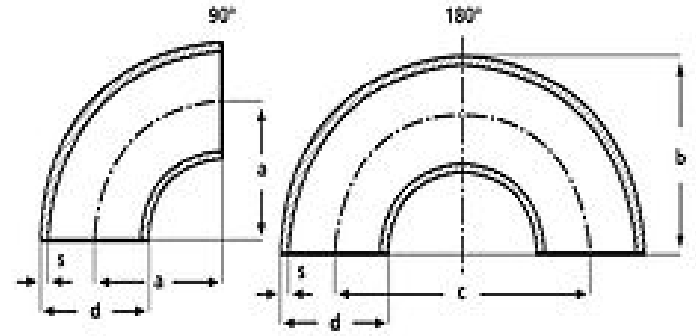


■ 90° DİKİŞLİ DİRSEK (R= 1.5 3D)

■ 90° OR WELDED ELBOW

Standartlar /Standartlar DIN 2605



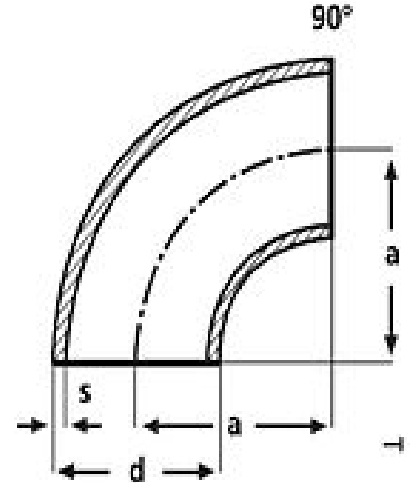
Dış çap Pipe/Size	(D)	Kalınlık mm /Thickness mm		
1/2"	21,3	2	3	-
3/4"	26,9	2	3	-
1"	33,7	2	3	-
1 1/4"	42,4	2	3	-
1 1/2"	48,3	2	3	-
2"	60,30	2	3	4
2 1/2"	76,1	2	3	4
3"	88,9	2	3	4
3 1/2"	101,6	2	3	4
4"	114,3	2	3	4
5"	141,3	2	3	4
6"	168,3	2	3	4
8"	219,1	2	3	4
10"	273,0	-	3	4
12"	323,9	-	3	4
14"	355,6	-	3	4
16"	406,4	-	3	4
18"	457,2	-	3	4
20"	508,	-	3	4

Ağırlık /Weight (Kg)		
0,04	0,066	-
0,06	0,079	-
0,10	0,2	-
0,20	0,3	-
0,20	0,356	-
0,40	0,5	0,76
0,60	0,8	1,25
0,80	1,2	1,65
1,20	1,75	2,16
1,30	2	3,00
2,10	3	4,50
3,00	4,3	6,43
5,20	7,8	10,40
-	12,00	16,10
-	11,60	17,40
-	22,00	30,00
-	29,00	38,00
-	37,00	49,00
-	65,00	86,00

■ 90° DİKİŞSİZ VE DİKİŞLİ DİRSEK (R= 1.5 3D)

■ 90° SEAMLESS OR WELDED ELBOW

ASTM A403 ANSI B 16.9



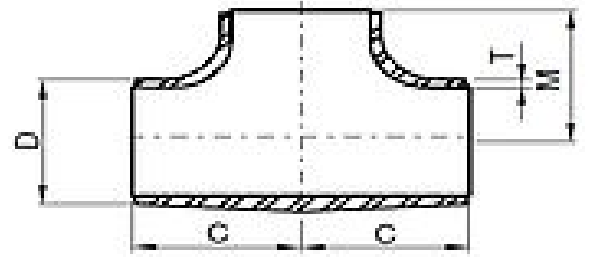
Dış çap Pipe/Size	(D)	SCH10s	SCH40s	SCH80s	SCH160
1/2"	21,3	2,11	2,77	3,73	4,78
3/4"	26,9	2,11	2,87	3,91	5,56
1"	33,7	2,77	3,38	4,55	6,35
1 1/4"	42,4	2,77	3,56	4,85	6,35
1 1/2"	48,3	2,77	3,68	5,08	7,14
2"	60,30	2,77	3,91	5,54	8,74
2 1/2"	76,1	3,05	5,16	7,01	9,53
3"	88,9	3,05	5,49	7,62	11,11
3 1/2"	101,6	3,05	5,74	8,08	12,85
4"	114,3	3,05	6,02	8,56	13,49
5"	141,3	3,4	6,55	9,53	15,88
6"	168,3	3,4	7,11	10,97	18,26
8"	219,1	3,76	8,18	12,7	23,05
10"	273,0	4,19	9,27	12,7	
12"	323,9	4,78	9,53	12,7	
14"	355,6	4,78	9,53	12,7	
16"	406,4	4,78	9,53	12,7	
18"	457,2	4,78	9,53	12,7	
20"	508,	5,54	9,53	12,7	

Ağırlık /Weight (Kg)			
0,061	0,078	0,101	0.120
0,078	0,103	0,105	0.150
0,128	0,154	0,204	0.270
0,206	0,26	0,35	0.440
0,283	0,368	0,507	0.680
0,478	0,652	0,938	1.400
0,812	1,37	1,79	2.340
1,14	2,04	2,87	4.020
1,53	2,82	4,1	8.420
1,97	3,84	5,62	15.42
3,42	6,48	9,69	25.46
4,87	10	16	55.93
10	20	32,16	
15,5	35,4	50	
25,9	56,2	73	
34,6	66,3	85	
45,2	88	112	
57,3	110	143	
82	137	177	

