

Connections for industry, HVAC & waterworks

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What's new!

Malleable cast iron threaded fittings - S-First



p. 220

Stainless steel Welding cam-lock couplings



p. 278

NEW Malleable cast iron threaded fittings - S-First



Manufacturing acc. to EN 10242 - Use: cold water, hot water, heating, fire network, sprinklers, hydrocarbons, compressed air, steam - Material acc. to EN 1562: malleable cast iron EN-GJMB-350-10, A design - Coating: black or hot-dipped galvanised - Galvanised coating for drinking water compatibility - BSP thread acc. to ISO 7-1 - PS: 1/8" to 3/4", 25 bar up to 120°C, 20 bar above; 1" and above, 20 bar up to 120°C, 16 bar above - TS: -20°C/+300°C.



1 - 90° long sweep bend male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	001008N	001012N	001015N	001020N	001026N	-	001040N	001050N	-	-	-
galv. code	001008G	001012G	001015G	001020G	001026G	001033G	001040G	001050G	001066G	001080G	001102G

2 - 90° long sweep bend female/female



Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	1	1	1	1	1	1
black code	002015N	002020N	002026N	-	-	-	-	-	-
galv. code	002015G	002020G	002026G	002033G	002040G	002050G	002066G	002080G	002102G

3 - 90° long sweep bend male/male



Ø	1"	1"1/2"
pack	10	1
galv. code	003026G	003040G

94 - 90° equal elbow male/male



Ø	1/2"	3/4"
pack	1	1
black code	094015N	094020N

40 - 45° long sweep bend male/female



Ø	2"	2"1/2"	3"
pack	1	1	1
black code	-	-	040080N
galv. code	040050G	040066G	-

41 - 45° long sweep bend female/female



Ø	1"1/2"	2"1/2"
pack	1	1
galv. code	041040G	041066G

90 - 90° equal elbow female/female



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1
black code	090012N	090015N	090020N	090026N	090033N	090040N	090050N	-	-	-
galv. code	090012G	090015G	090020G	090026G	090033G	090040G	090050G	090066G	090080G	090102G

92 - 90° equal elbow male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	092008N	092012N	092015N	092020N	092026N	092033N	092040N	092050N	092066N	092080N	-
galv. code	092008G	092012G	092015G	092020G	092026G	092033G	092040G	092050G	092066G	092080G	092102G

96 - 90° union elbow conical bearing female/female



Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	1	1	1
black code	096015N	096020N	096026N	096033N	096040N	096050N
galv. code	096015G	096020G	096026G	096033G	096040G	096050G



98 - 90° union elbow conical bearing male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	1	1	10	10	10	1	1	1
black code	-	-	098015N	098020N	098026N	098033N	098040N	098050N
galv. code	098008G	098012G	098015G	098020G	098026G	098033G	098040G	098050G



120 - 45° equal elbow female/female

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	1	1	1	1	1	1
galv. code	120015G	120020G	120026G	120033G	120040G	120050G



121 - 45° equal elbow male/female

Ø	2"	3"
pack	1	1
galv. code	121050G	121080G



130 - Equal tee female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	130008N	130012N	130015N	130020N	130026N	130033N	130040N	130050N	-	-	-
galv. code	130008G	130012G	130015G	130020G	130026G	130033G	130040G	130050G	130066G	130080G	130102G



130R - Reducing tee female 1=3>2

Ø	1"-1/2-1"	1"1/4-1/2"-1"1/4"	1"1/2-1/2"-1"1/2"	1"1/2-1"-1"1/2"	2"-1"-2"	2"1/2-1"1/2-2"1/2"
pack	1	1	1	1	1	1
black code	130026015026N	130033015033N	130040015040N	130040026040N	130050026050N	-
galv. code	130026015026G	-	130040015040G	130040026040G	-	130066040066G



131 - Equal pitcher tee female

Ø	3/4"
pack	1
galv. code	131020G



180 - Equal cross female

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	1	1	1	1	1	1	1	1
galv. code	180015G	180020G	180026G	180033G	180040G	180050G	180066G	180080G



240 - Reducing socket

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4-3/4"
pack	10	10	10	10	10	10	10	10	1
black code	-	240012008N	-	240015012N	240020012N	240020015N	240026015N	240026020N	-
galv. code	240008005G	240012008G	240015008G	240015012G	240020012G	240020015G	240026015G	240026020G	240033020G
Ø	1"1/4-1"	1"1/2-3/4"	1"1/2-1"	1"1/2-1"1/4	2"-1"	2"-1"1/4	2"-1"1/2	2"1/2-1"1/2	2"1/2-2"
pack	1	1	1	1	1	1	1	1	1
black code	240033026N	240040020N	240040026N	240040033N	240050026N	240050033N	240050040N	-	240066050N
galv. code	240033026G	240040020G	240040026G	240040033G	240050026G	240050033G	240050040G	240066040G	240066050G
Ø	3"-1"1/2	3"-2"	3"-2"1/2	4"-2"1/2					
pack	1	1	1	1					
galv. code	240080040G	240080050G	240080066G	240102066G					



241 - Reducing bush

Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/8"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"
pack	10	10	10	10	10	10	10	10	10
black code	-	-	241012008N	-	241015008N	241015012N	-	241020012N	241020015N
galv. code	241008005G	241012005G	241012008G	241015005G	241015008G	241015012G	241020008G	241020012G	241020015G
Ø	1"-3/8"	1"-1/2"	1"-3/4"	1"1/4-1/2"	1"1/4-3/4"	1"1/4-1"	1"1/2-3/8"	1"1/2-1/2"	1"1/2-3/4"
pack	10	10	10	1	1	1	1	1	1
black code	241026012N	241026015N	241026020N	241033015N	241033020N	241033026N	241040012N	241040015N	241040020N
galv. code	241026012G	241026015G	241026020G	241033015G	241033020G	241033026G	-	241040015G	241040020G
Ø	1"1/2-1"	1"1/2-1"1/4"	2"-1/2"	2"-3/4"	2"-1"	2"-1"1/4"	2"-1"1/2"	2"1/2-1"	2"1/2-1"1/2"
pack	1	1	1	1	1	1	1	1	1
black code	241040026N	241040033N	-	241050020N	241050026N	241050033N	241050040N	-	241066040N
galv. code	241040026G	241040033G	241050015G	241050020G	241050026G	241050033G	241050040G	241066026G	241066040G
Ø	2"1/2-2"	3"-1"1/2"	3"-2"	3"-2"1/2"	4"-2"1/2"	4"-3"			
pack	1	1	1	1	1	1			
black code	241066050N	-	-	-	-	-			
galv. code	241066050G	241080040G	241080050G	241080066G	241102066G	241102080G			



245 - Reducing hexagonal nipple male

Ø	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4-1/2"
pack	10	10	10	10	10	10	10	10	1
black code	245012008N	245015008N	245015012N	-	-	245020015N	245026015N	245026020N	-
galv. code	245012008G	245015008G	245015012G	245020008G	245020012G	245020015G	245026015G	245026020G	245033015G
Ø	1"1/4-3/4"	1"1/4-1"	1"1/2-3/4"	1"1/2-1"	1"1/2-1"1/4"	2"-1"	2"-1"1/4"	2"-1"1/2"	2"1/2-1"1/2"
pack	1	1	1	1	1	1	1	1	1
black code	245033020N	245033026N	-	245040026N	245040033N	245050026N	245050033N	245050040N	-
galv. code	245033020G	245033026G	245040020G	245040026G	245040033G	245050026G	245050033G	245050040G	245066040G
Ø	2"1/2-2"	3"-2"	3"-2"1/2"						
pack	1	1	1						
galv. code	245066050G	245080050G	245080066G						



246 - Reducing socket female>male

Ø	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4-1/2"	1"1/4-3/4"	1"1/4-1"
pack	10	10	10	10	10	10	1	1	1
black code	246015008N	246015012N	-	246020015N	246026015N	246026020N	-	246033020N	-
galv. code	246015008G	246015012G	246020012G	246020015G	246026015G	246026020G	246033015G	246033020G	246033026G
Ø	1"1/2-3/4"	1"1/2-1"	1"1/2-1"1/4"	2"-1"	2"-1"1/4"	2"-1"1/2"	2"1/2-2"	3"-2"	3"-2"1/2"
pack	1	1	1	1	1	1	1	1	1
black code	-	246040026N	246040033N	-	246050033N	246050040N	-	-	-
galv. code	246040020G	246040026G	246040033G	246050026G	246050033G	246050040G	246066050G	246080050G	246080066G



270 - Equal socket

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	270008N	270012N	270015N	270020N	270026N	270033N	270040N	270050N	-	-	-
galv. code	270008G	270012G	270015G	270020G	270026G	270033G	270040G	270050G	270066G	270080G	270102G



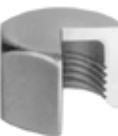
280 - Hexagonal nipple

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	280008N	280012N	280015N	280020N	280026N	280033N	280040N	280050N	280066N	280080N	-
galv. code	280008G	280012G	280015G	280020G	280026G	280033G	280040G	280050G	280066G	280080G	280102G



290 - Beaded square head plug

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	290008N	290012N	290015N	290020N	290026N	290033N	290040N	290050N	-	-	-
galv. code	290008G	290012G	290015G	290020G	290026G	290033G	290040G	290050G	290066G	290080G	290102G



300 - Hexagonal cap

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	10	10	10	1	1	1	1	1	1
black code	-	300008N	300012N	300015N	300020N	300026N	300033N	300040N	300050N	300066N	-	-
galv. code	300005G	300008G	300012G	300015G	300020G	300026G	300033G	300040G	300050G	300066G	300080G	300102G



330 - Equal union flat bearing female

Supplied without gasket. See gaskets p. 234.

Ø	1"	1"1/4	1"1/2	2"	2"1/2	3"
pack	10	1	1	1	1	1
galv. code	330026G	330033G	330040G	330050G	330066G	330080G



331 - Equal union flat bearing male/female

Supplied without gasket. See gaskets p. 234.

Ø	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	1	1	1
galv. code	331020G	331026G	331033G	331040G	331050G



529A - Socket male/female

Ø	1"	1"1/4	1"1/2	2"
pack	10	1	1	1
galv. code	529A026G	529A033G	529A040G	529A050G



340 - Equal union conical bearing female

Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
pack	10	10	10	10	1	1	1	1	1
black code	340012N	340015N	340020N	340026N	340033N	340040N	340050N	340066N	-
galv. code	340012G	340015G	340020G	340026G	340033G	340040G	340050G	340066G	340080G



341 - Equal union conical bearing male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	341008N	341012N	341015N	341020N	341026N	341033N	341040N	341050N	341066N	341080N	-
galv. code	-	341012G	341015G	341020G	341026G	341033G	341040G	341050G	341066G	341080G	341102G

Malleable cast iron fittings

Malleable cast iron threaded fittings



Manufacturing acc. to EN 10242 - Use: cold water, hot water, heating, fire network, sprinklers, hydrocarbons, compressed air, steam - Material acc. to EN 1562: malleable cast iron EN-GJMB-350-10 or EN-GJMW-400-5, A design - Coating: black or hot-dipped galvanised - Galvanised coating for drinking water compatibility (DVGW approval on galvanised range) - BSP thread acc. to ISO 7-1 - PS: 1/8" to 3/4", 25 bar up to 120°C, 20 bar above; 1" and above, 20 bar up to 120°C, 16 bar above - TS: -20°C/+300°C.



