

[illegible]

Index Values
Index - Werte
Valeurs Indices
Valori Indice



- Malleable iron fittings • Raccords en fonte malléable
- Tempergussfittings • Raccordi di ghisa malleabile



Product range
Sortimentübersicht
Gamme
Gamma

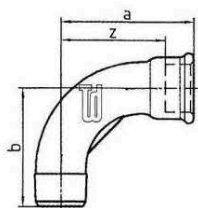


**1****ISO/EN (G4)**Long sweep
bend

Langer bogen

Courbe à
grand rayon

Curva lunga



	Size	Code	Index	Bag	Carton	Gr
BLK	1/2	FS00010002	3,80	10	180	115
GAL	1/2	FG00010002	4,80	10	180	120
BLK	3/4	FS00010003	6,65	10	100	200
GAL	3/4	FG00010003	8,40	10	100	210
BLK	1	FS00010004	9,00		60	320
GAL	1	FG00010004	11,40		60	340
BLK	1 1/4	FS00010005	15,95		30	525
GAL	1 1/4	FG00010005	19,80		30	550
BLK	1 1/2	FS00010006	20,55		25	685
GAL	1 1/2	FG00010006	26,15		25	720
BLK	2	FS00010007	34,05		12	1400
GAL	2	FG00010007	42,25		12	1440

	Dimension	Code	a	b	z	z1
BLK	1/2	FS00010002	55	48	42	
GAL	1/2	FG00010002				
BLK	3/4	FS00010003	69	60	54	
GAL	3/4	FG00010003				
BLK	1	FS00010004	85	75	68	
GAL	1	FG00010004				
BLK	1 1/4	FS00010005	105	95	86	
GAL	1 1/4	FG00010005				
BLK	1 1/2	FS00010006	116	105	97	
GAL	1 1/2	FG00010006				
BLK	2	FS00010007	140	130	116	
GAL	2	FG00010007				

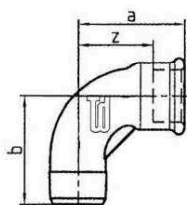
1a**ISO/EN (D4)**

Short bend

Kurzer bogen

Courbe courte

Curva corta



	Size	Code	Index	Bag	Carton	Gr
BLK	1/2	FS001A0002	3,45	10	180	120
GAL	1/2	FG001A0002	4,40	10	180	125
BLK	3/4	FS001A0003	5,45	10	100	200
GAL	3/4	FG001A0003	6,75	10	100	205
BLK	1	FS001A0004	7,25		60	330
GAL	1	FG001A0004	9,05		60	350
BLK	1 1/4	FS001A0005	10,65		30	530
GAL	1 1/4	FG001A0005	13,75		30	550
BLK	1 1/2	FS001A0006	15,60		25	705
GAL	1 1/2	FG001A0006	19,80		25	730
BLK	2	FS001A0007	28,00		12	1285
GAL	2	FG001A0007	34,65		12	1335

	Dimension	Code	a	b	z	z1
BLK	1/2	FS001A0002	45	45	32	
GAL	1/2	FG001A0002				
BLK	3/4	FS001A0003	50	50	35	
GAL	3/4	FG001A0003				
BLK	1	FS001A0004	63	63	46	
GAL	1	FG001A0004				
BLK	1 1/4	FS001A0005	76	76	57	
GAL	1 1/4	FG001A0005				
BLK	1 1/2	FS001A0006	85	85	66	
GAL	1 1/2	FG001A0006				
BLK	2	FS001A0007	102	102	78	
GAL	2	FG001A0007				

Size	Code	Index	Bag	Carton	Gr
BLK 1/2	FS00020002	4,35	10	160	140
GAL 1/2	FG00020002	5,45	10	160	145
BLK 3/4	FS00020003	6,85	10	80	255
GAL 3/4	FG00020003	8,45	10	80	270
BLK 1	FS00020004	9,00		50	385
GAL 1	FG00020004	11,40		50	415
BLK 1 1/4	FS00020005	16,00		30	620
GAL 1 1/4	FG00020005	19,90		30	650
BLK 1 1/2	FS00020006	19,75		20	770
GAL 1 1/2	FG00020006	24,40		20	820
BLK 2	FS00020007	27,20		10	1550
GAL 2	FG00020007	33,95		10	1605
BLK 3	FS00020009	95,00		3	3970
GAL 3	FG00020009	120,20		3	4100

Dimension	Code	a	b	z	z1
BLK 1/2	FS00020002	55		42	
GAL 1/2	FG00020002				
BLK 3/4	FS00020003	69		54	
GAL 3/4	FG00020003				
BLK 1	FS00020004	85		68	
GAL 1	FG00020004				
BLK 1 1/4	FS00020005	105		86	
GAL 1 1/4	FG00020005				
BLK 1 1/2	FS00020006	116		97	
GAL 1 1/2	FG00020006				
BLK 2	FS00020007	140		116	
GAL 2	FG00020007				
BLK 3	FS00020009	205		175	
GAL 3	FG00020009				



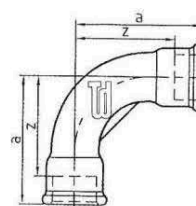
2
ISO/EN(G1)

Long sweep
bend

Langer bogen

Courbe à
grand rayon

Curva lunga



Size	Code	Index	Bag	Carton	Gr
BLK 1/2	FS002A0002	3,30	10	160	140
GAL 1/2	FG002A0002	4,20	10	160	145
BLK 3/4	FS002A0003	4,45	10	80	235
GAL 3/4	FG002A0003	5,80	10	80	245
BLK 1	FS002A0004	7,00		50	385
GAL 1	FG002A0004	9,00		50	395
BLK 1 1/4	FS002A0005	10,40		30	645
GAL 1 1/4	FG002A0005	13,50		30	675
BLK 1 1/2	FS002A0006	14,30		20	830
GAL 1 1/2	FG002A0006	18,15		20	865
BLK 2	FS002A0007	22,55		10	1415
GAL 2	FG002A0007	29,25		10	1455
BLK 3	FS002A0009	73,25		4	2565
GAL 3	FG002A0009	92,75		4	2660

Dimension	Code	a	b	z	z1
BLK 1/2	FS002A0002	45		32	
GAL 1/2	FG002A0002				
BLK 3/4	FS002A0003	50		35	
GAL 3/4	FG002A0003				
BLK 1	FS002A0004	63		46	
GAL 1	FG002A0004				
BLK 1 1/4	FS002A0005	76		57	
GAL 1 1/4	FG002A0005				
BLK 1 1/2	FS002A0006	85		66	
GAL 1 1/2	FG002A0006				
BLK 2	FS002A0007	102		78	
GAL 2	FG002A0007				
BLK 3	FS002A0009	127		97	
GAL 3	FG002A0009				



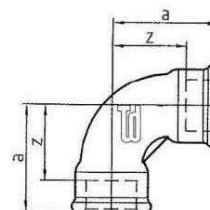
2a
ISO/EN(D1)

Short bend

Kurzer bogen

Courbe courte

Curva corta



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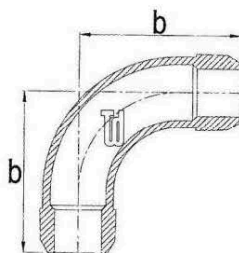
ISO/EN (G8)

Long sweep bend

Langer bogen

Courbe à grand rayon

Curva lunga



Size	Code	Index	Bag	Carton	Gr
BLK 1/2	FS00030002	6,65	10	180	95
GAL 1/2	FG00030002	8,35	10	180	100
BLK 3/4	FS00030003	7,45	10	100	175
GAL 3/4	FG00030003	9,40	10	100	190
BLK 1	FS00030004	10,80		60	340
GAL 1	FG00030004	13,45		60	360
BLK 1 1/4	FS00030005	20,30		30	540
GAL 1 1/4	FG00030005	25,80		30	575
BLK 1 1/2	FS00030006	29,00		25	740
GAL 1 1/2	FG00030006	36,55		25	780
BLK 2	FS00030007	39,00		12	1400
GAL 2	FG00030007	49,35		12	1460

Dimension	Code	a	b	z	z1
BLK 1/2	FS00030002		48		
GAL 1/2	FG00030002				
BLK 3/4	FS00030003		60		
GAL 3/4	FG00030003				
BLK 1	FS00030004		75		
GAL 1	FG00030004				
BLK 1 1/4	FS00030005		95		
GAL 1 1/4	FG00030005				
BLK 1 1/2	FS00030006		105		
GAL 1 1/2	FG00030006				
BLK 2	FS00030007		130		
GAL 2	FG00030007				

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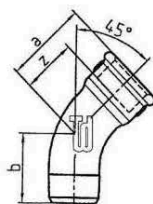
ISO/EN (G4/45°)

45° Long sweep bend

Langer bogen 45°

Courbe à grand rayon 45°

Curva lunga 45°



Size	Code	Index	Bag	Carton	Gr
BLK 1/2	FS00400002	4,35	10	180	110
GAL 1/2	FG00400002	5,45	10	180	115
BLK 3/4	FS00400003	5,90	10	100	175
GAL 3/4	FG00400003	7,35	10	100	180
BLK 1	FS00400004	8,40	10	60	280
GAL 1	FG00400004	10,35	10	60	295
BLK 1 1/4	FS00400005	14,50		30	575
GAL 1 1/4	FG00400005	18,05		30	605
BLK 1 1/2	FS00400006	17,40		25	620
GAL 1 1/2	FG00400006	21,55		25	655
BLK 2	FS00400007	27,45		12	1050
GAL 2	FG00400007	34,15		12	1110

Dimension	Code	a	b	z	z1
BLK 1/2	FS00400002	36	30	23	
GAL 1/2	FG00400002				
BLK 3/4	FS00400003	43	36	28	
GAL 3/4	FG00400003				
BLK 1	FS00400004	51	42	34	
GAL 1	FG00400004				
BLK 1 1/4	FS00400005	64	54	45	
GAL 1 1/4	FG00400005				
BLK 1 1/2	FS00400006	68	58	49	
GAL 1 1/2	FG00400006				
BLK 2	FS00400007	81	70	57	
GAL 2	FG00400007				

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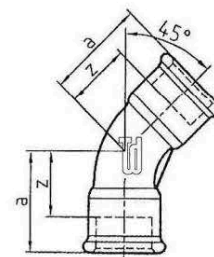
ISO/EN (G1/45°)

45° Long sweep bend

Langer bogen 45°

Courbe à grand rayon 45°

Curva lunga 45°



Size	Code	Index	Bag	Carton	Gr
BLK 1/2	FS00410002	5,30	10	160	140
GAL 1/2	FG00410002	6,50	10	160	145
BLK 3/4	FS00410003	6,55	10	80	220
GAL 3/4	FG00410003	8,20	10	80	235
BLK 1	FS00410004	8,50	10	50	330
GAL 1	FG00410004	10,50	10	50	350
BLK 1 1/4	FS00410005	15,05		30	575
GAL 1 1/4	FG00410005	19,00		30	620
BLK 1 1/2	FS00410006	19,80		20	730
GAL 1 1/2	FG00410006	25,05		20	760
BLK 2	FS00410007	28,00		10	1310
GAL 2	FG00410007	35,20		10	1355

Dimension	Code	a	b	z	z1
BLK 1/2	FS00410002	36		23	
GAL 1/2	FG00410002				
BLK 3/4	FS00410003	43		28	
GAL 3/4	FG00410003				
BLK 1	FS00410004	51		34	
GAL 1	FG00410004				
BLK 1 1/4	FS00410005	64		45	
GAL 1 1/4	FG00410005				
BLK 1 1/2	FS00410006	68		49	
GAL 1 1/2	FG00410006				
BLK 2	FS00410007	81		57	
GAL 2	FG00410007				

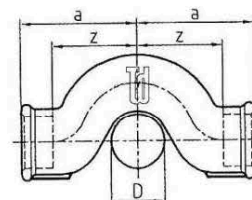
85

Crossover

Überspringbogen

Dos d'âne

Scavalcatubo a curva



Size	Code	Index	Bag	Carton	Gr
BLK 1/2	FS00850002	5,55	10	100	185
GAL 1/2	FG00850002	7,00	10	100	200
BLK 3/4	FS00850003	8,50	10	70	295
GAL 3/4	FG00850003	10,50	10	70	315
BLK 1	FS00850004	16,95		40	505
GAL 1	FG00850004	21,95		40	535

Dimension	Code	a	d	z	z1
BLK 1/2	FS00850002	48	0.5in.	36	
GAL 1/2	FG00850002				
BLK 3/4	FS00850003	60	0.75in.	45	
GAL 3/4	FG00850003				
BLK 1	FS00850004	70	1in.	53	
GAL 1	FG00850004				

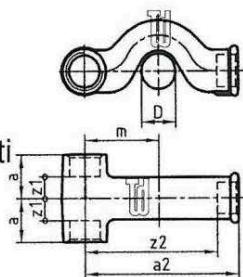
87

Tee, with
crossover
branch

Überspring-T

Té à dos d'âne

Scavalcatubo a ti



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS00870002	13,15	10	80	220
GLV 1/2 "	FG00870002	17,80	10	80	230

Dimension	Code	a	b	z	z1	D
BLK 1/2 "	FS00870002	26	93	13	80	0,5 in.
GLV 1/2 "	FG00870002	26	93	13	80	0,5 in.

90

ISO/EN(A1)

Elbow

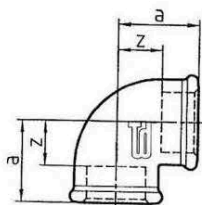
Winkel

Coude

Gomito



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS00900001	1,95	10	350	70
GLV 3/8 "	FG00900001	2,50	10	350	75
BLK 1/2 "	FS00900002	1,30	10	270	85
GLV 1/2 "	FG00900002	1,75	10	270	90
BLK 3/4 "	FS00900003	2,10	10	150	150
GLV 3/4 "	FG00900003	2,75	10	150	155
BLK 1 "	FS00900004	3,25	10	100	230
GLV 1 "	FG00900004	4,10	10	100	245
BLK 1 1/4 "	FS00900005	6,10		60	355
GLV 1 1/4 "	FG00900005	7,65		60	370
BLK 1 1/2 "	FS00900006	9,90		35	590
GLV 1 1/2 "	FG00900006	12,35		35	610
BLK 2 "	FS00900007	11,40		20	905
GLV 2 "	FG00900007	14,50		20	945
BLK 2 1/2 "	FS00900008	33,60		12	1.285
GLV 2 1/2 "	FG00900008	42,50		12	1.385
BLK 3 "	FS00900009	46,80		8	1.895
GLV 3 "	FG00900009	58,25		8	1.980
BLK 4 "	FS00900000	82,55		4	3.225
GLV 4 "	FG00900000	104,40		4	3.355



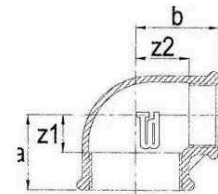
Dimension	Code	a	b	z	z1
BLK 3/8 "	FS00900001	25		15	
GLV 3/8 "	FG00900001				
BLK 1/2 "	FS00900002	28		15	
GLV 1/2 "	FG00900002				
BLK 3/4 "	FS00900003	33		18	
GLV 3/4 "	FG00900003				
BLK 1 "	FS00900004	38		21	
GLV 1 "	FG00900004				
BLK 1 1/4 "	FS00900005	45		26	
GLV 1 1/4 "	FG00900005				
BLK 1 1/2 "	FS00900006	50		31	
GLV 1 1/2 "	FG00900006				
BLK 2 "	FS00900007	58		34	
GLV 2 "	FG00900007				
BLK 2 1/2 "	FS00900008	69		42	
GLV 2 1/2 "	FG00900008				
BLK 3 "	FS00900009	78		48	
GLV 3 "	FG00900009				
BLK 4 "	FS00900000	96		60	
GLV 4 "	FG00900000				

Dimension	Code	Index	Bag	Carton	Gr
BLK 3/4-1/2 "	FS090R0032	3.05	10	150	155
GLV 3/4-1/2 "	FG090R0032	3.65	10	150	165
BLK 1-3/8 "	FS090R0041	5.25	10	120	195
GLV 1-3/8 "	FG090R0041	6.30	10	120	205
BLK 1-1/2 "	FS090R0042	4.10	10	120	195
GLV 1-1/2 "	FG090R0042	5.30	10	120	200
BLK 1-3/4 "	FS090R0043	4.50	10	100	215
GLV 1-3/4 "	FG090R0043	5.60	10	100	230
BLK 1 1/4-1/2 "	FS090R0052	6.95		45	290
GLV 1 1/4-1/2 "	FG090R0052	8.45		45	305
BLK 1 1/4-3/4 "	FS090R0053	9.20		45	330
GLV 1 1/4-3/4 "	FG090R0053	11.40		45	350
BLK 1 1/4-1 "	FS090R0054	7.25		40	375
GLV 1 1/4-1 "	FG090R0054	9.05		40	400
BLK 1 1/2-3/4 "	FS090R0063	11.25		40	400
GLV 1 1/2-3/4 "	FG090R0063	14.00		40	420
BLK 1 1/2-1 "	FS090R0064	10.40		40	445
GLV 1 1/2-1 "	FG090R0064	13.25		40	470
BLK 1 1/2-1 1/4 "	FS090R0065	11.70		40	470
GLV 1 1/2-1 1/4 "	FG090R0065	14.50		40	485
BLK 2-1 "	FS090R0074	18.45		35	700
GLV 2-1 "	FG090R0074	23.00		35	740
BLK 2-1 1/4 "	FS090R0075	19.80		35	590
GLV 2-1 1/4 "	FG090R0075	24.95		35	635
BLK 2-1 1/2 "	FS090R0076	18.80		30	710
GLV 2-1 1/2 "	FG090R0076	23.35		30	750

90R
ISO/EN (A1)
Elbow
Winkel
Coude
Gomito



Dimension	Code	a	b	z1	z2
BLK 3/4-1/2 "	FS090R0032		30	31	15
GLV 3/4-1/2 "	FG090R0032				
BLK 1-3/8 "	FS090R0041		32	34	12
GLV 1-3/8 "	FG090R0041				
BLK 1-1/2 "	FS090R0042		32	34	15
GLV 1-1/2 "	FG090R0042				
BLK 1-3/4 "	FS090R0043		35	36	18
GLV 1-3/4 "	FG090R0043				
BLK 1 1/4-1/2 "	FS090R0052		34	38	15
GLV 1 1/4-1/2 "	FG090R0052				
BLK 1 1/4-3/4 "	FS090R0053		36	41	17
GLV 1 1/4-3/4 "	FG090R0053				
BLK 1 1/4-1 "	FS090R0054		40	42	21
GLV 1 1/4-1 "	FG090R0054				
BLK 1 1/2-3/4 "	FS090R0063		38	44	19
GLV 1 1/2-3/4 "	FG090R0063				
BLK 1 1/2-1 "	FS090R0064		42	46	23
GLV 1 1/2-1 "	FG090R0064				
BLK 1 1/2-1 1/4 "	FS090R0065		46	48	27
GLV 1 1/2-1 1/4 "	FG090R0065				
BLK 2-1 "	FS090R0074		46	53	22
GLV 2-1 "	FG090R0074				
BLK 2-1 1/4 "	FS090R0075		48	53	24
GLV 2-1 1/4 "	FG090R0075				
BLK 2-1 1/2 "	FS090R0076		52	55	28
GLV 2-1 1/2 "	FG090R0076				



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ISO/EN (A4)

Elbow

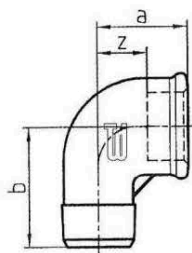
Winkel

Coude

Gomito



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS00920001	2,35	10	350	60
GLV 3/8 "	FG00920001	2,85	10	350	65
BLK 1/2 "	FS00920002	1,65	10	250	100
GLV 1/2 "	FG00920002	2,05	10	250	110
BLK 3/4 "	FS00920003	2,55	10	150	160
GLV 3/4 "	FG00920003	3,20	10	150	165
BLK 1 "	FS00920004	4,15	10	90	255
GLV 1 "	FG00920004	5,30	10	90	265
BLK 1 1/4 "	FS00920005	7,30		50	420
GLV 1 1/4 "	FG00920005	8,95		50	435
BLK 1 1/2 "	FS00920006	10,70		40	600
GLV 1 1/2 "	FG00920006	13,40		40	620
BLK 2 "	FS00920007	13,95		20	880
GLV 2 "	FG00920007	17,65		20	920
BLK 2 1/2 "	FS00920008	35,25		12	1.520
GLV 2 1/2 "	FG00920008	43,85		12	1.565
BLK 3 "	FS00920009	46,40		8	2.080
GLV 3 "	FG00920009	57,80		8	2.160
BLK 4 "	FS00920000	78,00		4	3.030
GLV 4 "	FG00920000	98,70		4	3.130



Dimension	Code	a	b	c	z
BLK 3/8 "	FS00920001	25	32		15
GLV 3/8 "	FG00920001				
BLK 1/2 "	FS00920002	28	37		15
GLV 1/2 "	FG00920002				
BLK 3/4 "	FS00920003	33	43		18
GLV 3/4 "	FG00920003				
BLK 1 "	FS00920004	38	52		21
GLV 1 "	FG00920004				
BLK 1 1/4 "	FS00920005	45	60		26
GLV 1 1/4 "	FG00920005				
BLK 1 1/2 "	FS00920006	50	65		31
GLV 1 1/2 "	FG00920006				
BLK 2 "	FS00920007	58	74		34
GLV 2 "	FG00920007				
BLK 2 1/2 "	FS00920008	69	88		42
GLV 2 1/2 "	FG00920008				
BLK 3 "	FS00920009	78	98		48
GLV 3 "	FG00920009				
BLK 4 "	FS00920000	96	118		60
GLV 4 "	FG00920000				

92R

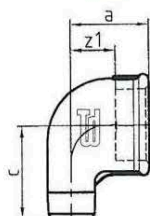
ISO/EN (A4)

Elbow

Winkel

Coude

Gomito



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/4-1/2 "	FS092R0032	6,40		150	125
GLV 3/4-1/2 "	FG092R0032	8,05		150	130

Dimension	Code	a	b	c	z	z1
BLK 3/4-1/2 "	FS092R0032	30		40		18
GLV 3/4-1/2 "	FG092R0032					

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS00950002	9,35	10	90	260
GLV 1/2 "	FG00950002	11,60	10	90	265
BLK 3/4 "	FS00950003	10,30	10	50	380
GLV 3/4 "	FG00950003	12,75	10	50	390
BLK 1 "	FS00950004	12,70		40	450
GLV 1 "	FG00950004	15,95		40	475

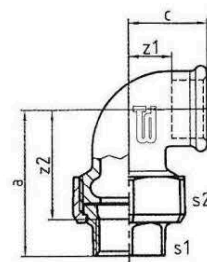
Dimension	Code	a	c	z1	z2	s1
BLK 1/2 "	FS00950002	58	28	15	45	26
GLV 1/2 "	FG00950002					
BLK 3/4 "	FS00950003	62	33	18	47	31
GLV 3/4 "	FG00950003					
BLK 1 "	FS00950004	72	38	21	55	38
GLV 1 "	FG00950004					

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS00960002	9,30	10	90	260
GLV 1/2 "	FG00960002	11,75	10	90	270
BLK 3/4 "	FS00960003	10,75	10	50	390
GLV 3/4 "	FG00960003	13,60	10	50	405
BLK 1 "	FS00960004	15,55		40	455
GLV 1 "	FG00960004	19,55		40	480

Dimension	Code	a	c	z1	z2	s1
BLK 1/2 "	FS00960002	58	28	15	45	25
GLV 1/2 "	FG00960002					
BLK 3/4 "	FS00960003	62	33	18	47	32
GLV 3/4 "	FG00960003					
BLK 1 "	FS00960004	72	38	21	55	38
GLV 1 "	FG00960004					

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS00970002	9,45	10	80	270
GLV 1/2 "	FG00970002	11,95	10	80	280
BLK 3/4 "	FS00970003	11,35	10	50	400
GLV 3/4 "	FG00970003	14,35	10	50	420
BLK 1 "	FS00970004	14,35		40	510
GLV 1 "	FG00970004	18,25		40	545

Dimension	Code	b	c	z1	s1	s2
BLK 1/2 "	FS00970002	76	28	15	25	41
GLV 1/2 "	FG00970002					
BLK 3/4 "	FS00970003	82	33	18	31	50
GLV 3/4 "	FG00970003					
BLK 1 "	FS00970004	93	38	21	38	55
GLV 1 "	FG00970004					



95

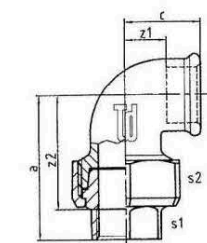
ISO/EN (UA1)

Union elbows,
flat seat

Winkelverschraubung,
flach
dichtend

Coude union à
joint plat

Gomito con
bocchettone a
sede piana



96

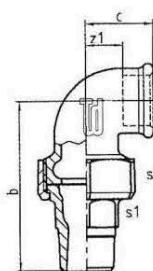
ISO/EN (UA11)

Union elbow,
taper seat

Winkelverschraubung
mit Kegeldichtung

Coude union
à joint conique

Gomito
con bocchettone
a sede
conica



97

ISO/EN (UA2)

Union elbow,
flat seat

Winkelverschraubung,
flach
dichtend

Coude union
à joint plat

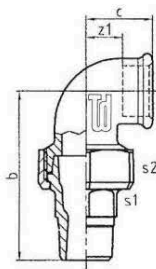
Gomito con
bocchettone
a sede piana

98
ISO/EN (UA12)

Union elbow,
taper seat

Winkelverschrau-
bung mit
Kegeldichtung

Coude union à
joint conique

Gomito con
bocchettone a
sede conica


Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS00980002	9,35	10	80	275
GLV 1/2 "	FG00980002	11,80	10	80	290
BLK 3/4 "	FS00980003	11,95	10	50	405
GLV 3/4 "	FG00980003	15,00	10	50	425
BLK 1 "	FS00980004	16,35		40	510
GLV 1 "	FG00980004	20,55		40	565

Dimension	Code	b	c	z1	s1	s2
BLK 1/2 "	FS00980002	76	28	15	25	41
GLV 1/2 "	FG00980002					
BLK 3/4 "	FS00980003	82	33	18	31	50
GLV 3/4 "	FG00980003					
BLK 1 "	FS00980004	94	38	21	38	55
GLV 1 "	FG00980004					

120

ISO/EN (A1/45°)

45° Elbow

Winkel 45°

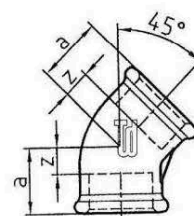
Coude 45°

Gomito 45°



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS01200002	4,45	10	300	80
GLV 1/2 "	FG01200002	5,70	10	300	85
BLK 3/4 "	FS01200003	5,55	10	150	150
GLV 3/4 "	FG01200003	7,05	10	150	160
BLK 1 "	FS01200004	8,20		100	240
GLV 1 "	FG01200004	10,35		100	255
BLK 1 1/4 "	FS01200005	14,75		50	400
GLV 1 1/4 "	FG01200005	18,80		50	420
BLK 1 1/2 "	FS01200006	18,15		40	465
GLV 1 1/2 "	FG01200006	22,95		40	490
BLK 2 "	FS01200007	23,70		20	850
GLV 2 "	FG01200007	30,00		20	880
BLK 2 1/2 "	FS01200008	49,00		12	900
GLV 2 1/2 "	FG01200008	61,95		12	950

Dimension	Code	a	z
BLK 1/2 "	FS01200002	22	9
GLV 1/2 "	FG01200002		
BLK 3/4 "	FS01200003	25	10
GLV 3/4 "	FG01200003		
BLK 1 "	FS01200004	28	11
GLV 1 "	FG01200004		
BLK 1 1/4 "	FS01200005	33	14
GLV 1 1/4 "	FG01200005		
BLK 1 1/2 "	FS01200006	36	17
GLV 1 1/2 "	FG01200006		
BLK 2 "	FS01200007	43	19
GLV 2 "	FG01200007		
BLK 2 1/2 "	FS01200008	48	21
GLV 2 1/2 "	FG01200008		


121

ISO/EN (A4/45°)

45° Elbow

Winkel 45°

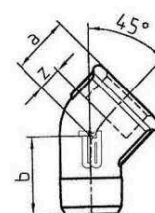
Coude 45°

Gomito 45°



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS01210002	4,10	10	300	80
GLV 1/2 "	FG01210002	5,25	10	300	85
BLK 3/4 "	FS01210003	5,35	10	150	135
GLV 3/4 "	FG01210003	6,65	10	150	140
BLK 1 "	FS01210004	8,20	10	100	200
GLV 1 "	FG01210004	10,35	10	100	210
BLK 1 1/4 "	FS01210005	15,20		50	340
GLV 1 1/4 "	FG01210005	19,30		50	355
BLK 1 1/2 "	FS01210006	16,50		40	455
GLV 1 1/2 "	FG01210006	20,85		40	475
BLK 2 "	FS01210007	20,95		20	770
GLV 2 "	FG01210007	26,40		20	800

Dimension	Code	a	b	z
BLK 1/2 "	FS01210002	22	28	9
GLV 1/2 "	FG01210002			
BLK 3/4 "	FS01210003	25	32	10
GLV 3/4 "	FG01210003			
BLK 1 "	FS01210004	28	37	11
GLV 1 "	FG01210004			
BLK 1 1/4 "	FS01210005	33	43	14
GLV 1 1/4 "	FG01210005			
BLK 1 1/2 "	FS01210006	36	46	17
GLV 1 1/2 "	FG01210006			
BLK 2 "	FS01210007	43	55	19
GLV 2 "	FG01210007			





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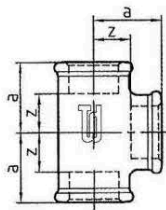
ISO/EN(B1)

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T-Stück

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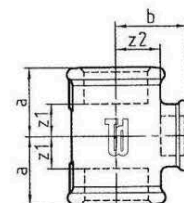
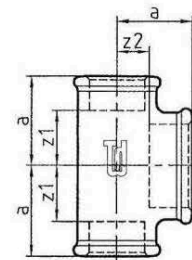
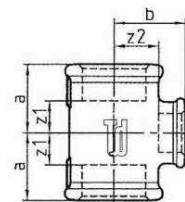


Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS01300001	2,85	10	240	95
GLV 3/8 "	FG01300001	3,50	10	240	100
BLK 1/2 "	FS01300002	1,90	10	180	125
GLV 1/2 "	FG01300002	2,40	10	180	130
BLK 3/4 "	FS01300003	3,25	10	100	210
GLV 3/4 "	FG01300003	4,10	10	100	220
BLK 1 "	FS01300004	4,70	10	60	320
GLV 1 "	FG01300004	6,00	10	60	335
BLK 1 1/4 "	FS01300005	8,40		35	520
GLV 1 1/4 "	FG01300005	10,40		35	530
BLK 1 1/2 "	FS01300006	12,85		25	690
GLV 1 1/2 "	FG01300006	16,10		25	710
BLK 2 "	FS01300007	18,45		15	1.130
GLV 2 "	FG01300007	22,70		15	1.180
BLK 2 1/2 "	FS01300008	41,70		8	1.685
GLV 2 1/2 "	FG01300008	51,90		8	1.790
BLK 3 "	FS01300009	55,80		6	2.265
GLV 3 "	FG01300009	69,30		6	2.350
BLK 4 "	FS01300000	107,35		3	4.070
GLV 4 "	FG01300000	135,90		3	4.355

Dimension	Code	a	z
BLK 3/8 "	FS01300001	25	15
GLV 3/8 "	FG01300001		
BLK 1/2 "	FS01300002	28	15
GLV 1/2 "	FG01300002		
BLK 3/4 "	FS01300003	33	18
GLV 3/4 "	FG01300003		
BLK 1 "	FS01300004	38	21
GLV 1 "	FG01300004		
BLK 1 1/4 "	FS01300005	45	26
GLV 1 1/4 "	FG01300005		
BLK 1 1/2 "	FS01300006	50	31
GLV 1 1/2 "	FG01300006		
BLK 2 "	FS01300007	58	34
GLV 2 "	FG01300007		
BLK 2 1/2 "	FS01300008	69	42
GLV 2 1/2 "	FG01300008		
BLK 3 "	FS01300009	78	48
GLV 3 "	FG01300009		
BLK 4 "	FS01300000	96	60
GLV 4 "	FG01300000		

130R

ISO/EN(B1)

Tee
T-Stück
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Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2-3/4-1/2 "	FS130R0232	4,05	10	130	160
GLV 1/2-3/4-1/2 "	FG130R0232	5,15	10	130	165
BLK 3/4-1/2-1/2 "	FS130R0322	3,65	10	130	155
LV 3/4-1/2-1/2 "	FG130R0322	4,55	10	130	160
BLK 3/4-1/2-3/4 "	FS130R0323	3,35	10	100	180
GLV 3/4-1/2-3/4 "	FG130R0323	4,25	10	100	190
BLK 3/4-3/4-1/2 "	FS130R0332	4,25	10	100	175
GLV 3/4-3/4-1/2 "	FG130R0332	5,40	10	100	180
BLK 3/4-1-1/2 "	FS130R0342	8,40	10	80	235
GLV 3/4-1-1/2 "	FG130R0342	10,55	10	80	245
BLK 3/4-1-3/4 "	FS130R0343	7,15	10	80	240
GLV 3/4-1-3/4 "	FG130R0343	8,75	10	80	250
BLK 1-1/2-1/2 "	FS130R0422	7,75	10	100	195
GLV 1-1/2-1/2 "	FG130R0422	9,55	10	100	205
BLK 1-1/2-3/4 "	FS130R0423	5,40	10	100	200
GLV 1-1/2-3/4 "	FG130R0423	6,80	10	100	210
BLK 1-3/8-1 "	FS130R0414	7,50	10	100	270
GLV 1-3/8-1 "	FG130R0414	9,50	10	100	280
BLK 1-1/2-1 "	FS130R0424	4,40	10	90	210
GLV 1-1/2-1 "	FG130R0424	5,55	10	90	220
BLK 1-3/4-1/2 "	FS130R0432	6,95	10	80	225
GLV 1-3/4-1/2 "	FG130R0432	8,70	10	80	235
BLK 1-3/4-3/4 "	FS130R0433	5,50	10	80	230
GLV 1-3/4-3/4 "	FG130R0433	6,95	10	80	240
BLK 1-3/4-1 "	FS130R0434	4,80	10	70	260
GLV 1-3/4-1 "	FG130R0434	6,00	10	70	275
BLK 1-1 1/4-3/4 "	FS130R0453	13,05		50	310
GLV 1-1 1/4-3/4 "	FG130R0453	16,35		50	320
BLK 1-1 1/4-1 "	FS130R0454	11,00		50	415
GLV 1-1 1/4-1 "	FG130R0454	13,85		50	430
BLK 1 1/4-3/8-1 1/4 "	FS130R0515	10,90		30	385
GLV 1 1/4-3/8-1 1/4 "	FG130R0515	13,70		30	400
BLK 1 1/4-1/2-1 "	FS130R0524	8,65		55	300
GLV 1 1/4-1/2-1 "	FG130R0524	10,80		55	310
BLK 1 1/4-1/2-1 1/4 "	FS130R0525	7,35		55	300
GLV 1 1/4-1/2-1 1/4 "	FG130R0525	9,30		55	315
BLK 1 1/4-3/4-1 "	FS130R0534	10,15		48	330
GLV 1 1/4-3/4-1 "	FG130R0534	12,60		48	340
BLK 1 1/4-3/4-1 1/4 "	FS130R0535	8,00		55	345
GLV 1 1/4-3/4-1 1/4 "	FG130R0535	9,80		55	360
BLK 1 1/4-1-3/4 "	FS130R0543	11,70		48	380
GLV 1 1/4-1-3/4 "	FG130R0543	14,70		48	395
BLK 1 1/4-1-1 "	FS130R0544	9,90		36	410
GLV 1 1/4-1-1 "	FG130R0544	12,30		36	425
BLK 1 1/4-1-1 1/4 "	FS130R0545	8,75		50	380
GLV 1 1/4-1-1 1/4 "	FG130R0545	11,00		50	390
BLK 1 1/4-1 1/4-1 "	FS130R0554	11,00		50	495
GLV 1 1/4-1 1/4-1 "	FG130R0554	14,00		50	520
BLK 1 1/4-1 1/2-1 1/4 "	FS130R0565	17,25		30	645
GLV 1 1/4-1 1/2-1 1/4 "	FG130R0565	21,80		30	670
BLK 1 1/2-1/2-1 1/2 "	FS130R0626	9,90		45	385
GLV 1 1/2-1/2-1 1/2 "	FG130R0626	12,45		45	395
BLK 1 1/2-3/4-1 1/2 "	FS130R0636	10,65		45	425
GLV 1 1/2-3/4-1 1/2 "	FG130R0636	13,50		45	440
BLK 1 1/2-1-1 1/4 "	FS130R0645	13,10		32	530
GLV 1 1/2-1-1 1/4 "	FG130R0645	16,50		32	545
BLK 1 1/2-1-1 1/2 "	FS130R0646	11,60		30	510
GLV 1 1/2-1-1 1/2 "	FG130R0646	14,60		30	535
BLK 1 1/2-1 1/4-1 1/4 "	FS130R0655	16,05		30	625
GLV 1 1/2-1 1/4-1 1/4 "	FG130R0655	20,50		30	650
BLK 1 1/2-1 1/4-1 1/2 "	FS130R0656	15,70		30	555
GLV 1 1/2-1 1/4-1 1/2 "	FG130R0656	19,90		30	580
BLK 1 1/2-3/4-1 1/4 "	FS130R0635	15,00		32	434
GLV 1 1/2-3/4-1 1/4 "	FG130R0635	19,05		32	440
BLK 2-1/2-2 "	FS130R0727	14,55		20	790
GLV 2-1/2-2 "	FG130R0727	18,40		20	840
BLK 2-3/4-2 "	FS130R0737	18,95		20	775
GLV 2-3/4-2 "	FG130R0737	24,00		20	820

130R

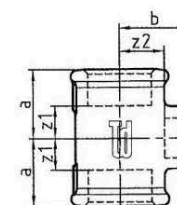
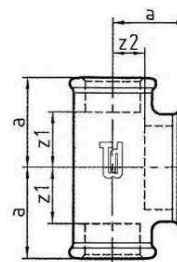
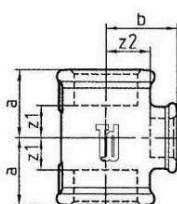
ISO/EN(B1)

Tee

T-Stück

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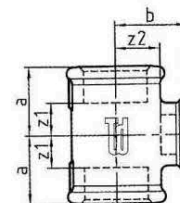
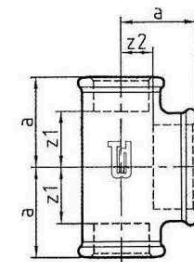
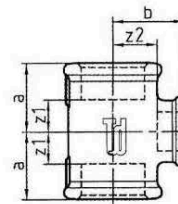


BLK	2-1-1 1/2 "	FS130R0746	20,90	20	690
GLV	2-1-1 1/2 "	FG130R0746	26,30	20	725
BLK	2-1-2 "	FS130R0747	14,90	20	850
GLV	2-1-2 "	FG130R0747	18,60	20	925
BLK	2-1 1/4-1 1/2 "	FS130R0756	20,80	20	880
GLV	2-1 1/4-1 1/2 "	FG130R0756	26,10	20	915
BLK	2-1 1/4-2 "	FS130R0757	18,95	20	860
GLV	2-1 1/4-2 "	FG130R0757	24,00	20	890
BLK	2-1 1/2-2 "	FS130R0767	22,20	20	840
GLV	2-1 1/2-2 "	FG130R0767	27,65	20	875
BLK	2-2-1 "	FS130R0774	22,35	20	1.030
GLV	2-2-1 "	FG130R0774	28,20	20	1.070
BLK	2 1/2-2-2 1/2 "	FS130R0878	40,50	12	1.340
GLV	2 1/2-2-2 1/2 "	FG130R0878	51,15	12	1.420
BLK	3-2-3 "	FS130R0979	55,35	8	2.235
GLV	3-2-3 "	FG130R0979	66,85	8	2.315

Dimension	Code	a	b	c	z1	z2
BLK 1/2-3/4-1/2"	FS130R0232	31	30		18	15
GLV 1/2-3/4-1/2"	FG130R0232					
BLK 3/4-1/2-1/2"	FS130R0322	30	31	28	15	18
GLV 3/4-1/2-1/2"	FG130R0322					
BLK 3/4-1/2-3/4"	FS130R0323	30	31		15	18
GLV 3/4-1/2-3/4"	FG130R0323					
BLK 3/4-3/4-1/2"	FS130R0332	33	33	31	18	18
GLV 3/4-3/4-1/2"	FG130R0332					
BLK 3/4-1-1/2"	FS130R0342	36	35	34	21	18
GLV 3/4-1-1/2"	FG130R0342					
BLK 3/4-1-3/4"	FS130R0343	36	35		21	18
GLV 3/4-1-3/4"	FG130R0343					
BLK 1-1/2-1/2"	FS130R0422	32	34	28	15	21
GLV 1-1/2-1/2"	FG130R0422					
BLK 1-1/2-3/4"	FS130R0423	32	34	30	15	21
GLV 1-1/2-3/4"	FG130R0423					
BLK 1-3/8-1"	FS130R0414	30	32		13	22
GLV 1-3/8-1"	FG130R0414					
BLK 1-1/2-1"	FS130R0424	32	34		15	21
GLV 1-1/2-1"	FG130R0424					
BLK 1-3/4-1/2"	FS130R0432	35	36	31	18	21
GLV 1-3/4-1/2"	FG130R0432					
BLK 1-3/4-3/4"	FS130R0433	35	36	33	18	21
GLV 1-3/4-3/4"	FG130R0433					
BLK 1-3/4-1"	FS130R0434	35	36		18	21
GLV 1-3/4-1"	FG130R0434					
BLK 1-1 1/4-3/4"	FS130R0453	42	40	41	25	21
GLV 1-1 1/4-3/4"	FG130R0453					
BLK 1-1 1/4-1"	FS130R0454	42	40		25	21
GLV 1-1 1/4-1"	FG130R0454					
BLK 1 1/4-3/8-1 1/4"	FS130R0515	32	36		15	27
GLV 1 1/4-3/8-1 1/4"	FG130R0515					
BLK 1 1/4-1/2-1"	FS130R0524	34	38	32	15	25
GLV 1 1/4-1/2-1"	FG130R0524					
BLK 1 1/4-1/2-1 1/4"	FS130R0525	34	38		15	25
GLV 1 1/4-1/2-1 1/4"	FG130R0525					
BLK 1 1/4-3/4-1"	FS130R0534	36	41	35	17	26
GLV 1 1/4-3/4-1"	FG130R0534					
BLK 1 1/4-3/4-1 1/4"	FS130R0535	36	41		17	26
GLV 1 1/4-3/4-1 1/4"	FG130R0535					
BLK 1 1/4-1-3/4"	FS130R0543	40	42	36	21	25
GLV 1 1/4-1-3/4"	FG130R0543					
BLK 1 1/4-1-1"	FS130R0544	40	42	38	21	25
GLV 1 1/4-1-1"	FG130R0544					
BLK 1 1/4-1-1 1/4"	FS130R0545	40	42		21	25
GLV 1 1/4-1-1 1/4"	FG130R0545					
BLK 1 1/4-1 1/4-1"	FS130R0554	45	45	42	26	26
GLV 1 1/4-1 1/4-1"	FG130R0554					
BLK 1 1/4-1 1/2-1 1/4"	FS130R0565	48	46		29	27
GLV 1 1/4-1 1/2-1 1/4"	FG130R0565					
BLK 1 1/2-1/2-1 1/2"	FS130R0626	36	42		17	29
GLV 1 1/2-1/2-1 1/2"	FG130R0626					
BLK 1 1/2-3/4-1 1/2"	FS130R0636	38	44		19	29
GLV 1 1/2-3/4-1 1/2"	FG130R0636					
BLK 1 1/2-1-1 1/4"	FS130R0645	42	46	40	23	29
GLV 1 1/2-1-1 1/4"	FG130R0645					
BLK 1 1/2-1-1 1/2"	FS130R0646	42	46		23	29
GLV 1 1/2-1-1 1/2"	FG130R0646					
BLK 1 1/2-1 1/4-1 1/4"	FS130R0655	46	48	45	27	29
GLV 1 1/2-1 1/4-1 1/4"	FG130R0655					
BLK 1 1/2-1 1/4-1 1/2"	FS130R0656	46	48		27	29
GLV 1 1/2-1 1/4-1 1/2"	FG130R0656					
BLK 1 1/2-3/4-1 1/4"	FS130R0635	38	44	36	17	29
GLV 1 1/2-3/4-1 1/4"	FG130R0635					
BLK 2-1/2-2"	FS130R0727	38	48		14	35
GLV 2-1/2-2"	FG130R0727					
BLK 2-3/4-2"	FS130R0737	40	50		16	35
GLV 2-3/4-2"	FG130R0737					

130R
ISO/EN (B1)

Tee
T-Stück
Té
Ti



130R

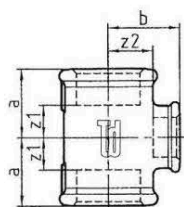
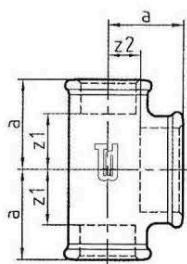
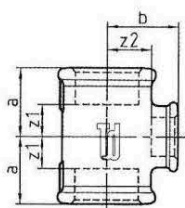
ISO/EN (B1)

Tee

T-Stück

Té

Ti



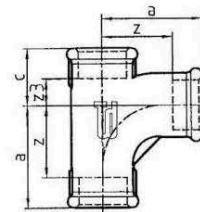
BLK	2-1-1 1/2 "	FS130R0746	44	52	42	20	35
GLV	2-1-1 1/2 "	FG130R0746					
BLK	2-1-2 "	FS130R0747	44	52		20	35
GLV	2-1-2 "	FG130R0747					
BLK	2-1 1/4-1 1/2 "	FS130R0756	48	54	46	24	35
GLV	2-1 1/4-1 1/2 "	FG130R0756					
BLK	2-1 1/4-2 "	FS130R0757	48	54		24	35
GLV	2-1 1/4-2 "	FG130R0757					
BLK	2-1 1/2-2 "	FS130R0767	52	55		28	36
GLV	2-1 1/2-2 "	FG130R0767					
BLK	2-2-1 "	FS130R0774	58	58	52	34	34
GLV	2-2-1 "	FG130R0774					
BLK	2 1/2-2-2 1/2 "	FS130R0878	61	66		34	42
GLV	2 1/2-2-2 1/2 "	FG130R0878					
BLK	3-2-3 "	FS130R0979	64	73		34	49
GLV	3-2-3 "	FG130R0979					

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS01310002	7,25	10	150	170
GLV 1/2 "	FG01310002	9,30	10	150	175
BLK 3/4 "	FS01310003	9,20	10	70	255
GLV 3/4 "	FG01310003	11,75	10	70	265
BLK 1 "	FS01310004	13,90	10	50	525
GLV 1 "	FG01310004	17,80	10	50	540
BLK 2 "	FS01310007	39,65		10	1.840
GLV 2 "	FG01310007	50,90		10	1.900



131
ISO/EN(E1)

Tee
T-Stück
Té
Ti



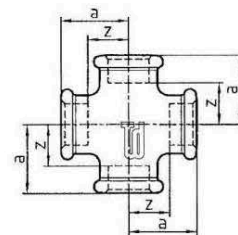
Dimension		Code	a	c	z	z3
BLK	1/2 "	FS01310002		45	24	32
GLV	1/2 "	FG01310002				
BLK	3/4 "	FS01310003		50	28	35
GLV	3/4 "	FG01310003				
BLK	1 "	FS01310004		63	33	46
GLV	1 "	FG01310004				
BLK	2 "	FS01310007		102	53	78
GLV	2 "	FG01310007				

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS01800002	6,55	10	120	150
GLV 1/2 "	FG01800002	8,20	10	120	165
BLK 3/4 "	FS01800003	10,05	10	70	265
GLV 3/4 "	FG01800003	12,30	10	70	280
BLK 1 "	FS01800004	12,30		40	415
GLV 1 "	FG01800004	15,25		40	435
BLK 1 1/4 "	FS01800005	16,35		30	605
GLV 1 1/4 "	FG01800005	20,50		30	640
BLK 1 1/2 "	FS01800006	21,65		25	740
GLV 1 1/2 "	FG01800006	27,35		25	780
BLK 2 "	FS01800007	32,25		15	1.390
GLV 2 "	FG01800007	40,85		15	1.440
BLK 2 1/2 "	FS01800008	73,05		6	1.700
GLV 2 1/2 "	FG01800008	92,50		6	1.750



180
ISO/EN(C1)

Cross
Kreuz
Croix
Croce



Dimension	Code	a	b	z	z1
BLK 1/2 "	FS01800002	28		15	
GLV 1/2 "	FG01800002				
BLK 3/4 "	FS01800003	33		18	
GLV 3/4 "	FG01800003				
BLK 1 "	FS01800004	38		21	
GLV 1 "	FG01800004				
BLK 1 1/4 "	FS01800005	45		26	
GLV 1 1/4 "	FG01800005				
BLK 1 1/2 "	FS01800006	50		31	
GLV 1 1/2 "	FG01800006				
BLK 2 "	FS01800007	58		34	
GLV 2 "	FG01800007				
BLK 2 1/2 "	FS01800008	69		42	
GLV 2 1/2 "	FG01800008				

180R

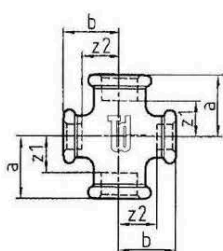
ISO/EN(C1)

Cross

Kreuz

Croix

Croce



Dimension		Code	Index	Bag	Carton	Gr
BLK	3/4-1/2-3/4-1/2 "	FS180R3232	9,20		80	200
GLV	3/4-1/2-3/4-1/2 "	FG180R3232	11,50		80	205
BLK	1-1/2-1-1/2 "	FS180R4242	18,35		60	275
GLV	1-1/2-1-1/2 "	FG180R4242	23,15		60	285
BLK	1-3/4-1-3/4 "	FS180R4343	18,35		60	325
GLV	1-3/4-1-3/4 "	FG180R4343	23,15		60	340
BLK	1 1/4-1-1 1/4-1 "	FS180R5454	20,15		30	480
GLV	1 1/4-1-1 1/4-1 "	FG180R5454	25,45		30	515
BLK	1 1/2-1-1 1/2-1 "	FS180R6464	28,00		25	575
GLV	1 1/2-1-1 1/2-1 "	FG180R6464	35,50		25	620

Dimension		Code	a	b	z	z1	z2
BLK	3/4-1/2-3/4-1/2 "	30	31		15	18	
GLV	3/4-1/2-3/4-1/2 "						
BLK	1-1/2-1-1/2 "	32	34		15	21	
GLV	1-1/2-1-1/2 "						
BLK	1-3/4-1-3/4 "	35	36		18	21	
GLV	1-3/4-1-3/4 "						
BLK	1 1/4-1-1 1/4-1 "	40	42		21	25	
GLV	1 1/4-1-1 1/4-1 "						
BLK	1 1/2-1-1 1/2-1 "	42	46		23	29	
GLV	1 1/2-1-1 1/2-1 "						

240

ISO/EN (M2)

Socket

Muffe

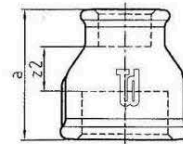
Manchon

Manicotto



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/4-3/8 "	FS02400031	3,20		250	90
GLV 3/4-3/8 "	FG02400031	4,10		250	95
BLK 3/4-1/2 "	FS02400032	2,70	10	250	90
GLV 3/4-1/2 "	FG02400032	3,45	10	250	95
BLK 1-1/2 "	FS02400042	3,45	10	150	160
GLV 1-1/2 "	FG02400042	4,35	10	150	165
BLK 1-3/4 "	FS02400043	3,10	10	140	175
GLV 1-3/4 "	FG02400043	4,00	10	140	180
BLK 1 1/4-3/4 "	FS02400053	5,80		100	240
GLV 1 1/4-3/4 "	FG02400053	7,35		100	250
BLK 1 1/4-1 "	FS02400054	5,70	10	100	230
GLV 1 1/4-1 "	FG02400054	7,15	10	100	250
BLK 1 1/2-1/2 "	FS02400062	10,30		70	355
GLV 1 1/2-1/2 "	FG02400062	12,95		70	375
BLK 1 1/2-3/4 "	FS02400063	9,00		70	325
GLV 1 1/2-3/4 "	FG02400063	11,40		70	345
BLK 1 1/2-1 "	FS02400064	6,95		70	310
GLV 1 1/2-1 "	FG02400064	8,70		70	320
BLK 1 1/2-1 1/4 "	FS02400065	7,55		70	285
GLV 1 1/2-1 1/4 "	FG02400065	9,55		70	295
BLK 2-1/2 "	FS02400072	14,25		50	540
GLV 2-1/2 "	FG02400072	17,95		50	566
BLK 2-3/4 "	FS02400073	14,85		45	524
GLV 2-3/4 "	FG02400073	18,60		45	547
BLK 2-1 "	FS02400074	13,40		40	515
GLV 2-1 "	FG02400074	17,10		40	530
BLK 2-1 1/4 "	FS02400075	12,05		40	460
GLV 2-1 1/4 "	FG02400075	15,10		40	480
BLK 2-1 1/2 "	FS02400076	11,35		40	450
GLV 2-1 1/2 "	FG02400076	14,30		40	475
BLK 3-2 "	FS02400097	48,40		20	1.226
GLV 3-2 "	FG02400097	61,15		20	1.231
BLK 4-2 "	FS02400007	83,60		10	1.405
GLV 4-2 "	FG02400007	105,85		10	1.445
BLK 4-3 "	FS02400009	89,60		10	1.580
GLV 4-3 "	FG02400009	113,50		10	1.625

Dimension	Code	a	z2
BLK 3/4-3/8 "	FS02400031	39	14
GLV 3/4-3/8 "	FG02400031		
BLK 3/4-1/2 "	FS02400032	39	11
GLV 3/4-1/2 "	FG02400032		
BLK 1-1/2 "	FS02400042	45	15
GLV 1-1/2 "	FG02400042		
BLK 1-3/4 "	FS02400043	45	13
GLV 1-3/4 "	FG02400043		
BLK 1 1/4-3/4 "	FS02400053	50	16
GLV 1 1/4-3/4 "	FG02400053		
BLK 1 1/4-1 "	FS02400054	50	14
GLV 1 1/4-1 "	FG02400054		
BLK 1 1/2-1/2 "	FS02400062	55	23
GLV 1 1/2-1/2 "	FG02400062		
BLK 1 1/2-3/4 "	FS02400063	55	21
GLV 1 1/2-3/4 "	FG02400063		
BLK 1 1/2-1 "	FS02400064	55	19
GLV 1 1/2-1 "	FG02400064		
BLK 1 1/2-1 1/4 "	FS02400065	55	17
GLV 1 1/2-1 1/4 "	FG02400065		
BLK 2-1/2 "	FS02400072	65	28
GLV 2-1/2 "	FG02400072		
BLK 2-3/4 "	FS02400073	65	26
GLV 2-3/4 "	FG02400073		
BLK 2-1 "	FS02400074	65	24
GLV 2-1 "	FG02400074		
BLK 2-1 1/4 "	FS02400075	65	22
GLV 2-1 1/4 "	FG02400075		
BLK 2-1 1/2 "	FS02400076	65	22
GLV 2-1 1/2 "	FG02400076		
BLK 3-2 "	FS02400097	80	26
GLV 3-2 "	FG02400097		
BLK 4-2 "	FS02400007	94	34
GLV 4-2 "	FG02400007		
BLK 4-3 "	FS02400009	94	28
GLV 4-3 "	FG02400009		



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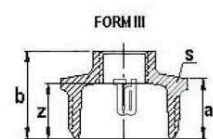
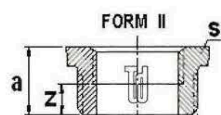
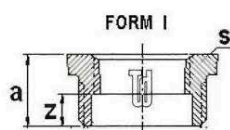
ISO/EN (N4)

Reducing bush

Reduziernippel

Mamelon Réduit

Nipplo di riduzione



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2-3/8 "	FS02410021	1,30	10	600	35
GLV 1/2-3/8 "	FG02410021	1,75	10	600	35
BLK 3/4-3/8 "	FS02410031	2,00	10	450	65
GLV 3/4-3/8 "	FG02410031	2,40	10	450	65
BLK 3/4-1/2 "	FS02410032	1,40	10	450	50
GLV 3/4-1/2 "	FG02410032	1,90	10	450	55
BLK 1-3/8 "	FS02410041	3,20	10	250	125
GLV 1-3/8 "	FG02410041	4,00	10	250	130
BLK 1-1/2 "	FS02410042	2,05	10	250	115
GLV 1-1/2 "	FG02410042	2,65	10	250	120
BLK 1-3/4 "	FS02410043	1,90	10	250	100
GLV 1-3/4 "	FG02410043	2,45	10	250	105
BLK 1 1/4-1/2 "	FS02410052	3,75	10	140	165
GLV 1 1/4-1/2 "	FG02410052	4,45	10	140	175
BLK 1 1/4-3/4 "	FS02410053	3,15	10	150	165
GLV 1 1/4-3/4 "	FG02410053	4,00	10	150	175
BLK 1 1/4-1 "	FS02410054	2,40	10	150	130
GLV 1 1/4-1 "	FG02410054	2,95	10	150	135
BLK 1 1/2-1/2 "	FS02410062	4,60	10	120	225
GLV 1 1/2-1/2 "	FG02410062	5,90	10	120	235
BLK 1 1/2-3/4 "	FS02410063	5,25	10	120	230
GLV 1 1/2-3/4 "	FG02410063	6,50	10	120	235
BLK 1 1/2-1 "	FS02410064	3,45	10	140	190
GLV 1 1/2-1 "	FG02410064	4,35	10	140	195
BLK 1 1/2-1 1/4 "	FS02410065	3,55	10	150	125
GLV 1 1/2-1 1/4 "	FG02410065	4,45	10	150	130
BLK 2-1/2 "	FS02410072	9,40		65	365
GLV 2-1/2 "	FG02410072	11,90		65	375
BLK 2-3/4 "	FS02410073	9,30		65	375
GLV 2-3/4 "	FG02410073	11,75		65	385
BLK 2-1 "	FS02410074	7,65		60	390
GLV 2-1 "	FG02410074	9,65		60	400
BLK 2-1 1/4 "	FS02410075	7,25		60	330
GLV 2-1 1/4 "	FG02410075	9,15		60	340
BLK 2-1 1/2 "	FS02410076	6,50		75	275
GLV 2-1 1/2 "	FG02410076	8,25		75	280
BLK 2 1/2-1 "	FS02410084	15,20		30	690
GLV 2 1/2-1 "	FG02410084	19,00		30	700
BLK 2 1/2-1 1/4 "	FS02410085	17,45		30	710
GLV 2 1/2-1 1/4 "	FG02410085	21,95		30	720
BLK 2 1/2-1 1/2 "	FS02410086	16,65		35	625
GLV 2 1/2-1 1/2 "	FG02410086	20,75		35	645
BLK 2 1/2-2 "	FS02410087	12,55		35	505
GLV 2 1/2-2 "	FG02410087	15,85		35	520
BLK 3-1 "	FS02410094	23,55		30	800
GLV 3-1 "	FG02410094	29,75		30	830
BLK 3-1 1/4 "	FS02410095	23,55		30	900
GLV 3-1 1/4 "	FG02410095	29,75		30	920
BLK 3-1 1/2 "	FS02410096	22,00		30	880
GLV 3-1 1/2 "	FG02410096	27,60		30	905
BLK 3-2 "	FS02410097	16,45		30	940
GLV 3-2 "	FG02410097	20,45		30	955
BLK 3-2 1/2 "	FS02410098	18,60		30	660
GLV 3-2 1/2 "	FG02410098	23,15		30	665
BLK 4-2 "	FS02410007	47,10		16	1.520
GLV 4-2 "	FG02410007	59,65		16	1.535
BLK 4-2 1/2 "	FS02410008	35,00		16	1.490
GLV 4-2 1/2 "	FG02410008	44,35		16	1.535
BLK 4-3 "	FS02410009	33,55		16	1.390
GLV 4-3 "	FG02410009	42,55		16	1.430