■ DİKİŞLİ VE DİKİŞSİZ EŞİT TEE

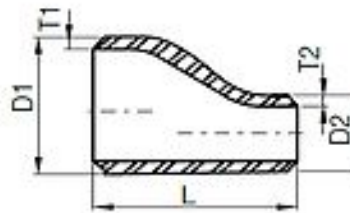
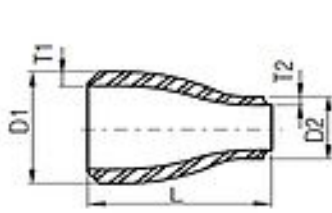
■ WELDED -SEAMLESS Equal TEE

Standartlar / Standards: ASTM 403 ANSI B 16.9



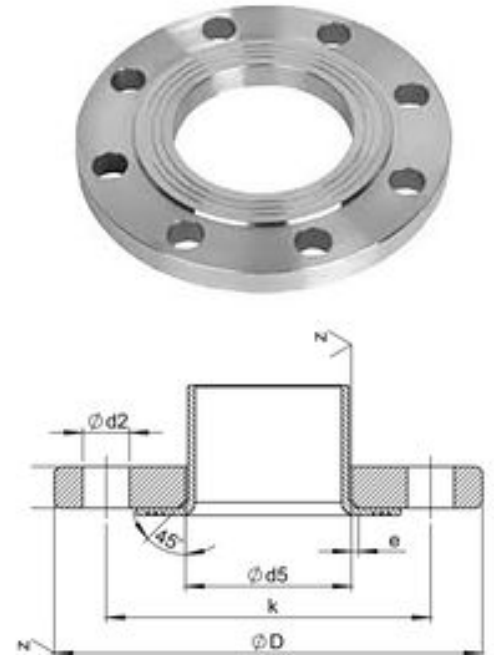
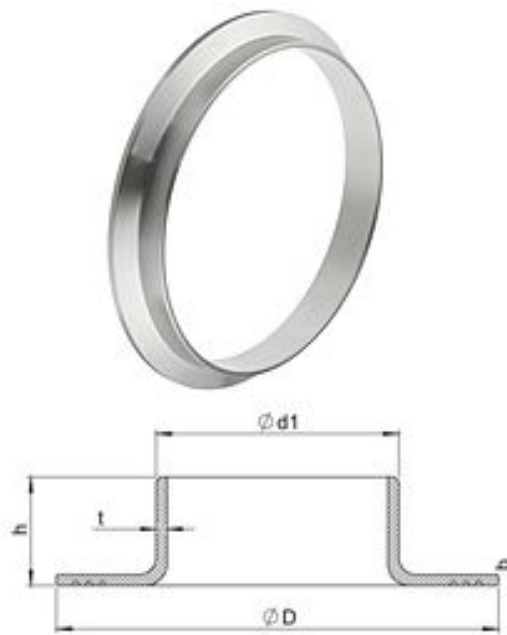
Dış Çap Nominal Pipe Size	D	Et Kalınlık-Wall Thickness SCH10s	Et Kalınlık-Wall Thickness SCH40s	Et Kalınlık-Wall Thickness SCH80s	Ağırlık /Weight (Kg) SCH10	Ağırlık /Weight (Kg) SCH40	Ağırlık /Weight (Kg) SCH80
1/2"	21,30	2,11	2,77	3,73	0.070	0.080	0.110
3/4"	26,90	2,11	2,87	3,91	0.090	0.110	0.160
1"	33.40	2,77	3,38	4,55	0.200	0.240	0.320
1 1/4"	42.4	2,77	3,56	4,85	0.330	0.410	0.540
1 1/2"	48.26	2,77	3,68	5,08	0.460	0.600	0.800
2"	60.30	2,77	3,91	5,54	0.630	0.870	1.200
2 1/2"	73.03	3,05	5,16	7,01	1.010	1.660	2.190
3"	88.90	3,05	5,49	7,62	1.370	1.900	3.250
4"	114.30	3,05	6,02	8,56	2.150	4.130	5.740
5"	141.30	3,4	6,55	9,53	3.480	6.550	9.310
6"	168.30	3,4	7,11	10,97	4.760	9.750	Ara.80
8"	219.10	3,76	8,18	12,70	8.460	18.00	27.40
10"	273.00	4,19	9,27	12,70	14.20	30.80	41.70
12"	323.90	4,78	9,53	12,70	21.60	44.20	58.40
14"	355,60	4,78	9,53	12,70	27.30	53.70	70.90
16"	406,40	4,78	9,53	12,70	33.60	66.30	87.70

■ DİKİŞSİZ-DİKİŞSİZ KONSANTRİK VE EKSANTRİK REDÜKSİYON.
 ■ SEAMLESS-WELDED CONCENTRIC AND ECCENTRIC REDUCER.
 (Standartlar /Standards: ASTM A403 ANSI B16.9)



