



BMES®

MÜHENDİSLİK VE DIŞ TİCARET

FITTINGS

Alüminyum Fittings

Dikişli ve Dikişsiz

(Seam Welded and Seamless)

Standart (Norm) : ASME SB 241-ASME SB 210

ANSI B. 36.19-B. 36.10

EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"

AlMgSi0,7 "6063" - AlMgSi1 "6082"

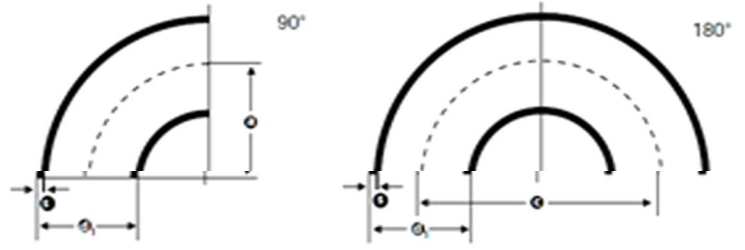
AlMg3 "5754" - AW 6005

AlMg5 - AlMg4,5Mn "5083"- AA5124

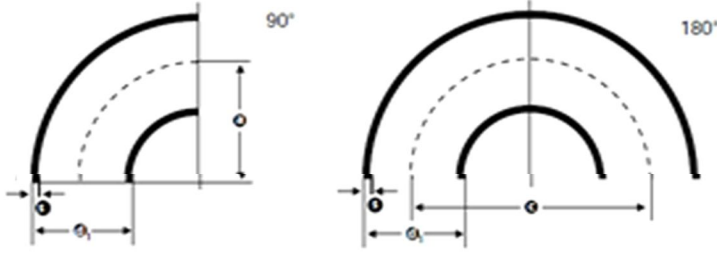


BMES®

MÜHENDİSLİK VE DİŞ TİCARET



Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	90 ° a	Tolerans	Sched	180 ° c	Tolerans
20 x 2,0 mm	26	± 2,5		52	± 5,0
21 x 3,0 mm	26	± 2,5		85	
1/2" (21,34 x 2,11 mm)	38,1		Sched10		
1/2" (21,34 x 2,77 mm)	38,1		Sched40		
1/2" (21,34 x 3,73 mm)	38,1		Sched80		
25 x 2,5 mm	27,5	± 2,5		55	± 5,0
3/4" (26,67 x 2,11 mm)	28,6		Sched10		
3/4" (26,67 x 2,87 mm)	28,6		Sched40		
3/4" (26,67 x 3,91 mm)	28,6		Sched80		
30 x 2,5 mm	33,5	± 2,5		67	± 5,0
30 x 5,0 mm	33,5	± 2,5		67	± 5,0
31 x 3,0 mm	33,5	± 2,5		67	± 5,0
1" (33,40 x 2,77 mm)	38,1		Sched10		
1" (33,40 x 3,38 mm)	38,1		Sched40		
1" (33,40 x 4,55 mm)	38,1		Sched80		
35 x 2,5 mm	40	± 2,5		80	± 5,0
38 x 3,0 mm	45	± 2,5		90	± 5,0
40 x 3,0 mm	48	± 2,5		96	± 5,0
40 x 5,0 mm	48	± 2,5		96	± 5,0
42 x 3,0 mm	48	± 2,5		96	± 5,0
1 1/4" (42,16 x 2,77 mm)	47,6		Sched10		
1 1/4" (42,16 x 3,56 mm)	47,6		Sched40		
1 1/4" (42,16 x 4,85 mm)	47,6		Sched80		
45 x 2,5 mm	51	± 2,5		102	± 5,0
45 x 5,0 mm	51	± 2,5		102	± 5,0
46 x 3,0 mm	51	± 2,5		102	± 5,0
48 x 4,0 mm	51	± 2,5		102	± 5,0
1 1/2" (48,26 x 2,77 mm)	57,2		Sched10		
1 1/2" (48,26 x 3,68 mm)	57,2		Sched40		
1 1/2" (48,26 x 5,08 mm)	57,2		Sched80		
50 x 3,0 mm	64	± 2,5		128	± 5,0
50 x 4,0 mm	64	± 2,5		128	± 5,0
50 x 5,0 mm	64	± 2,5		128	± 5,0
56 x 3,0 mm	72	± 3,0		144	± 6,0
60 x 3,0 mm	76	± 3,0		152	± 6,0
60 x 4,0 mm	76	± 3,0		152	± 6,0
60 x 5,0 mm	72	± 3,0		144	± 6,0
2" (60,33 x 2,77 mm)	76,2		Sched10		
2" (60,33 x 3,91 mm)	76,2		Sched40		
2" (60,33 x 5,54 mm)	76,2		Sched80		
65 x 4,0 mm	80	± 3,0		160	± 6,0
70 x 5,0 mm	85	± 3,0		170	± 6,0
71 x 3,0 mm	92	± 3,0		184	± 6,0
2 1/2" (73,03 x 3,05 mm)	95,3		Sched10		
2 1/2" (73,03 x 5,16 mm)	95,3		Sched40		
2 1/2" (73,03 x 7,01 mm)	95,3		Sched80		
80 x 3,0 mm	115	± 3,0		230	± 6,0
80 x 5,0 mm	110	± 3,0		220	± 6,0
86 x 3,0 mm	114,5	± 3,0		229	± 6,0
3" (88,9 x 3,05 mm)	114		Sched10		
3" (88,9 x 5,49 mm)	114		Sched40		
3" (88,9 x 7,62 mm)	114		Sched80		