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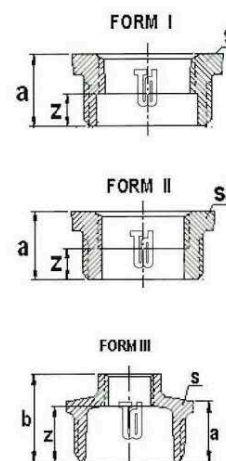
ISO/EN (N4)

Reducing bush

Reduziernippel

Mamelon Réduit

Nipplo di riduzione



Dimension	Code	a	b	s	z
BLK 1/2-3/8 "	FS0241002124		22	14	
GLV 1/2-3/8 "	FG02410021				
BLK 3/4-3/8 "	FS0241003126		36	17	
GLV 3/4-3/8 "	FG02410031				
BLK 3/4-1/2 "	FS0241003226		30	13	
GLV 3/4-1/2 "	FG02410032				
BLK 1-3/8 "	FS0241004129		38	19	
GLV 1-3/8 "	FG02410041				
BLK 1-1/2 "	FS0241004229		38	16	
GLV 1-1/2 "	FG02410042				
BLK 1-3/4 "	FS0241004329		38	14	
GLV 1-3/4 "	FG02410043				
BLK 1 1/4-1/2 "	FS0241005231		46	18	
GLV 1 1/4-1/2 "	FG02410052				
BLK 1 1/4-3/4 "	FS0241005331		46	16	
GLV 1 1/4-3/4 "	FG02410053				
BLK 1 1/4-1 "	FS0241005431		46	16	
GLV 1 1/4-1 "	FG02410054				
BLK 1 1/2-1/2 "	FS0241006231		50	18	
GLV 1 1/2-1/2 "	FG02410062				
BLK 1 1/2-3/4 "	FS0241006331		50	16	
GLV 1 1/2-3/4 "	FG02410063				
BLK 1 1/2-1 "	FS0241006431		50	14	
GLV 1 1/2-1 "	FG02410064				
BLK 1 1/2-1 1/4 "	FS0241006531		50	12	
GLV 1 1/2-1 1/4 "	FG02410065				
BLK 2-1/2 "	FS0241007235	48	65	35	
GLV 2-1/2 "	FG02410072				
BLK 2-3/4 "	FS0241007335	48	65	33	
GLV 2-3/4 "	FG02410073				
BLK 2-1 "	FS0241007435		65	20	
GLV 2-1 "	FG02410074				
BLK 2-1 1/4 "	FS0241007535		65	18	
GLV 2-1 1/4 "	FG02410075				
BLK 2-1 1/2 "	FS0241007635		64	18	
GLV 2-1 1/2 "	FG02410076				
BLK 2 1/2-1 "	FS0241008440	54	80	37	
GLV 2 1/2-1 "	FG02410084				
BLK 2 1/2-1 1/4 "	FS0241008540	54	80	35	
GLV 2 1/2-1 1/4 "	FG02410085				
BLK 2 1/2-1 1/2 "	FS0241008640		80	21	
GLV 2 1/2-1 1/2 "	FG02410086				
BLK 2 1/2-2 "	FS0241008740		80	16	
GLV 2 1/2-2 "	FG02410087				
BLK 3-1 "	FS0241009444	59	96	42	
GLV 3-1 "	FG02410094				
BLK 3-1 1/4 "	FS0241009544	59	97	40	
GLV 3-1 1/4 "	FG02410095				
BLK 3-1 1/2 "	FS0241009644	59	97	40	
GLV 3-1 1/2 "	FG02410096				
BLK 3-2 "	FS0241009744		97	20	
GLV 3-2 "	FG02410097				
BLK 3-2 1/2 "	FS0241009844		97	17	
GLV 3-2 1/2 "	FG02410098				
BLK 4-2 "	FS0241000751	69	122	46	
GLV 4-2 "	FG02410007				
BLK 4-2 1/2 "	FS0241000851	69	122	42	
GLV 4-2 1/2 "	FG02410008				
BLK 4-3 "	FS0241000951		122	21	
GLV 4-3 "	FG02410009				

245

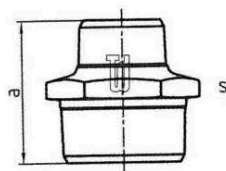
ISO/EN (N8)

Hexagon nipple

Doppelnippel

Mamelon

Nipplo doppio



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2-3/8 "	FS02450021	3.20	10	450	55
GLV 1/2-3/8 "	FG02450021	4.10	10	450	60
BLK 3/4-1/2 "	FS02450032	2.90	10	250	100
GLV 3/4-1/2 "	FG02450032	3.60	10	250	105
BLK 1-1/2 "	FS02450042	5.70	10	150	165
GLV 1-1/2 "	FG02450042	7.20	10	150	170
BLK 1-3/4 "	FS02450043	3.20	10	150	165
GLV 1-3/4 "	FG02450043	4.10	10	150	175
BLK 1 1/4-1/2 "	FS02450052	8.80		100	265
GLV 1 1/4-1/2 "	FG02450052	11.10		100	280
BLK 1 1/4-3/4 "	FS02450053	7.65		100	225
GLV 1 1/4-3/4 "	FG02450053	9.45		100	240
BLK 1 1/4-1 "	FS02450054	5.30	10	100	245
GLV 1 1/4-1 "	FG02450054	6.55	10	100	260
BLK 1 1/2-3/4 "	FS02450063	7.65		90	375
GLV 1 1/2-3/4 "	FG02450063	9.55		90	390
BLK 1 1/2-1 "	FS02450064	12.05	10	90	265
GLV 1 1/2-1 "	FG02450064	15.25	10	90	275
BLK 1 1/2-1 1/4 "	FS02450065	6.45		90	290
GLV 1 1/2-1 1/4 "	FG02450065	8.20		90	305
BLK 2-1 "	FS02450074	10.90		45	525
GLV 2-1 "	FG02450074	13.75		45	545
BLK 2-1 1/4 "	FS02450075	13.70		45	540
GLV 2-1 1/4 "	FG02450075	17.10		45	550
BLK 2-1 1/2 "	FS02450076	12.35		45	540
GLV 2-1 1/2 "	FG02450076	15.60		45	560
BLK 2 1/2-2 "	FS02450087	30.15		20	690
GLV 2 1/2-2 "	FG02450087	37.55		20	720
BLK 3-2 "	FS02450097	36.60		15	1.296
GLV 3-2 "	FG02450097	46.25		15	1.314
BLK 3-2 1/2 "	FS02450098	48.00		15	1.390
GLV 3-2 1/2 "	FG02450098	60.75		15	1.405
BLK 4-3 "	FS02450009	90.05		10	2.060
GLV 4-3 "	FG02450009	114.10		10	2.075

Dimension	Code	a	s
BLK 1/2-3/8 "	FS02450021	44	22
GLV 1/2-3/8 "	FG02450021		
BLK 3/4-1/2 "	FS02450032	47	30
GLV 3/4-1/2 "	FG02450032		
BLK 1-1/2 "	FS02450042	53	36
GLV 1-1/2 "	FG02450042		
BLK 1-3/4 "	FS02450043	53	36
GLV 1-3/4 "	FG02450043		
BLK 1 1/4-1/2 "	FS02450052	57	50
GLV 1 1/4-1/2 "	FG02450052		
BLK 1 1/4-3/4 "	FS02450053	57	46
GLV 1 1/4-3/4 "	FG02450053		
BLK 1 1/4-1 "	FS02450054	57	46
GLV 1 1/4-1 "	FG02450054		
BLK 1 1/2-3/4 "	FS02450063	59	60
GLV 1 1/2-3/4 "	FG02450063		
BLK 1 1/2-1 "	FS02450064	59	50
GLV 1 1/2-1 "	FG02450064		
BLK 1 1/2-1 1/4 "	FS02450065	59	50
GLV 1 1/2-1 1/4 "	FG02450065		
BLK 2-1 "	FS02450074	68	65
GLV 2-1 "	FG02450074		
BLK 2-1 1/4 "	FS02450075	68	65
GLV 2-1 1/4 "	FG02450075		
BLK 2-1 1/2 "	FS02450076	68	65
GLV 2-1 1/2 "	FG02450076		
BLK 2 1/2-2 "	FS02450087	75	90
GLV 2 1/2-2 "	FG02450087		
BLK 3-2 "	FS02450097	83	100
GLV 3-2 "	FG02450097		
BLK 3-2 1/2 "	FS02450098	83	100
GLV 3-2 1/2 "	FG02450098		
BLK 4-3 "	FS02450009	94	130
GLV 4-3 "	FG02450009		

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2-3/8 "	FS02460021	2,65	10	300	75
GLV 1/2-3/8 "	FG02460021	3,30	10	300	80
BLK 3/4-1/2 "	FS02460032	2,80	10	180	110
GLV 3/4-1/2 "	FG02460032	3,55	10	180	115
BLK 1-1/2 "	FS02460042	4,35	10	100	165
GLV 1-1/2 "	FG02460042	5,45	10	100	175
BLK 1 1/2-1 "	FS02460064	9,90		60	335
GLV 1 1/2-1 "	FG02460064	12,30		60	350

Dimension	Code	a	z
BLK 1/2-3/8 "	FS02460021	43	30
GLV 1/2-3/8 "	FG02460021		
BLK 3/4-1/2 "	FS02460032	48	33
GLV 3/4-1/2 "	FG02460032		
BLK 1-1/2 "	FS02460042	55	38
GLV 1-1/2 "	FG02460042		
BLK 1 1/2-1 "	FS02460064	63	44
GLV 1 1/2-1 "	FG02460064		

Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS02700001	2,00	10	500	55
GLV 3/8 "	FG02700001	2,40	10	500	60
BLK 1/2 "	FS02700002	1,55	10	370	70
GLV 1/2 "	FG02700002	1,95	10	370	75
BLK 3/4 "	FS02700003	2,05	10	200	105
GLV 3/4 "	FG02700003	2,65	10	200	110
BLK 1 "	FS02700004	2,70	10	140	160
GLV 1 "	FG02700004	3,50	10	140	170
BLK 1 1/4 "	FS02700005	4,40		100	240
GLV 1 1/4 "	FG02700005	5,55		100	250
BLK 1 1/2 "	FS02700006	6,20		70	305
GLV 1 1/2 "	FG02700006	8,00		70	315
BLK 2 "	FS02700007	9,40		35	420
GLV 2 "	FG02700007	11,90		35	445
BLK 2 1/2 "	FS02700008	26,45		24	750
GLV 2 1/2 "	FG02700008	32,85		24	775
BLK 3 "	FS02700009	31,70		15	1.030
GLV 3 "	FG02700009	39,45		15	1.095
BLK 4 "	FS02700000	72,85		7	2.360
GLV 4 "	FG02700000	92,10		7	2.420

Dimension	Code	a	z1
BLK 3/8 "	FS02700001	30	10
GLV 3/8 "	FG02700001		
BLK 1/2 "	FS02700002	36	10
GLV 1/2 "	FG02700002		
BLK 3/4 "	FS02700003	39	9
GLV 3/4 "	FG02700003		
BLK 1 "	FS02700004	45	11
GLV 1 "	FG02700004		
BLK 1 1/4 "	FS02700005	50	12
GLV 1 1/4 "	FG02700005		
BLK 1 1/2 "	FS02700006	55	17
GLV 1 1/2 "	FG02700006		
BLK 2 "	FS02700007	65	17
GLV 2 "	FG02700007		
BLK 2 1/2 "	FS02700008	74	20
GLV 2 1/2 "	FG02700008		
BLK 3 "	FS02700009	80	20
GLV 3 "	FG02700009		
BLK 4 "	FS02700000	94	22
GLV 4 "	FG02700000		



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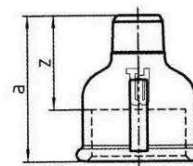
ISO/DIN (M4)

Reducing
sockets
male/female

Reduziermuffen mit
Innen-und Außen-
gewinde

Manchons réduits
mâles/femelles

Manicotti ridotti
maschio/femmina



270

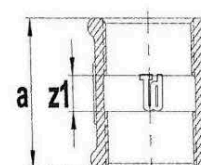
ISO/EN (M2)

Socket

Muffe

Manchon

Manicotto





271

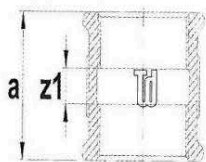
ISO/EN (M2 R-L)

Socket, right and left hand thread

Muffe mit Rechts- und Linksgewinde

Manchon filetage droite/gauche

Manicotto con filettatura destra/sinistra



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS02710001	2,70	10	500	55
GLV 3/8 "	FG02710001	3,40	10	500	60
BLK 1/2 "	FS02710002	2,45	10	370	70
GLV 1/2 "	FG02710002	3,05	10	370	75
BLK 3/4 "	FS02710003	3,15	10	200	105
GLV 3/4 "	FG02710003	4,05	10	200	110
BLK 1 "	FS02710004	4,20	10	140	150
GLV 1 "	FG02710004	5,30	10	140	160
BLK 1 1/4 "	FS02710005	8,05		100	240
GLV 1 1/4 "	FG02710005	10,15		100	250
BLK 1 1/2 "	FS02710006	8,80		70	240
GLV 1 1/2 "	FS02710006	11,10		70	310
BLK 2 "	FS02710007	15,80		35	420
GLV 2 "	FG02710007	19,90		35	455

Dimension	Code	a	z1
BLK 3/8 "	FS02710001	30	10
GLV 3/8 "	FG02710001		
BLK 1/2 "	FS02710002	36	10
GLV 1/2 "	FG02710002		
BLK 3/4 "	FS02710003	39	9
GLV 3/4 "	FG02710003		
BLK 1 "	FS02710004	45	11
GLV 1 "	FG02710004		
BLK 1 1/4 "	FS02710005	50	12
GLV 1 1/4 "	FG02710005		
BLK 1 1/2 "	FS02710006	55	17
GLV 1 1/2 "	FG02710006		
BLK 2 "	FS02710007	65	17
GLV 2 "	FG02710007		

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ISO/EN (N8)

Hexagon nipple

Doppelnippel

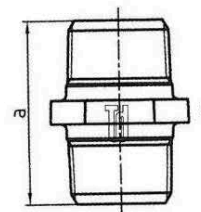
Mamelon

Nipplo doppio



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS02800001	2,65	10	500	45
GLV 3/8 "	FG02800001	3,30	10	500	45
BLK 1/2 "	FS02800002	1,40	10	400	60
GLV 1/2 "	FG02800002	1,80	10	400	65
BLK 3/4 "	FS02800003	1,90	10	260	100
GLV 3/4 "	FG02800003	2,40	10	260	105
BLK 1 "	FS02800004	2,60	10	150	160
GLV 1 "	FG02800004	3,40	10	150	170
BLK 1 1/4 "	FS02800005	4,40	10	90	285
GLV 1 1/4 "	FG02800005	5,55	10	90	295
BLK 1 1/2 "	FS02800006	5,20		70	385
GLV 1 1/2 "	FG02800006	6,40		70	405
BLK 2 "	FS02800007	9,20		40	525
GLV 2 "	FG02800007	11,55		40	550
BLK 2 1/2 "	FS02800008	16,65		20	860
GLV 2 1/2 "	FG02800008	20,75		20	880
BLK 3 "	FS02800009	20,15		15	1.215
GLV 3 "	FG02800009	25,00		15	1.235
BLK 4 "	FS02800000	72,85		9	1.695
GLV 4 "	FG02800000	92,10		9	1.765

Dimension	Code	a	s
BLK 3/8 "	FS02800001	38	22
GLV 3/8 "	FG02800001		
BLK 1/2 "	FS02800002	44	27
GLV 1/2 "	FG02800002		
BLK 3/4 "	FS02800003	47	34
GLV 3/4 "	FG02800003		
BLK 1 "	FS02800004	53	41
GLV 1 "	FG02800004		
BLK 1 1/4 "	FS02800005	57	50
GLV 1 1/4 "	FG02800005		
BLK 1 1/2 "	FS02800006	59	54
GLV 1 1/2 "	FG02800006		
BLK 2 "	FS02800007	68	69
GLV 2 "	FG02800007		
BLK 2 1/2 "	FS02800008	75	85
GLV 2 1/2 "	FG02800008		
BLK 3 "	FS02800009	83	99
GLV 3 "	FG02800009		
BLK 4 "	FS02800000	95	131
GLV 4 "	FG02800000		



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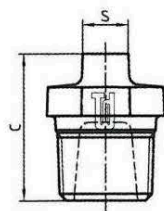
ISO/EN (T9)

Plug, beaded

Stopfen mit
Rand

Bouchon avec
collet

Tappo con
bordo



Dimension	Code	Index	Bag	Carton	Gr
BLK 3/8 "	FS02900001	1,15	10	500	30
GLV 3/8 "	FG02900001	1,40	10	500	30
BLK 1/2 "	FS02900002	1,15	10	600	45
GLV 1/2 "	FG02900002	1,40	10	600	50
BLK 3/4 "	FS02900003	1,55	10	400	70
GLV 3/4 "	FG02900003	1,90	10	400	75
BLK 1 "	FS02900004	1,75	10	240	115
GLV 1 "	FG02900004	2,10	10	240	120
BLK 1 1/4 "	FS02900005	3,05	10	150	175
GLV 1 1/4 "	FG02900005	3,85	10	150	180
BLK 1 1/2 "	FS02900006	3,85	10	110	230
GLV 1 1/2 "	FG02900006	4,70	10	110	240
BLK 2 "	FS02900007	6,85		70	380
GLV 2 "	FG02900007	8,45		70	390
BLK 2 1/2 "	FS02900008	14,50		30	700
GLV 2 1/2 "	FG02900008	18,35		30	705
BLK 3 "	FS02900009	18,80		25	1.130
GLV 3 "	FG02900009	23,70		25	1.145
BLK 4 "	FS02900000	33,05		15	1.355
GLV 4 "	FG02900000	41,85		15	1.385

Dimension	Code	c	s
BLK 3/8 "	FS02900001	24	10
GLV 3/8 "	FG02900001		
BLK 1/2 "	FS02900002	27	11
GLV 1/2 "	FG02900002		
BLK 3/4 "	FS02900003	32	17
GLV 3/4 "	FG02900003		
BLK 1 "	FS02900004	37	18
GLV 1 "	FG02900004		
BLK 1 1/4 "	FS02900005	40	22
GLV 1 1/4 "	FG02900005		
BLK 1 1/2 "	FS02900006	41	22
GLV 1 1/2 "	FG02900006		
BLK 2 "	FS02900007	48	27
GLV 2 "	FG02900007		
BLK 2 1/2 "	FS02900008	54	32
GLV 2 1/2 "	FG02900008		
BLK 3 "	FS02900009	60	37
GLV 3 "	FG02900009		
BLK 4 "	FS02900000	73	41
GLV 4 "	FG02900000		

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS02910002	1,20	10	800	30
GLV 1/2 "	FG02910002	1,60	10	800	30
BLK 3/4 "	FS02910003	1,80	10	500	55
GLV 3/4 "	FG02910003	2,40	10	500	55
BLK 1 "	FS02910004	2,25	10	280	95
GLV 1 "	FG02910004	2,80	10	280	100
BLK 1 1/4 "	FS02910005	3,10	10	200	125
GLV 1 1/4 "	FG02910005	4,00	10	200	130
BLK 1 1/2 "	FS02910006	5,35	10	170	150
GLV 1 1/2 "	FG02910006	6,65	10	170	155
BLK 2 "	FS02910007	7,35		85	305
GLV 2 "	FG02910007	9,15		85	320
BLK 3 "	FS02910009	17,10		40	675
GLV 3 "	FG02910009	21,50		40	685
BLK 4 "	FS02910000	59,35		20	1.295
GLV 4 "	FG02910000	75,15		20	1.310

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ISO/EN (T8)

Plug, plain

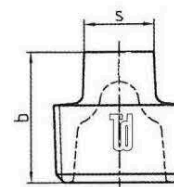
Stopfen ohne
Rand

Bouchon sans
collet

Tappo senza
bordo



Dimension	Code	b	s
BLK 1/2 "	FS02910002	23	11
GLV 1/2 "	FG02910002		
BLK 3/4 "	FS02910003	26	17
GLV 3/4 "	FG02910003		
BLK 1 "	FS02910004	32	19
GLV 1 "	FG02910004		
BLK 1 1/4 "	FS02910005	32	22
GLV 1 1/4 "	FG02910005		
BLK 1 1/2 "	FS02910006	33	22
GLV 1 1/2 "	FG02910006		
BLK 2 "	FS02910007	42	27
GLV 2 "	FG02910007		
BLK 3 "	FS02910009	46	32
GLV 3 "	FG02910009		
BLK 4 "	FS02910000	60	36
GLV 4 "	FG02910000		



300

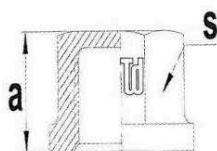
ISO/EN(T1)

Cap

Kappe

Bouchon

Calotta



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS03000002	1,75	10	400	60
GLV 1/2 "	FG03000002	2,25	10	400	65
BLK 3/4 "	FS03000003	2,05	10	250	90
GLV 3/4 "	FG03000003	2,65	10	250	95
BLK 1 "	FS03000004	2,50	10	190	145
GLV 1 "	FG03000004	3,10	10	190	155
BLK 1 1/4 "	FS03000005	3,85	10	120	195
GLV 1 1/4 "	FG03000005	4,70	10	120	205
BLK 1 1/2 "	FS03000006	4,75	10	110	260
GLV 1 1/2 "	FG03000006	5,85	10	110	270
BLK 2 "	FS03000007	8,80		70	325
GLV 2 "	FG03000007	11,05		70	340
BLK 2 1/2 "	FS03000008	16,10		30	870
GLV 2 1/2 "	FG03000008	20,10		30	910
BLK 3 "	FS03000009	17,60		25	960
GLV 3 "	FG03000009	22,00		25	1.020
BLK 4 "	FS03000000	37,95		13	1.625
GLV 4 "	FG03000000	48,15		13	1.670

Dimension	Code	a	s
BLK 1/2 "	FS03000002	23	26
GLV 1/2 "	FG03000002		
BLK 3/4 "	FS03000003	26	32
GLV 3/4 "	FG03000003		
BLK 1 "	FS03000004	30	38
GLV 1 "	FG03000004		
BLK 1 1/4 "	FS03000005	33	46
GLV 1 1/4 "	FG03000005		
BLK 1 1/2 "	FS03000006	36	52
GLV 1 1/2 "	FG03000006		
BLK 2 "	FS03000007	40	62
GLV 2 "	FG03000007		
BLK 2 1/2 "	FS03000008	43	85
GLV 2 1/2 "	FG03000008		
BLK 3 "	FS03000009	45	97
GLV 3 "	FG03000009		
BLK 4 "	FS03000000	47	123
GLV 4 "	FG03000000		



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS03100002	1,30	10	900	35
GLV 1/2 "	FG03100002	1,65	10	900	40
BLK 3/4 "	FS03100003	1,40	10	540	45
GLV 3/4 "	FG03100003	1,75	10	540	50
BLK 1 "	FS03100004	2,10	10	300	80
GLV 1 "	FG03100004	2,55	10	300	85
BLK 1 1/4 "	FS03100005	3,05		235	105
GLV 1 1/4 "	FG03100005	3,75		235	110
BLK 1 1/2 "	FS03100006	3,40		200	130
GLV 1 1/2 "	FG03100006	4,20		200	135
BLK 2 "	FS03100007	6,75		110	210
GLV 2 "	FG03100007	8,40		110	220
BLK 2 1/2 "	FS03100008	15,00		80	340
GLV 2 1/2 "	FG03100008	18,90		80	348

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ISO/EN(P4)

Backnut

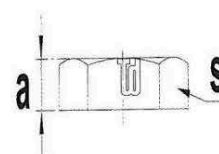
Gegenmutter

Contre-écrou

Controdado



Dimension	Code	a	s
BLK 1/2 "	FS03100002	9	32
GLV 1/2 "	FG03100002		
BLK 3/4 "	FS03100003	10	36
GLV 3/4 "	FG03100003		
BLK 1 "	FS03100004	11	46
GLV 1 "	FG03100004		
BLK 1 1/4 "	FS03100005	12	55
GLV 1 1/4 "	FG03100005		
BLK 1 1/2 "	FS03100006	13	60
GLV 1 1/2 "	FG03100006		
BLK 2 "	FS03100007	14	75
GLV 2 "	FG03100007		
BLK 2 1/2 "	FS03100008	16	95
GLV 2 1/2 "	FG03100008		



330

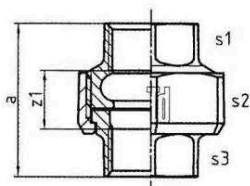
ISO/EN (U1)

Union,
flat seat

Verschraubung,
flach dichtend

Manchon union
à joint plat

Bocchettone a
sede piana



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS03300002	5,85	10	130	210
GLV 1/2 "	FG03300002	7,05	10	130	215
BLK 3/4 "	FS03300003	6,65	10	80	300
GLV 3/4 "	FG03300003	8,25	10	80	310
BLK 1 "	FS03300004	7,40	10	70	335
GLV 1 "	FG03300004	9,40	10	70	345
BLK 1 1/4 "	FS03300005	12,85		40	605
GLV 1 1/4 "	FG03300005	16,10		40	620
BLK 1 1/2 "	FS03300006	16,50		35	680
GLV 1 1/2 "	FG03300006	20,85		35	695
BLK 2 "	FS03300007	27,20		20	995
GLV 2 "	FG03300007	34,60		20	1.015
BLK 2 1/2 "	FS03300008	62,75		12	1.805
GLV 2 1/2 "	FG03300008	79,30		12	1.850
BLK 3 "	FS03300009	92,05		10	2.575
GLV 3 "	FG03300009	116,45		10	2.630

Dimension	Code	a	z1	s1	s2	s3
BLK 1/2 "	FS03300002	48	22	26	42	26
GLV 1/2 "	FG03300002					
BLK 3/4 "	FS03300003	52	22	31	50	31
GLV 3/4 "	FG03300003					
BLK 1 "	FS03300004	59	25	38	55	38
GLV 1 "	FG03300004					
BLK 1 1/4 "	FS03300005	65	27	48	68	48
GLV 1 1/4 "	FG03300005					
BLK 1 1/2 "	FS03300006	70	32	54	75	54
GLV 1 1/2 "	FG03300006					
BLK 2 "	FS03300007	80	30	66	90	65
GLV 2 "	FG03300007					
BLK 2 1/2 "	FS03300008	85	31	83	110	83
GLV 2 1/2 "	FG03300008					
BLK 3 "	FS03300009	95	35	96	130	97
GLV 3 "	FG03300009					

331

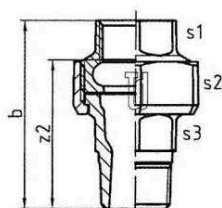
ISO/EN (U2)

Union, flat seat

Verschraubung,
flach dichtend

Manchon union
à joint plat

Bocchettone a
sede piana



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS03310002	6,70	10	120	225
GLV 1/2 "	FG03310002	8,30	10	120	230
BLK 3/4 "	FS03310003	7,30	10	80	320
GLV 3/4 "	FG03310003	9,30	10	80	325
BLK 1 "	FS03310004	8,90		60	390
GLV 1 "	FG03310004	11,10		60	405
BLK 1 1/4 "	FS03310005	15,40		35	775
GLV 1 1/4 "	FG03310005	20,20		35	805
BLK 1 1/2 "	FS03310006	19,40		30	825
GLV 1 1/2 "	FG03310006	24,45		30	855
BLK 2 "	FS03310007	30,20		15	1.180
GLV 2 "	FG03310007	38,25		15	1.220

Dimension	Code	b	z2	s1	s2	s3
BLK 1/2 "	FS03310002	66	53	26	42	26
GLV 1/2 "	FG03310002					
BLK 3/4 "	FS03310003	72	57	31	50	31
GLV 3/4 "	FG03310003					
BLK 1 "	FS03310004	80	63	38	55	38
GLV 1 "	FG03310004					
BLK 1 1/4 "	FS03310005	90	71	48	68	47
GLV 1 1/4 "	FG03310005					
BLK 1 1/2 "	FS03310006	95	76	54	75	53
GLV 1 1/2 "	FG03310006					
BLK 2 "	FS03310007	106	82	66	90	65
GLV 2 "	FG03310007					


340
ISO/EN (U11)

 Union, taper
seat

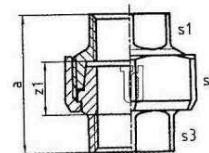
 Verschraubung
mit
Kegeldichtung

 Manchon union
à joint conique

 Bocchettone a
sede conica

Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS03400002	7,00	10	130	210
GLV 1/2 "	FG03400002	8,80	10	130	215
BLK 3/4 "	FS03400003	7,90	10	80	305
GLV 3/4 "	FG03400003	10,00	10	80	310
BLK 1 "	FS03400004	9,20	10	70	335
GLV 1 "	FG03400004	11,50	10	70	340
BLK 1 1/4 "	FS03400005	15,20		40	620
GLV 1 1/4 "	FG03400005	19,80		40	630
BLK 1 1/2 "	FS03400006	17,90		35	665
GLV 1 1/2 "	FG03400006	23,15		35	675
BLK 2 "	FS03400007	29,35		20	980
GLV 2 "	FG03400007	38,10		20	1.000
BLK 2 1/2 "	FS03400008	66,35		12	1.600
GLV 2 1/2 "	FG03400008	84,00		12	1.650
BLK 3 "	FS03400009	92,55		10	2.335
GLV 3 "	FG03400009	117,15		10	2.410
BLK 4 "	FS03400000	186,80		4	3.210
GLV 4 "	FG03400000	236,70		4	3.300

Dimension	Code	a	z1	s1	s2	s3
BLK 1/2 "	FS03400002	48	22	26	42	26
GLV 1/2 "	FG03400002					
BLK 3/4 "	FS03400003	52	22	31	50	31
GLV 3/4 "	FG03400003					
BLK 1 "	FS03400004	58	24	38	55	38
GLV 1 "	FG03400004					
BLK 1 1/4 "	FS03400005	65	27	48	68	48
GLV 1 1/4 "	FG03400005					
BLK 1 1/2 "	FS03400006	70	32	54	75	54
GLV 1 1/2 "	FG03400006					
BLK 2 "	FS03400007	78	30	65	90	65
GLV 2 "	FG03400007					
BLK 2 1/2 "	FS03400008	85	31	85	110	85
GLV 2 1/2 "	FG03400008					
BLK 3 "	FS03400009	95	35	95	130	95
GLV 3 "	FG03400009					
BLK 4 "	FS03400000	110	38	122	150	122
GLV 4 "	FG03400000					