Dış Çap/Mominal Pipe Size	O.D1xO.D2	T1xT2 /SCH10s	T1xT2 /SCH40s	Uzunluk Length (L)	Ağırlık/ SCH10s Weight (Kg)	Ağırlık/ SCH40s Weight (Kg)
3/4"x1/2"	26,9x21,3	2,11x2,11	2,87x2,77	38,10	0,090	0,105
1"x1/2"	33,4x21,3	2,77x2,11	3,38x2,77	50,80	0,089	0,105
1"x3/4"	33,7x26,9	2,77x2,11	3,38x2,87	50,80	0,089	0,116
1 1/4"x1/2"	42,4x21,3	2,77x2,11	3,56x2,77	50,80	0,125	0,157
1 1/4"x3/4"	42,4x26,9	2,77x2,11	3,56x2,87	50,80	0,125	0,158
1 1/4"x1"	42,4x33,4	2,77x2,77	3,56x3,38	50,80	0,125	0,160
1 1/2"x1/2"	42,4x26,9	2,77x2,11	3,68x2,77	63,50	0,154	0,171
1 1/2"x3/4"	48,3x26,9	2,77x2,11	3,68x2,87	63,50	0,156	0,204
1 1/2"x1"	48,3x33,4	2,77x2,77	3,68x3,38	63,50	0,170	0,205
1 1/2"x1 1/4"	48,3x42,4	2,77x2,77	3,68x3,56	63,50	0,195	0,170
2"x1/2"	60,3x21,3	2,77x2,11	3,91x2,77	76,20	0,214	0,298
2"x3/4"	60,3x26,9	2,77x2,11	3,91x2,87	76,20	0,237	0,298
2"x1"	60,3x33,4	2,77x2,77	3,91x3,38	76,20	0,258	0,237
2"x1 1/4"	60,3x42,4	2,77x2,77	3,91x3,56	76,20	0,273	0,258
2"x1 1/2"	60,3x48,3	2,77x2,77	3,91x2,77	76,20	0,273	0,273
2 1/2"x1"	76,1x33,7	3,05x2,77	5,16x3,38	76,20	0,349	0,793
2 1/2"x1 1/4"	76,1x42,4	3,05x2,77	5,16x3,56	90,00	0,394	0,793
2 1/2"x1 1/2"	76,1x48,3	3,05x2,77	5,16x3,68	90,00	0,396	0,661
2 1/2"x2"	76,1x60,3	3,05x2,77	5,16x3,91	90,00	0,432	0,724
3"x1"	88,9x33,4	3,05x2,77	5,49x3,38	90,00	0,408	0,716
3"x1 1/4"	88,9x42,4	3,05x2,77	5,49x3,56	90,00	0,444	0,775
3"x1 1/2"	88,9x48,3	3,05x2,77	5,49x3,68	90,00	0,478	0,783
3"x2"	88,9x60,3	3,05x2,77	5,49x3,91	90,00	0,548	0,846
3"x2 1/2"	88,9x76,1	3,05x3,05	5,49x5,16	90,00	0,548	0,983
4"x1 1/4"	114,4x42,4	3,05x3,05	6,02x3,56	101,50	0,630	1,241
4"x1 1/2"	114,4x48,3	3,05x3,05	6,02x3,68	101,50	0,635	1,241
4"x2"	114,4x60,3	3,05x3,05	6,02x3,91	101,50	0,656	1,270
4"x2 1/2"	114,4x76,1	3,05x3,05	6,02x5,16	101,50	0,706	1,370
4"x3"	114,4x88,9	3,05x3,05	6,02x5,49	101,50	0,748	1,450
5"x2"	141,3x60,3	3,40x3,05	6,55x3,91	127,00	1,200	2,270
5"x2 1/2"	141,3x76,1	3,40x3,05	6,55x5,16	127,00	1,210	2,279
5"x3"	141,3x88,9	3,40x3,05	6,55x5,49	127,00	1,325	2,270
5"x4"	141,3x114,3	3,40x3,05	6,55x6,02	127,00	1,350	2,864
6"x2"	168,3x60,3	3,40x2,77	7,11x3,91	140,00	1,360	2,760
6"x2 1/2"	168,3x76,1	3,40x3,05	7,11x5,16	140,00	1,365	2,740
6"x3"	168,3x88,9	3,40x3,05	7,11x5,49	140,00	1,500	3,040
6"x4"	168,3x114,3	3,40x3,05	7,11x6,02	140,00	1,620	3,300
6"x5"	168,3x141,3	3,40x3,40	7,11x6,55	140,00	1,710	3,570
8"x3"	219,1x88,9	3,76x3,05	8,18x5,49	152,00	2,565	5,240
8"x4"	219,1x114,3	3,76x3,05	8,18x6,02	152,00	2,687	5,100
8"x5"	219,1x141,3	3,76x3,40	8,18x6,55	152,00	2,850	5,200
8"x6"	219,1x168,3	3,76x3,40	8,18x7,11	152,00	2,900	5,710
10"x4"	273x114,3	4,19x3,05	9,27x6,02	178,00	3,250	8,365
10"x5"	273x141,3	4,19x3,40	9,27x6,55	178,00	3,300	8,540
10"x6"	273x168,3	4,19x3,40	9,27x7,11	178,00	3,870	8,656
12"x6"	323,9x168,3	4,78x3,40	9,27x7,11	204,00	6,016	12,400
12"x8"	323,9x219,1	4,78x3,76	9,53x8,18	204,00	6,110	13,700
12"x10"	323,9x273	4,78x4,19	9,53x9,27	204,00	6,550	14,100

