	8826	17162
	43.16	10.36	8581	～	11033	9807	20693
	47.62	11.51	8581	～	11033	9807	21870
	52.09	12.65	8581	～	11033	9807	21870
	56.55	13.72	8581	～	11033	9807	21870

注：NT-95SS套管在高扭矩侧可以放宽到容许扭矩值。

直连型套管扭矩值

外径		钢 级	最小扭矩		最佳扭矩		最大扭矩	
mm	in		N.m	lb.ft	N.m	lb.ft	N.m	lb.ft
127	5	J-55	3390	2500	3660	2700	4070	3000
		C-75	4070	3000	4340	3200	4750	3500
		L-80	4070	3000	4340	3200	4750	3500
		N-80	4070	3000	4340	3200	4750	3500
		C-90	4070	3000	4340	3200	4750	3500
		C-95	4750	3500	5020	3700	5420	4000
		P-110	4750	3500	5020	3700	5420	4000
		Q-125	5420	4000	5690	4200	6100	4500
139.7	5.5	J-55	3390	2500	3660	2700	4070	3000
		K-55	3390	2500	3660	2700	4070	3000
		C-75	4070	3000	4340	3200	4750	3500
		L-80	4070	3000	4340	3200	4750	3500
		N-80	4070	3000	4340	3200	4750	3500
		C-90	4070	3000	4340	3200	4750	3500
		C-95	4750	3500	5020	3700	5420	4000
		P-110	4750	3500	5020	3700	5420	4000
		Q-125	5420	4000	5690	4200	6100	4500
168.3	6.625	J-55	4070	3000	4340	3200	4750	3500
		K-55	4070	3000	4340	3200	4750	3500
		C-75	4750	3500	5020	3700	5420	4000
		L-80	4750	3500	5020	3700	5420	4000
		N-80	4750	3500	5020	3700	5420	4000
168.3	6.625	C-90	4750	3500	5020	3700	5420	4000
		C-95	5420	4000	5690	4200	6100	4500
		P-110	5420	4000	5690	4200	6100	4500
		Q-125	6100	4500	6370	4700	6780	5000
177.8	7	J-55	4070	3000	4340	3200	4750	3500
		K-55	4070	3000	4340	3200	4750	3500
		C-75	4750	3500	5020	3700	5420	4000
		L-80	4750	3500	5020	3700	5420	4000
		N-80	4750	3500	5020	3700	5420	4000
		C-90	4750	3500	5020	3700	5420	4000
		C-95	5420	4000	5690	4200	6100	4500
		P-110	5420	4000	5690	4200	6100	4500
		Q-125	6100	4500	6370	4700	6780	5000
193.7	7.625	J-55	4750	3500	5020	3700	5420	4000
		K-55	4750	3500	5020	3700	5420	4000
		C-75	5420	4000	5690	4200	6100	4500
		L-80	5420	4000	5690	4200	6100	4500
		N-80	5420	4000	5690	4200	6100	4500
		C-90	5420	4000	5690	4200	6100	4500
		C-95	6100	4500	6370	4700	6780	5000
		P-110	6100	4500	6370	4700	6780	5000
		Q-125	6780	5000	7050	5200	7460	5500
219.1	8.625	J-55	5420	4000	5690	4200	6100	4500
		K-55	5420	4000	5690	4200	6100	4500
		C-75	6100	4500	6370	4700	6780	5000
		L-80	6100	4500	6370	4700	6780	5000
		N-80	6100	4500	6370	4700	6780	5000
		C-90	6100	4500	6370	4700	6780	5000
		C-95	6780	5000	7050	5200	7460	5500

直连型套管扭矩值

外径		钢 级	最小扭矩		最佳扭矩		最大扭矩	
mm	in		N.m	lb.ft	N.m	lb.ft	N.m	lb.ft
		P-110	6780	5000	7050	5200	7460	5500
		Q-125	7460	5500	7730	5700	8130	6000
244.5	9.625	J-55	6100	4500	6370	4700	6780	5000
		K-55	6100	4500	6370	4700	6780	5000
		C-75	6780	5000	7050	5200	7460	5500
		L-80	6780	5000	7050	5200	7460	5500
		N-80	6780	5000	7050	5200	7460	5500
		C-90	6780	5000	7050	5200	7460	5500
		C-95	8130	6000	8410	6200	8810	6500
		P-110	8130	6000	8410	6200	8810	6500
		Q-125	8810	6500	9080	6700	9490	7000