1 - 90° long sweep bend male/female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1	1	1
black code	SF1N5	SF1N8	SF1N12	SF1N15	SF1N20	SF1N26	SF1N33	SF1N40	SF1N50	SF1N66	SF1N80	SF1N102
galv. code	SF1G5	SF1G8	SF1G12	SF1G15	SF1G20	SF1G26	SF1G33	SF1G40	SF1G50	SF1G66	SF1G80	SF1G102



1A - 90° short bend male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1	1
black code	SF1AN8	SF1AN12	SF1AN15	SF1AN20	SF1AN26	SF1AN33	SF1AN40	SF1AN50	SF1AN66	SF1AN80	SF1AN102
galv. code	SF1AG8	SF1AG12	SF1AG15	SF1AG20	SF1AG26	SF1AG33	SF1AG40	SF1AG50	SF1AG66	SF1AG80	SF1AG102



2 - 90° long sweep bend female/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	5	1	1	1	1	1	1	1
black code	SF2N8	SF2N12	SF2N15	SF2N20	SF2N26	SF2N33	SF2N40	SF2N50	SF2N66	SF2N80	SF2N102
galv. code	SF2G8	SF2G12	SF2G15	SF2G20	SF2G26	SF2G33	SF2G40	SF2G50	SF2G66	SF2G80	SF2G102



2A - 90° short bend female/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1	1
black code	SF2AN8	SF2AN12	SF2AN15	SF2AN20	SF2AN26	SF2AN33	SF2AN40	SF2AN50	SF2AN66	SF2AN80	SF2AN102
galv. code	SF2AG8	SF2AG12	SF2AG15	SF2AG20	SF2AG26	SF2AG33	SF2AG40	SF2AG50	SF2AG66	SF2AG80	SF2AG102



3 - 90° long sweep bend male/male

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	5	1	1	1	1	1	1	1
black code	SF3N8	SF3N12	SF3N15	SF3N20	SF3N26	SF3N33	SF3N40	SF3N50	SF3N66	SF3N80	SF3N102
galv. code	SF3G8	SF3G12	SF3G15	SF3G20	SF3G26	SF3G33	SF3G40	SF3G50	SF3G66	SF3G80	SF3G102



40 - 45° long sweep bend male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	5	1	1	1	1	1	1
black code	SF40N8	SF40N12	SF40N15	SF40N20	SF40N26	SF40N33	SF40N40	SF40N50	SF40N66	SF40N80	SF40N102
galv. code	SF40G8	SF40G12	SF40G15	SF40G20	SF40G26	SF40G33	SF40G40	SF40G50	SF40G66	SF40G80	SF40G102





41 - 45° long sweep bend female/female

Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	5	1	1	1	1	1	1
black code	SF41N12	SF41N15	SF41N20	SF41N26	SF41N33	SF41N40	SF41N50	SF41N66	SF41N80	-
galv. code	SF41G12	SF41G15	SF41G20	SF41G26	SF41G33	SF41G40	SF41G50	SF41G66	SF41G80	SF41G102



60 - 180° return bend female/female

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	1	1	1	1	1	1
black code	SF60N15	SF60N20	SF60N26	SF60N33	SF60N40	SF60N50
galv. code	SF60G15	SF60G20	SF60G26	SF60G33	SF60G40	SF60G50



85 - Crossover female/female

Ø	1/2"	1/2-3/4"	3/4"	1"
pack	1	1	1	1
black code	SF85N15	SF85N1520	SF85N20	SF85N26
galv. code	SF85G15	SF85G1520	SF85G20	SF85G26



90 - 90° equal elbow female/female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	1	1	1	1	1	1
black code	SF90N5	SF90N8	SF90N12	SF90N15	SF90N20	SF90N26	SF90N33	SF90N40	SF90N50	SF90N66	SF90N80	SF90N102
galv. code	SF90G5	SF90G8	SF90G12	SF90G15	SF90G20	SF90G26	SF90G33	SF90G40	SF90G50	SF90G66	SF90G80	SF90G102



90R - 90° reducing elbow female/female

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-3/8"	1"-1/2"	1"-3/4"	1 1/4"-1/2"	1 1/4"-3/4"	1 1/4"-1"
pack	10	10	10	10	10	10	10	10	10	1	1	1
black code	SF90N85	SF90N128	SF90N158	SF90N1512	SF90N2012	SF90N2015	SF90N2612	SF90N2615	SF90N2620	SF90N3315	SF90N3320	SF90N3326
galv. code	SF90G85	SF90G128	SF90G158	SF90G1512	SF90G2012	SF90G2015	SF90G2612	SF90G2615	SF90G2620	SF90G3315	SF90G3320	SF90G3326

Ø	1 1/2"-3/4"	1 1/2"-1"	1 1/2"-1 1/4"	2"-1"	2"-1 1/4"	2"-1 1/2"	2 1/2"-2"
pack	1	1	1	1	1	1	1
black code	SF90N4020	SF90N4026	SF90N4033	SF90N5026	SF90N5033	SF90N5040	SF90N6650
galv. code	SF90G4020	SF90G4026	SF90G4033	SF90G5026	SF90G5033	SF90G5040	SF90G6650



92 - 90° equal street elbow male/female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	1	1	1	1	1	1
black code	SF92N5	SF92N8	SF92N12	SF92N15	SF92N20	SF92N26	SF92N33	SF92N40	SF92N50	SF92N66	SF92N80	SF92N102
galv. code	SF92G5	SF92G8	SF92G12	SF92G15	SF92G20	SF92G26	SF92G33	SF92G40	SF92G50	SF92G66	SF92G80	SF92G102



92R - 90° reducing street elbow female>male

Ø	1/2"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4-3/4"	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"
pack	10	10	10	10	1	1	1	1
black code	SF92N1512	SF92N2015	SF92N2615	SF92N2620	-	SF92N3326	SF92N4026	SF92N4033
galv. code	SF92G1512	SF92G2015	SF92G2615	SF92G2620	SF92G3320	SF92G3326	SF92G4026	SF92G4033



92R - 90° reducing street elbow male>female

Ø	3/8"-1/2"	1/2"-3/4"	3/4"-1"
pack	10	10	10
black code	SF92N1215	SF92N1520	SF92N2026
galv. code	SF92G1215	SF92G1520	SF92G2026



94 - 90° equal elbow male/male

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	1	10	10	10	1	1	1
black code	SF94N12	SF94N15	SF94N20	SF94N26	SF94N33	SF94N40	SF94N50
galv. code	SF94G12	SF94G15	SF94G20	SF94G26	SF94G33	SF94G40	SF94G50



95 - 90° union elbow flat bearing female/female

Supplied without gasket. For fiber gaskets, see page 234.

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	1	1	1	1	1	1	1
black code	SF95N12	SF95N15	SF95N20	SF95N26	SF95N33	SF95N40	SF95N50
galv. code	SF95G12	SF95G15	SF95G20	SF95G26	SF95G33	SF95G40	SF95G50



96 - 90° union elbow conical bearing female/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	10	10	10	5	1	1	1	1	1	1
black code	SF96N8	SF96N12	SF96N15	SF96N20	SF96N26	SF96N33	SF96N40	SF96N50	SF96N66	SF96N80
galv. code	SF96G8	SF96G12	SF96G15	SF96G20	SF96G26	SF96G33	SF96G40	SF96G50	SF96G66	SF96G80



97 - 90° union elbow flat bearing male/female

Supplied without gasket. For fiber gaskets, see page 234.

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	1	10	1	1	1	1	1
black code	SF97N12	SF97N15	SF97N20	SF97N26	SF97N33	SF97N40	SF97N50
galv. code	SF97G12	SF97G15	SF97G20	SF97G26	SF97G33	SF97G40	SF97G50



98 - 90° union elbow conical bearing male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	1	1	5	1	1	1	1	1	1	1
black code	SF98N8	SF98N12	SF98N15	SF98N20	SF98N26	SF98N33	SF98N40	SF98N50	SF98N66	SF98N80
galv. code	SF98G8	SF98G12	SF98G15	SF98G20	SF98G26	SF98G33	SF98G40	SF98G50	SF98G66	SF98G80



120 - 45° equal elbow female/female

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1
black code	SF120N12	SF120N15	SF120N20	SF120N26	SF120N33	SF120N40	SF120N50	SF120N66	SF120N80	SF120N102
galv. code	SF120G12	SF120G15	SF120G20	SF120G26	SF120G33	SF120G40	SF120G50	SF120G66	SF120G80	SF120G102

121 - 45° equal elbow male/female



Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
pack	10	10	10	10	1	1	1	1	1
black code	SF121N12	SF121N15	SF121N20	SF121N26	SF121N33	SF121N40	SF121N50	SF121N66	SF121N80
galv. code	SF121G12	SF121G15	SF121G20	SF121G26	SF121G33	SF121G40	SF121G50	SF121G66	SF121G80

130 - Equal tee female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
pack	10	10	10	10	10	5	1	1	1	1	1	1	1
black code	SF130N5	SF130N8	SF130N12	SF130N15	SF130N20	SF130N26	SF130N33	SF130N40	SF130N50	SF130N66	SF130N80	SF130N102	SF130N150
galv. code	SF130G5	SF130G8	SF130G12	SF130G15	SF130G20	SF130G26	SF130G33	SF130G40	SF130G50	SF130G66	SF130G80	SF130G102	SF130G150

130R - Reducing tee female 1=3<2



Ø	3/8"-1/2"-3/8"	1/2"-3/4"-1/2"	1/2"-1"-1/2"	3/4"-1"-3/4"	1"-1 1/4"-1"	1"-1 1/2"-1"	1 1/4"-1 1/2"-1 1/4"	1 1/4"-2"-1 1/4"	1 1/2"-2"-1 1/2"	2"-2 1/2"-2"
pack	10	10	10	10	1	1	1	1	1	1
black code	SF130N121512	SF130N152015	SF130N152615	SF130N202620	SF130N263326	SF130N264026	SF130N334033	SF130N335033	SF130N405040	SF130N506650
galv. code	SF130G121512	SF130G152015	SF130G152615	SF130G202620	SF130G263326	SF130G264026	SF130G334033	SF130G335033	SF130G405040	SF130G506650