■ YAKA VE SERBEST FLANŞ
■ COLLAR AND LAPPED FLANGE

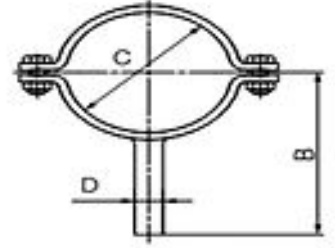


Yaka/Collars									Flanş/Flange										
Boyut/ Dimension	d1		D	t		h	Ağırlık/Weight Kg		Boyut/ Dimensions	Boru Çapı d1		D	b	k	e	d5	Delik Sayısı/ Number of hole	d2	Ağırlık/ Weight kg
NW									DN										
10	-	14	40	-	1.5	9	-	0.020	10	-	14	90	14	60	3	16	4	14	0.610
	17.2	-		2.5	-		0.020	-		17.2	-					19			
15	-	20	45	-	2	9	-	0.020	15	-	20	95	14	65	3	22	4	14	0.703
	21.3	-		2.5	-		0.020	-		21.3	-					24			
20	-	25	58	-	2	12	-	0.040	20	-	25	105	14	75	3	28	4	14	0.822
	26.9	-		2.5	-		0.040	-		26.9	-					30			
25	-	30	68	-	2	15	-	0.050	25	-	30	115	16	85	4	33	4	14	1.130
	33.7	-		3	-		0.080	-		33.7	-					36			
32	-	38	78	-	2	15	-	0.070	32	-	38	140	16	100	4	42	4	18	1.673
	42.4	-		3	-		0.150	-		42.4	-					46			
40	-	44.5	88	-	2	17	-	0.090	40	-	44.5	150	16	110	4	50	4	18	1.897
	48.3	-		3	-		0.180	-		48.3	-					54			
50	-	54	102	-	2	22	-	0.120	50	-	54	165	16	125	5	62	4	18	2.244
	60.3	-		3	-		0.180	-		60.3	-					65			
65	76.1	70	122	3	2	22	0.240	0.160	65	76.1	70	185	16	145	5	81	4	18	2.682
80	88.9	84	138	3	2	23	0.300	0.200	80	88.9	-	200	18	160	5	94	8	18	3.385
	-	104	-	-	2	-	-	0.250		-	104					113			
100	114.3	-	158	3	-	28	0.360	-	100	114.3	-	220	18	180	5	119	8	18	3.743
	-	129	-	-	2	-	-	0.340		-	129					138			
125	139.7	-	188	3	-	30	0.460	-	125	139.7	-	250	18	210	5	145	8	18	4.630
	-	154	-	-	2	-	-	0.380		-	154					164			
150	168.3	-	212	3	-	30	0.550	-	150	168.3	-	285	18	240	5	173	8	2	5.710
	-	206	268	4	3	30	0.700	0.830		206	206					225			
200	219.1	206	268	4	3	30	0.700	0.830	200	219.1	206	340	20	295	5	225	8	22	7.610
	-	256	-	-	3	-	-	1.040		-	256	395	22	350	5	273	12	22	10.550
250	273	-	320	4	-	30	1.260	-	250	273	-					279			
	323.9	306	370	4	3	35	1.470	1.280		323.9	306	445	26	400	5	329	12	22	14.280
300	355.6	356	430	4	3	35	2.360	1.610	300	355.6	356					362			
	-	-	-	-	-	-	-	-		-	-	505	28	460	6	374	16	22	18.900
350	-	-	430	-	-	-	-	-	350	-	-					413			
	406.4	-	-	4	-	40	2.640	-		406.4	-					426			
400	-	-	482	-	-	-	-	-	400	-	-	565	32	515	6	461	16	26	25.510
	-	-	-	-	-	-	-	-		-	-					486			
450	457.2	456	535	4	3	45	3.250	2.160	450	457.6	-	615	32	620	6	461	20	26	32.400
	-	-	-	-	-	-	-	-		-	-					517			
500	508	-	585	4	-	45	3.740	-	500	508	-	670	38	620	6	517	50	26	37.800
	-	-	-	-	-	-	-	-		-	-					618			
600	610	-	685	5	-	45	6.800	-	600	610	-	780	44	725	7	618	20	30	57.450
	-	-	-	-	-	-	-	-		-	-					721			
700	711	-	800	5	-	45	8.300	-	700	711	-	895	50	840	7	721	24	30	80.400
	-	-	-	-	-	-	-	-		-	-					824			
800	813	-	905	5	-	45	9.400	-	800	813	-	1015	56	950	7	824	24	33	113.200

■ ISO NORMU SAPLI KELEPÇE

■ ISO NORM HANDLE CLAMP

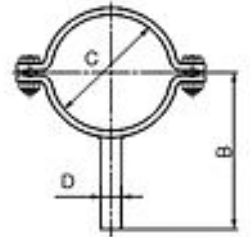
Ölçü-Size	C	D	B	Kalınlık Thickness	Cıvata Bolt
1/2"	21,3	6	61	2	4
3/4"	26,9	6	66	2	4
1"	33,7	8	72,1	2,5	6
1 1/4"	42,4	10	78,5	2,5	8
1 1/2"	48,3	12	82	2,5	8
2"	60,3	12	88,5	2,5	8
2 1/2"	76,1	12	96	2,5	8
3"	88,9	12	102	3	8
4"	114,3	12	115,7	3	8
5"	139,7	16	144	3	8
6"	168,3	16	161	3	8
8"	219,1	20	187	4	8