Dikişli ve Dikişsiz

(Seam Welded and Seamless)

Standart (Norm) : ASME SB 241-ASME SB 210

ANSI B. 36.19-B. 36.10

EN 573-2, EN 755-2

Alaşımlar (Alloys) : AI99,5 / 99,8 - AlMgSi0,5 "6060"

AlMgSi0,7 "6063" - AlMgSi1 "6082"

AlMg3 "5754" - AW 6005

AlMg5 - AlMg4,5Mn "5083"- AA5124

Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	90 ° a	Tolerans	Sched	180 ° c	Tolerans
89 x 3,0 mm	114,5	+3,0		229	+6,0
89 x 4,0 mm	114,5	+3,0		229	+6,0
90 x 3,0 mm	114,5	+3,0		229	+6,0
90 x 4,0 mm	114,5	+3,0		229	+6,0
90 x 5,0 mm	114,5	+3,0		229	+6,0
100 x 3,0 mm	140	+3,0		280	+6,0
100 x 5,0 mm	140	+3,0		280	+6,0
106 x 3,0 öö	142,5	+3,0		285	+6,0
108 x 4,0 mm	142,5	+3,0		285	+6,0
110 5,0 mm	142,5	+3,0		285	+6,0
114 x 3,0 mm	152,5	+3,0		305	+6,0
4" (114,30 x 3,05 mm)	152		Sched10		
4" (114,30 x 6,02 mm)	152		Sched40		
4" (114,30 x 8,56 mm)	152		Sched80		
120 x 5,0 mm	155	+3,0		310	+8,0
131 x 3,0 mm	181	+3,0		362	+8,0
133 x 4,0 mm	181	+3,0		362	+8,0
140 x 4,0 mm	190	+4,0		380	+8,0
5" (141,30 x 3,40 mm)	191		Sched10		
5" (141,30 x 6,55 mm)	191		Sched40		
5" (141,30 x 9,53 mm)	191		Sched80		
150 x 5,0 mm	230	+4,0		460	+8,0
156 x 3,0 mm	216	+4,0		432	+8,0
159 x 3,0 mm	216	+4,0		432	+8,0
159 x 4,0 mm	216	+4,0		432	+8,0
160 x 5,0 mm	216	+4,0		432	+8,0
6" (168,30 x 3,40 mm)	229		Sched10		
168 x 5,0 mm	228,5	+4,0		457	+8,0
6" (168,30 x 6,55 mm)	229		Sched40		
6" (168,30 x 10,97 mm)	229		Sched80		
200 x 5,0 mm	305	+4,0		610	+8,0
206 x 3,0 mm	305	+4,0		610	+8,0
208 x 4,0 mm	305	+4,0		610	+8,0
219 x 3,0 mm	305	+4,0		610	+8,0
8" (219 x 3,76 mm)	305		Sched10		
219 x 4,0 mm	305	+4,0		610	+8,0
219 x 5,0 mm	305	+4,0		610	+8,0
8" (219 x 7,18 mm)	305		Sched40		
8" (219 x 12,70 mm)	305		Sched80		
258 x 4,0 mm	385	+5,0		770	+10,0
273 x 4,0 mm	381	+5,0		762	+10,0
10" (273 x 4,16 mm)	381		Sched10		
10" (273 x 9,27 mm)	381		Sched40		
10" (273 x 15,00 mm)	381		Sched80		
12" (323,85 x 4,57 mm)	457		Sched10		