130R - Reducing tee female 1=3>2



Ø	3/8 "-1/4"-3/8"	1/2"-1/4"-1/2"	1/2"-3/8"-1/2"	3/4"-1/4"-3/4"	3/4"-3/8"-3/4"	3/4" x1/2"-3/4"	1"-1/4"-1"	1"-3/8"-1"	1"-1/2 "-1"
pack	10	10	10	10	10	10	10	10	10
black code	SF130N128	SF130N158	SF130N1512	SF130N208	SF130N2012	SF130N2015	SF130N268	SF130N2612	SF130N2615
galv. code	SF130G128	SF130G158	SF130G1512	SF130G208	SF130G2012	SF130G2015	SF130G268	SF130G2612	SF130G2615
Ø	1"-3/4"-1"	1"1/4-3/8"-1"1/4	1"1/4-1/2"-1"1/4	1"1/4-3/4"-1"1/4	1"1/4-1"-1"1/4	1"1/2-3/8"-1"1/2	1"1/2-1/2"-1"1/2	1"1/2-3/4"-1"1/2	1"1/2-1"-1"1/2
pack	10	1	1	1	1	1	1	1	1
black code	SF130N2620	SF130N3312	SF130N3315	SF130N3320	SF130N3326	SF130N4012	SF130N4015	SF130N4020	SF130N4026
galv. code	SF130G2620	SF130G3312	SF130G3315	SF130G3320	SF130G3326	SF130G4012	SF130G4015	SF130G4020	SF130G4026
Ø	1"1/2-1"1/4-4-1"1/2	2"-1/2"-2"	2"-3/4"-2"	2"-1"-2"	2"-1"1/4-2"	2"-1"1/2-2"	2"1/2-1/2"-2"1/2	2"1/2-3/4"-2"1/2	2"1/2-1"-2"1/2
pack	1	1	1	1	1	1	1	1	1
black code	SF130N4033	SF130N5015	SF130N5020	SF130N5026	SF130N5033	SF130N5040	SF130N6615	SF130N6620	SF130N6626
galv. code	SF130G4033	SF130G5015	SF130G5020	SF130G5026	SF130G5033	SF130G5040	SF130G6615	SF130G6620	SF130G6626
Ø	2"1/2-1"1/4-4-2"1/2	2"1/2-1"1/2-2-2"1/2	2"1/2-2"-2"1/2	3"-3/4"-3"	3"-1"-3"	3"-1"1/4-3"	3"-1"1/2-3"	3"-2"-3"	3"-2"1/2-3"
pack	1	1	1	1	1	1	1	1	1
black code	SF130N6633	SF130N6640	SF130N6650	SF130N8020	SF130N8026	SF130N8033	SF130N8040	SF130N8050	SF130N8066
galv. code	SF130G6633	SF130G6640	SF130G6650	SF130G8020	SF130G8026	SF130G8033	SF130G8040	SF130G8050	SF130G8066
Ø	4"-1"1/2-4"	4"-2"-4"	4"-2"1/2-4"	4"-3"-4"					
pack	1	1	1	1					
black code	SF130N10240	SF130N10250	SF130N10266	SF130N10280					
galv. code	SF130G10240	SF130G10250	SF130G10266	SF130G10280					

130R - Reducing tee female 1>2=3



Ø	1/2"-3/8"-3/8"	3/4"-1/2"-1/2"	1"-1/2"-1/2"	1"-3/4"-3/4"	1 1/4"-3/4"-3/4"	1 1/4"-1"-1"	1 1/2"-1"-1"	1 1/2"-1 1/4"-1 1/4"	2"-1 1/4"-1 1/4"	2 1/2"-1/2"-1 1/2"	2 1/2"-2"-2"	3"-2"-2"
pack	10	10	10	10	1	1	1	1	1	1	1	1
black code	SF130N151212	SF130N201515	SF130N261515	SF130N262020	SF130N332020	SF130N332626	SF130N402626	SF130N403333	SF130N503333	SF130N504040	-	-
galv. code	SF130G151212	SF130G201515	SF130G261515	SF130G262020	SF130G332020	SF130G332626	SF130G402626	SF130G403333	SF130G503333	SF130G504040	SF130G665050	SF130G805050



130R - Reducing tee female 1=2>3

Ø	1/2"-1/2"-3/8"	3/4"-3/4"-3/8"	3/4"-3/4"-1/2"	1"-1"-3/8"	1"-1"-1/2"	1"-1"-3/4"	1"-1/4-1"-1/4-1/2"	1"-1/4-1"-1/4-3/4"	1"-1/4-1"-1/4-1"	1"-1/2-1"-1/2-1/2"
pack	1	10	10	10	1	1	1	1	1	1
black code	SF130N151512	SF130N202012	SF130N202015	SF130N262612	SF130N262615	SF130N262620	SF130N333315	SF130N333320	SF130N333326	SF130N404015
galv. code	SF130G151512	SF130G202012	SF130G202015	SF130G262612	SF130G262615	SF130G262620	SF130G333315	SF130G333320	SF130G333326	SF130G404015
Ø	1"-1/2-1"-1/2-3/4"	1"-1/2-1"-1/2-1"	1"-1/2-1"-1/2-1/4"	2"-2"-1/2"	2"-2"-3/4"	2"-2"-1"	2"-2"-1"-1/4"	2"-2"-1"-1/2"	2"-1/2-2"-1/2-2"	
pack	1	1	1	1	1	1	1	1	1	
black code	SF130N404020	SF130N404026	SF130N404033	SF130N505015	SF130N505020	SF130N505026	SF130N505033	SF130N505040	-	
galv. code	SF130G404020	SF130G404026	SF130G404033	SF130G505015	SF130G505020	SF130G505026	SF130G505033	SF130G505040	SF130G666650	



130R - Reducing tee female 1≠2≠3

Ø	3/4"-3/8"-1/2"	3/4"-1/2"-3/8"	3/4"-1"-1/2"	1"-1/2"-3/4"	1"-3/4"-1/2"	1"-1"-1/4-3/4"	1"-1/4-1/2"-1"	1"-1/4-3/4"-1"	1"-1/4-1"-3/4"	1"-1/4-1"-1/2-1"
pack	10	10	10	10	1	1	1	1	1	1
black code	SF130N201215	SF130N201512	SF130N202615	SF130N261520	SF130N262015	SF130N263320	SF130N331526	SF130N332026	SF130N332620	SF130N334026
galv. code	SF130G201215	SF130G201512	SF130G202615	SF130G261520	SF130G262015	SF130G263320	SF130G331526	SF130G332026	SF130G332620	SF130G334026
Ø	1"-1/2-1"-1/4"	1"-1/2-3/4"-1"-1/4"	1"-1/2-1"-1"-1/4"	1"-1/2-1"-1/4-1"	1"-1/2-2"-1"-1/4"	2"-1/2"-1"-1/2"	2"-3/4"-1"-1/2"	2"-1"-1"-1/2"	2"-1"-1/4-1"-1/2"	
pack	1	1	1	1	1	1	1	1	1	
black code	SF130N401533	SF130N402033	SF130N402633	SF130N403326	SF130N405033	SF130N501540	SF130N502040	SF130N502640	SF130N503340	
galv. code	SF130G401533	SF130G402033	SF130G402633	SF130G403326	SF130G405033	SF130G501540	SF130G502040	SF130G502640	SF130G503340	



131 - Equal pitch tee female

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	10	1	1	1	1	1	1	1
black code	SF131N15	SF131N20	SF131N26	SF131N33	SF131N40	SF131N50	SF131N66	SF131N80
galv. code	SF131G15	SF131G20	SF131G26	SF131G33	SF131G40	SF131G50	SF131G66	SF131G80



132 - Equal twin elbows female

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	1	1	1	1	1
black code	SF132N15	SF132N20	SF132N26	SF132N33	SF132N40	SF132N50
galv. code	SF132G15	SF132G20	SF132G26	SF132G33	SF132G40	SF132G50



133 - Equal tee female/male/female

Ø	3/8"	1/2"	3/4"	1"
pack	10	10	1	1
black code	SF133N12	SF133N15	SF133N20	SF133N26
galv. code	SF133G12	SF133G15	SF133G20	SF133G26

134 - Equal tee male/female/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	1	1	1	1
black code	SF134N8	SF134N12	SF134N15	SF134N20	SF134N26	SF134N33	SF134N40	SF134N50
galv. code	SF134G8	SF134G12	SF134G15	SF134G20	SF134G26	SF134G33	SF134G40	SF134G50

134R - Reducing tee male/female/female 1=3>2



Ø	1/2"-1/4"	3/4"-1/2"	1"-1/2"
pack	1	1	1
black code	SF134N158	SF134N2015	SF134N2615
galv. code	SF134G158	SF134G2015	SF134G2615

135 - Equal tee male



Ø	1/2"	3/4"	1"
pack	10	1	1
black code	SF135N15	SF135N20	SF135N26
galv. code	SF135G15	SF135G20	SF135G26

165 - 45° equal tee female



Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	1	10	10	5	1	1	1	1	1	1
black code	SF165N12	SF165N15	SF165N20	SF165N26	SF165N33	SF165N40	SF165N50	SF165N66	SF165N80	SF165N102
galv. code	-	SF165G15	SF165G20	SF165G26	SF165G33	SF165G40	SF165G50	SF165G66	SF165G80	SF165G102

180 - Equal cross female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1	1
black code	SF180N8	SF180N12	SF180N15	SF180N20	SF180N26	SF180N33	SF180N40	SF180N50	SF180N66	SF180N80	SF180N102
galv. code	SF180G8	SF180G12	SF180G15	SF180G20	SF180G26	SF180G33	SF180G40	SF180G50	SF180G66	SF180G80	SF180G102

180R - Reducing cross female 1=3>2=4



Ø	3/4"-1/2"	1"-1/2"	1"-3/4"	1 1/4"-1"	1 1/2"-1"	2"-1"
pack	1	1	1	1	1	1
black code	SF180N2015	SF180N2615	SF180N2620	SF180N3326	SF180N4026	SF180N5026
galv. code	SF180G2015	SF180G2615	SF180G2620	SF180G3326	SF180G4026	SF180G5026

221 - Side outlet elbow



Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	1	10	10	1	1	1	1
black code	SF221N12	SF221N15	SF221N20	SF221N26	SF221N33	SF221N40	SF221N50
galv. code	SF221G12	SF221G15	SF221G20	SF221G26	SF221G33	SF221G40	SF221G50

223 - Side outlet tee



Ø	1/2"	3/4"	1"
pack	1	1	1
black code	SF223N15	SF223N20	SF223N26
galv. code	SF223G15	SF223G20	SF223G26

220 - Equal Y distributor



Ø	3/8"	1/2"	3/4"	1"
pack	10	10	10	1
black code	SF220N12	SF220N15	SF220N20	SF220N26
galv. code	SF220G12	SF220G15	SF220G20	SF220G26