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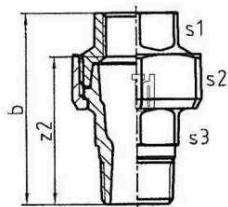
ISO/EN (U12)

Union, taper seat

Verschraubung mit
Kegeldichtung

Manchon union à
joint conique

Bocchettone a
sede conica



Dimension	Code	Index	Bag	Carton	Gr
BLK 1/2 "	FS03410002	6,90	10	120	220
GLV 1/2 "	FG03410002	8,60	10	120	230
BLK 3/4 "	FS03410003	8,30	10	80	320
GLV 3/4 "	FG03410003	10,40	10	80	335
BLK 1 "	FS03410004	10,30		60	405
GLV 1 "	FG03410004	12,90		60	430
BLK 1 1/4 "	FS03410005	16,30		35	790
GLV 1 1/4 "	FG03410005	20,50		35	815
BLK 1 1/2 "	FS03410006	20,85		30	815
GLV 1 1/2 "	FG03410006	26,30		30	850
BLK 2 "	FS03410007	33,30		15	1.230
GLV 2 "	FG03410007	42,00		15	1.270
BLK 2 1/2 "	FS03410008	72,50		10	2.256
GLV 2 1/2 "	FG03410008	91,70		10	2.292
BLK 3 "	FS03410009	113,25		5	3.000
GLV 3 "	FG03410009	143,40		5	3.100
BLK 4 "	FS03410000	207,55		4	4.170
GLV 4 "	FG03410000	263,00		4	4.250

Dimension	Code	b	z2	s1	s2	s3
BLK 1/2 "	FS03410002	66	53	26	42	26
GLV 1/2 "	FG03410002					
BLK 3/4 "	FS03410003	72	57	31	50	31
GLV 3/4 "	FG03410003					
BLK 1 "	FS03410004	80	63	38	55	38
GLV 1 "	FG03410004					
BLK 1 1/4 "	FS03410005	90	71	48	68	47
GLV 1 1/4 "	FG03410005					
BLK 1 1/2 "	FS03410006	95	76	54	75	53
GLV 1 1/2 "	FG03410006					
BLK 2 "	FS03410007	106	82	65	90	65
GLV 2 "	FG03410007					
BLK 2 1/2 "	FS03410008	122	95	85	110	85
GLV 2 1/2 "	FG03410008					
BLK 3 "	FS03410009	130	100	95	130	95
GLV 3 "	FG03410009					
BLK 4 "	FS03410000	153	117	122	150	120
GLV 4 "	FG03410000					



Dimension			Code	Index	Bag	Carton	Gr
Gew.374 » G«							
BLK	1/2 "	1	FS03700002	2,25		350	85
GLV	1/2 "	1	FG03700002	2,70		350	90
BLK	3/4 "	1	FS03700003	2,80		250	100
GLV	3/4 "	1	FG03700003	3,50		250	110
BLK	1 "	2	FS03700004	3,30		190	135
GLV	1 "	2	FG03700004	4,20		190	140
BLK	1 1/4 "	2	FS03700005	4,75		100	215
GLV	1 1/4 "	2	FG03700005	5,90		100	220
BLK	1 1/2 "	2	FS03700006	6,20		80	280
GLV	1 1/2 "	2	FG03700006	7,55		80	285
BLK	2 "	3	FS03700007	10,95		50	445
GLV	2 "	3	FG03700007	13,60		50	455
BLK	2 1/2 "	4	FS03700008	21,75		30	780
GLV	2 1/2 "	4	FG03700008	27,55		30	810
BLK	3 "	4	FS03700009	31,95		20	885
GLV	3 "	4	FG03700009	40,35		20	1000

370

Union bush

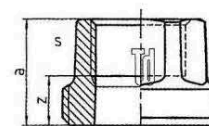
Einschraubteil

Pièce filetée

Pezzo filettato



Dimension			Code	a	z	s	
Gew.374 » G«							
BLK	1/2 "	1	FS03700002	25	12	26	6 kant
GLV	1/2 "	1	FG03700002				6 kant
BLK	3/4 "	1	FS03700003	28	13	31	6 kant
GLV	3/4 "	1	FG03700003				6 kant
BLK	1 "	2	FS03700004	31	14	38	6 kant
GLV	1 "	2	FG03700004				6 kant
BLK	1 1/4 "	2	FS03700005	33	14	48	6 kant
GLV	1 1/4 "	2	FG03700005				6 kant
BLK	1 1/2 "	2	FS03700006	36	17	54	6 kant
GLV	1 1/2 "	2	FG03700006				6 kant
BLK	2 "	3	FS03700007	42	18	66	6 kant
GLV	2 "	3	FG03700007				6 kant
BLK	2 1/2 "	4	FS03700008	46	19	84	8 kant
GLV	2 1/2 "	4	FG03700008				8 kant
BLK	3 "	4	FS03700009	52	22	95	8 kant
GLV	3 "	4	FG03700009				8 kant



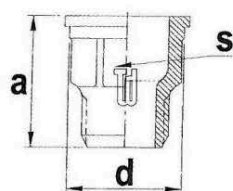
371

Union end

Einlegteil

Pièce folle

Pezzo folle



Dimension			Code	Index	Bag	Carton	Gr
Gew.374 » G«							
BLK	1/2 "	1	FS03710002	3,85		350	80
GLV	1/2 "	1	FG03710002	4,80		350	85
BLK	3/4 "	1	FS03710003	3,65		250	95
GLV	3/4 "	1	FG03710003	4,45		250	100
BLK	1 "	2	FS03710004	4,35		160	150
GLV	1 "	2	FG03710004	5,50		160	155
BLK	1 1/4 "	2	FS03710005	7,65		80	330
GLV	1 1/4 "	2	FG03710005	9,45		80	340
BLK	1 1/2 "	2	FS03710006	8,70		75	340
GLV	1 1/2 "	2	FG03710006	10,95		75	355
BLK	2 "	3	FS03710007	12,35		40	485
GLV	2 "	3	FG03710007	15,45		40	515

Dimension			Code	a	d	s	
Gew.374 » G«							
BLK	1/2 "	1	FS03710002	40	31.8	26	6 kant
GLV	1/2 "	1	FG03710002				6 kant
BLK	3/4 "	1	FS03710003	42	35.8	31	6 kant
GLV	3/4 "	1	FG03710003				6 kant
BLK	1 "	2	FS03710004	47	41.3	38	6 kant
GLV	1 "	2	FG03710004				6 kant
BLK	1 1/4 "	2	FS03710005	55	52.7	47	6 kant
GLV	1 1/4 "	2	FG03710005				6 kant
BLK	1 1/2 "	2	FS03710006	58	58.7	53	6 kant
GLV	1 1/2 "	2	FG03710006				6 kant
BLK	2 "	3	FS03710007	63	73.7	65	6 kant
GLV	2 "	3	FG03710007				6 kant

372

Union end

Einlegteil

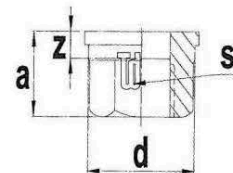
Pièce folle

Pezzo folle



Dimension			Code	Index	Bag	Carton	Gr
Gew.374 » G«							
BLK	1/2 "-1 "	1	FS0372002A	2,45		400	60
GAL	1/2 "-1 "	1	FG0372002A	3,20		400	65
BLK	1/2 "-1 1/8 "	1	FS0372002B	2,50		400	60
GAL	1/2 "-1 1/8 "	1	FG0372002B	3,35		400	65
BLK	3/4 "-1 1/4 "	1	FS0372003C	2,55		350	70
GAL	3/4 "-1 1/4 "	1	FG0372003C	3,50		350	80
BLK	1 "-1 1/2 "	2	FS0372004D	2,60		300	90
GAL	1 "-1 1/2 "	2	FG0372004D	3,80		300	95
BLK	1 1/4 "-2 "	2	FS0372005E	4,05		150	165
GAL	1 1/4 "-2 "	2	FG0372005E	5,15		150	170
BLK	1 1/2 "-2 1/4 "	2	FS0372006F	5,50		110	170
GAL	1 1/2 "-2 1/4 "	2	FG0372006F	7,00		110	195
BLK	2 "-2 3/4 "	3	FS0372007G	8,85		70	290
GAL	2 "-2 3/4 "	3	FG0372007G	11,00		70	305
BLK	2 1/2 "-3 1/2 "	4	FS0372008H	19,30		35	545
GAL	2 1/2 "-3 1/2 "	4	FG0372008H	24,35		35	560
BLK	3 "-4 "	4	FS0372009J	35,05		25	655
GAL	3 "-4 "	4	FG0372009J	44,35		25	675

Dimension			Code	a	d	z	s
Gew.374 » G«							
BLK	1/2 "-1 "	1	FS0372002A	22	27.1	7	26
GAL	1/2 "-1 "	1	FG0372002A				
BLK	1/2 "-1 1/8 "	1	FS0372002B	21	31.8	9	26
GAL	1/2 "-1 1/8 "	1	FG0372002B				
BLK	3/4 "-1 1/4 "	1	FS0372003C	22	35.8	7	31
GAL	3/4 "-1 1/4 "	1	FG0372003C				
BLK	1 "-1 1/2 "	2	FS0372004D	25	41.3	8	38
GAL	1 "-1 1/2 "	2	FG0372004D				
BLK	1 1/4 "-2 "	2	FS0372005E	30	52.7	11	48
GAL	1 1/4 "-2 "	2	FG0372005E				
BLK	1 1/2 "-2 1/4 "	2	FS0372006F	32	58.7	13	54
GAL	1 1/2 "-2 1/4 "	2	FG0372006F				
BLK	2 "-2 3/4 "	3	FS0372007G	34	73.7	10	65
GAL	2 "-2 3/4 "	3	FG0372007G				
BLK	2 1/2 "-3 1/2 "	4	FS0372008H	37	92.9	10	83
GAL	2 1/2 "-3 1/2 "	4	FG0372008H				
BLK	3 "-4 "	4	FS0372009J	41	104.7	11	97
GAL	3 "-4 "	4	FG0372009J				



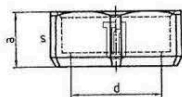
374

Union nut

Überwurfmutter

Ecrou

Dado



Dimension Code Index Bag Carton Gr

Gew.374 » G«

BLK	1/2 "-1 "	1	FS037402AS	1,75	350	70
GAL	1/2 "-1 "	1	FG037402AS	2,30	350	75
BLK	1/2 "-1 1/8 "	1	FS037402BS	2,25	350	70
GAL	1/2 "-1 1/8 "	1	FG037402BS	2,80	350	80
BLK	3/4 "-1 1/4 "	1	FS037403CS	2,25	220	125
GAL	3/4 "-1 1/4 "	1	FG037403CS	2,90	220	130
BLK	1 "-1 1/2 "	2	FS037404DS	2,60	180	110
GAL	1 "-1 1/2 "	2	FG037404DS	3,52	180	115
BLK	1 1/4 "-2 "	2	FS037405ES	4,05	110	235
GAL	1 1/4 "-2 "	2	FG037405ES	5,35	110	240
BLK	1 1/2 "-2 1/4 "	2	FS037406FS	5,15	80	210
GAL	1 1/2 "-2 1/4 "	2	FG037406FS	6,30	80	220
BLK	2 "-2 3/4 "	3	FS037407GS	7,25	60	265
GAL	2 "-2 3/4 "	3	FG037407GS	9,15	60	285
BLK	2 1/2 "-3 1/2 "	4	FS037408HS	17,95	30	460
GAL	2 1/2 "-3 1/2 "	4	FG037408HS	22,65	30	480
BLK	3 "-4 "	4	FS037409JS	23,10	20	935
GAL	3 "-4 "	4	FG037409JS	29,20	20	945

Dimension Code a d s

Gew.374 » G«

BLK	1/2 "-1 "	1	FS037402AS	18	27.5	41	6 kant
GAL	1/2 "-1 "	1	FG037402AS				6 kant
BLK	1/2 "-1 1/8 "	1	FS037402BS	19	32	42	6 kant
GAL	1/2 "-1 1/8 "	1	FG037402BS				6 kant
BLK	3/4 "-1 1/4 "	1	FS037403CS	20	36	50	6 kant
GAL	3/4 "-1 1/4 "	1	FG037403CS				6 kant
BLK	1 "-1 1/2 "	2	FS037404DS	22	41.5	55	6 kant
GAL	1 "-1 1/2 "	2	FG037404DS				6 kant
BLK	1 1/4 "-2 "	2	FS037405ES	24	53	68	8 kant
GAL	1 1/4 "-2 "	2	FG037405ES				8 kant
BLK	1 1/2 "-2 1/4 "	2	FS037406FS	25	59	75	8 kant
GAL	1 1/2 "-2 1/4 "	2	FG037406FS				8 kant
BLK	2 "-2 3/4 "	3	FS037407GS	27	74	90	8 kant
GAL	2 "-2 3/4 "	3	FG037407GS				8 kant
BLK	2 1/2 "-3 1/2 "	4	FS037408HS	30	92.5	110	8 kant
GAL	2 1/2 "-3 1/2 "	4	FG037408HS				8 kant
BLK	3 "-4 "	4	FS037409JS	31	105	130	8 kant
GAL	3 "-4 "	4	FG037409JS				8 kant

529a

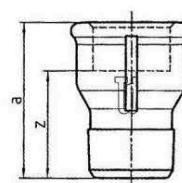
ISO/EN (M4)

Extension socket

Verlängerung

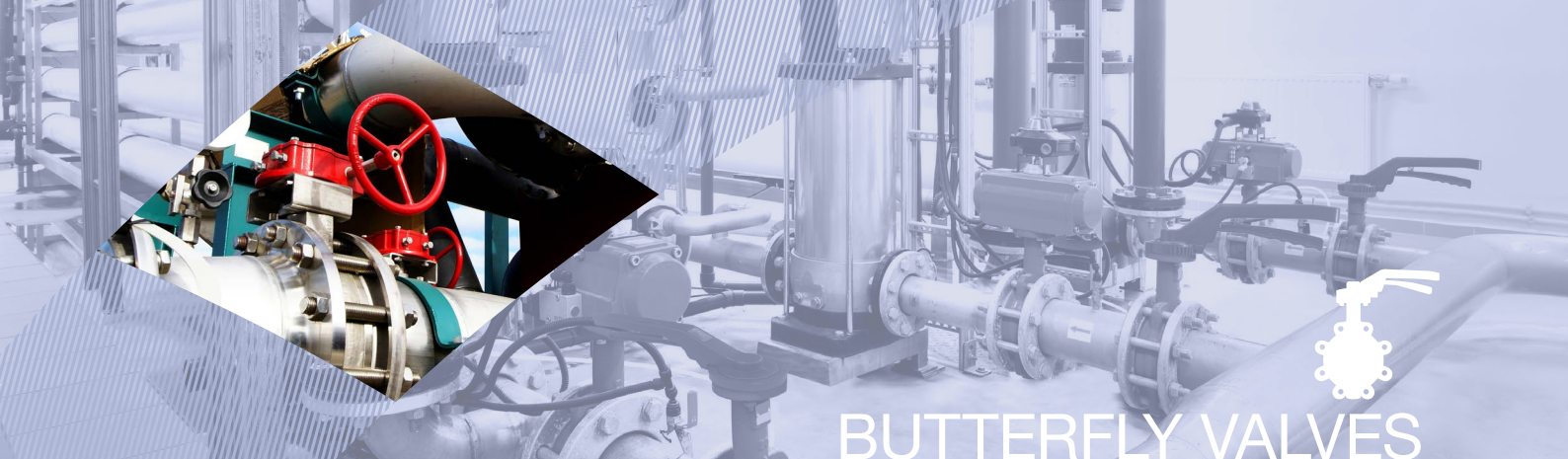
Allonge

Prolungamento



Dimension		Code	Index	Bag	Carton	Gr
BLK	1/2 "	FS529A0002	2,80	10	350	76
GLV	1/2 "	FG529A0002	3,55	10	350	79
BLK	3/4 "	FS529A0003	4,10	10	200	103
GLV	3/4 "	FG529A0003	5,30	10	200	106
BLK	1 "	FS529A0004	6,45	10	150	150
GLV	1 "	FG529A0004	8,20	10	150	172

Dimension		Code	a	z
BLK	1/2 "	FS529A0002	43	30
GLV	1/2 "	FG529A0002		
BLK	3/4 "	FS529A0003	48	33
GLV	3/4 "	FG529A0003		
BLK	1 "	FS529A0004	55	38
GLV	1 "	FG529A0004		



BUTTERFLY VALVES



**3500
BUTTERFLY VALVE
WAFER**
**DN40 → DN600
PN 6-10-16**

Design
EN 593
End Connection
WAFFER - EN 1092-1 / ISO 7005-1
Body
GG25 CAST IRON
GGG50 DUCTILE IRON
Disc
3500 - AISI 304
3550 - DUCTILE IRON+NICKEL
3560 - AISI 316
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
ELECTROSTATIC POWDER EPOXY



**3600
BUTTERFLY VALVE
LUG**
**DN40 → DN600
PN 16**

Design
EN 593
End Connection
LUG EN 1092-2 / ISO 7005-2
Body
GG25 CAST IRON
GGG50 DUCTILE IRON
Disc
3600 - AISI 304
3650 - DUCTILE IRON+NICKEL
3660 - AISI 316
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
ELECTROSTATIC POWDER EPOXY



**3800U
SHORT TYPE FLANGED
BUTTERFLY VALVE**
**DN40 → DN1200
PN 10-16**

Design
EN 593
End Connection
FLANGED EN 1092-2/ISO 7005-2
Body
GGG40/50 DUCTILE IRON
Face to Face
EN 558 SERIES 20
Disc
AISI 304 / 316
Stem
AISI 420
Sealing
EPDM / NBR / VITON
Coating
ELECTROSTATIC POWDER EPOXY



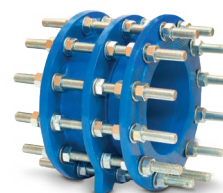
**3800
BUTTERFLY VALVE
DOUBLE ECCENTRIC**
**DN100 → DN2000
PN 10-16-25**

Design
EN 593
End Connection
FLANGED EN 1092-2/ISO 7005-2
Body
GGG40/50 DUCTILE IRON
Disc
GGG40/50 DUCTILE IRON
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



**3800E
BUTTERFLY VALVE
ELECTRIC ACTUATED**
**DN100 → DN2000
PN 10-16-25**

Design
EN 593
End Connection
FLANGED EN 1092-2/ISO 7005-2
Body
GGG40/50 DUCTILE IRON
Disc
GGG40/50 DUCTILE IRON
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



**3900
DISMANTLING
JOINT**
**DN50 → DN2000
PN 10-16-25**

End Connection
FLANGED EN 1092-2/ISO 7005-2
Test
EN 12266-1
Body
GGG50 DUCTILE IRON
Studs / Nuts
8.8 GALVANISED STEEL
AISI 420/304/316
Sealing
EPDM
Coating
ELECTROSTATIC POWDER EPOXY



GLOBE VALVES - STRAINERS



**2100
GLOBE VALVE**

**DN15 → DN300
PN 16**

Design
EN 13789

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GG25 CAST IRON

Disc
AISI 304

Kumanda Mili
AISI 420

Sealing
GRAPHITE

Coating
INDUSTRIAL EPOXY



**2130
GLOBE VALVE
BELLOW SEAL**

**DN15 → DN300
PN 16**

Design
EN 13789

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GG25 CAST IRON

Disc
DN15-100 - AISI 420
DN125-300 - A105 STEEL

Sealing
GRAPHITE

Coating
INDUSTRIAL EPOXY



**2500
Y-TYPE
STRAINER**

**DN15 → DN600
PN 16**

Design
TS 11494

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG50 DUCTILE IRON

Filter
AISI 304

Discharge Nut
MS 58 - BRASS

Coating
ELECTROSTATIC POWDER EPOXY
INDUSTRIAL EPOXY



ACTUATORS



**3700
GEARBOX**

End Connection
EN ISO 5211

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**3750
PNEUMATIC
ACTUATOR**

SINGLE/DOUBLE ACTING

End Connection
EN ISO 5211

Body
ALUMINIUM EXTRUSION
OR ALUMINIUM CASTING

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



**3770
ELECTRIC
ACTUATOR**

QUARTER TURN

End Connection
EN ISO 5211

Torque
50Nm → 2400Nm

Type
ON/OFF or MODULATING

Power Supply
110V/220V/380VAC
110/24VDC



**3780
ELECTRIC
ACTUATOR**

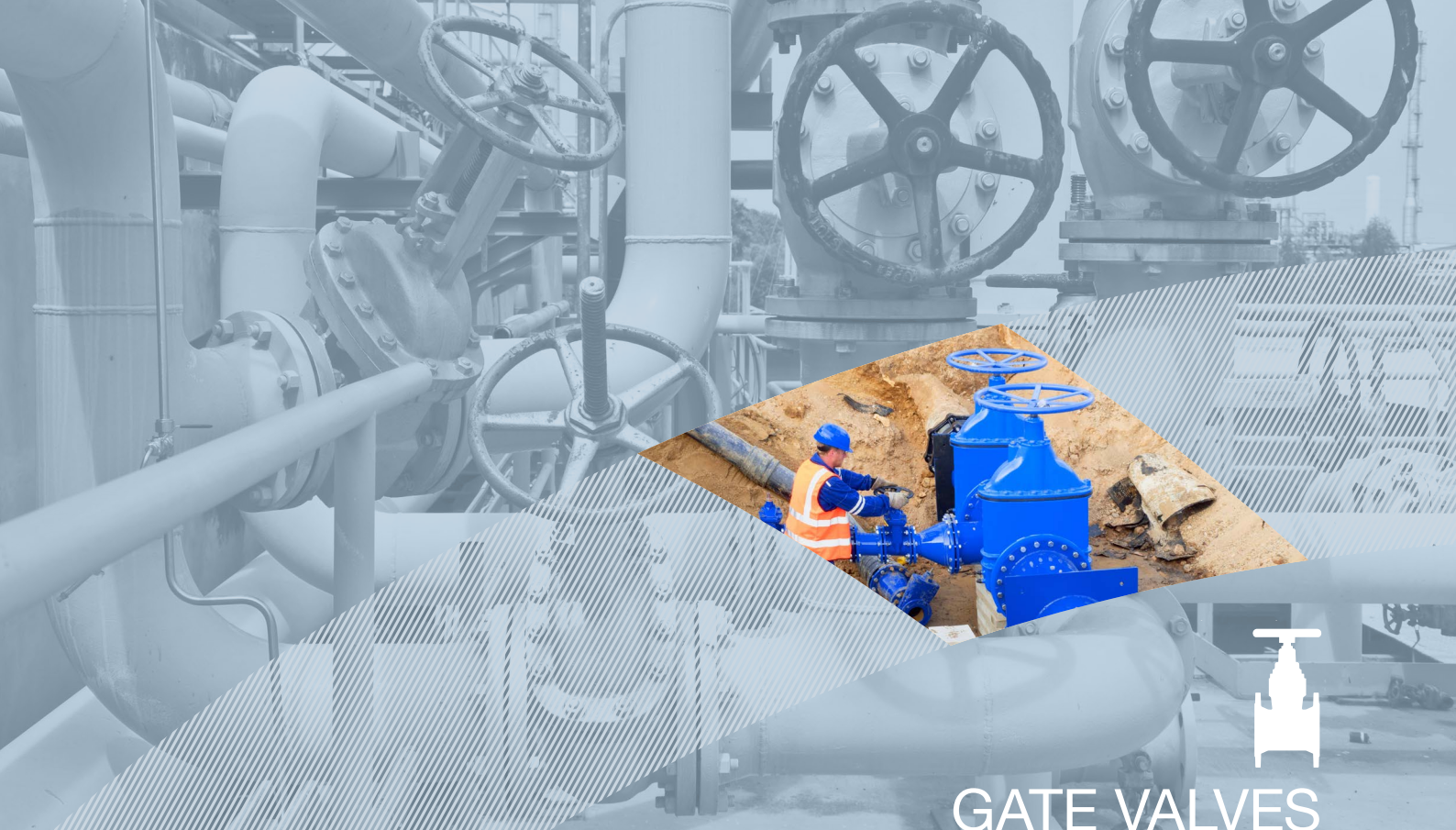
MULTI TURN

End Connection
EN ISO 5211

Torque
10Nm → 32000Nm

Type
ON/OFF or MODULATING

Power Supply
110V/220V/380VAC
110/24VDC



GATE VALVES



6000 GATE VALVE RESILIENT SEATED (F4)

**DN40 → DN1000
PN 10-16-25**

Design
EN 1074

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40-GGG50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM/NBR

Coating
ELECTROSTATIC POWDER EPOXY



6200 RESILIENT SEATED GATE VALVE (F5)

**DN40 → DN1000
PN 10-16**

Design
EN 1171 / EN 1074

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM/NBR

Coating
ELECTROSTATIC POWDER EPOXY



6400 GATE VALVE (FIRE)

**DN50 → DN300
300 PSI**

Design
FM1120/1130, UL262 / AWWAC515

End Connection
FLANGED TS EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 STAINLESS STEEL

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



**6600
GATE VALVE
THREADED
SERVICE VALVE**

**DN25 → DN50
PN 16**

Design
EN 1171

End Connection
THREADED EN ISO 228-1

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



**6000E
GATE VALVE
ELECTRIC
ACTUATED**

**DN40 → DN1000
PN 10-16-25**

Design
EN 1074

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM/NBR

Coating
ELECTROSTATIC POWDER EPOXY



**6700
GATE VALVE
METAL SEAT (F4)
RISING STEM**

**DN40 → DN1000
PN 10-16-25**

Design
EN 1171

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG50 DUCTILE IRON

Gate
GGG50 DUCTILE IRON

Stem
AISI 420

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



**6500
KNIFE
GATE VALVE
RISING STEM**

**DN50 → DN1000
PN 10**

End Connection
SEMI-LUG EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
AISI 304
AISI 316

Stem
AISI420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



**6550
KNIFE
GATE VALVE
NON-RISING STEM**

**DN50 → DN1000
PN 10**

End Connection
SEMI-LUG EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
AISI 304
AISI 316

Stem
AISI420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



**6500P
KNIFE
GATE VALVE
PNEUMATIC**

**DN50 → DN800
PN 10**

End Connection
SEMI-LUG EN 1092-2 / ISO 7005-2

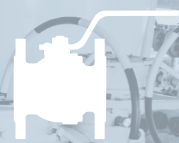
Body
GGG40/50 DUCTILE IRON

Gate
AISI 304
AISI 316

Stem
AISI420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



BALL VALVES



1100 BALL VALVE

**DN15 → DN300
PN 10-16**

Design

TS 3148 / DIN3357

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GG25 CAST IRON
GGG40 / 50 DUCTILE IRON

Ball

AISI 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1200 BALL VALVE

**DN15 → DN300
PN 16**

Design

TS 3148 / DIN3357

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GGG40/50 DUCTILE IRON

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1225 BALL VALVE

**DN15 → DN250
PN 25**

Design

EN 3148 / DIN3357

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GGG50 DUCTILE IRON

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1400 BALL VALVE

**DN15 → DN150
PN 25-40**

Design

EN 9809 / EN 331

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GGG40 DUCTILE IRON

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1440 BALL VALVE THREADED

**DN15 → DN25
PN 16-25-40**

Design

EN 331 / EN 1983

End Connection

THREADED EN ISO 228-1

Body

STEEL

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

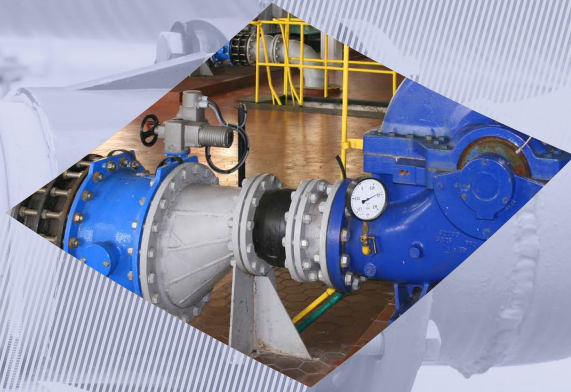
TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



EXPANSION JOINTS



5000 RUBBER EXPANSION JOINT

**DN25 → DN600
PN 16**

Design

EN 10879 / DIN 30680

End Connection

FLANGED EN 1092-1/ISO 7005-1

Body

FABRIC REINFORCED EPDM
STEEL REINFORCED EPDM

Flange

WCB CAST STEEL

Sealing

EPDM/NBR

Coating

GALVANISED
INDUSTRIAL EPOXY



5070 RUBBER EXPANSION JOINT

**DN15 → DN50
PN 16**

Design

EN 10879 / DIN 30680

End Connection

THREADED EN ISO 228-1

Body

EPDM

Flange

GGG40/50 DUCTILE IRON

Coating

GALVANISED



5100 AXIAL EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Body

AISI 304 / 316 / 321

Flange

ST 37 STEEL / AISI 304 / 316

Liner (Inner)