Alüminyum Fittings

Dikişli ve Dikişsiz

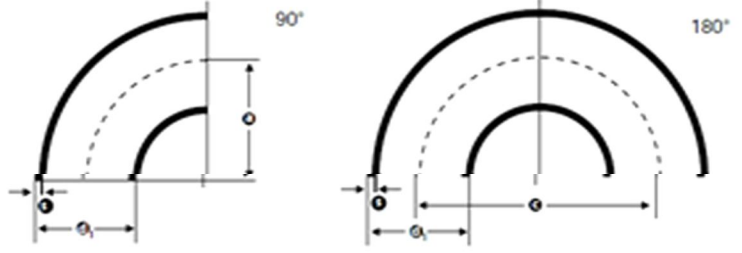
(Seam Welded and Seamless)

Standart (Norm) : ASME SB 241-ASME SB 210

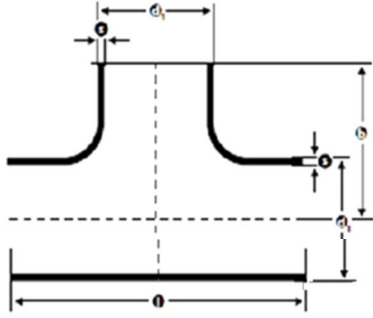
ANSI B. 36.19-B. 36.10

EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"
AlMgSi0,7 "6063" - AlMgSi1 "6082"
AlMg3 "5754" - AW 6005
AlMg5 - AlMg4,5Mn "5083" - AA5124



Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	90 ° a	Tölerans	Sched	180 ° c	Tölerans
12" (323,85 x 9,53 mm)	457		Sched40		
12" (323,85 x 17,45 mm)	457		Sched80		
324 x 4,0 mm	457	± 5,0		914	± 10,0
14" (355,60 x 4,78 mm)	533		Sched10		
14" (355,60 x 7,78 mm)	533		Sched10		
14" (355,60 x 9,53 mm)	533		Sched30		
14" (355,60 x 11,13 mm)	533		Sched40		
14" (355,60 x 19,05 mm)	533		Sched80		
16" (406,40 x 4,78 mm)	610		Sched10		
16" (406,40 x 6,35 mm)	610		Sched10		
16" (406,40 x 9,53 mm)	610		Sched30		
16" (406,40 x 12,70 mm)	610		Sched40		
16" (406,40 x 21,41 mm)	610		Sched80		
18" (457,20 x 4,78 mm)	686		Sched10		
18" (457,20 x 6,35 mm)	686		Sched10		
18" (457,20 x 14,27 mm)	686		Sched40		
18" (457,20 x 23,80 mm)	686		Sched80		
20"	762		Sched 10,20,30,40,80		
24"	915		Sched 10,20,40,80		



Dikişli ve Dikişsiz

(Seam Welded and Seamless)

Standart (Norm) : ASME SB 241-ASME SB 210

,ANSI B. 36.10-B. 36.10

EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"

AlMgSi0,7 "6063" - AlMgSi1 "6082"

