

NEISCO

نايسكو لإنتاج المواسير ومستلزماتها
Neisco For Pipes & Accessories Production



Table No. 1.0 SDR33 S16 PN6&PN8

ISO - 1452 - 2

Outside Diameter			SDR 33 S16				
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe		Std. Length
Min.	Max.	Max.	Min.	Max.			
mm	mm	mm	mm	mm		kg	mm
PN 6¹							
40	40.2	1.4	1.5	1.9		1.766	6000
50	50.2	1.4	1.6	2.0		2.352	6000
63	63.3	1.5	2.0	2.4		3.627	6000
75	75.3	1.6	2.3	2.8		5.007	6000
90	90.3	1.8	2.8	3.3		7.185	6000
PN 8²							
110	110.4	2.2	3.4	4.0		10.658	6000
125	125.4	2.5	3.9	4.5		13.746	6000
140	140.5	2.8	4.3	5.0		17.055	6000
160	160.5	3.2	4.9	5.6		22.010	6000
180	180.6	3.6	5.5	6.3		27.832	6000
200	200.6	4.0	6.2	7.1		34.832	6000
225	225.7	4.5	6.9	7.8		43.339	6000
250	250.8	5.0	7.7	8.7		53.719	6000
280	280.9	6.8	8.6	9.7		67.144	6000
315	316.0	7.6	9.7	10.9		85.028	6000
355	356.1	8.6	10.9	12.2		107.468	6000
400	401.2	9.6	12.3	13.8		136.797	6000
450	451.4	10.8	13.8	15.4		-	6000
500	501.5	12.0	15.3	17.1		-	6000
630	631.9	15.2	19.3	21.5		-	6000
710	712.0	17.1	21.8	24.2		-	6000

1. For nominal sizes up to 90mm, nominal pressure PN6 is based on service (design) coefficient C=2.5
2. For nominal sizes 110 mm and above, nominal pressure PN8 is based on service (design) coefficient C=2.0
3. Length tolerance is ± 10 mm (for Production and QC control purposes)

Table No. 2.0 SDR26 S12.5 PN8&PN10

ISO - 1452 - 2

Outside Diameter			SDR 26 S12.5				
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe		Std. Length
Min.	Max.	Max.	Min.	Max.			
mm	mm	mm	mm	mm		kg	mm
PN 8¹							
32	32.2	0.5	1.5	1.9		1.398	6000
40	40.2	0.5	1.6	2.0		1.865	6000
50	50.2	0.6	2.0	2.4		2.850	6000
63	63.3	0.8	2.5	3.0		4.493	6000
75	75.3	0.9	2.9	3.4		6.135	6000
90	90.3	1.1	3.5	4.1		8.875	6000
PN 10²							
110	110.4	1.4	4.2	4.9		13.002	6000



Outside Diameter			SDR 26 S 12.5					
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.		SJ	RJ	
mm	mm	mm	mm	mm		kg	kg	mm
125	125.4	1.5	4.8	5.5		16.723		6000
140	140.5	1.7	5.4	6.2		21.092		6000
160	160.5	2.0	6.2	7.1		27.628		6000
180	180.6	2.2	6.9	7.8		34.383		6000
200	200.6	2.4	7.7	8.7		42.607		6000
225	225.7	2.7	8.6	9.7		53.508		6000
250	250.8	3.0	9.6	10.8		66.269		6000
280	280.9	3.4	10.7	12.0		82.613		6000
315	316.0	3.8	12.1	13.6		105.192		6000
355	356.1	4.3	13.6	15.2		132.876		6000
400	401.2	4.8	15.3	17.1		168.437		6000
450	451.4	5.4	17.2	19.2		-		6000
500	501.5	6.0	19.1	21.3		-		6000
630	631.9	7.6	24.1	26.8		-		6000
710	712.0	8.6	27.2	30.2		-		6000

1. For nominal sizes up to 90mm, nominal pressure PN8 is based on service (design) coefficient C=2.5
2. For nominal sizes 110 mm and above, nominal pressure PN10 is based on service (design) coefficient C=2.0
3. Length tolerance is ± 10 mm (for Production and QC control purposes)