AISI 304 / 316 / 321



5060 RUBBER EXPANSION JOINT

**DN25 → DN300
PN 16**

Design

EN 10879 / DIN 30680

End Connection

FLANGED EN 1092-1/ISO 7005-1

Body

FABRIC REINFORCED EPDM
STEEL REINFORCED EPDM

Flange

GGG40 DUCTILE IRON

Sealing

EPDM NBR

Coating

GALVANISED



5200 EXTERNALLY PRESSURIZED EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Bellow

AISI 304 / 316 / 321

Inner Pipe

ST 37 STEEL / AISI 304 / 316

Outer Pipe

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



5300 ANGULAR EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Bellow

AISI 304 / 316 / 321

Welding End

ST 37 STEEL / AISI 304 / 316

Inner Pipe

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



5400 DILATATION EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Body

ST 37 STEEL / AISI 304 / 316

Flange

ST 37 STEEL / AISI 304 / 316

Tie Rod

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



5500 VIBRATION EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1

Body

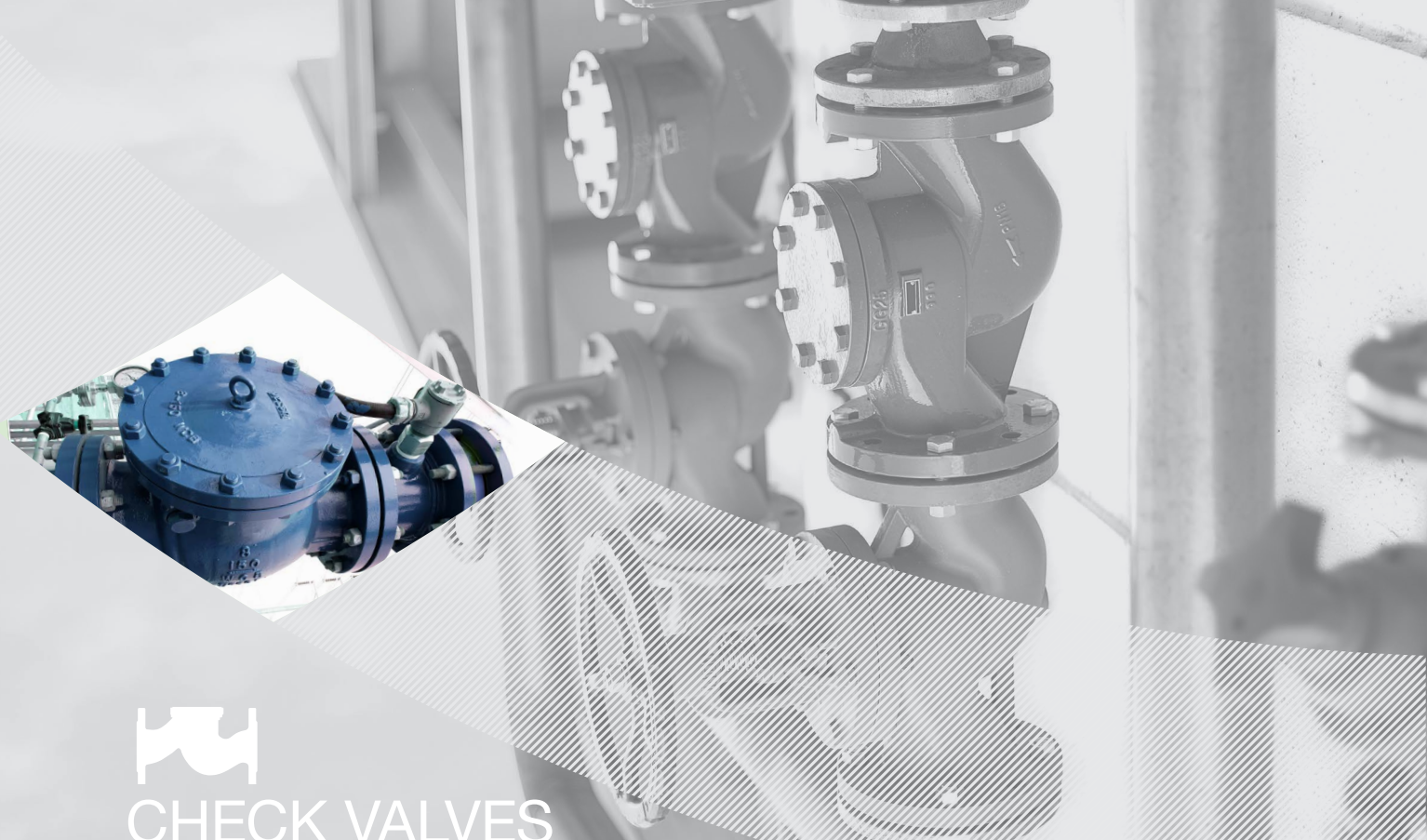
AISI 304 / 316 / 321

Flange

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



CHECK VALVES



2350-2355 CHECK VALVE DUAL

DN40 → DN600
PN 16-25

Design
EN 16767

End Connection
WAFFER TYPE EN 1092-1/ISO 7005-1

Body
GG25 CAST IRON

Disc
2350 - AISI 304
2355 - DUCTILE IRON

Spring
STAINLESS STEEL

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



2250 CHECK VALVE LIFT

DN15 → DN250
PN 16

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GG25 CAST IRON

Disc
AISI 304

Sealing
GRAPHITE

Spring
STAINLESS STEEL

Coating
INDUSTRIAL EPOXY



2270 CHECK VALVE SWING

DN50 → DN300
PN 10-16

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
RUBBER COATED ST.37 STEEL

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



2270D CHECK VALVE SWING WITH COUNTER WEIGHT

DN50 → DN300
PN 16

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



2300 - 2330 CHECK VALVE WAVER SWING

DN25 → DN700
PN 16

Design
EN 14341

End Connection
WAVER TYPE TS EN 1092-1/ISO 7005-1

Body
2300 - AISI 304
2330 - WCB CAST STEEL

Disc
AISI 304

Spring
STAINLESS STEEL

Sealing
EPDM / NBR / VITON



2370 CHECK VALVE DISC

DN15 → DN100
PN 16

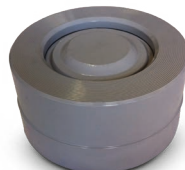
Tests
EN 12266-1

End Connection
WAVER TYPE TS EN 1092-1/ISO 7005-1

Body
MS 58 - BRASS
DN 125 - GGG50
304 AISI FAF2372
316 AISI FAF2373

Disc
AISI 304

Spring
STAINLESS STEEL



2371 CHECK VALVE DISCO - SPHERO

DN40 → DN250
PN 16

Tests
EN 16767

End Connection
WAVER TYPE TS EN 1092-1 / ISO 7005-1

Body
GGG40/50 CAST IRON

Disc
GGG40/50 CAST IRON

Spring
STAINLESS STEEL



2390 NOOZLE CHECK VALVE

DN50 → DN300
PN 10-16

Design
EN 12334

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GG25 CAST IRON

Spring
SS316

Stem
AISI 420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



2280 TILTING CHECK VALVE

DN100 → DN1600
PN 10-16-25

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



2280D TILTING CHECK VALVE HYDRAULIC BRAKE

DN200 → DN1600
PN 10-16-25

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



2290 BALL CHECK VALVE

DN40 → DN800
PN 10-16

Design
EN 16767

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Ball
NBR COATED STEEL

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



2295 BALL CHECK VALVE THREADED

DN25 → 80
PN 10-16

Design
EN 16767

End Connection
THREADED EN 228-1

Body
GGG40/50 DUCTILE IRON

Ball
NBR COATED STEEL

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



AIR RELEASE VALVES



**7310
SINGLE ORIFICE
ARV**

**DN50 → DN200
PN 16**

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Ball
POLYETHYLENE

Coating
INDUSTRIAL EPOXY



**7320
DOUBLE ORIFICE
ARV**

**DN50 → DN100
PN 16**

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Ball
POLYETHYLENE

Coating
INDUSTRIAL EPOXY



(DN 50-65-80 mm) (DN 100-150-200-300 mm)

**7330
DYNAMIC
ARV**

**DN50 → DN300
PN 16-25**

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Filter
AISI 430 / 304

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



**7340
KINETIC
ARV**

**DN50 → DN300
PN 16-25**

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Filter
AISI 430 / 304

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



**7350
COMBINATION
ARV**

**DN50 → DN80
PN 16**

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Filter
AISI 430 / 304

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



**7360
THREADED
ARV**

**DN15 → DN50
PN 16-25-40**

End Connection
THREADED EN ISO 228-1

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



BRASS VALVES



4000 BALL VALVE

DN15 → DN100
PN 25

Design

TSE CEN - TS 13547

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4100 GAS BALL VALVE

DN15 → DN50
PN 10

Design

EN 331

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4010 BALL VALVE (MALE/FEMALE)

DN15 → DN20
PN 25

End Connection

THREADED

Body

Brass - CuZn40Pb2



4020 BALL VALVE WITH ADAPTOR (MALE/FEMALE)

DN20 → DN32
PN 25

End Connection

THREADED

Body

Brass - CuZn40Pb2



4030/4040 MINI BALL VALVE

16 mm (Male/Female)
PN 10

End Connection

THREADED

Body

Brass - CuZn40Pb2



4600 CALORIMETERS VALVE

DN25 (with/without union)

End Connection

THREADED

Body

Brass - CuZn40Pb2



4200 STRAINER

DN15 → DN50
PN 16

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4300 SPRING CHECK VALVE

DN15 → DN80
PN 16

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4350 SWING CHECK VALVE

DN15 → DN50
PN 16

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2

HYDRANTS - OTHER PRODUCTS



**3960
FLANGE
ADAPTOR**

**DN40 → DN600
PN 16**

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Studs / Nuts
8.8 GALVANISED STEEL

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**3970
COUPLING**

**DN40 → DN600
PN 16**

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Studs / Nuts
8.8 GALVANISED STEEL

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**7200
FOOT VALVE**

**DN40 → DN400
PN 16**

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Stem
AISI420/304/316

Filter
AISI304



**7100
HYDRANT**

**DN80 → DN100
PN 16**

Design
EN 14384

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Outlet
ALUMINIUM - BRASS

Stem
AISI 420

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**7150
HYDRANT
UNDERGROUND**

**DN80 → DN100
PN 16**

Design
EN 14339

End Connection
FLANGED EN 1092-2/ISO 7005-2

Gövde
GGG40/50 DUCTILE IRON

Outlet
ALUMINIUM - BRASS

Stem
AISI 420

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**7250
EXTENSION SPINDLE
SURFACE BOX**

0,5m → 4m

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Cover
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Stem
ST37 STEEL

Spindle Cover
PE (POLYETHYLENE)



CONTROL VALVES



7410 PRESSURE REDUCING CONTROL VALVES

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7440 PRESSURE SUSTAINING PRESSUREREDUCING CONTROL VALVES

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7460 FLOAT LEVEL CONTROL VALVE

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7480 SURGE ANTICIPATING CONTROL VALVE

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7520 SOLENOID CONTROL VALVE

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7520Y Y TYPE SOLENOID CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7440Y Y TYPE PRESSURE SUSTAINING PRESSUREREDUCING CONTROL VALVES

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7460Y Y TYPE FLOAT LEVEL CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7480Y Y TYPE SURGE ANTICIPATING CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7520Y Y TYPE SOLENOID CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



General Brass Fittings

General Brass Fittings

Male Securing

Code	Size	Pcs.
3451-sec-160000	ø16	250
3451-sec-200000	ø20	200
3451-sec-250000	ø25	100
3451-sec-320000	ø32	60
3451-sec-400000	ø40	35



Female Securing

Code	Size	Pcs.
3451-sef-160000	ø16	250
3451-sef-200000	ø20	200
3451-sef-250000	ø25	100
3451-sef-320000	ø32	60
3451-sef-400000	ø40	35



Securing

Code	Size	Pcs.
3451-see-160000	ø16	150
3451-see-200000	ø20	100
3451-see-250000	ø25	70
3451-see-320000	ø32	45
3451-see-400000	ø40	20



Coupling

Code	Size	Pcs.
3811-muf-0b0000	1/2"	200
3811-muf-0c0000	3/4"	150
3811-muf-100000	1"	80
3811-muf-1a0000	1 1/4"	45
3811-muf-1b0000	1 1/2"	36
3811-muf-200001	2"	18



General Brass Fittings

Nipple

Code	Size	Pcs.
3811-npl-0d0000	3/8"	500
3811-npl-0b0000	1/2"	300
3811-npl-0c0000	3/4"	200
3811-npl-100000	1"	100
3811-npl-1a0000	1 1/4"	60
3811-npl-1b0000	1 1/2"	36
3811-npl-200000	2"	25



Elbow Female / Female

Code	Size	Pcs.
3811-efo-0b0000	1/2"	125
3811-efo-0c0000	3/4"	65
3811-efo-100000	1"	35
3811-efo-1a0000	1 1/4"	20
3811-efo-1b0000	1 1/2"	20
3811-efo-200000	2"	12



Elbow Female / Male

Code	Size	Pcs.
3811-emo-0b0000	1/2"	120
3811-emo-0c0000	3/4"	80
3811-emo-100000	1"	40
3811-emo-1a0000	1 1/4"	20
3811-emo-1b0000	1 1/2"	15
3811-emo-200000	2"	10



Elbow Male / Male

Code	Size	Pcs.
3811-emm-0b0000	1/2"	100
3811-emm-0c0000	3/4"	80
3811-emm-100000	1"	45



General Brass Fittings

Reducing Coupling

Code	Size	Pcs.
3811-mur-0b0d00	3/8"	200
3811-mur-0c0b00	1/2"	150
3811-mur-100b00	1/2"	100
3811-mur-100c00	3/4"	100
3811-mur-1a0b00	1/2"	80
3811-mur-1a0c00	3/4"	80
3811-mur-1a1000	1"	80
3811-mur-1b1000	1"	50
3811-mur-1b1a00	1 1/4"	45
3811-mur-201000	1"	40
3811-mur-201a00	1 1/4"	30
3811-mur-201b00	1 1/2"	30



Reducing

Code	Size	Pcs.
3811-rdc-0a0b00	1/4"	400
3811-rdc-0d0b00	3/8"	400
3811-rdc-0b0c00	1/2"	300
3811-rdc-0b1000	1/2"	150
3811-rdc-0c1000	3/4"	150
3811-rdc-0b1a00	1/2"	70
3811-rdc-1a0c00	3/4"	80
3811-rdc-1a1000	1"	100
3811-rdc-0b1b00	1/2"	70
3811-rdc-0c1b00	3/4"	80
3811-rdc-1b1000	1"	65
3811-rdc-1b1a00	1 1/4"	65
3811-rdc-200b00	1/2"	35
3811-rdc-200c00	3/4"	35
3811-rdc-201000	1"	30
3811-rdc-1a2000	1 1/4"	40
3811-rdc-1b2000	1 1/2"	40



General Brass Fittings

Reducing Nipple

Code	Size	Pcs.
3811-rdn-0b0d00	12	300
3811-rdn-0c0d00	12	300
3811-rdn-0c0b00	16,5	200
3811-rdn-100b00	16,5	120
3811-rdn-100c00	21,5	100
3811-rdn-1a0b00	16,5	70
3811-rdn-1a0c00	21,5	70
3811-rdn-1a1000	26,5	60
3811-rdn-0b1b00	16,5	60
3811-rdn-0c1b00	21,5	50
3811-rdn-1b1000	26,5	60
3811-rdn-1b1a00	35	50
3811-rdn-200b00	16,5	40
3811-rdn-200c00	21,5	40
3811-rdn-201000	26,5	40
3811-rdn-201a00	35	32
3811-rdn-201b00	40,5	30



Invert Reducing

Code	Size	Pcs.
3811-ird-0c0b00	1/2"	200
3811-ird-100b00	1/2"	100
3811-ird-100c00	3/4"	100
3811-ird-1a0c00	3/4"	90
3811-ird-1a1000	1"	80
3811-ird-1b1000	1"	60
3811-ird-0b0d00	3/8"	250
3811-ird-1a0b00	1/2"	75
3811-ird-1b0b00	1/2"	80
3811-ird-1b0c00	3/4"	60
3811-ird-1b1a00	1 1/4"	60
3811-ird-201000	1"	40
3811-ird-201a00	1 1/4"	30
3811-ird-201b00	1 1/2"	25



General Brass Fittings

Wall Plate Elbow

Code	Size	Pcs.
3811-fle-0b0000	1/2"	120
3811-fle-0c0000	3/4"	50



Cross

Code	Size	Pcs.
3811-crs-0b0000	1/2"	80
3811-crs-0c0000	3/4"	50
3811-crs-100000	1"	25



Tee Female / Female / Female

Code	Size	Pcs.
3811-tfo-0b0000	1/2"	100
3811-tfo-0c0000	3/4"	50
3811-tfo-100000	1"	25
3811-tfo-1a0000	1 1/4"	18
3811-tfo-1b0000	1 1/2"	16
3811-tfo-200000	2"	8



Tee Female / Male / Female

Code	Size	Pcs.
3811-tfm-0b0000	1/2"	100
3811-tfm-0c0000	3/4"	60
3811-tfm-100000	1"	30



Tee Male / Male / Male

Code	Size	Pcs.
3811-tmo-0b0000	1/2"	80
3811-tmo-0c0000	3/4"	60
3811-tmo-100000	1"	30



General Brass Fittings

Tee Male / Male / Female

Code	Size	Pcs.
3811-tdm-0b0000	1/2"	80



Inegal Tee

Code	Size	Pcs.
3811-tio-0c0b0c	3/4"	60
3811-tio-100b10	1"	35
3811-tio-100c10	1"	35



Water Meter Union

Code	Size	Pcs.
3811-wmt-0c1000	3/4"	80



Union-Elbow

Code	Size	Pcs.
3811-tue-0b0000	1/2"	80
3811-tue-0c0000	3/4"	50
3811-tue-100000	1"	30
3811-tue-1a0000	1 1/4"	15



Union-Straight

Code	Size	Pcs.
3811-tun-0b0000	1/2"	150
3811-tun-0c0000	3/4"	80
3811-tun-100000	1"	40
3811-tun-1a0000	1 1/4"	25
3811-tun-160000	1 1/2"	20
3811-tun-200000	2"	16



General Brass Fittings

Male Stopend

Code	Size	Pcs.
3811-stm-0b0000	1/2"	400
3811-stm-0c0000	3/4"	250
3811-stm-100000	1"	170
3811-stm-1a0000	1 1/4"	80
3811-stm-1b0000	1 1/2"	75
3811-stm-200000	2"	30



Female Stopend

Code	Size	Pcs.
3811-stf-0d0000	3/8"	1050
3811-stf-0b0000	1/2"	500
3811-stf-0c0000	3/4"	250
3811-stf-100000	1"	150
3811-stf-1a0000	1 1/4"	120
3811-stf-1b0000	1 1/2"	90
3811-stf-200000	2"	50



Hose Connection - Male

Code	Size	Pcs.
3811-uch-0b0010	1/2"	250
3811-uch-0b0012	1/2"	300
3811-uch-0b0014	1/2"	250
3811-uch-0b0016	1/2"	250
3811-uch-0b0018	1/2"	250
3811-uch-0b0020	1/2"	200
3811-uch-0c0020	3/4"	150
3811-uch-100025	1"	80



Hose Connection - Female

Code	Size	Pcs.
3811-ucf-0b0010	1/2"	250
3811-ucf-0b0012	1/2"	250
3811-ucf-0b0014	1/2"	250
3811-ucf-0b0016	1/2"	200
3811-ucf-0b0018	1/2"	150
3811-ucf-0b0020	1/2"	150



General Brass Fittings

Nut with Flange

Code	Size	Pcs.
3811-fsm-0b0000	1/2"	500
3811-fsm-0c0000	3/4"	400
3811-fsm-100000	1"	250
3811-fsm-1a0000	1 1/4"	150
3811-fsm-1b0000	1 1/2"	100
3811-fsm-200000	2"	60



Tap Connection

Code	Size	Pcs.
3811-neb-0c0000	1/2"	200



Plated Connection to Wrench

Code	Size	Pcs.
3811-ext-0b0010	1/2"	300
3811-ext-0b0015	1/2"	250
3811-ext-0b0020	1/2"	200
3811-ext-0b0025	1/2"	150
3811-ext-0b0030	1/2"	150
3811-ext-0b0040	1/2"	120
3811-ext-0b0050	1/2"	100



Plated Connection - Chrome

Code	Size	Pcs.
3811-nex-0b0010	1/2"	300
3811-nex-0b0015	1/2"	300
3811-nex-0b0020	1/2"	250
3811-nex-0b0025	1/2"	200
3811-nex-0b0030	1/2"	200
3811-nex-0b0035	1/2"	150
3811-nex-0b0040	1/2"	150
3811-nex-0b0050	1/2"	100



General Brass Fittings

Tap Connection- Holed

Code	Size	Pcs.
3811-net-0b0000	1/2"	100



Tap Connection

Code	Size	Pcs.
3811-bet-0c0000	3/4"	80
3811-bel-0c0000	3/4"	100



Half Cross

Code	Size	Pcs.
3811-ned-0c0000	3/4"	75



Mini Union

Code	Size	Pcs.
3411-nff-160b01	1/2"	225



Male Return - Union

Code	Size	Pcs.
3411-nmf-160b00	ø16 x 1/2"	225



General Brass Fittings

Manifold - Blue - Light Type

Code	Size	A	L1	L	H	Pcs.
3312-vhf-100216	1" - 2 x Ø16	43	22,5	94	50,7	20
3312-vhf-100316	1" - 3 x Ø16	43	22,5	137	50,7	15
3312-vhf-100416	1" - 4 x Ø16	43	22,5	180	50,7	10
3312-vhf-100516	1" - 5 x Ø16	43	22,5	266	50,7	10
3312-vhf-100616	1" - 6 x Ø16	43	22,5	309	50,7	10
3312-vhf-100716	1" - 7 x Ø16	43	22,5	352	50,7	5
3312-vhf-100816	1" - 8 x Ø16	43	22,5	395	50,7	5
3312-vhf-100916	1" - 9 x Ø16	43	22,5	438	50,7	5
3312-vhf-101016	1" - 10 x Ø16	43	22,5	524	50,7	5
3312-vhf-101116	1" - 11 x Ø16	43	22,5	567	50,7	5
3312-vhf-101216	1" - 12 x Ø16	43	22,5	610	50,7	5
3312-vhf-101316	1" - 13 x Ø16	43	22,5	653	50,7	5



Manifold - Red - Light Type

Code	Size	A	L1	L	H	Pcs.
3313-vhf-100216	1" - 2 x Ø16	43	22,5	94	50,7	20
3313-vhf-100316	1" - 3 x Ø16	43	22,5	137	50,7	15
3313-vhf-100416	1" - 4 x Ø16	43	22,5	180	50,7	10
3313-vhf-100516	1" - 5 x Ø16	43	22,5	266	50,7	10
3313-vhf-100616	1" - 6 x Ø16	43	22,5	309	50,7	10
3313-vhf-100716	1" - 7 x Ø16	43	22,5	352	50,7	5
3313-vhf-100816	1" - 8 x Ø16	43	22,5	395	50,7	5
3313-vhf-100916	1" - 9 x Ø16	43	22,5	438	50,7	5
3313-vhf-101016	1" - 10 x Ø16	43	22,5	524	50,7	5
3313-vhf-101116	1" - 11 x Ø16	43	22,5	567	50,7	5
3313-vhf-101216	1" - 12 x Ø16	43	22,5	610	50,7	5
3313-vhf-101316	1" - 13 x Ø16	43	22,5	653	50,7	5



For Manifold Nipple

Code	Size	Pcs.
3391-npl-100000	1"	150



Product show



Rigid Coupling
XGQT1



Flexible Coupling
XGQT2



Reducing Flexible Coupling
XGQT5



Angle Pad Rigid Coupling
XGQT6



Heavy Duty
Flexible Coupling
XGQT12



Shouldered Flexible
Coupling



Boltless Coupling



Grooved Fitting Galvanized Threaded Concentric Reducer
XGQT07S



Grooved Concentric Reducer
XGQT07



Tee
XGQT03



Threaded Reducing Tee
XGQT13S



Grooved Reducing Tee
XGQT13



Cross
XGQT14



90° Elbow
XGQT01



45° Elbow
XGQT02



22.5° Elbow
XGQT16



11.25° Elbow
XGQT10



Grooved Reducing Cross
XGQT15



Threaded Reducing Cross
XGQT15S



Cap
XGQT09



U-Bolt Mechanical Tee
XGQT3U



Grooved Flange
XGQT8



Adaptor Flange
XGQT08



Mechanical Tee Threaded Outlet
XGQT3S

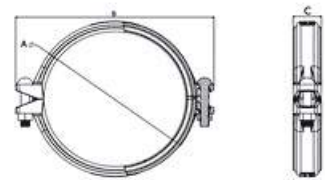


Mechanical Tee Grooved Outlet
XGQT3



Mechanical Cross Threaded Outlet
XGQT4S

XGQT1 Rigid Coupling



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	10*45
32	42.4	300	66	106	45	10*45
1 1/4	1.669	2.07	2.598	4.173	1.772	10*45
40	48.3	300	72	114	45	10*45
1 1/2	1.9	2.07	2.835	4.488	1.772	10*45
50	60.3	300	81	126	47	10*55
2	2.375	2.07	3.189	4.961	1.772	10*55
65	73	300	95	139	47	10*55
2 1/2	2.875	2.07	3.740	5.472	1.772	10*55
65	76.1	300	99	143	47	10*55
3 OD	3	2.07	3.898	5.630	1.772	10*55
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	10*55
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	12*65
125	139.7	300	166	221	50	12*65
5 1/2 OD	5.5	2.07	6.535	8.701	1.969	12*65
125	141.3	300	169	222	50	12*65
5	5.563	2.07	6.654	8.740	1.969	12*65
150	165.1	300	193	250	51	12*70
6 1/2 OD	6.5	2.07	7.598	9.843	2.008	12*70
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	12*70
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	16*85
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	20*100
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	20*110

XGQT2 Flexible Coupling



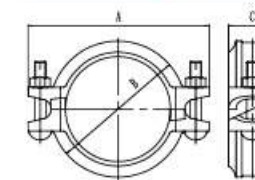
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			A mm/in	B mm/in	C mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	10*45
32	42.4	300	66	106	45	10*45
1 1/4	1.669	2.07	2.598	4.173	1.772	10*45
40	48.3	300	72	114	45	10*45
1 1/2	1.9	2.07	2.835	4.488	1.772	10*45
50	60.3	300	81	126	47	10*50
2	2.375	2.07	3.189	4.961	1.850	10*50
65	73	300	95	139	47	10*55
2 1/2	2.875	2.07	3.740	5.472	1.850	10*55
65	76.1	300	99	143	47	10*55
3 OD	3	2.07	3.898	5.630	1.850	10*55
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	10*55
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	12*65
125	139.7	300	166	221	50	12*65
5 1/2 OD	5.5	2.07	6.535	8.701	1.969	12*65
150	165.1	300	193	250	51	12*70
6 1/2 OD	6.5	2.07	7.598	9.843	2.008	12*70
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	12*70
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	16*85
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	20*100
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	20*110

Shouldered Flexible Coupling



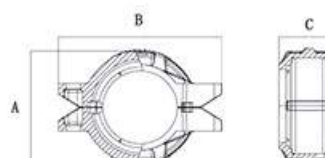
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			A mm/in	B mm/in	C mm/in	
50	60.3	580	88	125	46	10
2	2.375	4.0	3.465	4.92	1.81	10
80	88.9	580	119	160	49	10
3	3.5	4.0	4.685	6.299	1.929	10
100	114.3	507.5	152	190	50	12
4	4.5	3.5	5.984	7.48	1.97	12
150	165.1	507.5	201	256	50	14
6	6.5	3.5	7.913	10.079	1.969	14
200	219.1	435	265	340	60	20
8	8.625	3.0	10.433	13.39	2.36	20
250	273	362.5	321	408	62	22
10	10.75	2.5	12.638	16.063	2.441	22
300	323.9	362.5	380	463	64	22
12	12.75	2.5	14.961	18.23	2.52	22

XGQT6 Angle Rad Rigid Coupling



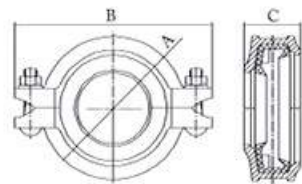
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			A mm/in	B mm/in	C mm/in	
50	60.3	300	83	126	48	10*55
2	2.375	2.07	3.268	4.96	1.89	10*55
65	76.1	300	99	143	48	10*60
2 1/2	3	2.07	3.898	5.630	1.890	10*60
80	88.9	300	112	161	48	12*65
3	3.5	2.07	4.409	6.34	1.89	12*65
100	114.3	300	139	198	51	14*75
4	4.5	2.07	5.472	7.795	2.008	14*75
125	139.7	300	170	228	52	14*75
5	5.5	2.07	6.693	8.98	2.05	14*75
150	165.1	300	194	261	52	16*85
6	6.5	2.07	7.638	10.276	2.047	16*85
200	219.1	300	258	332	62	20*100
8	8.625	2.07	10.157	13.07	2.44	20*100

Heavy Duty Flexible/Rigid Coupling



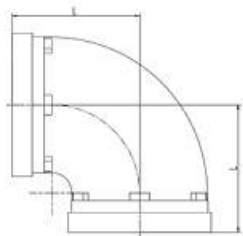
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			A mm/in	B mm/in	C mm/in	
50	60.3	500	86	125	46	M10*55
2	2.375	3.45	3.386	4.92	1.81	M10*55
65	73	500	99	146.00	47	M12*65
2 1/2	2.875	3.45	3.89	5.75	1.85	M12*65
65	76.1	500	102	150	47	M12*65
2 1/2	3	3.45	4.02	5.90	1.85	M12*65
80	88.9	500	115	164	47	M12*65
3	3.5	3.45	4.53	6.46	1.85	M12*65
100	114.3	500	142	190	50	M12*70
4	4.5	3.45	5.59	7.48	1.97	M12*70
150	165.1	500	200	256	50	M14*90
6	6.5	3.45	7.87	10.00	1.97	M14*90
150	168.3	500	204	260	50	M14*90
6	6.625	3.45	8.03	10.24	1.97	M14*90
200	219.1	500	266	340	60	M20*110
8	8.625	3.45	10.47	13.39	2.36	M20*110