AlMg3 "5754" - AW 6005

AlMg5 - AlMg4,5Mn "5083"- AA5124

Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	I	Sched	b	d
1/2"		Sched10,40,80	25,4	21,34
3/4"		Sched10,40,80	28,6	26,67
1"		Sched10,40,80	38,1	33,4
1 1/4"		Sched10,40,80	47,6	42,16
1 1/2"		Sched10,40,80	57,2	48,26
60 x 5	125		60	
2"	125	Sched10,40,80	63,5	60,33
2 1/2"	125	Sched10,40,80	76,2	73,03
3"		Sched10,40,80	85,7	88,9
89 x 3,5	170		85	
108 x 4	200		100	
4"		Sched10,40,80	105	114,3
5"		Sched10,40,80	124	141,3
6"		Sched10,40,80	143	168,3
8"		Sched10,40,80	178	219
10"		Sched10,40,80	216	273
12"		Sched10,40,80	254	323,85
14"		Sched10,30,40,80	279	355,6
16"		Sched10,30,40,80	305	406,4
18"		Sched10,30,40,80	343	457,2
20"		Sched10,20,30,40,80	381	
24"		Sched10,30,40,80	432	

Alüminyum Fittings

Dikişli ve Dikişsiz

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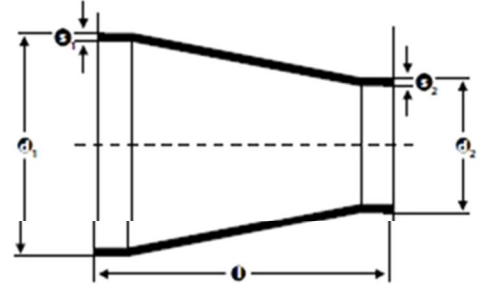
EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"

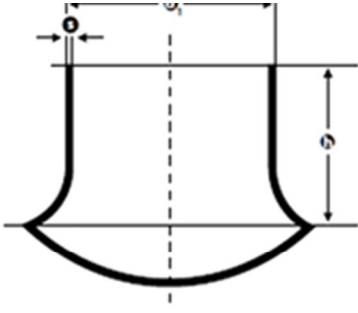
AlMgSi0,7 "6063" - AlMgSi1 "6082"

AlMg3 "5754" - AW 6005

AlMg5 - AlMg4,5Mn "5083"- AA5124



Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	L (Uzunluk) mm
34 x 2 > 21 x 2	50
46 x 3 > 31 x 3	70
46 x 3 > 38 x 3	65
48 x 3 > 21 x 2	65
48 x 3 > 34 x 2	65
56 x 3 > 31 x 3	80
56 x 3 > 38 x 3	80
56 x 3 > 46 x 3	80
60 x 3,5 > 34 x 2	75
60 x 3,5 > 42 x 2	75
60 x 3,5 > 48 x 3	75
76 x 3 > 31 x 3	90
76 x 3 > 38 x 3	90
76 x 3 > 46 x 3	90
76 x 3 > 56 x 3	90
86 x 3 > 46 x 3	90
86 x 3 > 56 x 3	90
86 x 3 > 76 x 3	90
89 x 4 > 48 x 3	90
89 x 4 > 58 x 4	90
89 x 4 > 60 x 3,5	90
89 x 5 > 75 x 5	90
89 x 3 > 76 x 3	90
106 x 3 > 56 x 3	100
106 x 3 > 76 x 3	100
106 x 3 > 86 x 3	100
108 x 3 > 76 x 3	100
108 x 4 > 89 x 4	100
110 x 5 > 90 x 5	100
114 x 3 > 60 x 3,5	100
114 x 3 > 89 x 3	100
133 x 4 > 108 x 4	140
159 x 4 > 108 x 4	150
159 x 4 > 133 x 4	150
168 x 3 > 89 x 2,5	140
168 x 3 > 114 x 3	140
208 x 4 > 159 x 4	150
219 x 3 > 114 x 3	150
219 x 3 > 168 x 3	150
273 x 4 > 168 x 3	180
273 x 4 > 219 x 3	180



Alüminyum Fittings

Dikişli ve Dikişsiz

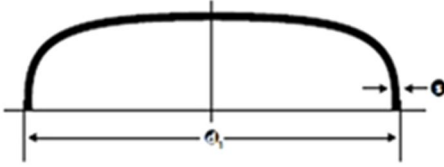
(Seam Welded and Seamless)

Standart (Norm) : ASME SB 241-ASME SB 210
ANSI B 36.10-B 36.10

EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"
AlMgSi0,7 "6063" - AlMgSi1 "6082"
AlMg3 "5754" - AW 6005
AlMg5 - AlMg4,5Mn "5083" - AA5124

Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	H (Yükseklik)
31 x 3	60
38 x 3	60
46 x 3	70
56 x 3	90
60 x 5	90
71 x 3	110
76 x 3	110
86 x 3	125
90 x 5	125
106 x 3	150
108 x 4	150
110 x 5	150
131 x 3	160
133 x 4	160
156 x 3	170
160 x 5	170
208 x 4	220



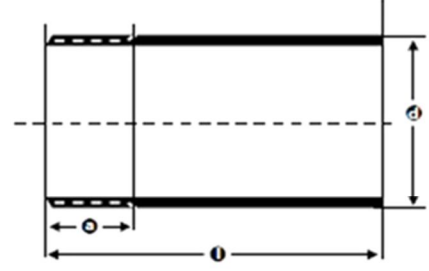
Boyutlar (Size) mm Çap / Kalınlık (Diameter) / (Thickness)	H (Yükseklik)
31 x 3	60
38 x 3	60
46 x 3	70
56 x 3	90
60 x 5	90
71 x 3	110
76 x 3	110
86 x 3	125
90 x 5	125
106 x 3	150
108 x 4	150
110 x 5	150
131 x 3	160
133 x 4	160
156 x 3	170
160 x 5	170
208 x 4	220

Alüminyum Fittings

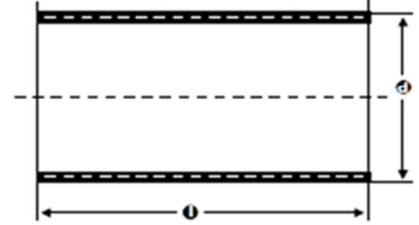
KAYNAKLI MANŞON VE NİPEL (Welding Sockets and Nipples)

Standart (Norm) : ASME SB 241-ASME SB 210
EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"
AlMgSi0,7 "6063" - AlMgSi1 "6082"
AlMg3 "5754" - AW 6005
AlMg5 - AlMg4,5Mn "5083" - AA5124



Boyutlar (Size) Inch	d mm	l mm	a mm
1/2"	13,7	50	20
3/8"	17,2	50	20
1/2"	21,3	50	20
3/4"	26,7	50	20
1"	33,4	60	25
1 1/4"	42,4	65	25
1 1/2"	48,3	75	30
2"	60,3	75	30
2 1/2"	75	90	35
3"	90	100	35
4"	114,3	120	45
5"	141	135	50
6"	168,3	155	60



Boyutlar (Size) Inch	d mm	l mm
1/8"	13,7	20
1/4"	17,2	25
3/8"	21,3	30
1/2"	26,7	35
3/4"	33,4	40
1"	40	45
1 1/4"	48,3	50
1 1/2"	60	55
2"	66	60
2 1/2"	89	70
3"	100	75
4"	125	90
5"	150	110
6"	180	125

FLANŞLAR

(Welding Collar and Flanges)

DIN2642, 2566, 2527, 2576, 2632 PN10/16

Standart (Norm) : ASME SB 241-ASME SB 210

ANSI B. 36.19-B. 36.10

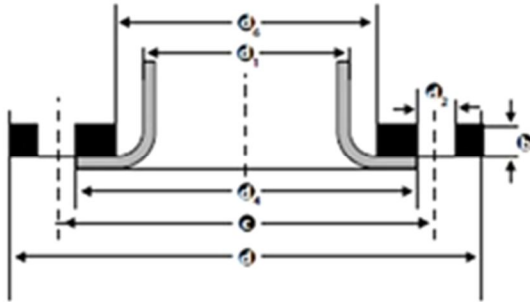
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Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 “6060”

 $\text{AlMgSi}_{0,7}$ "6063" - AlMgSi_1 "6082"