■ DIN 11850 SAPLI BORU KELEPÇE

■ DIN 11850 Stalked Pipe Hanger

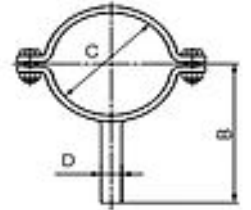
Ölçü-Size	C	D	B	Kalınlık Thickness
15	18	8	66,6	2
20	22	8	67,8	2
25	28	10	71	2
32	34	10	74	2
40	40	10	77	2
50	52	12	83	2
65	70	12	93	2,6
80	85	12	100,4	2,6
100	104	12	110	3
125	129	16	140	3
150	154	16	152,5	3
200	204	18	161	3



■ SMS SAPLI BORU KELEPÇESİ

■ SMS Stalked Pipe Hanger

Ölçü-Size	C	D	B	Kalınlık Thickness
1"	25	10	70	2
1 1/2"	38	10	76	2
2"	51	12	83	2
2 1/2"	63,5	12	90	2,5
3"	76,1	12	96	2,5
4"	101,6	16	109	2,5



■ HORTUM KELEPÇESİ.

■ HOSE HANGER

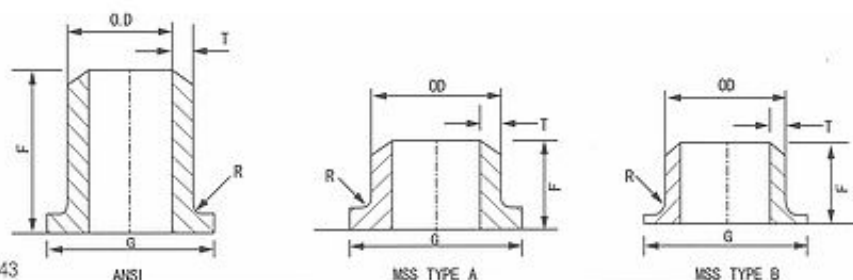
Ölçü-Size
12x20
16x25
20x32
25x40
32x50
40x60
50x70



■ KAYNAK AĞIZLI SUTUBENT
■ ANSI BUTT WELD FITTINGS

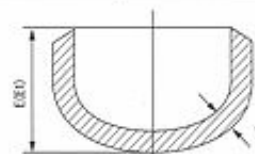


LAP JOINT STUB ENDS
DIMENSION ASME/ASME/ANSI B16.9-1986 MSS SP-43



NOMINAL PIPE SIZE INCH	OUTSIDE DIAMETER O.D.	STUB END						NOMINAL PIPE SIZE INCH
		G	ANSI		MSS			
			F	R	F	TYPE A R	TYPE B R	
1/2	21.3	35	76	3	51	3	0.8	1/2
3/4	26.7	43	76	3	51	3	0.8	3/4
1	33.4	51	102	3	51	3	0.8	1
1-1/4	42.2	64	102	5	51	5	0.8	1 1/4
1-1/2	48.3	73	102	6	51	6	0.8	1 1/2
2	60.3	92	152	8	64	8	0.8	2
2-1/2	73.0	105	152	8	64	8	0.8	2 1/2
3	88.9	127	152	10	64	10	0.8	3
3-1/2	101.6	140	152	10	76	10	0.8	3 1/2
4	114.3	157	152	11	76	11	1.6	4
5	141.3	186	203	11	76	11	1.6	5
6	168.3	216	203	13	89	13	1.6	6
8	219.1	270	203	13	102	13	1.6	8
10	273	324	254	13	127	13	1.6	10
12	323.9	381	254	13	152	13	1.6	12
14	355.6	413	254	13	152	13	1.6	14
16	406.4	470	254	13	152	13	1.6	16
18	457.2	533.5	254	13	152	13	1.6	18
20	508	584	254	13	152	13	1.6	20
24	609.1	692	254	13	152	13	1.6	24

■ KAYNAK AĞIZLI KEP
■ ANSI BUTT WELD CAP

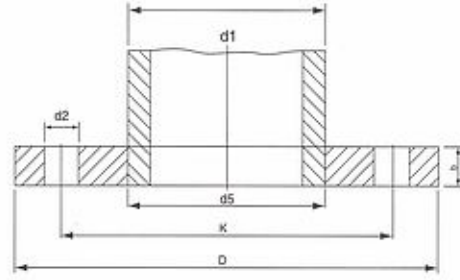


Nominal Pipe Size DN(in)	Outside Diameter at Bevel	Length		Limiting Wall Thickness for Length E
		D	E ₁	
1/2	21.3	25.4	25.4	3.73
3/4	26.7	25.4	25.4	3.91
1	33.4	38.1	38.1	4.55
1-1/4	42.2	38.1	38.1	4.85
1-1/2	48.3	38.1	38.1	5.08
2	60.3	38.1	44.5	4.54
2-1/2	73.0	38.1	50.8	7.01
3	88.9	50.8	63.5	7.62
3-1/2	101.6	63.5	76.2	8.08
4	114.3	63.5	76.2	8.56
5	141.3	76.2	88.9	9.53
6	168.3	88.9	101.6	10.97
8	219.1	101.6	127.0	12.70
10	273.1	127.0	152.4	12.70
12	323.9	152.4	177.8	12.70
14	355.6	165.1	190.5	12.70
16	406.4	177.8	203.2	12.70