XGQT5 Reducing Flexible Coupling



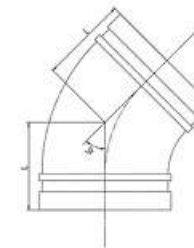
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50 x 40	60.3 x 48.3	300	87	130	48	10*55
2 x 1½	2.375 x 1.900	2.07	3.425	5.118	1.89	
65 x 40	73.0 x 48.3	300	100	142	48	10*60
2½ x 1½	2.875 x 1.900	2.07	3.937	5.591	1.890	
65 x 50	73.0 x 60.3	300	100	142	48	10*60
2½ x 2	2.875 x 3.375	2.07	3.937	5.591	1.890	
65 x 40	76.1 x 48.3	300	102	147	48	10*60
3OD x 1½	3.000 x 1.900	2.07	4.016	5.787	1.890	
65 x 50	76.1 x 60.3	300	102	147	48	10*60
3OD x 2	3.000 x 2.375	2.07	4.016	5.787	1.890	
80 x 40	88.9 x 48.3	300	116	165	49	12*70
3 x 1½	3.500 x 1.900	2.07	4.567	6.496	1.929	
80 x 50	88.9 x 60.3	300	116	165	49	12*70
3 x 2	3.500 x 2.375	2.07	4.567	6.496	1.929	
80 x 65	88.9 x 73.0	300	116	165	49	12*70
3 x 2½	3.500 x 2.375	2.07	4.567	6.496	1.929	
80 x 65	88.9 x 76.1	300	116	165	49	12*70
3 x 3OD	3.500 x 3.000	2.07	4.567	6.496	1.929	
100 x 32	114.3 x 42.4	300	146	200	52	14*75
4 x 1¼	4.500 x 1.689	2.07	5.748	7.874	2.047	
100 x 40	114.3 x 48.3	300	146	200	52	14*75
4 x 1½	4.500 x 1.900	2.07	5.748	7.874	2.047	
100 x 50	114.3 x 60.3	300	146	200	52	14*75
4 x 2	4.500 x 2.375	2.07	5.748	7.874	2.047	
100 x 65	114.3 x 73.0	300	146	200	52	14*75
4 x 2½	4.500 x 1.327	2.07	5.748	7.874	2.047	
100 x 65	114.3 x 76.1	300	146	200	52	14*75
4 x 3OD	4.500 x 3.000	2.07	5.748	7.874	2.047	
100 x 80	114.3 x 88.9	300	146	200	52	14*75
4 x 3	4.500 x 3.500	2.07	5.748	7.874	2.047	
150 x 100	165.1 x 114.3	300	197	255	51	16*90
6½ x 4	6.500 x 4.500	2.07	7.756	10.039	2.008	
150 x 80	168.3 x 88.9	300	200	259	52	16*90
6 x 3	6.625 x 3.500	2.07	7.874	10.197	2.047	
150 x 100	168.3 x 114.3	300	200	259	52	16*90
6 x 4	6.625 x 4.500	2.07	7.874	10.197	2.047	
150 x 125	168.3 x 139.7	300	210	259	53	16*90
6 x 5½OD	6.625 x 5.500	2.07	8.268	10.197	2.087	
200 x 150	219.1 x 168.3	300	258	335	62	20*110
8 x 6	8.625 x 6.625	2.07	10.157	13.189	2.441	

XGQT01 90° Elbow



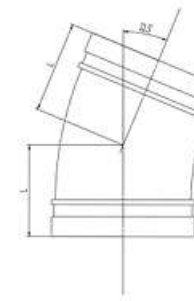
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	
			Standard	Short
25	33.7	300	57	57
1	1.315	2.07	2.244	2.244
32	42.4	300	70	60
1¼	1.66	2.07	2.756	2.362
40	48.3	300	70	60
1½	1.9	2.07	2.756	2.362
50	60.3	300	83	70
2	2.375	2.07	3.268	2.756
65	73	300	95	76
2½	2.875	2.07	3.740	2.992
65	76.1	300	95	76
3OD	3	2.07	3.740	2.992
80	88.9	300	108	86
3	3.5	2.07	4.252	3.386
100	114.3	300	127	102
4	4.5	2.07	5.000	4.016
125	139.7	300	140	122
5½OD	5.5	2.07	5.512	4.803
150	165.1	300	165	140
6½OD	6.5	2.07	6.496	5.512
150	168.3	300	165	140
6	6.625	2.07	6.496	5.512
200	219.1	300	197	175
8	8.625	2.07	7.756	6.890
250	273	300	229	215
10	10.75	2.07	9.016	8.465
300	323.9	300	254	245
12	12.75	2.07	10.000	9.646

XGQT02 45° Elbow



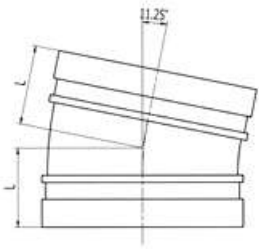
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	44
1	1.315	2.07	1.732
32	42.4	300	45
1¼	1.66	2.07	1.772
40	48.3	300	45
1½	1.9	2.07	1.772
50	60.3	300	51
2	2.375	2.07	2.008
65	73	300	57
2½	2.875	2.07	2.244
65	76.1	300	57
3OD	3	2.07	2.244
80	88.9	300	64
3	3.5	2.07	2.520
100	114.3	300	76
4	4.5	2.07	2.992
125	139.7	300	83
5½OD	5.5	2.07	3.268
150	165.1	300	89
6½OD	6.5	2.07	3.504
150	168.3	300	89
6	6.625	2.07	3.504
200	219.1	300	108
8	8.625	2.07	4.252
250	273	300	121
10	10.75	2.07	4.764
300	323.9	300	133
12	12.75	2.07	5.236

XGQT16 22.5° Elbow



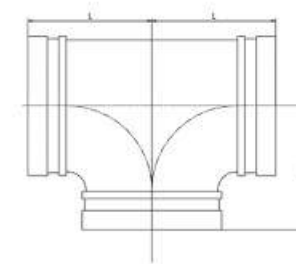
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	44
1	1.315	2.07	1.732
32	42.4	300	45
1¼	1.66	2.07	1.772
40	48.3	300	45
1½	1.9	2.07	1.772
50	60.3	300	51
2	2.375	2.07	2.008
65	73	300	51
2½	2.875	2.07	2.008
65	76.1	300	51
3OD	3	2.07	2.008
80	88.9	300	57
3	3.5	2.07	2.244
100	114.3	300	73
4	4.5	2.07	2.874
125	139.7	300	73
5½OD	5.5	2.07	2.874
150	165.1	300	79
6½OD	6.5	2.07	3.110
150	168.3	300	79
6	6.625	2.07	3.110
200	219.1	300	98
8	8.625	2.07	3.858
250	273	300	111
10	10.75	2.07	4.370
300	323.9	300	124
12	12.75	2.07	4.882

XGQT10 11.25° Elbow



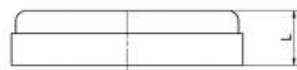
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			11.25° Elbow
25	33.7	300	35
1	1.315	2.07	1.378
32	42.4	300	35
1¼	1.66	2.07	1.378
40	48.3	300	35
1½	1.9	2.07	1.378
50	60.3	300	35
2	2.375	2.07	1.378
65	73	300	38
2½	2.875	2.07	1.496
65	76.1	300	38
3OD	3	2.07	1.496
80	88.9	300	38
3	3.5	2.07	1.496
100	114.3	300	45
4	4.5	2.07	1.772
125	139.7	300	51
5½OD	5.5	2.07	2.008
150	165.1	300	51
6½OD	6.5	2.07	2.008
150	168.3	300	51
6	6.625	2.07	2.008
200	219.1	300	51
8	8.625	2.07	2.008
250	273	300	54
10	10.75	2.07	2.126
300	323.9	300	57
12	12.75	2.07	2.244

XGQT03 Tee



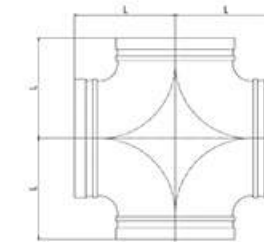
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	
			Standard	Short
25	33.7	300	57	57
1	1.315	2.07	2.244	2.244
32	42.4	300	70	60
1¼	1.66	2.07	2.756	2.362
40	48.3	300	70	60
1½	1.9	2.07	2.756	2.362
50	60.3	300	83	70
2	2.375	2.07	3.268	2.756
65	73	300	95	76
2½	2.875	2.07	3.740	2.992
65	76.1	300	95	76
3OD	3	2.07	3.740	2.992
80	88.9	300	108	86
3	3.5	2.07	4.252	3.386
100	114.3	300	127	102
4	4.5	2.07	5.000	4.016
125	139.7	300	140	122
5½OD	5.5	2.07	5.512	4.803
150	165.1	300	165	140
6½OD	6.5	2.07	6.496	5.512
150	168.3	300	165	140
6	6.625	2.07	6.496	5.512
200	219.1	300	197	175
8	8.625	2.07	7.756	6.890
250	273	300	229	215
10	10.75	2.07	9.016	8.465
300	323.9	300	254	245
12	12.75	2.07	10.000	9.646

XGQT09 Cap



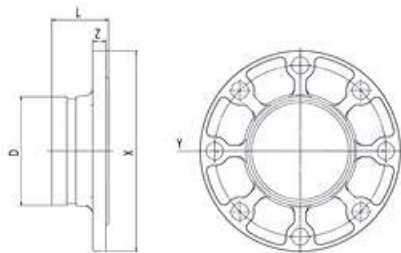
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			Cap
25	33.7	300	22
1	1.315	2.07	0.866
32	42.4	300	24
1¼	1.66	2.07	0.945
40	48.3	300	24
1½	1.9	2.07	0.945
50	60.3	300	24
2	2.375	2.07	0.945
65	73	300	24
2½	2.875	2.07	0.945
65	76.1	300	24
3OD	3	2.07	0.945
80	88.9	300	24
3	3.5	2.07	0.945
100	108	300	27
4¼OD	4.25	2.07	1.063
100	114.3	300	27
4	4.5	2.07	1.063
125	139.7	300	27
5½OD	5.5	2.07	1.063
150	165.1	300	27
6½OD	6.5	2.07	1.063
150	168.3	300	27
6	6.625	2.07	1.063
200	219.1	300	30
8	8.625	2.07	1.181
250	273	300	32
10	10.75	2.07	1.260
300	323.9	300	32
12	12.75	2.07	1.260

XGQT14 Cross



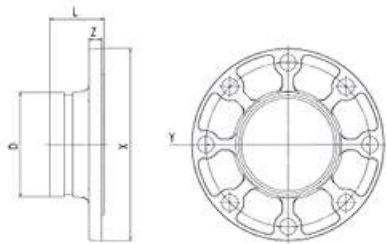
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	57
1	1.315	2.07	2.244
32	42.4	300	60
1¼	1.66	2.07	2.362
40	48.3	300	60
1½	1.9	2.07	2.362
50	60.3	300	70
2	2.375	2.07	2.756
65	73	300	76
2½	2.875	2.07	2.992
65	76.1	300	76
3OD	3	2.07	2.992
80	88.9	300	86
3	3.5	2.07	3.386
100	114.3	300	102
4	4.5	2.07	4.016
125	139.7	300	122
5½OD	5.5	2.07	4.803
150	165.1	300	140
6½OD	6.5	2.07	5.512
150	168.3	300	140
6	6.625	2.07	5.512
200	219.1	300	175
8	8.625	2.07	6.890
250	273	300	215
10	10.75	2.07	8.465
300	323.9	300	245
12	12.75	2.07	9.646

XGQT08 Adaptor Flange Class150



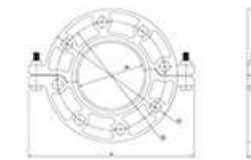
Nominal Size	Pipe O.D	Dimension				Bolt/Nut No. - SIZE
		L	X	Y	Z	
mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	65	155	121	16	4-M16
2	2.375	2.559	6.102	4.764	0.630	
65	73	65	185	140	16	4-M16
2½	2.875	2.559	7.283	5.512	0.630	
80	88.9	65	190	153	16	8-M16
3	3.5	2.559	7.480	6.024	0.630	
100	114.3	70	230	191	17	8-M16
4	4.5	2.756	9.055	7.520	0.669	
125	141.3	70	257	216	18	8-M16
5	5.563	2.756	10.118	8.504	0.630	
150	168.3	70	285	241	19	8-M20
6	6.625	2.756	11.220	9.488	0.748	
200	219.1	75	345	299	19	8-M20
8	8.625	2.953	13.583	11.772	0.748	
250	273	85	406	362	21	12-M24
10	10.75	3.346	15.984	14.252	0.827	
300	323.9	90	485	432	25	12-M24
12	12.75	3.543	19.094	17.008	0.984	

XGQT08 Adaptor Flange PN16



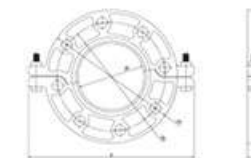
Nominal Size	Pipe O.D	Working Pressure PSI/MPa	Dimension				Bolt/Nut No. - SIZE
			L	X	Y	Z	
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	
50	60.3	225	65	164	125	16	4-M16
2	2.2375	1.6	2.559	6.457	4.921	0.63	
65	73	225	65	184	145	16	4-M16
2½	2.875	1.6	2.559	7.244	5.709	0.63	
80	88.9	225	65	200	160	16	4-M16
3	3.5	1.6	2.559	7.874	6.299	0.63	8-M16
100	108	225	65	210	180	16	8-M16
4¼ OD	4.25	1.6	2.559	8.268	7.087	0.63	
100	114.3	225	70	219	180	16	8-M16
4	4.5	1.6	2.756	8.622	7.087	0.63	
125	133	225	70	250	210	18	8-M16
5¼ OD	5.25	1.6	2.756	9.843	8.268	0.709	
125	139.7	225	70	250	210	18	8-M16
5¼ OD	5.5	1.6	2.756	9.843	8.268	0.709	
125	141.3	225	70	250	210	18	8-M16
5	5.563	1.6	2.756	9.843	8.268	0.709	
150	159	225	70	285	240	18	8-M20
6¼ OD	6.25	1.6	2.756	11.220	9.449	0.709	
150	165.1	225	70	286	240	18	8-M20
6¼ OD	6.5	1.6	2.756	11.260	9.449	0.709	
150	168.3	225	70	285	240	18	8-M20
6	6.625	1.6	2.756	11.220	9.449	0.709	
200	219.1	225	80	341	295	19	12-M20
8	8.625	1.6	3.150	13.425	11.614	0.748	
250	273	225	80	402	355	22	12-M24
10	10.75	1.6	3.150	15.827	13.976	0.866	
300	323.9	225	90	450	410	25	12-M24
12	12.75	1.6	3.543	17.717	16.142	0.984	

XGQT8 Flange Coupling (Grooved Flange)Class150



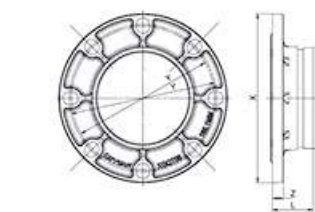
Nominal Size	Pipe O.D	Dimension					Bolt/Nut
		A	B	C	D	E	
mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	210	24	157	121	56.8	10*60
2	2.375	8.268	0.945	6.181	4.764	2.236	
65	73	232	24	181	140	68.5	10*60
2½	2.875	9.134	0.945	7.126	5.512	2.697	
80	88.9	248	24	192	152	84.8	10*60
3	3.5	9.764	0.945	7.559	5.984	3.339	
100	114.3	284	25	231	191	109.5	10*60
4	4.5	11.181	0.984	9.094	7.520	4.311	
125	141.3	321	25	255	216	137.2	10*70
5	5.563	12.638	0.984	10.039	8.504	5.402	
150	168.3	344	25	286	242	163.3	10*70
6	6.625	13.543	0.984	11.260	9.528	6.429	
200	219.1	404	30	342	298	214	12*75
8	8.625	15.906	1.181	13.465	11.732	8.425	

XGQT8 Flange Coupling (Grooved Flange)PN16



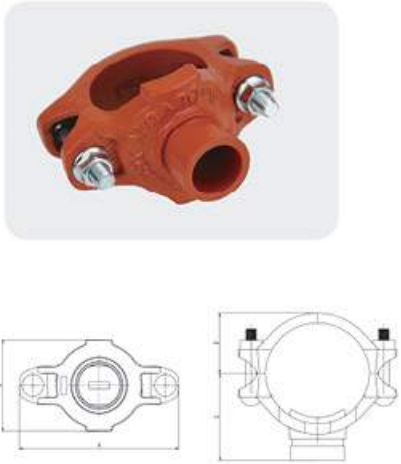
Nominal Size	Pipe O.D	Working Pressure PSI/MPa	Dimension					Bolt/Nut
			A	B	C	D	E	
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	225	210	24	166	125	56.8	4-M16
2	2.375	1.6	8.268	0.945	6.535	4.921	2.236	
65	73	225	232	24	181	145	68.5	4-M16
2½	2.875	1.6	9.134	0.945	7.126	5.709	2.697	
80	88.9	225	248	24	186	145	72	4-M16
3OD	3	1.6	9.528	0.945	7.323	5.709	2.835	
100	114.3	225	277	24	222	180	109.5	8-M16
4	4.5	1.6	10.906	0.945	8.740	7.087	4.311	
125	139.7	225	300	24	252	210	135.3	8-M16
5¼ OD	5.5	1.6	11.811	0.945	9.921	8.268	5.327	
125	141.3	225	325	24	254	210	136.7	8-M16
5	5.563	1.6	12.795	0.945	10.000	8.268	5.382	
150	165.1	225	350	25	285	240	160.3	8-M20
6¼ OD	6.5	1.6	13.780	0.984	11.220	9.449	6.311	
150	168.3	225	350	25	287	240	163.3	8-M20
6	6.625	1.6	13.780	0.984	11.299	9.449	6.429	
200	219.1	225	418	30	342	295	214	12-M20
8	8.625	1.6	16.457	1.181	13.465	11.614	8.425	

Universal Flange Adaptor



Nominal Size	Pipe O.D	L	X	Y: Flange Drilling				Z	Bolt Size		Unit Weight Kgs
				ANSI	PN	JIS	BS		Dia	No.	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
50	60.3	65	165	121	125	120	114	16	M16	4	1.33
2	2.375	2.56	6.50	4.75	4.92	4.72	4.49	0.63	5/8		
65	73	65	185	140	145	140	127	16	M16	4	1.58
2½	2.875	2.56	7.28	5.50	5.70	5.50	5.00	0.63	5/8		
76.1	76.1	65	185	140	145	140	127	16	M16	4	1.59
3	3.000	2.56	7.28	5.50	5.70	5.50	5.00	0.63	5/8		
80	88.9	65	200	152	160	150	146	16	M16	4/8	1.99
3	3.500	2.56	7.87	6.00	6.30	5.90	5.75	0.63	5/8		
100	114.3	70	225	191	180	175	178	16	M16	8	2.64
4	4.500	2.76	8.86	7.50	7.09	6.89	7.00	0.63	5/8		
139.7	139.700	70	254.00	216	210	210	210.00	16	M16/M20	8	3.54
5	5.500	2.76	10.00	8.50	8.27	8.27	8.27	0.63	5/8 / 3/4		
125	141.3	70	254.00	216	210	210		22	M16/M20	8	3.54
5	5.563	2.76	10.00	8.50	8.27	8.27		0.87	5/8 / 3/4		
165.1	165.1	70	272	241	240	240	235	16	M20	8	3.92
6	6.500	2.76	10.71	9.50	9.45	9.45	9.30	0.63	3/4		
150	168.3	70	272	241	240	240		22	M20	8	3.92
6	6.625	2.76	10.71	9.50	9.45	9.45		0.87	3/4		
200	219.1	80	343	298	295	290	292	22	M20	8/12	6.20
8	8.625	3.15	13.50	11.75	11.61	11.42	11.50	0.87	3/4		

XGQT3 Mechanical Tee Grooved Outlet



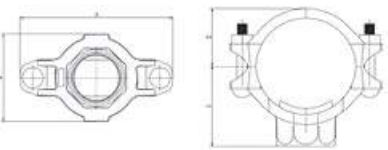
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
50 x 20 2 x 3/4	60.3 x 26.9 2.375 x 1.05	300 2.07	38 1.496	114 4.488	69 2.717	58 2.283	38 1.496	10*60
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300 2.07	38 1.496	114 4.488	69 2.717	58 2.283	38 1.496	10*60
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660	300 2.07	46 1.811	114 4.488	77 3.031	66 2.598	38 1.496	10*60
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900	300 2.07	46 1.811	114 4.488	77 3.031	60 2.362	38 1.496	10*60
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315	300 2.07	38 1.496	126 4.961	70 2.756	74 2.913	46 1.811	10*65
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660	300 2.07	46 1.811	126 4.961	77 3.031	74 2.913	46 1.811	10*65
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900	300 2.07	46 1.811	126 4.961	77 3.031	74 2.913	46 1.811	10*65
65 x 25 3OD x 1	73.0 x 33.7 3.000 x 1.315	300 2.07	38 1.496	130 5.118	69 2.717	74 2.913	47 1.850	10*65
65 x 32 3OD x 1 1/4	73.0 x 42.4 3.000 x 1.660	300 2.07	46 1.811	130 5.118	77 3.031	74 2.913	47 1.850	10*65
65 x 40 3OD x 1 1/2	73.0 x 48.3 3.000 x 1.900	300 2.07	46 1.811	130 5.118	77 3.031	74 2.913	47 1.850	10*65
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300 2.07	38 1.496	147 5.787	73 2.874	74 2.913	54 2.126	12*75
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660	300 2.07	46 1.811	147 5.787	87 3.425	82 3.228	54 2.126	12*75
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900	300 2.07	46 1.811	147 5.787	87 3.425	82 3.228	54 2.126	12*75
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375	300 2.07	64 2.520	147 5.787	100 3.937	82 3.228	54 2.126	12*75
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300 2.07	38 1.496	177 6.969	73 2.874	96 3.780	67 2.638	12*75
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660	300 2.07	46 1.811	177 6.969	87 3.425	96 3.780	67 2.638	12*75
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900	300 2.07	46 1.811	177 6.969	87 3.425	96 3.780	67 2.638	12*75
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375	300 2.07	64 2.520	177 6.969	102 4.016	96 3.780	67 2.638	12*75
100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875	300 2.07	70 2.756	177 6.969	110 4.331	96 3.780	67 2.638	12*75
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500	300 2.07	86 3.386	177 6.969	123 4.843	96 3.780	67 2.638	12*75
125 x 32 5 x 1 1/4	139.7 x 42.4 5.500 x 1.660	300 2.07	51 2.008	211 8.307	89 3.504	100 3.937	79 3.110	12*75
125 x 50 5 1/2 OD x 2	139.7 x 60.3 5.500 x 2.375	300 2.07	64 2.520	211 8.307	102 4.016	108 4.252	79 3.110	16*100
125 x 65 5 1/2 OD x 3OD	139.7 x 76.1 5.500 x 3.000	300 2.07	70 2.756	211 8.307	110 4.331	108 4.252	79 3.110	16*100
125 x 80 5 1/2 OD x 3	139.7 x 88.9 5.500 x 3.500	300 2.07	89 3.504	211 8.307	130 5.118	108 4.252	79 3.110	16*100
150 x 25 6 1/2 OD x 1	165.1 x 33.7 6.500 x 1.315	300 2.07	38 1.496	237 9.331	75 2.953	111 4.370	91 3.583	16*110
150 x 32 6 1/2 OD x 1 1/4	165.1 x 42.4 6.500 x 1.660	300 2.07	46 1.811	237 9.331	89 3.504	111 4.370	91 3.583	16*110
150 x 40 6 1/2 OD x 1 1/2	165.1 x 48.3 6.500 x 1.900	300 2.07	46 1.811	237 9.331	89 3.504	111 4.370	91 3.583	16*110
150 x 50 6 1/2 OD x 2	165.1 x 60.3 6.500 x 2.375	300 2.07	64 2.520	237 9.331	103 4.055	117 4.606	91 3.583	16*110
150 x 65 6 1/2 OD x 2 1/2	165.1 x 73.0 6.500 x 2.875	300 2.07	70 2.756	237 9.331	111 4.370	123 4.843	91 3.583	16*110
150 x 80 6 1/2 OD x 3OD	165.1 x 88.9 6.500 x 3.500	300 2.07	89 3.504	237 9.331	131 5.157	123 4.843	91 3.583	16*110
150 x 100 6 1/2 OD x 4	165.1 x 114.3 6.500 x 4.500	300 2.07	114 4.488	237 9.331	160 6.299	123 4.843	91 3.583	16*110
150 x 25 6 x 1	168.3 x 33.7 6.500 x 1.315	300 2.07	38 1.496	239 9.409	76 2.992	123 4.843	93 3.661	16*110
150 x 32 6 x 1 1/4	168.3 x 42.4 6.625 x 1.660	300 2.07	46 1.811	239 9.409	89 3.504	123 4.843	93 3.661	16*110
150 x 40 6 x 1 1/2	168.3 x 48.3 6.625 x 1.900	300 2.07	46 1.811	239 9.409	89 3.504	123 4.843	93 3.661	16*110
150 x 50 6 x 2	168.3 x 60.3 6.625 x 2.375	300 2.07	64 2.520	239 9.409	103 4.055	122 4.803	93 3.661	16*110
150 x 65 6 x 2 1/2	168.3 x 73.0 6.625 x 2.875	300 2.07	70 2.756	239 9.409	111 4.370	122 4.803	93 3.661	16*110
150 x 80 6 x 3	168.3 x 88.9 6.625 x 3.500	300 2.07	89 3.504	239 9.409	131 5.157	122 4.803	93 3.661	16*110
150 x 100 6 x 4	168.3 x 114.3 6.625 x 4.500	300 2.07	114 4.488	239 9.409	160 6.299	122 4.803	93 3.661	16*110

XGQT3S Mechanical Tee Threaded Outlet



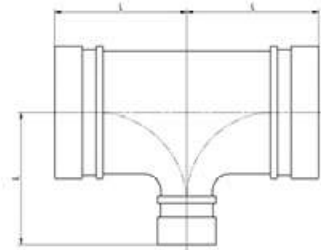
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
50 x 15 2 x 1/2	60.3 x 21.3 2.375 x 0.825	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 20 2 x 3/4	60.3 x 26.9 2.375 x 1.050	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660	300 2.07	46 1.811	114 4.488	77 3.031	59 2.323	39 1.535	10*60
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900	300 2.07	46 1.811	114 4.488	77 3.031	59 2.323	39 1.535	10*60
65 x 15 2 1/2 x 1/2	73.0 x 21.3 2.875 x 0.825	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65 x 20 2 1/2 x 3/4	73.0 x 26.9 2.875 x 1.050	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315	300 2.07	38 1.496	126 4.961	70 2.756	66 2.598	45 1.772	10*65
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65 x 15 3OD x 1/2	73.0 x 21.3 3.000 x 0.825	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 20 3OD x 3/4	73.0 x 26.9 3.000 x 1.050	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 25 3OD x 1	73.0 x 33.7 3.000 x 1.315	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 32 3OD x 1 1/4	73.0 x 42.4 3.000 x 1.660	300 2.07	46 1.811	130 5.118	78 3.031	69 2.717	47 1.850	10*65
65 x 40 3OD x 1 1/2	73.0 x 48.3 3.000 x 1.900	300 2.07	46 1.811	130 5.118	78 3.031	69 2.717	47 1.850	10*65
80 x 15 3 x 1/2	88.9 x 21.3 3.500 x 0.825	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 20 3 x 3/4	88.9 x 26.9 3.500 x 1.050	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660	300 2.07	46 1.811	148 5.827	87 3.425	75 2.953	54 2.126	12*75
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900	300 2.07	46 1.811	148 5.827	87 3.425	75 2.953	54 2.126	12*75
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375	300 2.07	64 2.520	148 5.827	100 3.937	79 3.110	54 2.126	12*75
100 x 15 4 x 1/2	114.3 x 21.3 4.500 x 0.825	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 20 4 x 3/4	114.3 x 26.9 4.500 x 1.050	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660	300 2.07	46 1.811	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900	300 2.07	46 1.811	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375	300 2.07	64 2.520	177 6.969	102 4.016	93 3.661	67 2.638	12*75
100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875	300 2.07	70 2.756	177 6.969	110 4.331	97 3.819	67 2.638	12*75
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500	300 2.07	89 3.504	177 6.969	131 5.157	100 3.937	67 2.638	12*75
125 x 15 5 x 1/2	139.7 x 21.3 5.500 x 0.825	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 20 5 1/2 OD x 1 1/4	139.7 x 26.9 5.500 x 1.050	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 25 5 1/2 OD x 1 1/2	139.7 x 33.7 5.500 x 1.315	300 2.07	46 1.811	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 32 5 1/2 OD x 2	139.7 x 42.4 5.500 x 1.660	300 2.07	64 2.520	210 8.268	103 4.055	105 4.134	79 3.110	16*100
125 x 40 5 1/2 OD x 2 1/2	139.7 x 48.3 5.500 x 1.900	300 2.07	70 2.756	210 8.268	110 4.331	111 4.370	79 3.110	16*100
125 x 50 5 1/2 OD x 3	139.7 x 60.3 5.500 x 2.375	300 2.07	89 3.504	210 8.268	131 5.157	114 4.488	79 3.110	16*100
150 x 15 6 x 1/2	165.1 x 21.3 6.500 x 0.825	300 2.07	38 1.496	239 9.409	75 2.953	112 4.409	91 3.583	16*110