240 - Reducing socket

Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"	1"-3/8"
pack	10	10	10	10	10	10	10	10	10
black code	SF240N85	SF240N125	SF240N128	SF240N158	SF240N1512	SF240N208	SF240N2012	SF240N2015	SF240N2612
galv. code	SF240G85	SF240G125	SF240G128	SF240G158	SF240G1512	SF240G208	SF240G2012	SF240G2015	SF240G2612
Ø	1"-1/2"	1"-3/4"	1"1/4-3/8"	1"1/4-1/2"	1"1/4-3/4"	1"1/4-1"	1"1/2-1/2"	1"1/2-3/4"	1"1/2-1"
pack	10	10	1	10	10	1	1	1	1
black code	SF240N2615	SF240N2620	SF240N3312	SF240N3315	SF240N3320	SF240N3326	SF240N4015	SF240N4020	SF240N4026
galv. code	SF240G2615	SF240G2620	SF240G3312	SF240G3315	SF240G3320	SF240G3326	SF240G4015	SF240G4020	SF240G4026
Ø	1"1/2-1"1/4	2"-1/2"	2"-3/4"	2"-1"	2"-1"1/4	2"-1"1/2	2"1/2-1"	2"1/2-1"1/4	2"1/2-1"1/2
pack	1	1	1	1	1	1	1	1	1
black code	SF240N4033	SF240N5015	SF240N5020	SF240N5026	SF240N5033	SF240N5040	SF240N6626	SF240N6633	SF240N6640
galv. code	SF240G4033	SF240G5015	SF240G5020	SF240G5026	SF240G5033	SF240G5040	SF240G6626	SF240G6633	SF240G6640
Ø	2"1/2-2"	3"-1"1/2	3"-2"	3"-2"1/2	4"-2"	4"-2"1/2	4"-3"		
pack	1	1	1	1	1	1	1		
black code	SF240N6650	SF240N8040	SF240N8050	SF240N8066	SF240N10250	SF240N10266	SF240N10280		
galv. code	SF240G6650	SF240G8040	SF240G8050	SF240G8066	SF240G10250	SF240G10266	SF240G10280		



241 - Reducing bush

Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/8"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"
pack	10	10	10	10	10	10	10	10	10
black code	SF241N85	SF241N125	SF241N128	SF241N155	SF241N158	SF241N1512	SF241N208	SF241N2012	SF241N2015
galv. code	SF241G85	SF241G125	SF241G128	SF241G155	SF241G158	SF241G1512	SF241G208	SF241G2012	SF241G2015
Ø	1"-1/4"	1"-3/8"	1"-1/2"	1"-3/4"	1"1/4-3/8"	1"1/4-1/2"	1"1/4-3/4"	1"1/4-1"	1"1/2-3/8"
pack	10	10	10	10	10	10	10	10	1
black code	SF241N268	SF241N2612	SF241N2615	SF241N2620	SF241N3312	SF241N3315	SF241N3320	SF241N3326	SF241N4012
galv. code	SF241G268	SF241G2612	SF241G2615	SF241G2620	SF241G3312	SF241G3315	SF241G3320	SF241G3326	SF241G4012
Ø	1"1/2-1/2"	1"1/2-3/4"	1"1/2-1"	1"1/2-1"1/4	2"-1/2"	2"-3/4"	2"-1"	2"-1"1/4	2"-1"1/2
pack	10	10	10	10	1	1	1	1	1
black code	SF241N4015	SF241N4020	SF241N4026	SF241N4033	SF241N5015	SF241N5020	SF241N5026	SF241N5033	SF241N5040
galv. code	SF241G4015	SF241G4020	SF241G4026	SF241G4033	SF241G5015	SF241G5020	SF241G5026	SF241G5033	SF241G5040
Ø	2"1/2-1"	2"1/2-1"1/4	2"1/2-1"1/2	2"1/2-2"	3"-1"	3"-1"1/4	3"-1"1/2	3"-2"	3"-2"1/2
pack	1	1	1	1	1	1	1	1	1
black code	SF241N6626	SF241N6633	SF241N6640	SF241N6650	SF241N8026	SF241N8033	SF241N8040	SF241N8050	SF241N8066
galv. code	SF241G6626	SF241G6633	SF241G6640	SF241G6650	SF241G8026	SF241G8033	SF241G8040	SF241G8050	SF241G8066
Ø	4"-2"	4"-2"1/2	4"-3"						
pack	1	1	1						
black code	SF241N10250	SF241N10266	SF241N10280						
galv. code	SF241G10250	SF241G10266	SF241G10280						



245 - Reducing hexagonal nipple male

Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"	1"-1/2"
pack	10	10	10	10	10	10	10	10	10
black code	SF245N85	SF245N125	SF245N128	SF245N158	SF245N1512	SF245N208	SF245N2012	SF245N2015	SF245N2615
galv. code	SF245G85	SF245G125	SF245G128	SF245G158	SF245G1512	SF245G208	SF245G2012	SF245G2015	SF245G2615
Ø	1"-3/4"	1"1/4-1/2"	1"1/4-3/4"	1"1/4-1"	1"1/2-3/4"	1"1/2-1"	1"1/2-1"1/4"	2"-1"	2"-1"1/4"
pack	10	1	5	5	1	1	1	1	1
black code	SF245N2620	SF245N3315	SF245N3320	SF245N3326	SF245N4020	SF245N4026	SF245N4033	SF245N5026	SF245N5033
galv. code	SF245G2620	SF245G3315	SF245G3320	SF245G3326	SF245G4020	SF245G4026	SF245G4033	SF245G5026	SF245G5033
Ø	2"-1"1/2"	2"1/2-1"1/2"	2"1/2-2"	3"-2"	3"-2"1/2"	4"-3"			
pack	1	1	1	1	1	1			
black code	SF245N5040	SF245N6640	SF245N6650	SF245N8050	SF245N8066	SF245N10280			
galv. code	SF245G5040	SF245G6640	SF245G6650	SF245G8050	SF245G8066	SF245G10280			



246 - Reducing socket female>male

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4-1/2"
pack	10	10	10	10	10	10	10	10	1
black code	SF246N85	SF246N128	SF246N158	SF246N1512	SF246N2012	SF246N2015	SF246N2615	SF246N2620	SF246N3315
galv. code	SF246G85	SF246G128	SF246G158	SF246G1512	SF246G2012	SF246G2015	SF246G2615	SF246G2620	SF246G3315
Ø	1"1/4-3/4"	1"1/4-1"	1"1/2-3/4"	1"1/2-1"	1"1/2-1"1/4"	2"-1"	2"-1"1/4"	2"-1"1/2"	2"1/2-1"1/2"
pack	5	5	1	1	1	1	1	1	1
black code	SF246N3320	SF246N3326	SF246N4020	SF246N4026	SF246N4033	SF246N5026	SF246N5033	SF246N5040	SF246N6640
galv. code	SF246G3320	SF246G3326	SF246G4020	SF246G4026	SF246G4033	SF246G5026	SF246G5033	SF246G5040	SF246G6640
Ø	2"1/2-2"	3"-2"	3"-2"1/2"						
pack	1	1	1						
black code	SF246N6650	SF246N8050	SF246N8066						
galv. code	SF246G6650	SF246G8050	SF246G8066						



270 - Equal socket

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	10	1	1	1	1	1	1
black code	SF270N5	SF270N8	SF270N12	SF270N15	SF270N20	SF270N26	SF270N33	SF270N40	SF270N50	SF270N66	SF270N80	SF270N102
galv. code	SF270G5	SF270G8	SF270G12	SF270G15	SF270G20	SF270G26	SF270G33	SF270G40	SF270G50	SF270G66	SF270G80	SF270G102



271 - Right & left hand thread socket

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	1	1	1	1	1	1	1
black code	SF271N12	SF271N15	SF271N20	SF271N26	SF271N33	SF271N40	SF271N50
galv. code	SF271G12	SF271G15	SF271G20	SF271G26	SF271G33	SF271G40	SF271G50

280 - Hexagonal nipple



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	10	1	1	1	1	1
black code	SF280N5	SF280N8	SF280N12	SF280N15	SF280N20	SF280N26	SF280N33	SF280N40	SF280N50	SF280N66	SF280N80	SF280N102
galv. code	SF280G5	SF280G8	SF280G12	SF280G15	SF280G20	SF280G26	SF280G33	SF280G40	SF280G50	SF280G66	SF280G80	SF280G102

281 - Right & left hand thread hexagonal nipple



Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	1	10	10	10	1	1	1
black code	-	SF281N15	SF281N20	SF281N26	SF281N33	SF281N40	SF281N50
galv. code	SF281G12	SF281G15	SF281G20	SF281G26	SF281G33	SF281G40	SF281G50

290 - Beaded square head plug



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	10	1	1	1	1	1
black code	SF290N5	SF290N8	SF290N12	SF290N15	SF290N20	SF290N26	SF290N33	SF290N40	SF290N50	SF290N66	SF290N80	SF290N102
galv. code	SF290G5	SF290G8	SF290G12	SF290G15	SF290G20	SF290G26	SF290G33	SF290G40	SF290G50	SF290G66	SF290G80	SF290G102

291 - Square head plain plug



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	10	10	1	1	1	1
black code	SF291N5	SF291N8	SF291N12	SF291N15	SF291N20	SF291N26	SF291N33	SF291N40	SF291N50	SF291N66	SF291N80	SF291N102
galv. code	SF291G5	SF291G8	SF291G12	SF291G15	SF291G20	SF291G26	SF291G33	SF291G40	SF291G50	SF291G66	SF291G80	SF291G102

300 - Hexagonal cap



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	10	1	1	1	1	1
black code	SF300N5	SF300N8	SF300N12	SF300N15	SF300N20	SF300N26	SF300N33	SF300N40	SF300N50	SF300N66	SF300N80	SF300N102
galv. code	SF300G5	SF300G8	SF300G12	SF300G15	SF300G20	SF300G26	SF300G33	SF300G40	SF300G50	SF300G66	SF300G80	SF300G102

312 - Recessed hexagonal backnut



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
pack	10	10	10	10	10	10	1	1	1	1
black code	SF312N8	SF312N12	SF312N15	SF312N20	SF312N26	SF312N33	SF312N40	SF312N50	SF312N66	SF312N80
galv. code	SF312G8	SF312G12	SF312G15	SF312G20	SF312G26	SF312G33	SF312G40	SF312G50	SF312G66	SF312G80

321 - Threaded flange



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	1	1	1	1	1	1
black code	SF321N15	SF321N20	SF321N26	SF321N33	SF321N40	SF321N50
galv. code	SF321G15	SF321G20	SF321G26	SF321G33	SF321G40	SF321G50

326 - Threaded oval flange with holes



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	1	1	1	1	1	1
black code	SF326N15	SF326N20	SF326N26	SF326N33	SF326N40	SF326N50
galv. code	SF326G15	SF326G20	SF326G26	SF326G33	SF326G40	SF326G50

330 - Equal union flat bearing female

Aramid fiber + NBR gasket. ⚠️ **Not suitable for gas.** For gas use, see gaskets p. 234.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	5	5	1	1	1	1	1	1
black code	SF330N8	SF330N12	SF330N15	SF330N20	SF330N26	SF330N33	SF330N40	SF330N50	SF330N66	SF330N80	SF330N102
galv. code	SF330G8	SF330G12	SF330G15	SF330G20	SF330G26	SF330G33	SF330G40	SF330G50	SF330G66	SF330G80	SF330G102

331 - Equal union flat bearing male/female

Aramid fiber + NBR gasket. ⚠️ **Not suitable for gas.** For gas use, see gaskets p. 234.



Ø	1/4" *	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2 *	3" *
pack	1	10	10	5	1	1	1	1	1	1
black code	SF331N8	SF331N12	SF331N15	SF331N20	SF331N26	SF331N33	SF331N40	SF331N50	SF331N66	SF331N80
galv. code	SF331G8	SF331G12	SF331G15	SF331G20	SF331G26	SF331G33	SF331G40	SF331G50	SF331G66	SF331G80

* Supplied without gasket.