Table No. 3.0 SDR 21 S 10 PN 10 & PN 12.5

ISO - 1452 - 2

Outside Diameter			SDR 21 S 10					
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.				
mm	mm	mm	mm	mm		kg		mm
			PN 10¹					
32	32.3	0.5	1.6	2.0		1.475		6000
40	40.2	0.5	1.9	2.3		2.158		6000
50	50.2	0.6	2.4	2.9		3.401		6000
63	63.3	0.8	3.0	3.5		5.266		6000
75	75.3	0.9	3.6	4.2		7.516		6000
90	90.3	1.1	4.3	5.0		10.754		6000
			PN 12.5²					
110	110.4	1.4	5.3	6.1		16.111		6000
125	125.4	1.5	6.0	6.8		20.565		6000
140	140.5	1.7	6.7	7.6		25.741		6000
160	160.5	2.0	7.7	8.7		33.724		6000
180	180.6	2.2	8.6	9.7		42.358		6000
200	200.6	2.4	9.6	10.8		52.447		6000
225	225.7	2.7	10.8	12.1		66.245		6000
250	250.8	3.0	11.9	13.3		81.044		6000
280	280.9	3.4	13.4	15.0		102.263		6000
315	316.0	3.8	15.0	16.7		128.464		6000
355	356.1	4.3	16.9	18.8		163.045		6000



Outside Diameter			SDR 21 S 10				
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe		Std. Length
Min.	Max.	Max.	Min.	Max.			
mm	mm	mm	mm	mm	kg	kg	mm
400	401.2	4.8	19.1	21.3		207.841	6000
450	451.4	5.4	21.5	23.9			6000
500	501.5	6.0	23.9	26.5			6000
630	631.9	7.6	30.0	33.2			6000

1. For nominal sizes up to 90mm, nominal pressure PN10 is based on service (design) coefficient C=2.5
2. For nominal sizes 110 mm and above, nominal pressure PN12.5 is based on service (design) coefficient C=2.0
3. Length tolerance is ± 10 mm (for Production and QC control purposes)

Table No. 4.0 SDR 17 S 8 PN 12.5 & PN 16

ISO - 1452 - 2

Outside Diameter			SDR 17 S 8				
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe		Std. Length
Min.	Max.	Max.	Min.	Max.			
mm	mm	mm	mm	mm	kg		mm
			PN 12.5¹				
25	25.2	0.5	1.5	1.9		1.076	6000
32	32.2	0.5	1.9	2.3		1.704	6000
40	40.2	0.5	2.4	2.9		2.684	6000
50	50.2	0.6	3.0	3.5		4.118	6000
63	63.3	0.8	3.8	4.4		6.549	6000
75	75.3	0.9	4.5	5.2		9.222	6000
90	90.3	1.1	5.4	6.2		13.233	6000
			PN 16²				
110	110.4	1.4	6.6	7.5		19.670	6000
125	125.4	1.5	7.4	8.4		25.065	6000
140	140.5	1.7	8.3	9.4		31.454	6000
160	160.5	2.0	9.5	10.7		41.019	6000
180	180.6	2.2	10.7	12.0		51.867	6000
200	200.6	2.4	11.9	13.3		63.970	6000
225	225.7	2.7	13.4	15.0		81.099	6000
250	250.8	3.0	14.8	16.5		99.371	6000
280	280.9	3.4	16.6	18.5		124.798	6000
315	316.0	3.8	18.7	20.8		157.990	6000
355	356.1	4.3	21.1	23.5		201.008	6000
400	401.2	4.8	23.7	26.3		253.983	6000
450	451.4	5.4	26.7	29.6		-	6000
500	501.5	6.0	29.7	32.9		-	6000

1. For nominal sizes up to 90mm, nominal pressure PN12.5 is based on service (design) coefficient C=2.5
2. For nominal sizes 110 mm and above, nominal pressure PN12.5 is based on service (design) coefficient C=2.0
3. Length tolerance is ± 10 mm (for Production and QC control purposes)