Nominal Pipe Size DN(in)	Outside Diameter at Bevel	Length		Limiting Wall Thickness for Length E
		D	E ₁	
18	457.2	203.2	228.6	12.70
20	508.0	228.6	254.0	12.70
22	558.8	254.0	254.0	12.70
24	609.6	266.7	304.8	12.70
26	660.4	266.7	--	--
28	711.2	266.7	--	--
30	762.0	266.7	--	--
32	812.8	266.7	--	--
34	863.6	266.7	--	--
36	914.4	266.7	--	--
38	965.2	266.7	--	--
40	1016.0	304.8	--	--
42	1066.8	304.8	--	--
44	1117.6	304.8	--	--
46	1168.4	342.9	--	--
48	1219.2	342.9	--	--

■ DIN 2576,PN 16 FLANGE

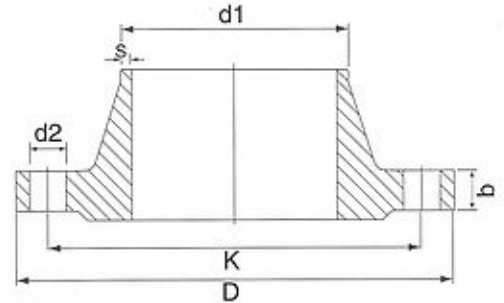
■ TS EN 1092-1 PN 16 DÜZ FLANŞ



DN	d ₁ Reihe 1	d ₁ Reihe 2	D	b	k	d ₅ Reihe 1	d ₅ Reihe 2	d ₂ Schrauben	Weight Reihe 1/2
10	17.2	14.0	90	14	60	17.7	14.5	4×M 12×50mm	0.605 / 0.613
15	21.3	20.0	95	14	65	22.0	21.0	4×M 12×50mm	0.669 / 0.675
20	26.9	25.0	105	16	75	27.6	26.0	4×M 12×55mm	0.936 / 0.749
25	33.7	30.0	115	16	85	34.4	31.0	4×M 12×55mm	1.110 / 1.140
32	42.4	38.0	140	16	100	43.1	39.0	4×M 16×55mm	1.620 / 1.660
40	48.3	44.5	150	16	110	49.0	45.5	4×M 16×55mm	1.860 / 1.890
50	60.3	57.0	165	18	125	61.1	58.1	4×M 16×60mm	2.470 / 2.510
65	76.1	-	185	18	145	77.1	-	4×M 16×60mm	3.000
80	88.9	-	200	20	160	90.3	-	8×M 16×65mm	3.790
100	114.3	108.0	220	20	180	115.9	109.6	8×M 16×65mm	4.030 / 4.200
125	139.7	133.0	250	22	210	141.6	134.8	8×M 16×70mm	5.460 / 5.710
150	168.3	159.0	285	22	240	170.5	161.1	8×M 20×70mm	6.570 / 6.720
200	219.1	-	340	24	295	221.8	-	8×M 20×75mm	9.310
250	273.0	267.0	395	26	350	276.2	270.2	12×M 20×80mm	11.90 / 12.50
300	323.9	-	445	26	400	327.6	-	12×M 20×80mm	13.80
350	355.6	368.0	505	28	460	359.7	372.2	16×M 20×85mm	20.60 / 19.00
400	406.4	419.0	565	32	515	411.0	423.7	16×M 24×95mm	27.90 / 25.90

■ DIN 2633,PN 16 WELDING NECK FLANGE

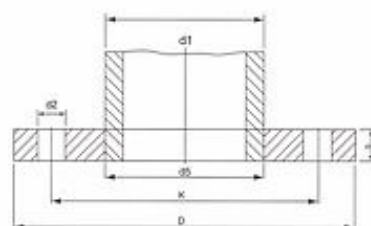
■ DIN 2633, PN 16 KAYNAK BOYUNLU FLANŞ



DN	d ₁ Reihe 1	d ₂ Reihe 2	D	b	k	s	d ₂ Schrauben	Weight
10	17.2	14.0	90	14	60	1.8	4×M 12×50mm	0.580
15	21.3	20.0	95	14	65	2.0	4×M 12×50mm	0.648
20	26.9	25.0	105	16	75	2.3	4×M 12×55mm	0.952
25	33.7	30.0	115	16	85	2.6	4×M 12×55mm	1.140
32	42.4	38.0	140	16	100	2.6	4×M 16×55mm	1.690
40	48.3	44.5	150	16	110	2.6	4×M 16×55mm	1.860
50	60.3	57.0	165	18	125	2.9	4×M 16×60mm	2.530
65	76.1	-	185	18	145	2.9	4×M 16×60mm	3.060
80	88.9	-	200	20	160	3.2	8×M 16×65mm	3.700
100	114.3	108.0	220	20	180	3.6	8×M 16×65mm	4.620
125	139.7	133.0	250	22	210	4.0	8×M 16×70mm	6.300
150	168.3	159.0	285	22	240	4.5	8×M 20×70mm	7.750
200	219.1	-	340	24	295	5.9	12×M 20×75mm	11.00
250	273.0	267.0	405	26	355	6.3	12×M 24×80mm	15.60
300	323.9	-	460	28	410	7.1	12×M 24×85mm	22.00
350	355.6	368.0	520	30	470	8.0	16×M 24×90mm	31.2/28.8
400	406.4	419.0	580	32	525	8.0	16×M 27×95mm	39.3/36.3