340 - Equal union conical bearing female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	1	10	10	10	5	5	1	1	1	1	1	1
black code	SF340N5	SF340N8	SF340N12	SF340N15	SF340N20	SF340N26	SF340N33	SF340N40	SF340N50	SF340N66	SF340N80	SF340N102
galv. code	SF340G5	SF340G8	SF340G12	SF340G15	SF340G20	SF340G26	SF340G33	SF340G40	SF340G50	SF340G66	SF340G80	SF340G102

341 - Equal union conical bearing male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	5	10	10	5	5	1	1	1	1	1	1
black code	SF341N8	SF341N12	SF341N15	SF341N20	SF341N26	SF341N33	SF341N40	SF341N50	SF341N66	SF341N80	SF341N102
galv. code	SF341G8	SF341G12	SF341G15	SF341G20	SF341G26	SF341G33	SF341G40	SF341G50	SF341G66	SF341G80	SF341G102

342 - Equal union with bronze tightness ring female



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	5	5	1	1	1
black code	SF342N15	SF342N20	SF342N26	SF342N33	SF342N40	SF342N50
galv. code	SF342G15	SF342G20	SF342G26	SF342G33	SF342G40	SF342G50

344 - Equal union conical bearing male



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	10	1	1	1	1	1
black code	SF344N8	SF344N12	SF344N15	SF344N20	SF344N26	SF344N33	SF344N40	SF344N50
galv. code	SF344G8	SF344G12	SF344G15	SF344G20	SF344G26	SF344G33	SF344G40	SF344G50

370 - Female union bush for flat bearing union fitting



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2
pack	10	10	10	5	1	1	1
black code	SF370N15	SF370N20	SF370N26	SF370N33	SF370N40	SF370N50	SF370N66
galv. code	SF370G15	SF370G20	SF370G26	SF370G33	SF370G40	SF370G50	SF370G66

371 - Male union end for flat bearing union fitting



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	5	2	1	1
black code	SF371N15	SF371N20	SF371N26	SF371N33	SF371N40	SF371N50
galv. code	SF371G15	SF371G20	SF371G26	SF371G33	SF371G40	SF371G50

372 - Female union end for flat bearing union fitting



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	5	1	1	1
black code	SF372N15	SF372N20	SF372N26	SF372N33	SF372N40	SF372N50
galv. code	SF372G15	SF372G20	SF372G26	SF372G33	SF372G40	SF372G50

471 - 90° bracket elbow female



Ø	3/8"	1/2"	3/4"
pack	1	10	5
galv. code	SF471G12	SF471G15	SF471G20

374 - Union nut



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	1	10	1	10	10	1	1	1	1	1	1
black code	SF374N8	SF374N12	SF374N15	SF374N20	SF374N26	SF374N33	SF374N40	SF374N50	SF374N66	SF374N80	SF374N102
galv. code	SF374G8	SF374G12	SF374G15	SF374G20	SF374G26	SF374G33	SF374G40	SF374G50	SF374G66	SF374G80	SF374G102

529A - Socket male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	10	10	10	5	1	1
black code	SF529AN8	SF529AN12	SF529AN15	SF529AN20	SF529AN26	SF529AN33	SF529AN40	SF529AN50
galv. code	SF529AG8	SF529AG12	SF529AG15	SF529AG20	SF529AG26	SF529AG33	SF529AG40	SF529AG50

596 - Square hole plug



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	1	10	10	10	10	10	1	1	1
black code	SF596N5	SF596N8	SF596N12	SF596N15	SF596N20	SF596N26	SF596N33	SF596N40	SF596N50
galv. code	SF596G5	SF596G8	SF596G12	SF596G15	SF596G20	SF596G26	SF596G33	SF596G40	SF596G50

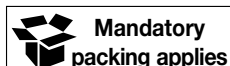
98030 - Fiber gasket for flat bearing union fitting

Thickness 1,5.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	9803074	9803075	9803076	9803077	9803078	9803079	9803080	9803081	9803082	9803083	9803084

Carbon steel pipe nipples & sockets

■ Welded pipe nipples 

Excluded from 2014/68/EU Directive (art. 4, §3) - Manufacturing acc. to EN 10241 - Use: liquids & compressed air - Material: carbon steel S235 - Coating: black or galvanised - Galvanised coating for drinking water compatibility - BSP thread acc. to ISO 7-1 - PS: 16 bar - TS: -20°C/+300°C.

530AN/530AG - Welding half-nipple length 50 mm 

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	10	10	5	5	5
black code	530AN505	530AN508	530AN5012	530AN5015	530AN5020	530AN5026	530AN5033	530AN5040	530AN5050
galv. code	530AG505	530AG508	530AG5012	530AG5015	530AG5020	530AG5026	530AG5033	530AG5040	530AG5050

530AN/530AG - Welding half-nipple length 100 mm 

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	1	1	1	1	1	1
black code	530AN1008	530AN10012	530AN10015	530AN10020	530AN10026	530AN10033	530AN10040	530AN10050	530AN10066	530AN10080	530AN100102
galv. code	530AG1008	530AG10012	530AG10015	530AG10020	530AG10026	530AG10033	530AG10040	530AG10050	530AG10066	530AG10080	530AG100102

530N/530G - Barrel nipple length 40 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	10	5	5	5
black code	530N408	530N4012	530N4015	530N4020	530N4026	530N4033	530N4040	530N4050
galv. code	530G408	530G4012	530G4015	530G4020	530G4026	530G4033	530G4040	530G4050

530N/530G - Barrel nipple length 50 mm



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	5	5	5
black code	530N5015	530N5020	530N5026	530N5033	530N5040	530N5050
galv. code	530G5015	530G5020	530G5026	530G5033	530G5040	530G5050

530N/530G - Barrel nipple length 60 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	10	5	5	5
black code	530N608	530N6012	530N6015	530N6020	530N6026	530N6033	530N6040	530N6050
galv. code	530G608	530G6012	530G6015	530G6020	530G6026	530G6033	530G6040	530G6050

530N/530G - Barrel nipple length 80 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	5	1	1
black code	530N808	530N8012	530N8015	530N8020	530N8026	530N8033	530N8040	530N8050	530N8066	530N8080	530N80102
galv. code	530G808	530G8012	530G8015	530G8020	530G8026	530G8033	530G8040	530G8050	530G8066	530G8080	530G80102

**530N/530G - Barrel nipple length 100 mm**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	5	5	5	1	1	1
black code	530N1005	530N1008	530N10012	530N10015	530N10020	530N10026	530N10033	530N10040	530N10050	530N10066	530N10080	530N100102
galv. code	530G1005	530G1008	530G10012	530G10015	530G10020	530G10026	530G10033	530G10040	530G10050	530G10066	530G10080	530G100102

**530N/530G - Barrel nipple length 120 mm**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	1	6	1	1
black code	530N1205	530N1208	530N12012	530N12015	530N12020	530N12026	530N12033	530N12040	530N12050	530N12066	530N12080	530N120102
galv. code	-	530G1208	530G12012	530G12015	530G12020	530G12026	530G12033	530G12040	530G12050	530G12066	530G12080	530G120102

**530N/530G - Barrel nipple length 150 mm**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	5	5	1	1	1	1
black code	530N1505	530N1508	530N15012	530N15015	530N15020	530N15026	530N15033	530N15040	530N15050	530N15066	530N15080	530N150102
galv. code	530G1505	530G1508	530G15012	530G15015	530G15020	530G15026	530G15033	530G15040	530G15050	530G15066	530G15080	530G150102

**530N/530G - Barrel nipple length 180 mm**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	1	1	1
black code	530N1808	530N18012	530N18015	530N18020	530N18026	530N18033	530N18040	530N18050	530N18066	530N18080	530N180102
galv. code	530G1808	530G18012	530G18015	530G18020	530G18026	530G18033	530G18040	530G18050	530G18066	530G18080	530G180102

**530N/530G - Barrel nipple length 200 mm**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	10	5	5	1	1	1	1
black code	530N2005	530N2008	530N20012	530N20015	530N20020	530N20026	530N20033	530N20040	530N20050	530N20066	530N20080	530N200102
galv. code	530G2005	530G2008	530G20012	530G20015	530G20020	530G20026	530G20033	530G20040	530G20050	530G20066	530G20080	530G200102

**530N/530G - Barrel nipple length 250 mm**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	1	1	1
black code	530N2508	530N25012	530N25015	530N25020	530N25026	530N25033	530N25040	530N25050	530N25066	530N25080	530N250102
galv. code	530G2508	530G25012	530G25015	530G25020	530G25026	530G25033	530G25040	530G25050	530G25066	530G25080	530G250102

530N/530G - Barrel nipple length 300 mm

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	1	1	1	1
black code	530N3008	530N30012	530N30015	530N30020	530N30026	530N30033	530N30040	530N30050	530N30066	530N30080	530N300102
galv. code	530G3008	530G30012	530G30015	530G30020	530G30026	530G30033	530G30040	530G30050	530G30066	530G30080	530G300102

530N/530G - Barrel nipple length 400 mm

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
pack	10	8	5	4	5	4	3
black code	530N40015	530N40020	530N40026	530N40033	530N40040	530N40050	530N40066
galv. code	530G40015	530G40020	530G40026	530G40033	530G40040	530G40050	530G40066

530N/530G - Barrel nipple length 500 mm

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
pack	10	8	5	4	5	4	3
black code	530N50015	530N50020	530N50026	530N50033	530N50040	530N50050	530N50066
galv. code	530G50015	530G50020	530G50026	530G50033	530G50040	530G50050	530G50066

530N/530G - Barrel nipple length 600 mm

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
pack	10	8	5	4	5	4	3
black code	530N60015	530N60020	530N60026	530N60033	530N60040	530N60050	530N60066
galv. code	530G60015	530G60020	530G60026	530G60033	530G60040	530G60050	530G60066

530N/530G - Barrel nipple length 700 mm

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
pack	10	8	5	4	5	4	3
black code	530N70015	530N70020	530N70026	530N70033	530N70040	530N70050	530N70066
galv. code	530G70015	530G70020	530G70026	530G70033	530G70040	530G70050	530G70066

530N/530G - Barrel nipple length 1000 mm

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
pack	10	8	5	4	5	4	3
black code	530N100015	530N100020	530N100026	530N100033	530N100040	530N100050	530N100066
galv. code	530G100015	530G100020	530G100026	530G100033	530G100040	530G100050	530G100066

Seamless pipe nipples

530AT3 - Welding half-nipple length 100 mm



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
pack	10	10	10	10	5	5	5	2	1
black code	530AT3N10012	530AT3N10015	530AT3N10020	530AT3N10026	530AT3N10033	530AT3N10040	530AT3N10050	530AT3N10066	530AT3N10080

530T3 - Barrel nipple length 100 mm



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
pack	10	10	10	10	5	5	5	2	1
black code	530T3N10012	530T3N10015	530T3N10020	530T3N10026	530T3N10033	530T3N10040	530T3N10050	530T3N10066	530T3N10080

530T3 - Barrel nipple length 150 mm



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	5	10	5	5	5
black code	530T3N15012	530T3N15015	530T3N15020	530T3N15026	530T3N15033	530T3N15040	530T3N15050

530T3 - Barrel nipple length 200 mm



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
pack	10	10	10	10	5	5	1	1	1
black code	530T3N20012	530T3N20015	530T3N20020	530T3N20026	530T3N20033	530T3N20040	530T3N20050	530T3N20066	530T3N20080

Sockets

MADN - Half-socket



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	5	1	1	1	1	1
black code	MADN15	MADN20	MADN26	MADN33	MADN40	MADN50	MADN66	MADN80	MADN102

MAN/MAG - Socket



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	10	10	10	5	5	5	1	1	1
black code	MAN15	MAN20	MAN26	MAN33	MAN40	MAN50	MAN66	MAN80	MAN102
galv. code	MAG15	MAG20	MAG26	MAG33	MAG40	MAG50	MAG66	MAG80	MAG102

Stainless steel pipe nipples

■ Forged stainless steel nipples - 150 lbs



**Mandatory
packing applies**

Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316 body - BSP thread acc. to ISO 7.1 - PS: 20 bar - TS: -25°C/+180°C.