Table No. 5.0 SDR 13.6 S6.3 PN 16 & PN 20

ISO - 1452 - 2

Outside Diameter			SDR 17 S8					
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.				
mm	mm	mm	mm	mm		kg		mm
PN 16¹								
20	20.2	0.5	1.5	1.9		0.846		6000
25	25.2	0.5	1.9	2.3		1.306		6000
32	32.2	0.5	2.4	2.9		2.111		6000
40	40.2	0.5	3.0	3.5		3.239		6000
50	50.2	0.6	3.7	4.3		4.988		6000
63	63.3	0.8	4.7	5.4		7.936		6000
75	75.3	0.9	5.6	6.4		11.222		6000
90	90.3	1.1	6.7	7.6		16.052		6000
PN 20²								
110	110.4	1.4	8.1	9.2		23.759		6000
125	125.4	1.5	9.2	10.4		30.589		6000
140	140.5	1.7	10.3	11.6		38.296		6000
160	160.5	2.0	11.8	13.2		49.955		6000
180	180.6	2.2	13.3	14.9		63.385		6000
200	200.6	2.4	14.7	16.4		77.706		6000
225	225.7	2.7	16.6	18.5		98.642		6000
250	250.8	3.0	18.4	20.5		121.500		6000
280	280.9	3.4	20.6	22.9		152.193		6000
315	316.0	3.8	23.2	25.8		192.840		6000
355	356.1	4.3	26.1	29.0		244.419		6000
400	401.2	4.8	29.4	32.6		309.908		6000
450	451.4	5.4	33.1	36.7		-		6000
500	501.5	6.0	36.8	40.7		-		6000

1. For nominal sizes up to 90 mm, nominal pressure PN16 is based on service (design) coefficient C=2.5
2. For nominal sizes 110 mm and above, nominal pressure PN20 is based on service (design) coefficient C=2.0
3. Length tolerance is ± 10 mm (for Production and QC control purposes)

Table No. 6.0 SDR 11 S5 PN 20 & PN 25

ISO - 1452 - 2

Outside Diameter			SDR 11 S5					
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.		SJ		
mm	mm	mm	mm	mm		kg		mm
PN 20¹								
20	20.2	0.5	1.9	2.3		1.022		6000
25	25.2	0.5	2.3	2.8		1.555		6000
32	32.2	0.5	2.9	3.4		2.467		6000
40	40.2	0.5	3.7	4.3		3.906		6000
50	50.2	0.6	4.6	5.3		6.045		6000
63	63.3	0.8	5.8	6.6		9.550		6000
75	75.3	0.9	6.8	7.7		13.315		6000
90	90.3	1.1	8.2	9.3		19.265		6000

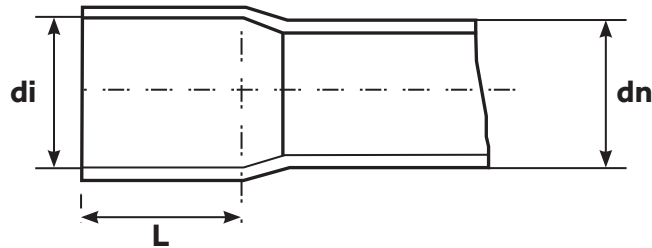


Outside Diameter			SDR 11 S5					
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.				
mm	mm	mm	mm	mm		kg		mm
			PN 25²					
110	110.4	1.4	10.0	11.2		28.556		6000
125	125.4	1.5	11.4	12.8		37.016		6000
140	140.5	1.7	12.7	14.2		46.130		6000
160	160.5	2	14.6	16.3		60.511		6000
180	180.6	2.2	16.4	18.3		76.470		6000
200	200.6	2.4	18.2	20.3		94.269		6000

1. For nominal sizes up to 90 mm, nominal pressure PN20 is based on service (design) coefficient C=2.5
2. For nominal sizes 110 mm and above, nominal pressure PN25 is based on service (design) coefficient C=2.0
3. Length tolerance is ± 10 mm (for Production and QC control purposes)