AlMg3 "5754" - AW 6005

AlMg5 - AlMg4,5Mn "5083"- AA5124



DN	Tip c İSO	Tip a DIN	d	b	c	Delik Adedi
	d6 mm	d6 mm	mm	mm	mm	
10	19	16	90	12	60	4 x 14
15	24	23	95	12	65	4 x 14
20	30	28	105	12	75	4 x 14
25	36	34	115	12	85	4 x 14
32	46	40	140	16	100	4 x 18
40	54	48	150	16	110	4 x 18
50	65	58	165	16	125	4 x 18
65	81	73	185	16	145	4 x 18
80	94	90	200	18	160	8 x 18
100	119	110	220	18	180	8 x 18
125	144	135	250	18	210	8 x 18
150	173	160	285	18	240	8 x 22
200	225	212	340	20	295	8 x 22
250	279	262	395	22	350	12 x 22
300	329	312	445	22	400	12 x 22
350	362	362	505	22	460	16 x22
400	413	412	565	25	515	16 x 25
450		463	615	25	565	20 x 25
500	517	515	670	28	620	20 x 25
600	618	620	780	30	725	20 x 30
700	721	720	895	32	840	224 x 30

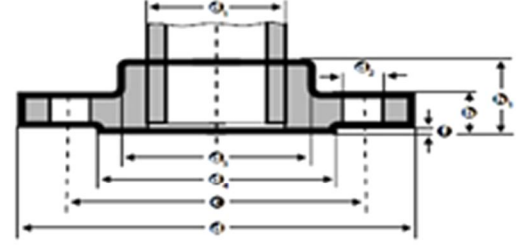
FLANŞLAR

(Welding Collar and Flanges)

DIN2642, 2566, 2527, 2576, 2632 PN10/16

Standart (Norm) : ASME SR 241-ASME SR 210
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AlMg3 "5754" - AW 6005
AlMg5 - AlMg4,5Mn "5083" - AA5124



DN	d1	BSp	d	b	c	h1	d3	d4	f	Delik Adedi
	mm	Inch	mm	mm	mm	mm	mm	mm	mm	
6	10,2	R 1/8	75	12	50	18	20	32	2	4 x 11
8	13,5	R 1/4	80	12	55	18	25	38	2	4 x 11
10	17,2	R 3/8	90	14	60	20	30	40	2	4 x 14
15	21,3	R 1/2	95	14	65	20	35	45	2	4 x 14
20	26,9	R 3/4	105	16	75	24	45	58	2	4 x 14
25	33,7	R 1	115	16	85	24	52	68	2	4 x 14
32	42,4	R 1 1/4	140	16	100	26	60	78	2	4 x 18
40	48,3	R 1 1/2	150	16	110	26	70	88	3	4 x 18
50	60,3	R 2	165	18	125	28	85	102	3	4 x 18
65	76,1	R 2 1/2	185	18	145	32	105	122	3	4 x 18
80	88,9	R 3	200	20	160	34	118	138	3	8 x 18
100	114,3	R 4	220	20	180	38	140	158	3	8 x 18

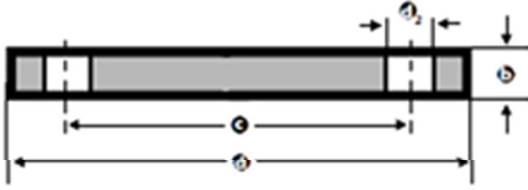
FLANŞLAR

(Welding Collar and Flanges)

DIN2642, 2566, 2527, 2576, 2632 PN10/16

Standart (Norm) : ASME SR 241-ASME SR 210
ANSI B. 36.19-B. 36.10
EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"
AlMgSi0,7 "6063" - AlMgSi1 "6082"
AlMg3 "5754" - AW 6005
AlMg5 - AlMg4,5Mn "5083" - AA5124



DN	d	b	c	Delik
	mm	mm	mm	Adedi
10	90	15	60	4 x 14
15	95	15	65	4 x 14
20	105	15	75	4 x 14
25	115	15	85	4 x 14
32	140	15	100	4 x 18
40	150	15	110	4 x 18
50	165	20	125	4 x 18
65	185	20	145	4 x 18
80	200	20	160	8 x 18
100	220	20	180	8 x 18
125	250	20	210	8 x 18
150	285	20	240	8 x 22
175	315	25	270	8 x 22
200	340	25	295	8 x 22
250	405	28	355	12 x 22
300	460	30	410	12 x 22
350	520	30	470	16 x 16
400	580	35	525	16 x 26
500	715	40	650	20 x 26