2039 - Standard welding nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
length (mm)	22	23	27	33	35	36	41	46	55	70	80
pack	10	10	10	10	5	5	5	5	1	1	1
code	2039002	2039003	2039004	2039005	2039006	2039007	2039008	2039009	2039010	2039011	2039012

2034 - Welding nipple - Length = 50 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2034002	2034003	2034004	2034005	2034006	2034007	2034008	2034009

2042 - Welding nipple - Length = 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2042002	2042003	2042004	2042005	2042006	2042007	2042008	2042009

2040 - Standard barrel nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
length (mm)	40	40	60	60	60	80	80	100	100	120	120
pack	10	10	10	10	5	5	5	5	1	1	1
code	2040002	2040003	2040004	2040005	2040006	2040007	2040008	2040009	2040010	2040011	2040012

2038 - Barrel nipple length 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2038002	2038003	2038004	2038005	2038006	2038007	2038008	2038009

2041 - Barrel nipple length 200 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2041002	2041003	2041004	2041005	2041006	2041007	2041008	2041009

■ Forged stainless steel nipples - 150 lbs (NPT)



Individual
packing

Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316L body - NPT thread acc. to ANSI B1.20.1 - PS: 20 bar - Products can be sourced from several suppliers.

EM - Welding half-nipple (BW)



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
length	22	22	23	27	33	35	36	41	46	55	60	80
code	EM5B	EM8B	EM12B	EM15B	EM20B	EM25B	EM32B	EM40B	EM50B	EM65B	EM80B	EM100B

EML - Welding half-nipple length 100 mm (BW)



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	EML8B	EML12B	EML15B	EML20B	EML25B	EML32B	EML40B	EML50B	EML65B	EML80B	EML100B

MC - Barrel nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
length	36	39	42	50	56	58	62	74	80	100	120
code	MC8B	MC12B	MC15B	MC20B	MC25B	MC32B	MC40B	MC50B	MC65B	MC80B	MC100B

MCL - Barrel nipple length 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
code	MCL8B	MCL12B	MCL15B	MCL20B	MCL25B	MCL32B	MCL40B	MCL50B	MCL65B	MCL80B

■ Forged hose nozzle fittings (BSP)



Individual
packing

Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316L body - BSP thread acc. to ISO 7.1 - PS: 20 bar - Products can be sourced from several suppliers.

AF - Hexagon female/hose



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	28	33	39	44	50	52	59	75	89
code	AF5G	AF8G	AF12G	AF15G	AF20G	AF25G	AF32G	AF40G	AF50G

AM - Male/hose



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
length (mm)	42	42	47	53	57	65	68	74	82	104	130	154
code	AM5G	AM8G	AM12G	AM15G	AM20G	AM25G	AM32G	AM40G	AM50G	AM65G	AM80G	AM100G

AL - Butt welding/hose



DN	5	8	12	15	20	25	32	40	50	65	80	100
length (mm)	30	30	35	40	40	45	55	55	60	80	100	120
code	AL5G	AL8G	AL12G	AL15G	AL20G	AL25G	AL32G	AL40G	AL50G	AL65G	AL80G	AL100G

ALD - Double hose



DN	5	8	12	15	20	25	32	40	50
length (mm)	46	46	55	60	60	75	90	90	96
code	ALD5G	ALD8G	ALD12G	ALD15G	ALD20G	ALD25G	ALD32G	ALD40G	ALD50G

Stainless steel socket welding fittings - S-First

■ Cast welding fittings - 150 lbs Individual
packing

Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316 body except for M: F316L - PS: 20 bar - Products can be sourced from several suppliers.



CFF - 90° welding elbow

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	CFF15SW	CFF20SW	CFF25SW	CFF32SW	CFF40SW	CFF50SW



CFF45 - 45° welding elbow

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	CFF4515SW	CFF4520SW	CFF4525SW	CFF4532SW	CFF4540SW	CFF4550SW



TE - Welding tee

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	TE15SW	TE20SW	TE25SW	TE32SW	TE40SW	TE50SW



M - Welding socket

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	34	36	43	48	48	56
code	M15SW	M20SW	M25SW	M32SW	M40SW	M50SW

Stainless steel threaded fittings - S-First

■ Cast threaded fittings - 150 lbs Mandatory
packing applies

Excluded from 2014/68/UE Directive (art. 4, §3) - For all common fluids - Material: CF8M body - BSP thread acc. to ISO 7.1 - PS: 20 bar - TS: -25°C/+180°C - Products can be sourced from several suppliers.



2070 - 90° equal elbow female/female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2070001	2070002	2070003	2070004	2070005	2070006	2070007	2070008	2070009	2070010	2070011	2070012



2072 - 90° equal street elbow male/female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
length (mm)	26	28	30	34	38,5	45	52,5	56	68,5	81,5	92,5
pack	10	10	10	10	10	5	5	5	5	1	1
code	2072001	2072002	2072003	2072004	2072005	2072006	2072007	2072008	2072009	2072010	2072011



2071 - Equal tee female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
length (mm)	34	38	46	50	55	66	80	86	104	130	150	184
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2071001	2071002	2071003	2071004	2071005	2071006	2071007	2071008	2071009	2071010	2071011	2071012



2073 - Reducing socket female/female

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4"-1"	1"1/2"-1"1/4"	2"-1"1/2"
length (mm)	25,5	29	31	33,5	38	41	45,5	49
pack	10	10	10	10	10	5	5	5
code	2073002	2073003	2073004	2073005	2073006	2073007	2073008	2073009

**2074 - Double reducing socket female/female**

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4"
length (mm)	29	31	33,5	38	41	45,5	49
pack	10	10	10	5	5	5	5
code	2074003	2074004	2074005	2074006	2074007	2074008	2074009

**2075 - Reducing bush**

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4"	2"-1"1/2"
length (mm)	16	16,5	19,5	21	24	27,5	28,5	32
pack	10	10	10	10	5	5	5	5
code	2075002	2075003	2075004	2075005	2075006	2075007	2075008	2075009

Ø	2"1/2-2"	3"-2"1/2"	4"-3"
length (mm)	37	42	47
pack	1	1	1
code	RMF6550G	RMF8065G	RMF10080G

**2078 - Double/triple reducing bush**

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4"	2"1/2-1"1/4"
length (mm)	16,5	19,5	21	24	27,5	28,5	32	37
pack	10	10	10	5	5	5	5	1
code	2078003	2078004	2078005	2078006	2078007	2078008	2078009	RMF6532G

Ø	2"1/2-1"1/2"	3"-2"	4"-2"	4"-2"1/2"
length (mm)	37	42	47	47
pack	1	1	1	1
code	RMF6540G	RMF8050G	RMF10050G	RMF10065G

**2085 - Reducing hexagonal nipple**

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4"	2"-1"1/2"
length (mm)	22,5	24	30,5	35,5	39,5	45	47,5	52,5
pack	10	10	10	10	5	5	5	5
code	2085002	2085003	2085004	2085005	2085006	2085007	2085008	2085009

**2086 - Double reducing hexagonal nipple**

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4"
length (mm)	24	29,5	32	38,5	42,5	45	52,5
pack	10	10	10	5	5	5	5
code	2086003	2086004	2086005	2086006	2086007	2086008	2086009

**2087 - Reducing socket female/male**

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4"	2"-1"1/2"
length (mm)	25	28	32	37	41,5	47	49,5	54
pack	10	10	10	10	10	5	5	5
code	2087002	2087003	2087004	2087005	2087006	2087007	2087008	2087009

**2084 - Equal hexagonal nipple**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
length (mm)	20	25	27	34	36,5	42	47,5	47,5	57	74	86
pack	10	10	10	10	10	5	5	5	5	1	1
code	2084001	2084002	2084003	2084004	2084005	2084006	2084007	2084008	2084009	MH65G	MH80G

**2088 - Hose nozzle male**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
Ø hose	9	11,5	15	20	27	33	39,5	52	64	76	102
length (mm)	34,5	41	48,5	58	67	70	74	83	-	-	-
pack	10	10	10	10	5	5	5	5	1	1	1
code	2088002	2088003	2088004	2088005	2088006	2088007	2088008	2088009	AH65G	AH80G	AH100G

**TC - Bulkhead coupling**

Ø int.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"
Ø ext.	1/2"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	35	35	40	40	45	50	54
pack	1	1	1	1	1	1	1
code	TC8G	TC12G	TC15G	TC20G	TC25G	TC32G	TC40G

**2076 - Hexagonal plug**

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	19,5	21	24	27	27	32
pack	10	10	5	5	5	5
code	2076004	2076005	2076006	2076007	2076008	2076009

**2077 - Plain hexagonal plug**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Height (mm)	12	14,5	16	19,5	21	24	27	27	32
pack	10	10	10	10	10	5	5	5	5
code	2077001	2077002	2077003	2077004	2077005	2077006	2077007	2077008	2077009

**2090 - Hexagonal cap**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	14	14,5	18,5	19	22	25	25	30
pack	10	10	10	10	5	5	5	5
code	2090002	2090003	2090004	2090005	2090006	2090007	2090008	2090009

**2089 - Hexagonal backnut**

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	5	6	6	7	7	9	11	11	13
pack	10	10	10	10	10	5	5	5	5
code	2089001	2089002	2089003	2089004	2089005	2089006	2089007	2089008	2089009

■ Cast 3 piece unions - 150lbs - S-First **Individual packing**

Excluded from 2014/68/EU Directive (art. 4, §3) - For all common fluids from Group 2 & liquids from Group 1 - Material: CF8M body - BSP thread acc. to ISO 7.1 - Conical bearing - PS: 20 bar - TS: -25°C/+180°C - Products can be sourced from several suppliers.

**MF - Equal union male/female**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	1	1	1	1	1	1	1	1	1	1
code	MF8GM	MF12GM	MF15GM	MF20GM	MF25GM	MF32GM	MF40GM	MF50GM	MF65GM	MF80GM

**FF - Equal union female/female**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	1	1	1	1	1	1	1	1	1	1
code	FF8GM	FF12GM	FF15GM	FF20GM	FF25GM	FF32GM	FF40GM	FF50GM	FF65GM	FF80GM

Stainless steel threaded fittings

■ Cast threaded fittings - 150 lbs (BSP)



**Mandatory
packing applies**

Excluded from 2014/68/EU Directive (art. 4, §3) - For all common fluids from Group 2 & liquids from Group 1 - Material: CF8M body - BSP thread acc. to ISO 7.1 except 2017 & 2015: BSP thread acc. to ISO 228-1 - PS: 20 bar - TS: -25°C/+180°C.