■ DIN 2576, PN 40 FLAT FLANGE

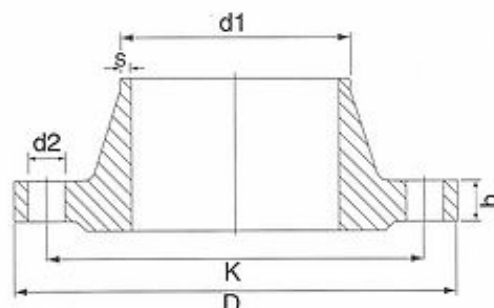
■ DIN 2576, PN 40 DÜZ FLANŞ



DN	D	b	k	d ₂	Weight
10	90	16	60	4×M 12×55mm	0.50
15	95	16	65	4×M 12×55mm	0.67
20	105	18	75	4×M 12×60mm	0.94
25	115	18	85	4×M 12×60mm	1.11
32	140	18	100	4×M 16×60mm	1.62
40	150	18	110	4×M 16×60mm	1.86
50	165	20	125	4×M 16×65mm	2.47
65	185	22	145	8×M 16×70mm	3.00
80	200	24	160	8×M 16×75mm	3.79
100	235	24	190	8×M 20×75mm	4.03
125	270	26	220	8×M 24×80mm	5.46
150	300	28	250	8×M 24×85mm	6.57
200	375	34	320	12×M 27×100mm	9.10
250	450	38	385	12×M 30×110mm	11.40
300	515	42	450	16×M 30×120mm	13.80
350	580	46	510	16×M 33×130mm	19.00
400	660	50	585	16×M 36×140mm	25.50

■ DIN 2635, PN 40 WELDING NECK FLANGE

■ DIN 2635, PN 40 KAYNAK BOYUNLU FLANŞ



DN	d ₁ Reihe 1	d ₂ Reihe 2	D	b	k	s	d ₂ Schrauben	Weight
10	17.2	14.0	90	16	60	1.8	4×M 12×50mm	0.661
15	21.3	20.0	95	16	65	2.0	4×M 12×50mm	0.746
20	26.9	25.0	105	18	75	2.3	4×M 12×55mm	1.06
25	33.7	30.0	115	18	85	2.6	4×M 12×55mm	1.29
32	42.4	38.0	140	18	100	2.6	4×M 16×55mm	1.88
40	48.3	44.5	150	18	110	2.6	4×M 16×55mm	2.33
50	60.3	57.0	165	20	125	2.9	4×M 16×60mm	2.83
65	76.1	-	185	22	145	2.9	4×M 16×60mm	3.74
80	88.9	-	200	24	160	3.2	8×M 16×65mm	4.75
100	114.3	108.0	220	24	180	3.6	8×M 16×65mm	6.52
125	139.7	133.0	250	26	210	4.0	8×M 16×70mm	9.07
150	168.3	159.0	285	28	240	4.5	8×M 20×70mm	11.80
200	219.1	-	340	34	295	5.9	12×M 20×75mm	21.50
250	273.0	267.0	405	38	355	6.3	12×M 24×80mm	34.90
300	323.9	-	460	42	410	7.1	12×M 24×85mm	49.70
350	355.6	368.0	520	46	470	8.0	16×M 24×90mm	68.10
400	406.4	419.0	580	50	525	8.0	16×M 27×95mm	96.50

- DIN 2527, PN 10 BLIND FLANGE
- DIN 2527, PN 10 KÖR FLANŞ



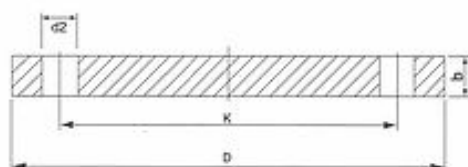
DN	D	b	k	d ₂	Weight
10–175	Blindfiansche nach DIN 2527, PN16 verwenden				
200	340	24	295	8 × M 20 × 75mm	16.50
250	395	26	350	12 × M 20 × 80mm	24.00
300	445	26	400	12 × M 20 × 80mm	30.90
350	505	26	460	16 × M 20 × 80mm	40.60
400	565	26	515	16 × M 24 × 80mm	49.40

- DIN 2527, PN 16 BLIND FLANGE
- DIN 2527, PN 16 KÖR FLANŞ



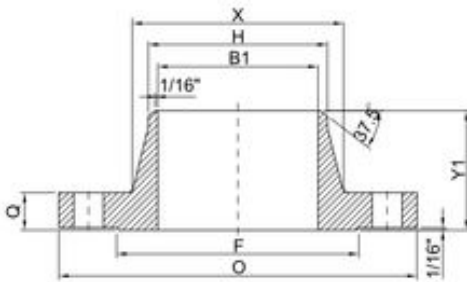
DN	D	b	k	d ₂	Weight
10	90	14	60	4 × M 12 × 50mm	0.630
15	95	14	65	4 × M 12 × 50mm	0.720
20	105	16	75	4 × M 12 × 55mm	1.010
25	115	16	85	4 × M 12 × 55mm	1.230
32	140	16	100	4 × M 16 × 55mm	1.800
40	150	16	110	4 × M 16 × 55mm	2.090
50	165	18	125	4 × M 16 × 60mm	2.880
65	185	18	145	4 × M 16 × 60mm	3.660
80	200	20	160	8 × M 16 × 65mm	4.770
100	220	20	180	8 × M 16 × 65mm	5.650
125	250	22	210	8 × M 16 × 70mm	8.420
150	285	22	240	8 × M 20 × 70mm	10.40
200	340	24	295	12 × M 20 × 75mm	16.10
250	405	26	355	12 × M 24 × 80mm	24.90
300	460	28	410	12 × M 24 × 85mm	35.10
350	520	30	470	16 × M 24 × 90mm	47.80
400	580	32	525	16 × M 27 × 95mm	63.50