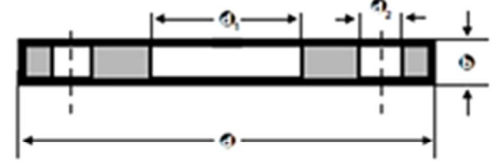
FLANŞLAR

(Welding Collar and Flanges)

DIN2642, 2566, 2527, 2576, 2632 PN10/16

Standart (Norm) : ASME SB 241-ASME SB 210
ANSI B. 36.19-B. 36.10
EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"
AlMgSi0,7 "6063" - AlMgSi1 "6082"
AlMg3 "5754" - AW 6005
AlMg5 - AlMg4,5Mn "5083" - AA5124



DN	d1	d	b	c	Delik
	mm	mm	mm	mm	Adedi
10	17,2	90	15	60	4 x 14
15	21	95	15	65	4 x 14
20	25	105	15	75	4 x 14
25	31	115	15	85	4 x 14
32	38	140	15	100	4 x 18
40	46	150	15	110	4 x 18
50	56	165	20	125	4 x 18
65	76	185	20	145	4 x 18
80	86	200	20	160	8 x 18
100	106	220	20	180	8 x 18
125	131	250	25	210	8 x 18
150	156	285	25	240	8 x 23
175	194	315	25	270	8 x 23
200	208	340	25	295	8 x 23
250	277,3	395	28	355	12 x 23
300	324	445	30	410	12 x 23
350	356	505	30	470	16 x 23
400	406	565	35	525	16 x 27
500	508	670	40	650	20 x 27

FLANŞLAR

(Welding Collar and Flanges)

DIN2642, 2566, 2527, 2576, 2632 PN10/16

Standart (Norm) : ASME SB 241-ASME SB 241.1

ANSI B. 36.19-B. 36.10

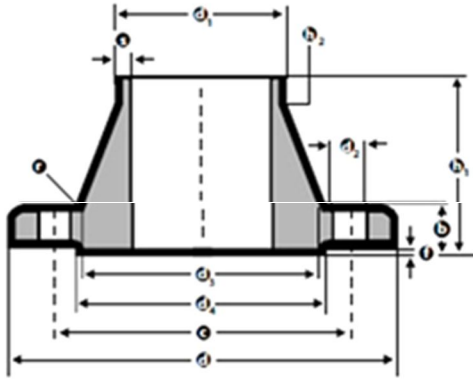
EN 573-2, EN 755-2

Alaşımlar (Alloys) : Al99,5 / 99,8 - AlMgSi0,5 "6060"

AlMgSi0,7 "6063" - AlMgSi1 "6082"

AlMg3 "5754" - AW 6005

AlMg5 - AlMg4,5Mn "5083" - AA5124



DN	d1	d	b	h1	d3	s	r	h2	d4	f	c	Delik Adedi
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
10	17	90	14	35	28	1,8	4	6	40	2	60	4 x 14
15	21	95	14	35	32	3	4	6	45	2	65	4 x 14
20	25	105	16	38	38	2,5	4	6	58	2	75	4 x 14
25	31	115	16	38	42	3	4	6	68	2	85	4 x 14
32	38	140	16	40	52	3	6	6	78	2	100	4 x 18
40	46	150	16	42	60	3	6	7	88	3	110	4 x 18
50	56	165	18	45	69	3	6	8	102	3	125	4 x 18
65	76	185	18	45	90	3	8	10	122	3	145	4 x 18
80	6	200	20	50	100	3	8	10	138	3	160	8 x 18
100	106	220	20	52	121	3	8	12	158	3	180	8 x 18
125	131	250	22	55	150	3	10	12	188	3	210	8 x 18
150	156	285	22	55	170	4	10	12	212	3	240	8 x 22
200	208	340	24	62	235	4	10	16	268	3	295	8 x 22
200	208	340	24	62	235	4	12	16	268	3	295	12 x 22
250	273	395	26	68	292	4	12	16	320	3	350	12 x 22
250	273	405	26	70	292	4	12	16	320	3	355	12 x 26
300	324	445	26	68	344	4	12	16	370	4	400	12 x 22
300	324	460	28	78	344	4	12	16	378	4	410	12 x 26
400	460	565	26	72	440	5	12	16	482	4	515	16 x 26
500	508	670	28	75	542	5	12	16	585	4	620	20 x 26



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