2017 - Half socket



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	10	11	13	16	18	20	22	23	27
pack	10	10	10	10	10	5	5	5	5
code	2017001	2017002	2017003	2017004	2017005	2017006	2017007	2017008	2017009

2015 - Equal socket



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
length (mm)	17	25	26	34	36	43	48	48	56	65	71	83
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2015001	2015002	2015003	2015004	2015005	2015006	2015007	2015008	2015009	2015010	2015011	2015012

2001 - 90° equal elbow female/female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2001001	2001002	2001003	2001004	2001005	2001006	2001007	2001008	2001009	2001010	2001011	2001012

2010 - 90° equal street elbow male/female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
pack	10	10	10	10	10	5	5	5	5	1	1
code	2010001	2010002	2010003	2010004	2010005	2010006	2010007	2010008	2010009	2010010	2010011

2003 - Equal tee female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2003001	2003002	2003003	2003004	2003005	2003006	2003007	2003008	2003009	2003010	2003011	2003012

2002 - Equal cross female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	10	10	5	5	5
code	2002001	2002002	2002003	2002004	2002005	2002006	2002007	2002008	2002009

2013 - Reducing socket female/female



Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1 1/4"-1"	1 1/2"-1 1/4"	2"-1 1/2"
pack	10	10	10	10	10	5	5	5
code	2013002	2013003	2013004	2013005	2013006	2013007	2013008	2013009

2014 - Double reducing socket female/female



Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1 1/4"-3/4"	1 1/2"-1"	2"-1 1/4"
pack	10	10	10	5	5	5	5
code	2014003	2014004	2014005	2014006	2014007	2014008	2014009



2021 - Reducing bush

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4	2"-1"1/2
pack	10	10	10	10	5	5	5	5
code	2021002	2021003	2021004	2021005	2021006	2021007	2021008	2021009



2024 - Double reducing bush

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4
pack	10	10	10	5	5	5	5
code	2024003	2024004	2024005	2024006	2024007	2024008	2024009



2031 - Reducing hexagonal nipple

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4	2"-1"1/2
pack	10	10	10	10	5	5	5	5
code	2031002	2031003	2031004	2031005	2031006	2031007	2031008	2031009



2032 - Double reducing hexagonal nipple

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4
pack	10	10	10	5	5	5	5
code	2032003	2032004	2032005	2032006	2032007	2032008	2032009



2033 - Reducing socket female > male

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4	2"-1"1/2
pack	10	10	10	10	10	5	5	5
code	2033002	2033003	2033004	2033005	2033006	2033007	2033008	2033009



2030 - Equal hexagonal nipple

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	10	10	10	5	5	5	5
code	2030001	2030002	2030003	2030004	2030005	2030006	2030007	2030008	2030009



2035 - Hose nozzle male

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
hose	8	10	13	20	25	32	40	52
pack	10	10	10	10	5	5	5	5
code	2035002	2035003	2035004	2035005	2035006	2035007	2035008	2035009



2022 - Hexagonal plug

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	5	5	5	5
code	2022004	2022005	2022006	2022007	2022008	2022009



2023 - Plain hexagonal plug

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
pack	10	10	10	10	10	5	5	5	5
code	2023001	2023002	2023003	2023004	2023005	2023006	2023007	2023008	2023009



2020 - Square head plain plug

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	10	10	5	5	5
code	2020001	2020002	2020003	2020004	2020005	2020006	2020007	2020008	2020009



2037 - Hexagonal cap

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2037002	2037003	2037004	2037005	2037006	2037007	2037008	2037009



2036 - Hexagonal backnut

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
pack	10	10	10	10	10	5	5	5	5
code	2036001	2036002	2036003	2036004	2036005	2036006	2036007	2036008	2036009

■ Cast 3 piece unions - 150 lbs /



**Individual
packing**

Excluded from 2014/68/EU Directive (art. 4, §3) - For all common fluids from Group 2 & liquids from Group 1 - Material: CF8M body - BSP thread acc. to ISO 7.1 - Conical bearing - PS: 20 bar - TS: -25°C/+180°C.



2029 - Equal union butt welding/butt welding

Ø	8	10	15	20	25	32	40	50
length (mm)	34,5	38,5	40	47,5	49,6	54,8	55	57,4
code	2029008	2029010	2029015	2029020	2029025	2029032	2029040	2029050



2027 - Equal union male/butt welding

Ø	1/4"-8	3/8"-10	1/2"-15	3/4"-20	1"-25	1 1/4"-32	1 1/2"-40	2"-50
length (mm)	46,4	47,7	53	60	66	72	73	77,6
code	2027208	2027310	2027415	2027520	2027625	2027732	2027840	2027950



2028 - Equal union female/butt welding

Ø	1/4"-8	3/8"-10	1/2"-15	3/4"-20	1"-25	1 1/4"-32	1 1/2"-40	2"-50
length (mm)	35	38	40	45,7	50	56	57	58,6
code	2028208	2028310	2028415	2028520	2028625	2028732	2028840	2028950



2062 - Equal union male/male

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	56	57,5	66,5	73,4	81	89,5	89,3	99
code	2062002	2062003	2062004	2062005	2062006	2062007	2062008	2062009



2026 - Equal union male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	46	48	52,8	58,6	66,5	73,5	74,5	80,5
code	2026002	2026003	2026004	2026005	2026006	2026007	2026008	2026009



2025 - Equal union female/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	34,5	37,6	38,6	44	51	58	59	61,5
code	2025002	2025003	2025004	2025005	2025006	2025007	2025008	2025009

■ Stainless steel threaded fittings (NPT)



**Individual
packing**

Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316L or CF8M body - NPT thread acc. to B1.20.1 - PS: 20 bar - Products can be sourced from several suppliers.

EF - Half-socket

F316L body



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length	18	22	25	28	32	36	36	40	40
code	EF5B	EF8B	EF12B	EF15B	EF20B	EF25B	EF32B	EF40B	EF50B

M - Socket

F316L body



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
length	25	28	32	36	42	45	55	55	60	65	72
code	M5B	M8B	M12B	M15B	M20B	M25B	M32B	M40B	M50B	M65B	M80B

CFF - 90° Equal elbow female/female

CF8M body



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	CFF5B	CFF8B	CFF12B	CFF15B	CFF20B	CFF25B	CFF32B	CFF40B	CFF50B

CMF - 90° Equal street elbow male/female

CF8M body



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
code	CMF5B	CMF8B	CMF12B	CMF15B	CMF20B	CMF25B	CMF32B	CMF40B	CMF50B	CMF65B	CMF80B

TE - Equal tee female

CF8M body



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	TE5B	TE8B	TE12B	TE15B	TE20B	TE25B	TE32B	TE40B	TE50B

CX - Equal cross female

CF8M body



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	CX5B	CX8B	CX12B	CX15B	CX20B	CX25B	CX32B	CX40B	CX50B

RFF - Reducing socket female/female

F316L body



Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	2"-1 1/2"
code	RFF85B	RFF128B	RFF1512B	RFF2015B	RFF2520B	RFF5040B

RFF - Double reducing socket female/female

F316L body



Ø	12,9 mm	3/4"-3/8"	1"-1/2"	2"-1 1/4"
code	RFF158B	RFF2012B	RFF2515B	RFF5032B



RMF - Reducing bush

F316L body

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4	2"-1"1/2
code	RMF85B	RMF128B	RMF1512B	RMF2015B	RMF2520B	RMF3225B	RMF4032B	RMF5040B



RMF - Double reducing bush

F316L body

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"1/4-3/4"	1"1/2-1"
code	RMF125B	RMF158B	RMF2012B	RMF3220B	RMF4025B



RMF - Triple reducing bush

F316L body

Ø	1/2"-1/8"	3/4"-1/4"	1"-1/4"	1"1/2-3/4"
code	RMF155B	RMF208B	RMF258B	RMF4020B



RMM - Reducing hexagonal nipple

F316L body

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	2"-1"1/2
code	RMM85B	RMM128B	RMM1512B	RMM2015B	RMM2520B	RMM3225B	RMM5040B



RMM - Double reducing hexagonal nipple

F316L body

Ø	3/8"-1/8"	1/2"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"
code	RMM125B	RMM155B	RMM158B	RMM2012B	RMM2515B



MH - Equal hexagonal nipple

CF8M body

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
code	MH5B	MH8B	MH12B	MH15B	MH20B	MH25B	MH32B	MH40B	MH50B



MHS - Weld end hexagonal nipple

F316L body

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
code	MHS5B	MHS8B	MHS12B	MHS15B	MHS20B	MHS25B	MHS32B	MHS40B	MHS50B



BHC - Square hole plug

F316L body

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"
code	BHC5B	BHC8B	BHC12B	BHC15B	BHC20B	BHC25B



BM - Hexagonal plug

F316L body

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
code	BM5B	BM8B	BM12B	BM15B	BM20B	BM25B	BM32B	BM40B	BM50B



BF - Hexagonal cap

F316L body

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
code	BF8B	BF12B	BF15B	BF20B	BF25B	BF32B	BF40B	BF50B

Forged stainless steel union fittings - 1000 psi

■ Forged 3 piece unions - Conical bearing /



Individual
packing

Excluded from 2014/68/EC Directive (art. §4, 3) - For all common fluids - Material: F316L body - BSP thread acc. to ISO 7.1 - Conical bearing - PS: 60 bar - TS: -25°C/+180°C.

2069 - Equal union butt welding/butt welding



Ø	8	10	15	20	25	32	40	50
length (mm)	40	45	48	52	55	56	58	62
code	2069008	2069010	2069015	2069020	2069025	2069032	2069040	2069050

2067 - Equal union male/butt welding



Ø	1/4"-8	3/8"-10	1/2"-15	3/4"-20	1"-25	1 1/4"-32	1 1/2"-40	2"-50
length (mm)	40	47	52	59	64	65	65	73
code	2067208	2067310	2067415	2067520	2067625	2067732	2067840	2067950

2068 - Equal union female/butt welding



Ø	1/4"-8	3/8"-10	1/2"-15	3/4"-20	1"-25	1 1/4"-32	1 1/2"-40	2"-50
length (mm)	31	35	40	45	50	53	53	61
code	2068208	2068310	2068415	2068520	2068625	2068732	2068840	2068950

2064 - Equal union male/male



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	50	57	66	71	80	82	85	95
code	2064002	2064003	2064004	2064005	2064006	2064007	2064008	2064009

2066 - Equal union male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	41	45	54	57	66	70	73	83
code	2066002	2066003	2066004	2066005	2066006	2066007	2066008	2066009

2065 - Equal union female/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	29	34	34	38	44	50	53	54
code	2065002	2065003	2065004	2065005	2065006	2065007	2065008	2065009

■ Forged 3 piece unions - Conical bearing /



Individual
packing

Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316L body - NPT thread acc. to B1.20.1 - Conical bearing - PS: 64 bar up to 2", 40 bar above - TS: -25°C/+180°C - Products can be sourced from several suppliers.