Table No. 7.0 Dimensional Specification for SJ Sockets

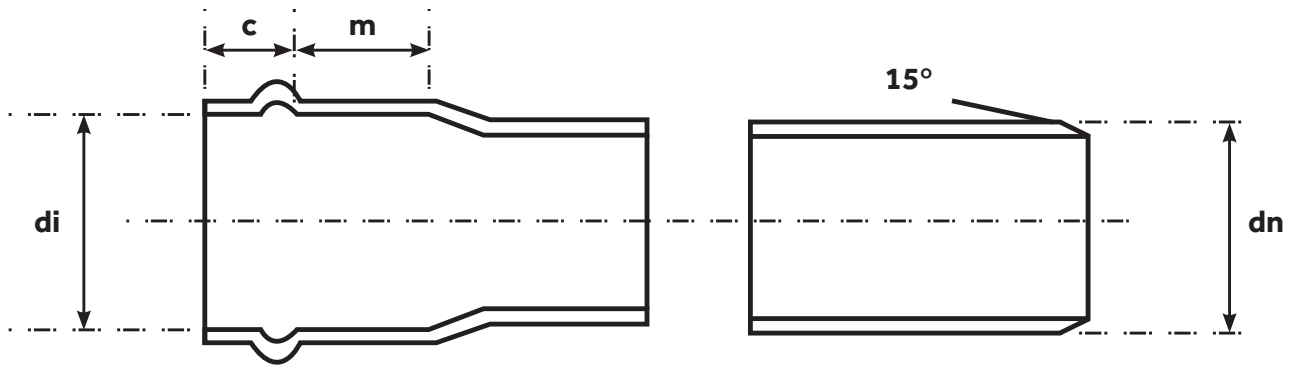
ISO - 1452 - 2



Nominal Inside Diameter of Socket (dn)	Mean Inside Diameter of Socket, di		Socket Ovality	Socket Length, L
	Minimum	Maximum	Maximum	Minimum
20	20.1	20.3	0.25	16.0
25	25.1	25.3	0.25	18.5
32	32.1	32.3	0.25	22.0
40	40.1	40.3	0.25	26.0
50	50.1	50.3	0.3	31.0
63	63.1	63.3	0.4	37.5
75	75.1	75.3	0.5	43.5
90	90.1	90.3	0.6	51.0
110	110.1	110.4	0.7	61.0
125	125.1	125.4	0.8	68.5
140	140.2	140.5	0.9	76.0
160	160.2	160.5	1.0	86.0
180	180.2	180.6	1.1	96.0
200	200.2	200.6	1.2	106.0
225	225.3	225.7	1.4	118.5
250	250.3	250.8	1.5	131.0
280	280.3	280.9	1.7	146.0
315	315.4	316	1.9	163.5
355	355.4	356.1	2.0	183.5
400	400.4	401.2	2.0	206.0

1. For nominal inside diameter, dn, of a socket shall be equal to the nominal outside diameter of the pipe.
2. The mean inside diameter, di, shall be measured at the midpoint of the socket length.





Nominal Inside Diameter of Socket (d_n)	Minimum Mean Inside Diameter of Socket	Maximum Ovality		Minimum Depth of Engagement	Length of Socket Entrance & Sealing Area
		S 20 To S 16	S 12.5 To S 5		
d_n	d_i			m	c
63	63.4	1.2	0.6	58	32
75	75.4	1.2	0.7	60	34
90	90.4	1.4	0.9	61	36
110	110.5	1.7	1.1	64	40
125	125.5	1.9	1.2	66	42
140	140.6	2.1	1.3	68	44
160	160.6	2.4	1.5	71	48
180	180.7	2.7	1.7	73	51
200	200.7	3.0	1.8	75	54
225	225.8	3.4	2.1	78	58
250	250.9	3.8	2.3	81	62
280	281.0	5.1	2.6	85	67
315	316.1	5.7	2.9	88	72
355	356.2	6.5	3.3	90	79
400	401.3	7.2	3.6	92	86
450	451.5	8.1	4.1	95	94
500	501.6	9.0	4.5	97	102
630	632.0	11.4	5.7	105	123
710	712.3	12.9	6.5	109	136

1. The wall thickness of the sockets at any point, except the sealing ring groove, shall not be less than the minimum wall thickness of the pipe.
2. The wall thickness of the sealing ring groove shall not be less than 0.8 times the minimum wall thickness of the pipe.