- DIN 2527, PN 40 BLIND FLANGE
- DIN 2527, PN 40 KÖR FLANŞ

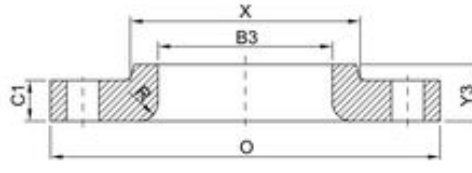


DN	D	b	k	d ₂	Weight
10	90	16	60	4 × M 12 × 55mm	0.720
15	95	16	65	4 × M 12 × 55mm	0.810
20	105	18	75	4 × M 12 × 60mm	1.240
25	115	18	85	4 × M 12 × 60mm	1.380
32	140	18	100	4 × M 16 × 60mm	2.030
40	150	18	110	4 × M 16 × 60mm	2.350
50	165	20	125	4 × M 16 × 65mm	3.200
65	185	22	145	8 × M 16 × 70mm	4.290
80	200	24	160	8 × M 16 × 75mm	5.880
100	235	24	190	8 × M 20 × 75mm	7.540
125	270	26	220	8 × M 24 × 80mm	10.80
150	300	28	250	8 × M 24 × 85mm	14.50
200	375	34	320	12 × M 27 × 100mm	27.20
250	450	38	385	12 × M 30 × 110mm	43.80
300	515	42	450	16 × M 30 × 120mm	63.30
350	580	46	510	16 × M 33 × 130mm	89.50
400	660	50	585	16 × M 36 × 140mm	127.0

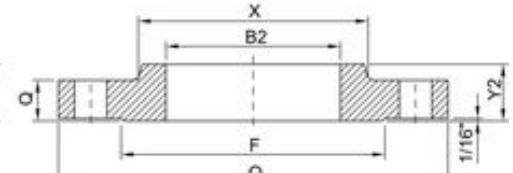
■ 150 LB ANSI B16.5 FLANŞLAR
■ CLAS 150 ANSI B16.5 FLANGES



KAYNAK BOYUNLU/WELDING NECK



LAP-JOINT



SLIP-ON

Kaynak Boyunlu/Welding Neck				Lap Joint			Slip-on				
Boru Çapı/ Nominal Pipe Size	Dış Çap/ Outside Diameter (mm)	Kalınlık/ Thickness (mm)	Kalınlık/ Thickness of Lap Joint (mm)	Fatura Çapı/ Raised Face Diameter	Dönüş Açısı/ Corner Radius of Bore of Lap Joint	Boğaz Çapı/Bore			Boyun Uzunluğu/Length thru hub		
						Kaynak Boyunlu/ Soket Kaynaklı- Welding Neck/Socket Welding	Slip-On/ Soket Kaynaklı- Slip-On/ Socket Welding	Lap Joint	Kaynak Boyunlu/ Welding Neck	Slip-On/ Dişli/ Soket Kaynaklı- Slip-On/ Threaded/ Socket Welding	Lap Joint
	O	Q	C1	F	R	B1	B2	B3	Y1	Y2	Y3
1/2	90	9.6	11.2	34.9	3.0	15.8	22.2	22.9	46.0	14.0	16.0
3/4	100	11.2	12.7	42.9	3.0	20.9	27.7	28.2	51.0	14.0	16.0
1	110	12.7	14.3	50.8	3.0	26.6	34.5	34.9	54.0	16.0	17.0
1 1/4	115	14.3	15.9	63.5	5.0	35.1	43.2	43.7	56.0	19.0	21.0
1 1/2	125	15.9	17.5	73.0	6.0	40.9	49.5	50.0	60.0	21.0	22.0
2	150	17.5	19.1	92.1	8.0	52.5	61.9	62.5	62.0	24.0	25.0
2 1/2	180	20.7	22.3	104.8	8.0	62.7	74.6	75.4	68.0	27.0	29.0
3	190	22.3	23.9	127.0	10.0	77.9	90.7	91.4	68.0	29.0	30.0
4	230	22.3	23.9	157.2	11.0	102.3	116.1	116.8	75.0	32.0	33.0
5	255	22.3	23.9	185.7	11.0	128.2	143.8	144.4	87.0	35.0	36.0
6	280	23.9	25.4	215.9	13.0	154.1	170.7	171.4	87.0	38.0	40.0
8	345	27.0	28.6	269.9	13.0	202.7	221.5	222.2	100.0	43.0	44.0
10	405	28.6	30.2	323.8	13.0	254.6	276.2	277.4	100.0	48.0	49.0
12	485	30.2	31.8	381.0	13.0	304.8	327.0	328.2	113.0	54.0	56.0
14	535	33.4	35.0	412.8	13.0		359.2	360.2	125.0	56.0	79.0
16	595	35.0	36.6	469.9	13.0		410.5	411.2	125.0	62.0	87.0
18	635	38.1	39.7	533.4	13.0		461.8	462.3	138.0	67.0	97.0
20	700	41.3	42.9	584.2	13.0		513.1	514.4	143.0	71.0	103.0
24	815	46.1	47.7	692.2	13.0		616.0	616.0	151.0	81.0	111.0