注：1、外台肩不是密封面，仅作为制动之用。

2、若内螺纹接头不发生膨胀，在某些情况下可采用比本表所列更大的扭矩值。

3、当扭矩较高而引起轴向拉伸应力增加过多时，在硫化氢作用下可能导致硫化氢应力腐蚀。

住友(SM)TM扣油套管推荐上扣扭矩

单位：N.m

外径	公称重量	壁厚	80		110		150	
mm	kg/m	mm	最小	最大	最小	最大	最小	最大
60.3	7.59	5.54	1559	1898	1695	2034	1898	2305
	8.63	6.45	1966	2373	2169	2576	2440	2915
	9.38	7.11	2237	2712	2508	2983	2779	3322
	10.86	8.53	2915	3525	3186	3796	3525	4203
73.0	9.52	5.51	1898	2644	2102	2915	2305	3254
	11.46	7.01	2576	3932	2779	4135	3118	4474
	12.80	7.82	2915	4271	3254	4610	3661	5017
	14.58	9.14	3661	5017	4067	5423	4610	5966
	15.92	10.29	3796	5152	4271	5627	4813	6169
88.9	13.69	6.45	2576	4339	2915	4678	3457	5220
	15.18	7.34	3254	5017	3661	5423	4271	6033
	18.90	9.52	4474	6237	5084	6847	5830	7593
	20.39	10.49	4678	6440	5355	7118	6101	7932
	21.88	11.43	4881	6644	5559	7321	6440	8203
	23.51	12.09	5017	6779	5694	7457	6644	8406
101.6	16.22	6.65	3051	4406	3457	4813	3932	5288
	19.35	8.38	4271	5627	4881	6237	5627	6982
	22.02	9.65	5220	6576	5966	7321	6982	8542
	24.55	10.92	5559	6915	6372	7728	7525	9152
114.3	17.26	6.35	3186	4542	3661	5017	4339	5694
	18.75	6.88	3661	5017	4203	5559	5017	6372
	20.09	7.37	4067	5423	4745	6101	5627	6982
	22.47	8.56	5084	6440	6033	7389	7254	8881
114.3	25.15	9.65	6033	7389	7118	8677	8542	10440
	26.34	10.21	6169	7525	7321	8948	8745	10643
	27.98	10.92	6372	7728	7525	9152	9016	10982
	32.14	12.70	6847	8338	7999	9762	9626	11050
	36.61	14.22	7186	8745	8406	10236	10101	12338
127.0	22.32	7.52	5627	6982	6372	7728	7389	9016
	26.79	9.19	7728	9423	8881	10847	10372	12677
	30.21	10.36	9220	11253	10575	12880	12338	15050
	30.95	10.72	9694	11796	11118	13558	13016	15863
	31.85	11.10	9830	11999	11253	13762	13151	16066
	34.53	12.14	10236	12474	11728	14304	13694	16677
	35.86	12.70	10440	12745	11931	14575	13965	17016
139.7	23.07	6.99	5355	6508	6101	7457	7118	8677
	25.30	7.72	6372	7796	7321	8948	8542	10440
	29.76	7.65	8406	10236	9762	11931	11592	14168
	34.23	10.54	10304	12541	11999	14643	14236	17354
	39.88	12.09	10982	13423	12745	15524	15117	18439
	42.26	13.46	11524	14033	13355	16270	15863	19320
177.8	34.23	8.05	9084	11050	10575	12880	12474	15185
	38.69	9.19	9897	12067	11457	13965	13423	16405
	43.16	10.36	13965	17016	14914	18304	19795	24134
	47.62	11.51	15727	19185	18236	22235	19795	24134
	52.09	12.65	16609	20269	19320	23591	19795	24134
177.8	56.55	13.72	17422	21286	19795	24134	19795	24134
	61.01	14.99	18304	22303	19795	24134	19795	24134
193.7	39.29	8.33	10440	12745	11999	14643	13965	17016
	44.20	9.52	11457	13965	13151	16066	15456	18846
	50.15	10.92	16405	19998	19185	23388	19795	24134
	53.28	11.81	17219	21015	19795	24134	19795	24134
	58.04	12.70	18032	22032	19795	24134	19795	24134
	63.69	14.27	19320	23591	19795	24134	19795	24134
	67.41	15.11	19795	24134	19795	24134	19795	24134
	70.09	15.88	19795	24134	19795	24134	19795	24134

住友(SM)TM扣油套管推荐上扣扭矩

单位：N.m

外径	公称重量	壁厚	80		110		150	
mm	kg/m	mm	最小	最大	最小	最大	最小	最大
244.5	53.57	8.94	14236	17354	16812	20541	19795	24134
	59.53	10.03	15389	18778	18304	22303	19795	24134
	64.74	11.05	16473	20066	19592	23930	19795	24134
	69.94	11.99	17422	21286	19795	24134	19795	24134
	79.62	13.84	19253	23456	19795	24134	19795	24134
	86.91	15.11	19795	24134	19795	24134	19795	24134
	88.40	15.47	19795	24134	19795	24134	19795	24134
	93.46	15.88	19795	24134	19795	24134	19795	24134
273.1	60.27	8.89	15863	19320	19320	23252	19795	24134
	67.71	10.16	17490	21354	19795	24134	19795	24134
	75.90	11.43	19049	23252	19795	24134	19795	24134
	82.59	12.57	19795	24134	19795	24134	19795	24134
	90.33	13.84	19795	24134	19795	24134	19795	24134
273.1	97.77	15.11	19795	24134	19795	24134	19795	24134
298.5	69.94	9.52	19795	24134	19795	24134	19795	24134
	80.36	11.05	19795	24134	19795	24134	19795	24134
	89.29	12.42	19795	24134	19795	24134	19795	24134
	96.73	13.56	19795	24134	19795	24134	19795	24134
339.7	81.10	9.65	19795	24134	19795	24134	19795	24134
	90.78	10.92	19795	24134	19795	24134	19795	24134
	101.20	12.19	19795	24134	19795	24134	19795	24134
	107.15	13.06	19795	24134	19795	24134	19795	24134
	114.59	13.97	19795	24134	19795	24134	19795	24134
	120.09	14.73	19795	24134	19795	24134	19795	24134
	126.49	15.44	19795	24134	19795	24134	19795	24134
	127.98	15.88	19795	24134	19795	24134	19795	24134