XGQT3S Mechanical Tee Threaded Outlet



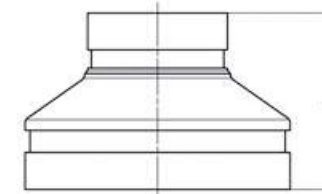
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
150x32	165.1x42.4	300	51	236	89	112	91	16*110
6% OD x 1 1/2	6.500 x 1.660	2.07	2.008	9.291	3.504	4.409	3.583	
150x40	165.1x48.3	300	51	236	89	112	91	16*110
6% OD x 1 1/2	6.500 x 1.900	2.07	2.008	9.291	3.504	4.409	3.583	
150x50	165.1x60.3	300	64	239	103	117	91	16*110
6% OD x 2	6.500 x 2.375	2.07	2.520	9.291	4.055	4.606	3.583	
150x65	165.1x73.0	300	70	239	111	122	91	16*110
6% OD x 2 1/2	6.500 x 2.875	2.07	2.756	9.291	4.370	4.803	3.583	
150x80	165.1x88.9	300	70	239	111	122	91	16*110
6% OD x 3OD	6.500 x 3.000	2.07	2.756	9.291	4.370	4.803	3.583	
150x100	165.1x114.3	300	89	239	131	123	91	16*110
6% OD x 3	6.500 x 3.500	2.07	3.504	9.291	5.157	4.843	3.583	
150x125	165.1x141.3	300	114	239	160	123	91	16*110
6% OD x 4	6.500 x 4.000	2.07	4.488	9.291	6.299	4.843	3.583	
150x150	165.1x168.3	300	114	239	160	123	91	16*110
6% OD x 4	6.500 x 4.500	2.07	4.488	9.291	6.299	4.843	3.583	
150x200	165.1x219.1	300	148	239	181	123	91	16*110
6% OD x 5	6.500 x 5.000	2.07	5.433	9.291	7.622	4.843	3.583	
150x250	165.1x270.0	300	181	239	214	123	91	16*110
6% OD x 6	6.500 x 6.000	2.07	6.375	9.291	8.564	4.843	3.583	
150x300	165.1x320.0	300	214	239	247	123	91	16*110
6% OD x 7	6.500 x 7.000	2.07	7.317	9.291	9.506	4.843	3.583	
150x350	165.1x370.0	300	247	239	280	123	91	16*110
6% OD x 8	6.500 x 8.000	2.07	8.259	9.291	10.448	4.843	3.583	
150x400	165.1x420.0	300	280	239	313	123	91	16*110
6% OD x 9	6.500 x 9.000	2.07	9.201	9.291	11.389	4.843	3.583	
150x450	165.1x470.0	300	313	239	346	123	91	16*110
6% OD x 10	6.500 x 10.000	2.07	10.143	9.291	12.331	4.843	3.583	
150x500	165.1x520.0	300	346	239	379	123	91	16*110
6% OD x 11	6.500 x 11.000	2.07	11.085	9.291	13.273	4.843	3.583	
150x550	165.1x570.0	300	379	239	412	123	91	16*110
6% OD x 12	6.500 x 12.000	2.07	12.027	9.291	14.215	4.843	3.583	
150x600	165.1x620.0	300	412	239	445	123	91	16*110
6% OD x 13	6.500 x 13.000	2.07	13.069	9.291	15.157	4.843	3.583	
150x650	165.1x670.0	300	445	239	478	123	91	16*110
6% OD x 14	6.500 x 14.000	2.07	14.011	9.291	16.100	4.843	3.583	
150x700	165.1x720.0	300	478	239	511	123	91	16*110
6% OD x 15	6.500 x 15.000	2.07	15.053	9.291	17.042	4.843	3.583	
150x750	165.1x770.0	300	511	239	544	123	91	16*110
6% OD x 16	6.500 x 16.000	2.07	16.095	9.291	17.984	4.843	3.583	
150x800	165.1x820.0	300	544	239	577	123	91	16*110
6% OD x 17	6.500 x 17.000	2.07	17.137	9.291	18.926	4.843	3.583	
150x850	165.1x870.0	300	577	239	610	123	91	16*110
6% OD x 18	6.500 x 18.000	2.07	18.179	9.291	19.868	4.843	3.583	
150x900	165.1x920.0	300	610	239	643	123	91	16*110
6% OD x 19	6.500 x 19.000	2.07	19.221	9.291	20.810	4.843	3.583	
150x950	165.1x970.0	300	643	239	676	123	91	16*110
6% OD x 20	6.500 x 20.000	2.07	20.263	9.291	21.752	4.843	3.583	
150x1000	165.1x1020.0	300	676	239	709	123	91	16*110
6% OD x 21	6.500 x 21.000	2.07	21.305	9.291	22.694	4.843	3.583	
150x1050	165.1x1070.0	300	709	239	742	123	91	16*110
6% OD x 22	6.500 x 22.000	2.07	22.347	9.291	23.636	4.843	3.583	
150x1100	165.1x1120.0	300	742	239	775	123	91	16*110
6% OD x 23	6.500 x 23.000	2.07	23.389	9.291	24.578	4.843	3.583	
150x1150	165.1x1170.0	300	775	239	808	123	91	16*110
6% OD x 24	6.500 x 24.000	2.07	24.431	9.291	25.520	4.843	3.583	
150x1200	165.1x1220.0	300	808	239	841	123	91	16*110
6% OD x 25	6.500 x 25.000	2.07	25.473	9.291	26.462	4.843	3.583	
150x1250	165.1x1270.0	300	841	239	874	123	91	16*110
6% OD x 26	6.500 x 26.000	2.07	26.515	9.291	27.404	4.843	3.583	
150x1300	165.1x1320.0	300	874	239	907	123	91	16*110
6% OD x 27	6.500 x 27.000	2.07	27.557	9.291	28.346	4.843	3.583	
150x1350	165.1x1370.0	300	907	239	940	123	91	16*110
6% OD x 28	6.500 x 28.000	2.07	28.599	9.291	29.288	4.843	3.583	
150x1400	165.1x1420.0	300	940	239	973	123	91	16*110
6% OD x 29	6.500 x 29.000	2.07	29.641	9.291	30.230	4.843	3.583	
150x1450	165.1x1470.0	300	973	239	1006	123	91	16*110
6% OD x 30	6.500 x 30.000	2.07	30.683	9.291	31.172	4.843	3.583	
150x1500	165.1x1520.0	300	1006	239	1039	123	91	16*110
6% OD x 31	6.500 x 31.000	2.07	31.725	9.291	32.114	4.843	3.583	
150x1550	165.1x1570.0	300	1039	239	1072	123	91	16*110
6% OD x 32	6.500 x 32.000	2.07	32.767	9.291	33.056	4.843	3.583	
150x1600	165.1x1620.0	300	1072	239	1105	123	91	16*110
6% OD x 33	6.500 x 33.000	2.07	33.809	9.291	34.000	4.843	3.583	
150x1650	165.1x1670.0	300	1105	239	1138	123	91	16*110
6% OD x 34	6.500 x 34.000	2.07	34.851	9.291	34.942	4.843	3.583	
150x1700	165.1x1720.0	300	1138	239	1171	123	91	16*110
6% OD x 35	6.500 x 35.000	2.07	35.893	9.291	35.884	4.843	3.583	
150x1750	165.1x1770.0	300	1171	239	1204	123	91	16*110
6% OD x 36	6.500 x 36.000	2.07	36.935	9.291	36.826	4.843	3.583	
150x1800	165.1x1820.0	300	1204	239	1237	123	91	16*110
6% OD x 37	6.500 x 37.000	2.07	37.977	9.291	37.768	4.843	3.583	
150x1850	165.1x1870.0	300	1237	239	1270	123	91	16*110
6% OD x 38	6.500 x 38.000	2.07	39.019	9.291	38.710	4.843	3.583	
150x1900	165.1x1920.0	300	1270	239	1303	123	91	16*110
6% OD x 39	6.500 x 39.000	2.07	40.061	9.291	39.652	4.843	3.583	
150x1950	165.1x1970.0	300	1303	239	1336	123	91	16*110
6% OD x 40	6.500 x 40.000	2.07	41.103	9.291	40.594	4.843	3.583	
150x2000	165.1x2020.0	300	1336	239	1369	123	91	16*110
6% OD x 41	6.500 x 41.000	2.07	42.145	9.291	41.536	4.843	3.583	
150x2050	165.1x2070.0	300	1369	239	1402	123	91	16*110
6% OD x 42	6.500 x 42.000	2.07	43.187	9.291	42.478	4.843	3.583	
150x2100	165.1x2120.0	300	1402	239	1435	123	91	16*110
6% OD x 43	6.500 x 43.000	2.07	44.229	9.291	43.420	4.843	3.583	
150x2150	165.1x2170.0	300	1435	239	1468	123	91	16*110
6% OD x 44	6.500 x 44.000	2.07	45.271	9.291	44.362	4.843	3.583	
150x2200	165.1x2220.0	300	1468	239	1501	123	91	16*110
6% OD x 45	6.500 x 45.000	2.07	46.313	9.291	45.304	4.843	3.583	
150x2250	165.1x2270.0	300	1501	239	1534	123	91	16*110
6% OD x 46	6.500 x 46.000	2.07	47.355	9.291	46.246	4.843	3.583	
150x2300	165.1x2320.0	300	1534	239	1567	123	91	16*110
6% OD x 47	6.500 x 47.000	2.07	48.397	9.291	47.188	4.843	3.583	
150x2350	165.1x2370.0	300	1567	239	1600	123	91	16*110
6% OD x 48	6.500 x 48.000	2.07	49.439	9.291	48.130	4.843	3.583	
150x2400	165.1x2420.0	300	1600	239	1633	123	91	16*110
6% OD x 49	6.500 x 49.000	2.07	50.481	9.291	49.072	4.843	3.583	
150x2450	165.1x2470.0	300	1633	239	1666	123	91	16*110
6% OD x 50	6.500 x 50.000	2.07	51.523	9.291	50.014	4.843	3.583	
150x2500	165.1x2520.0	300	1666	239	1699	123	91	16*110
6% OD x 51	6.500 x 51.000	2.07	52.565	9.291	50.956	4.843	3.583	
150x2550	165.1x2570.0	300	1699	239	1732	123	91	16*110
6% OD x 52	6.500 x 52.000	2.07	53.607	9.291	51.898	4.843	3.583	
150x2600	165.1x2620.0	300	1732	239	1765	123	91	16*110
6% OD x 53	6.500 x 53.000	2.07	54.649	9.291	52.840	4.843	3.583	
150x2650	165.1x2670.0	300	1765	239	1798	123	91	16*110
6% OD x 54	6.500 x 54.000	2.07	55.691	9.291	53.782	4.843	3.583	
150x2700	165.1x2720.0	300	1798	239	1831	123	91	16*110
6% OD x 55	6.500 x 55.000	2.07	56.733	9.291	54.724	4.843	3.583	
150x2750	165.1x2770.0	300	1831	239	1864	123	91	16*110
6% OD x 56	6.500 x 56.000	2.07	57.775	9.291	55.666	4.843	3.583	
150x2800	165.1x2820.0	300	1864	239	1897	123	91	16*110
6% OD x 57	6.500 x 57.000	2.07	58.817	9.291	56.608	4.843	3.583	
150x2850	165.1x2870.0	300	1897	239	1930	123	91	16

XGQT13 Grooved Reducing Tee



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
50x25 2x1	60.3x33.7 2.375x1.315	300 2.07	70 2.756
50x32 2x1 1/4	60.3x42.4 2.375x1.660	300 2.07	
50x40 2x1 1/2	60.3x48.3 2.375x1.900	300 2.07	
65x25 2 1/2x1	73.0x33.7 2.875x1.315	300 2.07	
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	300 2.07	76 2.992
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	300 2.07	
65x50 2 1/2x2	73.0x60.3 2.875x2.375	300 2.07	
65x65 3x2	76.1x33.7 3.000x1.315	300 2.07	
65x80 3x2 1/2	76.1x42.4 3.000x1.660	300 2.07	86 3.386
65x100 3x3	76.1x48.3 3.000x1.900	300 2.07	
65x125 3x4	76.1x60.3 3.000x2.375	300 2.07	
80x25 3x1	88.9x33.7 3.500x1.315	300 2.07	
80x32 3x1 1/4	88.9x42.4 3.500x1.660	300 2.07	102 4.016
80x40 3x1 1/2	88.9x48.3 3.500x1.900	300 2.07	
80x50 3x2	88.9x60.3 3.500x2.375	300 2.07	
80x65 3x2 1/2	88.9x73.0 3.500x2.875	300 2.07	
80x80 3x3	88.9x80.3 3.500x3.000	300 2.07	102 4.016
100x25 4x1	108.0x33.7 4.250x1.315	300 2.07	
100x32 4x1 1/4	108.0x42.4 4.250x1.660	300 2.07	
100x40 4x1 1/2	108.0x48.3 4.250x1.900	300 2.07	
100x50 4x2	108.0x60.3 4.250x2.375	300 2.07	122 4.803
100x65 4x2 1/2	108.0x73.0 4.250x2.875	300 2.07	
100x80 4x3	108.0x80.3 4.250x3.000	300 2.07	
100x100 4x4	108.0x108.0 4.250x4.250	300 2.07	
125x25 5x1	125.0x33.7 5.000x1.315	300 2.07	122 4.803
125x32 5x1 1/4	125.0x42.4 5.000x1.660	300 2.07	
125x40 5x1 1/2	125.0x48.3 5.000x1.900	300 2.07	
125x50 5x2	125.0x60.3 5.000x2.375	300 2.07	
125x65 5x2 1/2	125.0x73.0 5.000x2.875	300 2.07	122 4.803
125x80 5x3	125.0x80.3 5.000x3.000	300 2.07	
125x100 5x4	125.0x108.0 5.000x4.250	300 2.07	
125x125 5x5	125.0x125.0 5.000x5.000	300 2.07	

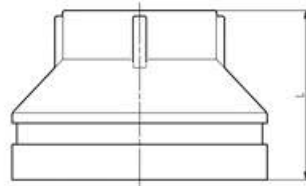
XGQT07 Grooved Concentric Reducer



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
32x25 1x1	42.4x33.7 1.660x1.315	350 2.5	64 2.520
40x25 1 1/4x1	48.3x33.7 1.900x1.315	350 2.5	
40x32 1 1/4x1 1/4	48.3x42.4 1.900x1.660	350 2.5	
50x32 2x1 1/4	60.3x42.4 2.375x1.660	350 2.5	
50x40 2x1 1/2	60.3x48.3 2.375x1.900	350 2.5	64 2.520
65x25 2 1/2x1	73.0x33.7 2.875x1.315	350 2.5	
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	350 2.5	
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	350 2.5	
80x25 3x1	88.9x33.7 3.500x1.315	350 2.5	76 2.992
80x32 3x1 1/4	88.9x42.4 3.500x1.660	350 2.5	
80x40 3x1 1/2	88.9x48.3 3.500x1.900	350 2.5	
80x50 3x2	88.9x60.3 3.500x2.375	350 2.5	
80x65 3x2 1/2	88.9x73.0 3.500x2.875	350 2.5	89 3.504
80x80 3x3	88.9x80.3 3.500x3.000	350 2.5	
100x25 4x1	108.0x33.7 4.250x1.315	350 2.5	
100x32 4x1 1/4	108.0x42.4 4.250x1.660	350 2.5	
100x40 4x1 1/2	108.0x48.3 4.250x1.900	350 2.5	89 3.504
100x50 4x2	108.0x60.3 4.250x2.375	350 2.5	
100x65 4x2 1/2	108.0x73.0 4.250x2.875	350 2.5	
100x80 4x3	108.0x80.3 4.250x3.000	350 2.5	
125x25 5x1	125.0x33.7 5.000x1.315	350 2.5	89 3.504
125x32 5x1 1/4	125.0x42.4 5.000x1.660	350 2.5	
125x40 5x1 1/2	125.0x48.3 5.000x1.900	350 2.5	
125x50 5x2	125.0x60.3 5.000x2.375	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	122 4.803	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	140 5.512	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	175 6.890	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	215 8.465	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	245 9.646	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	289 11.374	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	350 13.780	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	406 15.984	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	450 17.716	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	500 19.685	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	550 21.654	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	600 23.622	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	650 25.581	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	700 27.559	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	750 29.528	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	800 31.500	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	850 33.472	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	900 35.444	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	950 37.416	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1000 39.370	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1050 41.339	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1100 43.307	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1150 45.276	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1200 47.244	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1250 49.213	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1300 51.181	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1350 53.150	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1400 55.118	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1450 57.087	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1500 59.055	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1550 61.024	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1600 62.992	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1650 64.961	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1700 66.929	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1750 68.898	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1800 70.867	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1850 72.835	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1900 74.804	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	1950 76.773	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2000 78.741	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2050 80.710	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2100 82.679	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2150 84.647	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2200 86.616	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2250 88.584	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2300 90.553	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2350 92.521	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2400 94.490	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2450 96.459	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2500 98.427	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2550 100.396	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2600 102.365	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2650 104.333	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2700 106.302	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2750 108.271	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2800 110.239	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2850 112.208	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2900 114.177	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	2950 116.145	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3000 118.114	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3050 120.083	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3100 122.051	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3150 124.020	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3200 125.989	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3250 127.957	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3300 129.926	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3350 131.894	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3400 133.863	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3450 135.831	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3500 137.800	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3550 139.769	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3600 141.737	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3650 143.706	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3700 145.675	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3750 147.643	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3800 149.612	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3850 151.581	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3900 153.549	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	3950 155.518	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4000 157.487	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4050 159.455	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4100 161.424	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4150 163.393	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4200 165.361	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4250 167.330	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4300 169.299	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4350 171.267	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4400 173.236	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4450 175.205	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4500 177.173	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4550 179.142	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4600 181.111	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4650 183.079	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4700 185.048	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4750 187.017	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4800 188.985	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4850 190.954	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4900 192.923	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	4950 194.891	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5000 196.860	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5050 198.829	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5100 200.797	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5150 202.766	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5200 204.735	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5250 206.703	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5300 208.672	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5350 210.641	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5400 212.609	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5450 214.578	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5500 216.547	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5550 218.515	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5600 220.484	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5650 222.453	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5700 224.421	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5750 226.390	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5800 228.359	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5850 230.327	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5900 232.296	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	5950 234.265	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6000 236.233	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6050 238.202	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6100 240.171	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6150 242.139	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6200 244.108	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6250 246.077	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6300 248.045	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6350 250.014	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6400 251.983	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6450 253.951	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6500 255.920	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6550 257.889	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6600 259.857	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6650 261.826	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6700 263.795	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6750 265.763	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6800 267.732	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6850 269.701	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6900 271.669	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	6950 273.638	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7000 275.607	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7050 277.575	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7100 279.544	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7150 281.513	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7200 283.481	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7250 285.450	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7300 287.419	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7350 289.387	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7400 291.356	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7450 293.325	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7500 295.293	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7550 297.262	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7600 299.231	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7650 301.199	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7700 303.168	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7750 305.137	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7800 307.105	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7850 309.074	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7900 311.043	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	7950 313.011	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8000 314.980	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8050 316.949	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8100 318.917	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8150 320.886	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8200 322.855	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8250 324.823	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8300 326.792	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8350 328.761	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8400 330.729	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8450 332.698	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8500 334.667	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8550 336.635	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8600 338.604	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8650 340.573	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8700 342.541	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8750 344.510	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8800 346.479	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8850 348.447	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	8900 350.
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XGQT07S Threaded Concentric Reducer



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
50x15 2 x 1/2	60.3x21.3 2.375 x 0.825	350 2.5	64 2.520
50x20 2 x 3/4	60.3x26.9 2.375 x 1.050	350 2.5	
50x25 2 x 1	60.3x33.7 2.375 x 1.315	350 2.5	
50x32 2 x 1 1/4	60.3x42.4 2.375 x 1.660	350 2.5	
50x40 2 x 1 1/2	60.3x48.3 2.375 x 1.900	350 2.5	
65x15 2 1/4 x 1/2	73.0x21.3 2.875 x 0.825	350 2.5	
65x20 2 1/4 x 3/4	73.0x26.9 2.875 x 1.050	350 2.5	
65x25 2 1/4 x 1	73.0x33.7 2.875 x 1.315	350 2.5	
65x32 2 1/4 x 1 1/4	73.0x42.4 2.875 x 1.660	350 2.5	
65x40 2 1/4 x 1 1/2	73.0x48.3 2.875 x 1.900	350 2.5	
65x50 2 1/2 x 2	73.0x60.3 2.875 x 2.375	350 2.5	
65x15 3 OD x 1/2	76.1x21.3 3.000 x 0.825	350 2.5	
65x20 3 OD x 3/4	76.1x26.9 3.000 x 1.050	350 2.5	
65x25 3 OD x 1	76.1x33.7 3.000 x 1.315	350 2.5	
65x32 3 OD x 1 1/4	76.1x42.4 3.000 x 1.660	350 2.5	
65x40 3 OD x 1 1/2	76.1x48.3 3.000 x 1.900	350 2.5	
65x50 3 OD x 2	76.1x60.3 3.000 x 2.375	350 2.5	
80x15 3 x 1/2	88.9x21.3 3.500 x 0.825	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
80x20 3 x 3/4	88.9x26.9 3.500 x 1.050	350 2.5	64 2.520
80x25 3 x 1	88.9x33.7 3.500 x 1.315	350 2.5	
80x32 3 x 1 1/4	88.9x42.7 3.500 x 1.660	350 2.5	
80x40 3 x 1 1/2	88.9x48.3 3.500 x 1.900	350 2.5	
80x50 3 x 2	88.9x60.3 3.500 x 2.375	350 2.5	
80x65 3 x 2 1/2	88.9x73.0 3.500 x 2.875	350 2.5	
80x65 3 x 3 OD	88.9x76.1 3.500 x 3.000	350 2.5	
100x25 4 x 1	108.0x33.7 4.250 x 1.315	350 2.5	
100x32 4 x 1 1/4	108.0x42.4 4.250 x 1.660	350 2.5	
100x40 4 x 1 1/2	108.0x48.3 4.250 x 1.900	350 2.5	
100x50 4 x 2	108.0x60.3 4.250 x 2.375	350 2.5	
100x65 4 x 2 1/2	108.0x73.0 4.250 x 2.875	350 2.5	
100x65 4 x 3 OD	108.0x76.1 4.250 x 3.000	350 2.5	76 2.992
100x80 4 x 3 1/2	108.0x88.9 4.250 x 3.500	350 2.5	
100x15 4 x 1/2	114.3x21.3 4.500 x 0.825	350 2.5	
100x20 4 x 3/4	114.3x26.9 4.500 x 1.050	350 2.5	
100x25 4 x 1	114.3x33.7 4.500 x 1.315	350 2.5	
100x32 4 x 1 1/4	114.3x42.4 4.500 x 1.660	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
100x40 4 x 1 1/2	114.3x48.3 4.500 x 1.900	350 2.5	76 2.992
100x50 4 x 2	114.3x60.3 4.500 x 2.315	350 2.5	
100x65 4 x 2 1/2	114.3x73.0 4.500 x 2.875	350 2.5	
100x65 4 x 3 OD	114.3x76.1 4.500 x 3.000	350 2.5	
100x80 4 x 3	114.3x88.9 4.500 x 3.500	350 2.5	
125x15 5 1/4 OD x 1/2	133.0x21.3 5.250 x 0.825	350 2.5	
125x20 5 1/4 OD x 3/4	133.0x26.9 5.250 x 1.050	350 2.5	
125x25 5 1/4 OD x 1	133.0x33.7 5.250 x 1.315	350 2.5	
125x32 5 1/4 OD x 1 1/4	133.0x42.4 5.250 x 1.660	350 2.5	
125x40 5 1/4 OD x 1 1/2	133.0x48.3 5.250 x 1.900	350 2.5	
125x50 5 1/4 OD x 2	133.0x60.3 5.250 x 2.315	350 2.5	
125x65 5 1/4 OD x 2 1/2	133.0x73.0 5.250 x 2.875	350 2.5	89 3.504
125x65 5 1/4 OD x 3 OD	133.0x76.1 5.250 x 3.000	350 2.5	
125x80 5 1/4 OD x 3	133.0x88.9 5.250 x 3.500	350 2.5	
125x100 5 1/4 OD x 4	133.0x114.3 5.250 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	159.0x21.3 6.250 x 0.825	350 2.5	
150x20 6 1/4 OD x 3/4	159.0x26.9 6.250 x 1.050	350 2.5	
150x25 6 1/4 OD x 1	159.0x33.7 6.250 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	159.0x42.4 6.250 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	159.0x48.3 6.250 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	159.0x60.3 6.250 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	159.0x73.0 6.250 x 2.875	350 2.5	102 4.016
150x65 6 1/4 OD x 3 OD	159.0x76.1 6.250 x 3.000	350 2.5	
150x80 6 1/4 OD x 3	159.0x88.9 6.250 x 3.500	350 2.5	
150x100 6 1/4 OD x 4	159.0x114.3 6.250 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	165.1x21.3 6.500 x 0.825	350 2.5	
150x20 6 1/4 OD x 3/4	165.1x26.9 6.500 x 1.050	350 2.5	
150x25 6 1/4 OD x 1	165.1x33.7 6.500 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	165.1x42.4 6.500 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	165.1x48.3 6.500 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	165.1x60.3 6.500 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	165.1x73.0 6.500 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	165.1x76.1 6.500 x 3.000	350 2.5	102 4.016
150x80 6 1/4 OD x 3	165.1x88.9 6.500 x 3.500	350 2.5	
150x100 6 1/4 OD x 4	165.1x114.3 6.500 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	168.3x21.3 6.625 x 0.825	350 2.5	
150x20 6 1/4 OD x 3/4	168.3x26.9 6.625 x 1.050	350 2.5	
150x25 6 1/4 OD x 1	168.3x33.7 6.625 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	168.3x42.4 6.625 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	168.3x48.3 6.625 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	168.3x60.3 6.625 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	168.3x73.0 6.625 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	168.3x76.1 6.625 x 3.000	350 2.5	
150x80 6 1/4 OD x 3	168.3x88.9 6.625 x 3.500	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
125x32 5 1/4 OD x 1 1/4	139.7x42.4 5.500 x 1.660	350 2.5	89 3.504
125x40 5 1/4 OD x 1 1/2	139.7x48.3 5.500 x 1.900	350 2.5	
125x50 5 1/4 OD x 2	139.7x60.3 5.500 x 2.315	350 2.5	
125x65 5 1/4 OD x 2 1/2	139.7x73.0 5.500 x 2.875	350 2.5	
125x65 5 1/4 OD x 3 OD	139.7x76.1 5.500 x 3.000	350 2.5	
125x80 5 1/4 OD x 3	139.7x88.9 5.500 x 3.500	350 2.5	
125x100 5 1/4 OD x 4	139.7x114.3 5.500 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	159.0x21.3 6.250 x 0.825	350 2.5	
150x20 6 1/4 OD x 3/4	159.0x26.9 6.250 x 1.050	350 2.5	
150x25 6 1/4 OD x 1	159.0x33.7 6.250 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	159.0x42.4 6.250 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	159.0x48.3 6.250 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	159.0x60.3 6.250 x 2.315	350 2.5	102 4.016
150x65 6 1/4 OD x 2 1/2	159.0x73.0 6.250 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	159.0x76.1 6.250 x 3.000	350 2.5	
150x80 6 1/4 OD x 3	159.0x88.9 6.250 x 3.500	350 2.5	
150x100 6 1/4 OD x 4	159.0x114.3 6.250 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	165.1x21.3 6.500 x 0.825	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
150x20 6 1/4 OD x 3/4	165.1x26.9 6.500 x 1.050	350 2.5	102 4.016
150x25 6 1/4 OD x 1	165.1x33.7 6.500 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	165.1x42.4 6.500 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	165.1x48.3 6.500 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	165.1x60.3 6.500 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	165.1x73.0 6.500 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	165.1x76.1 6.500 x 3.000	350 2.5	
150x80 6 1/4 OD x 3	165.1x88.9 6.500 x 3.500	350 2.5	
150x100 6 1/4 OD x 4	165.1x114.3 6.500 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	168.3x21.3 6.625 x 0.825	350 2.5	
150x20 6 1/4 OD x 3/4	168.3x26.9 6.625 x 1.050	350 2.5	
150x25 6 1/4 OD x 1	168.3x33.7 6.625 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	168.3x42.4 6.625 x 1.660	350 2.5	102 4.016
150x40 6 1/4 OD x 1 1/2	168.3x48.3 6.625 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	168.3x60.3 6.625 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	168.3x73.0 6.625 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	168.3x76.1 6.625 x 3.000	350 2.5	
150x80 6 1/4 OD x 3	168.3x88.9 6.625 x 3.500	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
150x100 6 x 4	168.3x114.3 6.625 x 4.500	350 2.5	102 4.016
200x25 8 x 1	219.1x33.7 8.625 x 1.315	350 2.5	
200x32 8 x 1 1/4	219.1x42.4 8.625 x 1.660	350 2.5	
200x40 8 x 1 1/2	219.1x48.3 8.625 x 1.900	350 2.5	
200x50 8 x 2	219.1x60.3 8.625 x 2.315	350 2.5	
200x65 8 x 2 1/2	219.1x73.0 8.625 x 2.875	350 2.5	
200x65 8 x 3 OD	219.1x76.1 8.625 x 3.000	350 2.5	
200x80 8 x 3	219.1x88.9 8.625 x 3.500	350 2.5	
200x100 8 x 4	219.1x114.3 8.625 x 4.500	350 2.5	

Installation Instruction For Rigid & Flexible Coupling



1. Pipe preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.



2. Lubricate gasket

Check gasket to be sure it's compatible for the intended service. Apply thin lubricant to the outside and sealing lips of the gasket.



3. Gasket installation

Slip the gasket over one pipe, making sure the gasket lip does not over-hang the pipe end.



4. Alignment

After aligning two pipe ends together, pull the gasket into position, centering between the grooves on each pipe. The gasket should not extend into the groove on either pipe.



5. Housing installation

Remove one bolt&nut and loosen the other nut. Place one housing over the gasket, making sure the housing keys fit into the pipe grooves. Swing the other housing over the gasket and into the grooves on both pipes. Re-insert the bolt and connect two housings.



6. Tighten nuts

Firstly hand tighten nuts and make sure oval neck bolt completely fits into bolt hole. Then securely tighten nuts alternately and equally to the specified bolt torque by using spanner.



7 a. Assembly completed- Rigid Coupling

For Rigid Coupling, keep the gaps at bolt pads evenly spaced. Gaskets can't be seen visually.



7 b. Assembly completed- Flexible Coupling

For Flexible Coupling, two housings should be iron to iron connected. Gaskets can't be seen visually.

Caution

Installation Instruction For Threaded & Grooved Mechanical Tee



1. Pipe preparation

Clean the gasket sealing surface within 16mm of the hole and visually inspect the sealing surface for defects that may prevent proper sealing of the gasket. Don't drill the hole on weld line.



2. Remove burrs

If any burrs or slug exists at the pipe hole, please remove them before assembly, to protect the gasket and avoid leakage.



3. Gasket installation

Insert the gasket into outlet housing making sure the tab in the gasket line up with the tab recesses in the housing. Align outlet housing over the pipe hole making sure that the locating collar is in the pipe hole.



4. Alignment

Align the strap around the pipe, insert the bolts and tighten the nuts finger tight.



5. Tighten nuts

Alternatively and evenly tighten the nuts to the specified bolt torque.



6. Assembly completed

There should be even gaps on two sides between upper and lower housings.

Caution

Proper torquing of bolts is required to obtain specified performance.

- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque

ANSI BOLTS			
Bolt Size	Specified Bolt Torque		
Inch	Lbs-Ft.	N.m	
3/8	30-45	40-60	
1/2	80-100	110-135	
5/8	100-130	135-175	
3/4	—	—	
7/8	—	—	

Installation Instruction For Grooved Flange



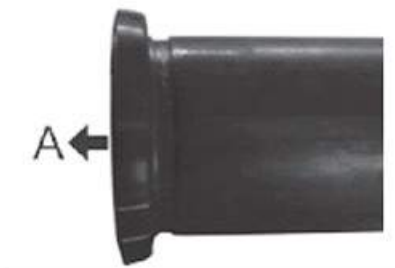
1. Pipe preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.



2. Lubricate gasket

Check gasket to be sure it's compatible for the intended service. Apply thin lubricant to the outside and sealing lips of the gasket.



3. Gasket installation

Slip the gasket over pipe end, with the gasket opening side towards 'A'. Make sure the gasket sealing lip is even with pipe end.



4. Housing installation

Remove bolts and nuts, place two housings over the gasket, making sure the housing keys fit into the pipe grooves. Re-insert the bolts and hand tighten the nuts.



5. Tighten nuts

Securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



6. Connect mating flange

Align flange bolt holes with mating flange (or valve) bolt holes. Insert a standard flange bolt through bolt hole and hand tighten a nut. Insert another bolt opposite the first and hand tighten a nut. Continue this until all bolt holes are fitted. Tighten nuts evenly to specified bolt torque, so flange faces remain parallel. Assembly completed.

Caution

Proper torquing of bolts is required to obtain specified performance.

- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque

ANSI BOLTS		
Bolt Size	Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
M10	30-45	40-60
M12	80-100	110-135
M16	—	—
M20	—	—
M22	—	—
M24	—	—

GASKET DATA



Gasket	Name	Temperature Range	General Service Recommendations	Color Mark
E	EPDM	-34~+110°C (-30~+230°F)	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL classified in accordance with ANSI/NSF 61 or cold +86°F(+30°C) and hot +180°F (+82°C) potable water service. Not recommended for petroleum service.	Green Strip
D	NBR	-29~+82°C (-20~+180°F)	Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services.	Orange Strip
S	Silicon Rubber	-40~+177°C (-40~+350°F)	Recommended for high temperature dry air and some high temperature chemical products.	White

Bolts and Nuts

Raw material of oval neck track bolts and hex nuts are taken as 35# steel, and its mechanical properties reach ISO 898-1 Gr.8.8. The bolts and nuts are electro zinc plated in a silver chromate color. The oval neck track bolts mate into the oval holes in the housing segments to allow for easy tightening using only a single wrench/spanner, safely and firmly.

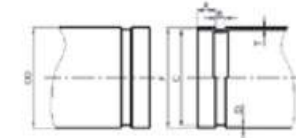


Bolt dimension	M10	M12	M16	M20	M22
Spanner dimension	15	18	24	30	34

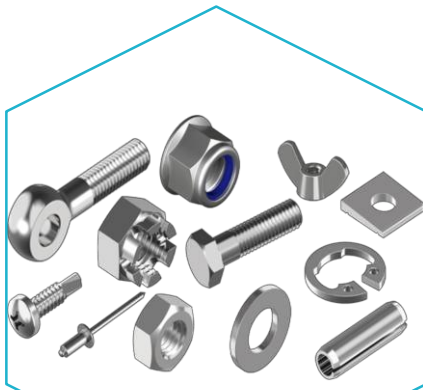
Roll Groove Dimensions



Roll Grooving Machine



Nominal Size mm/in	Pipe OD		Gasket seat A ±0.76/±0.03 mm/in	Groove Width B ±0.76/±0.03 mm/in	Groove Dia C		Groove Depth D(ref) mm/in	Max Allow Flare Dia F mm/in	Min. Allow wall thickness T mm/in
	Basic mm/in	Tolerance mm/in			Basic mm/in	Tolerance mm/in			
25 1	33.7 1.327	+0.41 +0.016 -0.68 -0.026	15.88 0.625	7.14 0.281	30.23 1.190	-0.38 -0.015	1.60 0.063	34.5 1.358	1.8 0.071
32 1¼	42.4 1.669	+0.50 +0.020 -0.60 -0.023	15.88 0.625	7.14 0.281	38.99 1.535	-0.38 -0.015	1.60 0.063	43.3 1.705	1.8 0.071
40 1½	48.3 1.900	+0.44 +0.017 -0.52 -0.020	15.88 0.625	7.14 0.281	45.09 1.779	-0.38 -0.015	1.60 0.063	49.4 1.945	1.8 0.071
50 2	60.3 2.375	+0.61 +0.024 -0.61 -0.024	15.88 0.625	8.74 0.344	57.15 2.250	-0.38 -0.015	1.60 0.063	62.2 2.449	1.8 0.071
65 2½	73.0 2.875	+0.74 +0.029 -0.74 -0.029	15.88 0.625	8.74 0.344	69.09 2.720	-0.46 -0.018	1.98 0.078	75.2 2.961	2.3 0.091
80 3	88.9 3.500	+0.76 +0.030 -0.76 -0.030	15.88 0.625	8.74 0.344	72.26 2.845	-0.46 -0.018	1.98 0.078	77.7 3.059	2.3 0.091
100 4	108.0 4.250	+0.89 +0.035 -0.79 -0.031	15.88 0.625	8.74 0.344	84.94 3.344	-0.46 -0.018	1.98 0.078	90.6 3.567	2.3 0.091
125 5	133.0 5.250	+1.07 +0.042 -0.79 -0.031	15.88 0.625	8.74 0.344	103.73 4.084	-0.51 -0.020	2.11 0.083	109.7 4.319	2.3 0.091
150 6	158.0 6.250	+1.14 +0.045 -0.79 -0.031	15.88 0.625	8.74 0.344	110.08 4.334	-0.51 -0.020	2.11 0.083	116.2 4.575	2.3 0.091
175 7	177.8 7.000	+1.32 +0.052 -0.79 -0.031	15.88 0.625	8.74 0.344	129.13 5.084	-0.51 -0.020	2.11 0.083	134.9 5.311	2.9 0.114
200 8	219.1 8.625	+1.40 +0.055 -0.79 -0.031	15.88 0.625	8.74 0.344	135.48 5.334	-0.51 -0.020	2.11 0.083	141.7 5.579	2.9 0.114
225 9	241.3 9.500	+1.42 +0.056 -0.79 -0.031	15.88 0.625	8.74 0.344	137.03 5.395	-0.56 -0.022	2.13 0.084	143.5 5.650	2.9 0.114
250 10	267.4 10.528	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	154.50 6.083	-0.56 -0.022	2.16 0.085	161.0 6.339	2.9 0.114
275 11	304.8 12.000	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	160.8 6.330	-0.56 -0.022	2.16 0.085	167.1 6.579	2.9 0.114
300 12	323.9 12.750	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	163.96 6.455	-0.56 -0.022	2.16 0.085	170.7 6.720	2.9 0.114
350 14	377.0 14.842	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	211.60 8.331	-0.64 -0.025	2.35 0.093	219.8 8.653	2.9 0.114
400 16	426.0 16.772	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	214.40 8.441	-0.64 -0.025	2.34 0.092	221.5 8.720	2.9 0.114
450 18	477.0 18.780	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	262.60 10.339	-0.69 -0.027	2.40 0.095	270.9 10.665	3.6 0.142
500 20	529.0 20.827	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	268.28 10.562	-0.69 -0.027	2.39 0.094	275.4 10.842	3.6 0.142
550 22	579.0 22.800	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	312.90 12.319	-0.76 -0.030	2.77 0.109	322.0 12.677	4.0 0.158
600 24	634.0 24.961	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	318.29 12.531	-0.76 -0.030	2.77 0.109	326.2 12.842	4.0 0.158
650 26	685.0 26.969	+1.60 +0.063 -0.79 -0.031	23.83 0.938	11.91 0.469	371.44 14.623	-0.76 -0.030	2.77 0.109	379.5 14.941	4.5 0.177
700 28	736.0 28.937	+1.60 +0.063 -0.79 -0.031	23.83 0.938	11.91 0.469	420.46 16.553	-0.76 -0.030	2.77 0.109	428.5 16.870	4.5 0.177
750 30	787.0 30.984	+1.60 +0.063 -0.79 -0.031	25.40 1.000	11.91 0.469	523.46 20.608	-0.76 -0.030	2.77 0.109	533.0 20.984	5.0 0.197

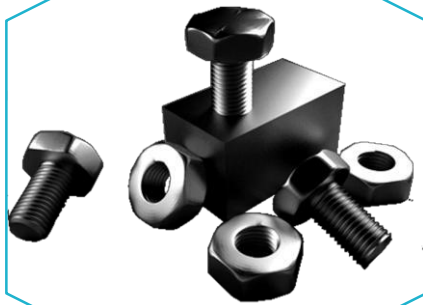
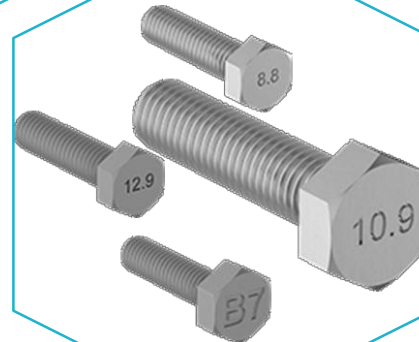


FASTENERS

BOLTS
NUT
WASHER -SPRING LOCK WASHER
STUD BOLT
PIN - RING - COPILOTT -RIVET SCREW
ANCHOR BOLT

6.8 QUALITY
8.8 QUALITY
10.9 QUALITY
12.9 QUALITY
A2-304
A4-316
B7 - 2H

PRODUCT QUALITIES



PRODUCT COATINGS

GALVANIZED COATING
DACROMENT COATING
GEOMET COATING
H.D.G HOT DIP GALVANIZED COATING
FOSVAT COATING

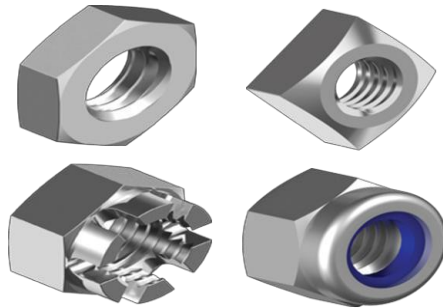


PIKARE INTERNATIONAL TRADE



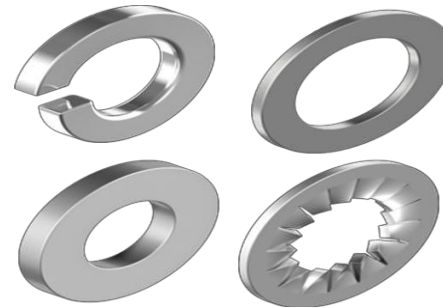
BOLTS

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



NUT

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



WASHER - SPLIT LOCK WASHER

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ANCHOR BOLT

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



PIN - RING - COPIL - RIVET

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



SCREW

- 4.6 QUALITY
- 4.8 QUALITY
- 6.8 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ANCHOR BOLT

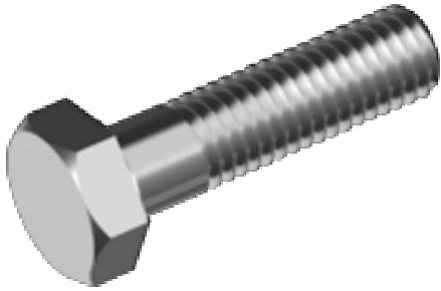
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ASTM A193 B7

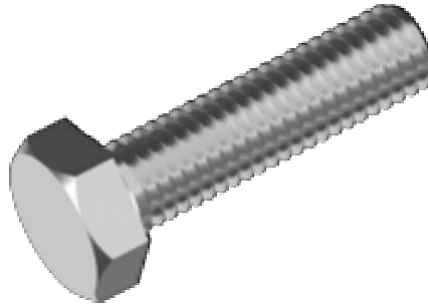
ASTM A194 2H

HEXAGON HEAD BOLTS



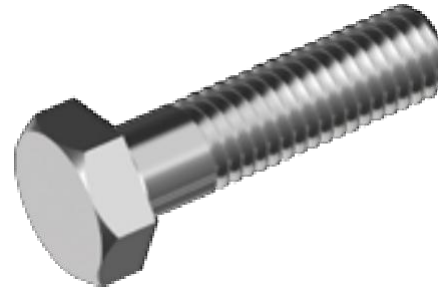
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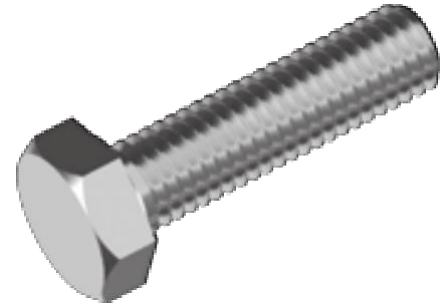
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- 10.9 QUALITY
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- A4 316 QUALITY



DIN 960

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 961

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



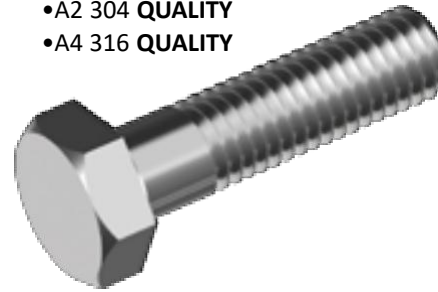
ASME B 18.2.1 Gr.5

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- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



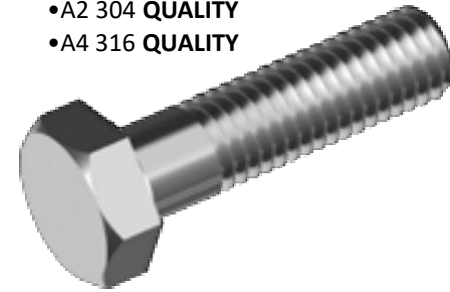
DIN 6921

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- 8.8 QUALITY
- 10.9 QUALITY
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- A4 316 QUALITY



DIN 6914

- 10.9 QUALITY

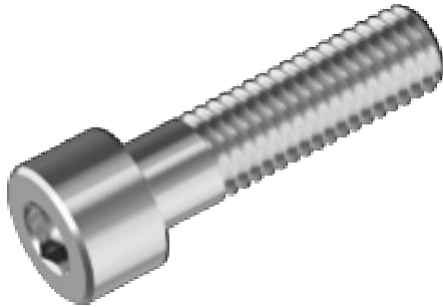


DIN 7990

- 8.8 QUALITY
- 10.9 QUALITY



HEXAGON SOCKET HEAD CAP SCREWS



DIN 912

- 8.8 QUALITY
- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 913

- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 914

- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 916

- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6912

- 8.8 QUALITY
- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7380

- 8.8 QUALITY
- 10 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7984

- 8.8 QUALITY
- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7991

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- 10 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY

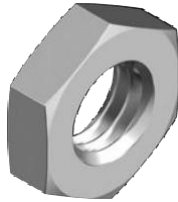


NUTS



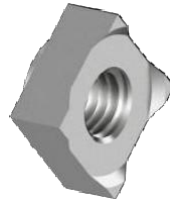
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- A4 316 QUALITY



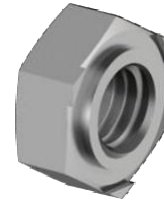
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DIN 928

- 6 QUALITY
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- A4 316 QUALITY



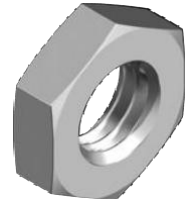
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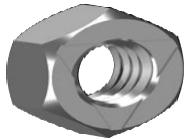
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- A2 304 QUALITY
- A4 316 QUALITY



DIN 936

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 980 V

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 982

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 985

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 1587

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 1624

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6915

- 10 QUALITY



DIN 6923

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6926

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6927

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



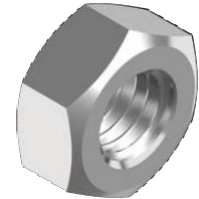
DIN 6330

- 6 QUALITY
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- A2 304 QUALITY
- A4 316 QUALITY



DIN 6334

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ASME.B.18.2.2

- 6 QUALITY
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- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY

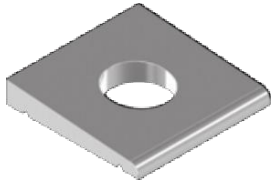


WASHER -SPRING LOCK WASHER



DIN 125

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 435

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 126

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6796

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 127/B

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6916

- 10 QUALITY



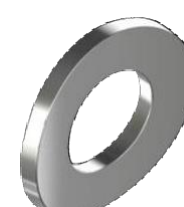
DIN 128/B

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



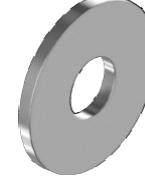
DIN 6798/A

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- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



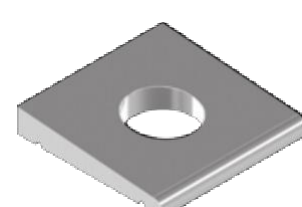
DIN 137

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 9021

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 434

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



INC WASHER

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



STUD BOLT



DIN 427

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



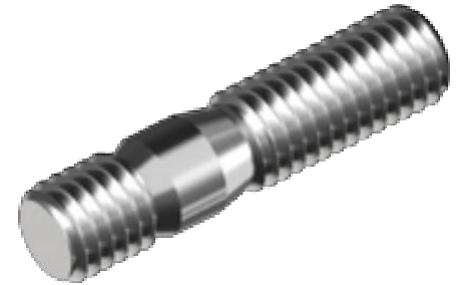
DIN 551

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 553

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 938-939

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 975

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 976

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 3570

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



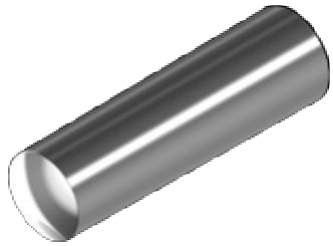
ASTM A193

- B7



PIKARE INTERNATIONAL TRADE

PIN - RING - COPIL - RIVET



DIN 1



DIN 7



DIN 1471



DIN 1472



DIN 1473



DIN 1474



DIN 1475



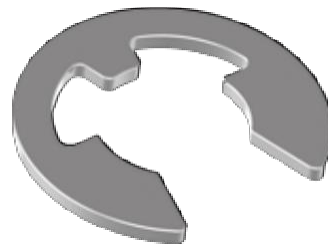
DIN 1476



DIN 471



DIN 472



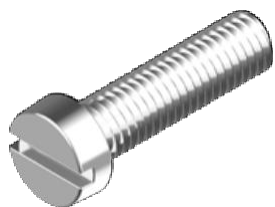
DIN 6799



RIVET



SCREWS



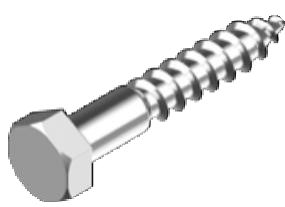
DIN 84

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 85

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 571

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 963

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 965

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 966

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504 P

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504N-Z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504 N

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504 K

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7505

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7971

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7981-h

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7981-z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7982-z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7982-h

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7985

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



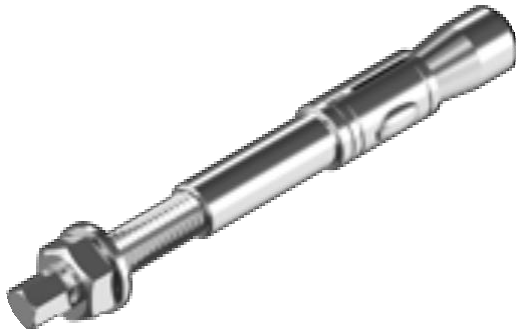
DIN 7983-z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



PIKARE INTERNATIONAL TRADE

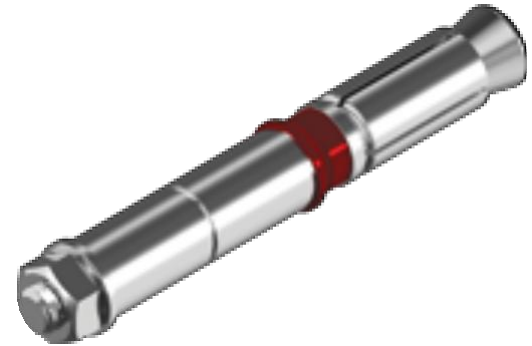
ANCHOR BOLT



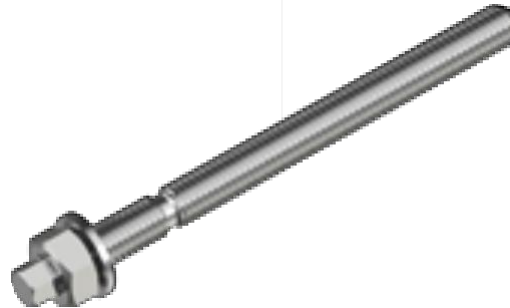
WEDGE IN
ANCHOR



S TYPE ANCHOR



HEAVY LOAD
ANCHOR



ANCHOR



TS EN 1092-1 Standard Flanges

Size	Flat Flanges (Tip 01)					Lap Joint Flanges (Tip 02)				
	€					€				
DN	PN6	PN10	PN16	PN25	PN40	PN6	PN10	PN16	PN25	PN40
15	2,16 €	2,16 €	2,16 €	2,16 €	2,16 €	2,07 €	2,17 €	2,17 €	2,17 €	2,17 €
20	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	2,48 €	2,48 €	2,48 €	2,48 €
25	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €
32	3,00 €	3,56 €	3,56 €	3,56 €	3,56 €	3,31 €	3,82 €	3,82 €	3,82 €	3,82 €
40	3,31 €	3,92 €	3,92 €	3,92 €	3,92 €	3,62 €	4,34 €	4,34 €	4,34 €	4,34 €
50	4,13 €	5,16 €	5,16 €	6,20 €	6,20 €	4,65 €	5,78 €	5,78 €	5,78 €	5,78 €
65	5,01 €	6,46 €	6,46 €	8,78 €	8,78 €	5,57 €	7,23 €	7,33 €	8,67 €	8,67 €
80	7,08 €	7,54 €	7,54 €	9,55 €	9,55 €	7,23 €	8,36 €	8,36 €	10,63 €	10,63 €
100	7,49 €	8,26 €	8,26 €	12,39 €	12,39 €	8,36 €	9,19 €	9,19 €	13,73 €	13,73 €
125	9,81 €	10,17 €	10,17 €	18,32 €	18,32 €	10,94 €	11,25 €	11,25 €	20,23 €	20,23 €
150	11,62 €	14,45 €	14,45 €	21,41 €	21,41 €	12,91 €	16,00 €	16,00 €	23,64 €	23,64 €
200	17,14 €	18,68 €	18,68 €	33,55 €	38,44 €	18,17 €	21,77 €	21,77 €	37,98 €	43,45 €
250	30,45 €	33,02 €	35,61 €	51,60 €	61,92 €	33,44 €	36,33 €	40,36 €	57,90 €	69,25 €
300	39,63 €	41,69 €	46,44 €	86,99 €	120,75 €	43,14 €	44,28 €	51,40 €	96,80 €	133,95 €
350	52,32 €	59,03 €	69,14 €	127,97 €	163,05 €	58,72 €	66,16 €	78,23 €	142,93 €	182,56 €
400	70,59 €	79,98 €	94,22 €	190,91 €	245,60 €	77,71 €	88,14 €	103,71 €	210,11 €	272,33 €
450	83,80 €	105,27 €	124,87 €	241,48 €	278,63 €	92,67 €	116,93 €	140,55 €	269,86 €	313,82 €
500	105,88 €	138,08 €	172,85 €	268,32 €	299,27 €	116,62 €	152,01 €	190,19 €	298,34 €	335,49 €
550	124,25 €	191,95 €	240,44 €			137,77 €	212,27 €	266,66 €		
600	135,19 €	213,10 €	283,79 €	371,50 €	412,78 €	150,87 €	236,63 €	314,34 €	410,83 €	458,29 €



Flat Flange
Tip01



Lap Joint Flange
Tip02

TS EN 1092-1 Standard Flanges

Size	Blind Flanges (Tip 05) €				
DN	PN6	PN10	PN16	PN25	PN40
15	3,10 €	3,10 €	3,10 €	3,10 €	3,10 €
20	3,36 €	3,36 €	3,36 €	3,36 €	334,75 €
25	4,13 €	4,13 €	4,13 €	4,13 €	4,13 €
32	4,44 €	4,44 €	4,44 €	4,90 €	4,90 €
40	4,85 €	4,90 €	4,90 €	5,42 €	5,42 €
50	5,68 €	6,20 €	6,20 €	7,23 €	7,23 €
65	6,72 €	7,23 €	7,23 €	10,11 €	10,11 €
80	8,78 €	9,29 €	9,29 €	12,80 €	12,80 €
100	9,81 €	10,32 €	10,32 €	17,55 €	17,55 €
125	11,98 €	13,42 €	13,42 €	25,29 €	25,29 €
150	15,48 €	18,07 €	18,07 €	31,48 €	31,48 €
200	23,74 €	26,83 €	26,83 €	46,44 €	57,79 €
250	43,34 €	47,47 €	49,53 €	77,40 €	90,82 €
300	61,92 €	65,01 €	65,01 €	103,20 €	140,35 €
350	77,40 €	82,56 €	95,98 €	154,80 €	206,39 €
400	102,17 €	107,33 €	134,16 €	206,39 €	289,99 €
450	113,52 €	113,52 €	142,41 €	239,41 €	330,23 €
500	156,86 €	165,12 €	206,39 €	299,27 €	412,78 €
550	175,44 €	180,59 €	247,67 €		
600	211,55 €	221,87 €	265,21 €	412,78 €	557,25 €



Blind Flange



DIN Norm Flanges

Size	Flat Flange / Lap Joint Flange					Blind Flange				
	€					€				
DN	PN6	PN10	PN16	PN25	PN40	PN6	PN10	PN16	PN25	PN40
15	2,07 €	2,07 €	2,07 €	2,07 €	2,07 €	3,10 €	3,10 €	3,10 €	3,10 €	3,10 €
20	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	3,36 €	3,36 €	3,36 €	3,36 €	3,36 €
25	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	4,13 €	4,13 €	4,13 €	4,13 €	4,13 €
32	3,00 €	3,56 €	3,56 €	3,56 €	3,56 €	4,44 €	4,44 €	4,44 €	4,90 €	4,90 €
40	3,31 €	3,92 €	3,92 €	3,92 €	3,92 €	4,85 €	4,90 €	4,90 €	5,42 €	5,42 €
50	4,03 €	4,95 €	4,95 €	6,08 €	6,08 €	5,68 €	6,20 €	6,20 €	7,23 €	7,23 €
65	4,75 €	6,10 €	6,10 €	8,78 €	8,78 €	6,72 €	7,23 €	7,23 €	10,11 €	10,11 €
80	6,61 €	7,54 €	7,54 €	9,55 €	9,55 €	8,78 €	9,29 €	9,29 €	12,80 €	12,80 €
100	7,18 €	7,85 €	7,85 €	11,67 €	11,67 €	9,81 €	10,32 €	10,32 €	17,55 €	17,55 €
125	9,70 €	10,53 €	10,53 €	17,11 €	17,11 €	11,98 €	13,42 €	13,42 €	25,29 €	25,29 €
150	11,62 €	13,42 €	13,42 €	21,41 €	21,41 €	15,48 €	18,07 €	18,07 €	31,48 €	31,48 €
200	16,10 €	18,68 €	18,68 €	31,99 €	36,02 €	23,74 €	26,83 €	26,83 €	46,44 €	57,79 €
250	29,73 €	33,02 €	34,47 €	50,57 €	54,18 €	43,34 €	47,47 €	49,53 €	77,40 €	90,82 €
300	39,63 €	41,69 €	45,21 €	69,14 €	96,80 €	61,92 €	67,08 €	65,01 €	103,20 €	140,35 €
350	50,99 €	54,49 €	56,35 €	98,04 €	133,33 €	77,40 €	82,56 €	95,98 €	154,80 €	206,39 €
400	59,85 €	62,95 €	74,10 €	133,64 €	203,30 €	102,17 €	107,33 €	134,16 €	206,39 €	289,99 €
450	69,66 €	87,98 €	89,79 €	147,05 €	231,16 €	108,36 €	113,52 €	142,41 €	239,41 €	330,23 €
500	88,76 €	99,08 €	133,33 €	221,87 €	293,24 €	156,86 €	165,12 €	206,39 €	299,27 €	412,78 €
550		113,52 €	148,61 €			170,28 €	180,59 €	247,67 €		
600	111,46 €	133,64 €	166,15 €	320,94 €	529,39 €	211,55 €	221,87 €	265,73 €	412,78 €	557,25 €



Flat Flange



Lap Joint Flange



Blind Flange

TS 10253-1 and ANSI B 16.9 Standard 90° Elbows

Size			TS10253-1 / DIN2605 €			ANSI B16.9 €			
DN	mm	INC (")	mm	DİKİŞLİ	DİKİŞSİZ	mm	SCH40	mm	SCH80
15	21,3	½"	2	0,29 €	0,57 €				
20	26,9	¾"	2,3	0,29 €	0,57 €				
25	33,7	1"	2,6	0,32 €	0,73 €	3,4	0,77 €	4,5	1,71 €
	38		2,6			3,4	0,77 €		
32	42,4	1¼"	2,6	0,46 €	0,77 €	3,6	0,81 €	4,8	1,76 €
40	48,3	1½"	2,6	0,59 €	0,96 €	3,6	1,02 €	5	1,86 €
	51		2,6	0,75 €	1,47 €	3,6	1,62 €		
	57		2,9	0,75 €	1,47 €	4	1,62 €	5,6	
50	60,3	2"	2,9	0,75 €	1,47 €	4	1,62 €	5,6	1,97 €
	70		2,9	1,30 €	2,74 €				
65	76,1	2½"	2,9	1,30 €	2,74 €	5	2,89 €	7	3,82 €
80	88,9	3"	3,2	1,71 €	3,62 €	5,5	3,77 €	7,6	6,30 €
	101,6		3,6	3,20 €	6,36 €				
	108		3,6	3,20 €	6,36 €	6,2	7,02 €		
100	114,3	4"	3,6	3,20 €	6,36 €	6,2	7,02 €	8,5	10,48 €
	133		4	5,57 €	10,63 €	6,3	11,45 €		
125	139,7	5"	4	5,57 €	10,63 €	6,3	11,45 €	9,5	19,41 €
	152		4,5	7,64 €	16,72 €				
	159		4,5	7,64 €	16,72 €	7,1	17,96 €		
150	168,3	6"	4,5	7,64 €	16,72 €	7,1	17,96 €	11	34,62 €
200	219,1	8"	4,5	15,07 €	35,09 €	8,2	37,15 €	12,7	63,11 €
	244,5		6,3	40,25 €	59,85 €				
250	273	10"	6,3	40,25 €	59,85 €	9,3	65,53 €		