3.1

see p. 22

LL - Equal union butt welding/butt welding



Ø	8	12	15	20	25	32	40	50	65	80	100
length (mm)	40	45	48	52	55	56	58	62	81	96	130
code	LL8	LL12	LL15	LL20	LL25	LL32	LL40	LL50	LL65	LL80	LL100

LM - Equal union male/butt welding



Ø	1/4"-8	3/8"-12	1/2"-15	3/4"-20	1"-25	1 1/4"-32	1 1/2"-40	2"-50
length (mm)	40	47	52	59	64	65	65	73
code	LM8B	LM12B	LM15B	LM20B	LM25B	LM32B	LM40B	LM50B



LF - Equal union butt welding/female

Ø	1/4"-8	3/8"-12	1/2"-15	3/4"-20	1"-25	1 1/4"-32	1 1/2"-40	2"-50
length (mm)	31	35	40	45	50	53	53	61
code	LF8B	LF12B	LF15B	LF20B	LF25B	LF32B	LF40B	LF50B



MM - Equal union male/male

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	46	53	60	71	80	81	82	92
code	MM8B	MM12B	MM15B	MM20B	MM25B	MM32B	MM40B	MM50B



MF - Equal union male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	38	42	49	57	66	70	71	79
code	MF8B	MF12B	MF15B	MF20B	MF25B	MF32B	MF40B	MF50B



FF - Equal union female/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	29	34	34	38	44	50	53	54
code	FF8B	FF12B	FF15B	FF20B	FF25B	FF32B	FF40B	FF50B



LLR - Reducing union butt welding>butt welding

Ø	8-5	12-8	15-12	20-15	25-20	32-25	40-32	50-40
length (mm)	40	45	48	52	55	56	58	62
code	LLR85	LLR128	LLR1512	LLR2015	LLR2520	LLR3225	LLR4032	LLR5040



LFR - Reducing union butt welding>female

Ø	8-1 1/8"	12-1 1/4"	15-3/8"	20-1 1/2"	25-3/4"	32-1"	40-1 1/4"	50-1 1/2"
length (mm)	32	36	40	46	46	53	53	56
code	LFR85B	LFR128B	LFR1512B	LFR2015B	LFR2520B	LFR3225B	LFR4032B	LFR5040B



FLR - Reducing union female>butt welding

Ø	1/4"-5	3/8"-8	1/2"-12	3/4"-15	1"-20	1 1/4"-25	1 1/2"-32	2"-40
length (mm)	32	36	40	46	46	50	53	56
code	FLR85B	FLR128B	FLR1512B	FLR2015B	FLR2520B	FLR3225B	FLR4032B	FLR5040B



FFR - Reducing union female>female

Ø	3/8"-1 1/4"	1/2"-3/8"	3/4"-1 1/2"	1"-3/4"	1 1/4"-1"	1 1/2"-1 1/4"	2"-1 1/2"
length (mm)	30	34	37	47	50	53	56
code	FFR128B	FFR1512B	FFR2015B	FFR2520B	FFR3225B	FFR4032B	FFR5040B

■ Forged 3 piece unions - Flat bearing /



**Individual
packing**

Excluded from 2014/68/EU Directive (art. 4.3) - For all common fluids - Material: F316L body - Flat bearing with PTFE gasket as standard - PS: 40 bar - TS: -20°C/+180°C - Products can be sourced from several suppliers.

LLP - Equal union butt welding/butt welding



Ø	8	12	15	20	25	32	40	50	65
length (mm)	40	45	48	52	55	56	58	62	81
code	LLP8	LLP12	LLP15	LLP20	LLP25	LLP32	LLP40	LLP50	LLP65

LMP - Equal union butt welding/male



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
length (mm)	40	47	52	59	64	65	65	73	91
code	LMP8G	LMP12G	LMP15G	LMP20G	LMP25G	LMP32G	LMP40G	LMP50G	LMP65G

LFP - Equal union butt welding/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	31	35	40	45	50	53	53	61
code	LFP8G	LFP12G	LFP15G	LFP20G	LFP25G	LFP32G	LFP40G	LFP50G

MMP - Equal union male/male



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
length (mm)	46	53	60	71	80	81	82	92	108
code	MMP8G	MMP12G	MMP15G	MMP20G	MMP25G	MMP32G	MMP40G	MMP50G	MMP65G

MFP - Equal union male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
length (mm)	38	42	49	57	66	70	71	79	88
code	MFP8G	MFP12G	MFP15G	MFP20G	MFP25G	MFP32G	MFP40G	MFP50G	MFP65G

FFP - Equal union female/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	29	34	34	38	44	50	53	54
code	FFP8G	FFP12G	FFP15G	FFP20G	FFP25G	FFP32G	FFP40G	FFP50G

LCP - Equal union butt welding/hose end



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	46	52	59	67	75	79	77	88
code	LCP8	LCP12	LCP15	LCP20	LCP25	LCP32	LCP40	LCP50

MCP - Equal union male/hose end



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	46	53	63	74	84	88	84	100
code	MCP8G	MCP12G	MCP15G	MCP20G	MCP25G	MCP32G	MCP40G	MCP50G

FCP - Equal union female/hose end



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	37	41	51	60	70	76	72	87
code	FCP8G	FCP12G	FCP15G	FCP20G	FCP25G	FCP32G	FCP40G	FCP50G

JTRU - Flat gasket



Ø	8	12	15	20	25	32	40	50	65
thickness (mm)	1,5	1,5	2	2	2	2	3	3	2
PTFE code	JTRU8	JTRU12	JTRU15	JTRU20	JTRU25	JTRU32	JTRU40	JTRU50	JTRU65
FKM code	JVRU8	JVRU12	JVRU15	JVRU20	JVRU25	JVRU32	JVRU40	JVRU50	JVRU65

Ring fittings

■ Single cutting ring fittings



Individual
packing

Acc. to ISO 8434-1 / DIN 2353 - Stainless steel 316Ti - For fluid power use - 24° cone connectors - PS: see tables - Products can be sourced from several suppliers.



UMS - Male straight union

Ø	6	6	6	6	8	8	8	8	10	10	10	12	12
G	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	3/8"	1/2"
PS (bar)	315	315	315	315	315	315	315	315	315	315	315	315	315
code	UMS65	UMS68	UMS612	UMS615	UMS85	UMS88	UMS812	UMS815	UMS108	UMS1012	UMS1015	UMS1212	UMS1215

Ø	14	14	14	16	16	16	18	20	20	25	25
G	3/8"	1/2"	3/4"	3/8"	1/2"	3/4"	1/2"	1/2"	3/4"	3/4"	1"
PS (bar)	630	630	630	630	630	630	315	630	630	630	630
code	UMS1412	UMS1415	UMS1420	UMS1612	UMS1615	UMS1620	UMS1815	UMS2015	UMS2020	UMS2520	UMS2525



UDS - Double straight union

Ø	6	8	10	12	14	16	18
PS (bar)	315	315	315	315	630	630	315
code	UDS6	UDS8	UDS10	UDS12	UDS14	UDS16	UDS18



EQMS - Male elbow union



Ø	6	8	10	12	14
G	1/8"	1/4"	1/4"	3/8"	1/2"
PS (bar)	315	315	315	315	630
code	EQMS65	EQMS88	EQMS108	EQMS1212	EQMS1415



EQS - Equal elbow union

Ø	6	8	10	12	14	16	18	20	25
PS (bar)	315	315	315	315	630	630	315	630	630
code	EQS6	EQS8	EQS10	EQS12	EQS14	EQS16	EQS18	EQS20	EQS25



TES - Equal tee union

Ø	6	8	10	12	14	16	18
PS (bar)	315	315	315	315	630	630	315
code	TES6	TES8	TES10	TES12	TES14	TES16	TES18



BS - Spare cutting ring

Ø	6	8	10	12	14
PS (bar)	315	315	315	315	630
code	BS6	BS8	BS10	BS12	BS14



ES - Spare nut

Ø	6	8	10	12	14
PS (bar)	315	315	315	315	630
code	ES6	ES8	ES10	ES12	ES14

■ Double cutting ring fittings



Individual
packing

Stainless steel 316L - Products can be sourced from several suppliers.



RBB - Ball valve

DN	6	8	10	12	16
code	RBB6	RBB8	RBB10	RBB12	RBB16



UM - Male straight union BSP

Ø	6	6	6	6	8	8	8	8	10	10	10
G	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"
code	UM65	UM68	UM612	UM615	UM85	UM88	UM812	UM815	UM108	UM1012	UM1015
Ø	12	12	12	13,7	13,7	14	16	21,3	21,3	21,3	26,9
G	1/4"	3/8"	1/2"	1/4"	1/2"	3/8"	1/2"	1/2"	3/4"	1"	3/4"
code	UM128	UM1212	UM1215	UM138	UM1315	UM1412	UM1615	UM2115	UM2120	UM2125	UM2620



UM - Male straight union NPT

Ø	6	6	6	6	8	8	8	8	10	10	10
G	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"
code	UM65B	UM68B	UM612B	UM615B	UM85B	UM88B	UM812B	UM815B	UM108B	UM1012B	UM1015B
Ø	12	12	12	13,7	13,7						
G	1/4"	3/8"	1/2"	1/4"	1/2"						
code	UM128B	UM1212B	UM1215B	UM138B	UM1315B						



UD - Double straight union

Ø	6	8	10	12	13,7	14	16	17,2	21,3	26,9	33,7
code	UD6	UD8	UD10	UD12	UD13	UD14	UD16	UD17	UD21	UD26	UD33



UF - Female straight union

Ø	6	6	6	6	8	8	8	8	10	10	10	12	12	12
G	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"
code	UF65	UF68	UF612	UF615	UF85	UF88	UF812	UF815	UF108	UF1012	UF1015	UF128	UF1212	UF1215



TC - Bulkhead straight union

Ø	6	8	10	12
code	TC6	TC8	TC10	TC12



EQD - Equal elbow

Ø	6	8	10	12	14
code	EQD6	EQD8	EQD10	EQD12	EQD14



TED - Equal tee

Ø	6	8	10	12	14
code	TED6	TED8	TED10	TED12	TED14



EQM - Male elbow

Ø	6	6	6	6	8	8	8	8	10	10	10	12	12	12
G	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"
code	EQM65	EQM68	EQM612	EQM615	EQM85	EQM88	EQM812	EQM815	EQM108	EQM1012	EQM1015	EQM128	EQM1212	EQM1215



BAR - Spare rear cutting ring

Ø	6	8	10	12
code	BAR6	BAR8	BAR10	BAR12



BAV - Spare front cutting ring

Ø	6	8	10	12
code	BAV6	BAV8	BAV10	BAV12



INS - Insert for hoses

Ø	6	8	10	12
code	INS6	INS8	INS10	INS12

Forged stainless steel fittings - 3000 lbs



**Individual
packing**

Main use: oil & gas, chemical, petrochemical industries - Manufactured acc. to ANSI B16.11 - NPT thread acc. to ANSI B1.20.1 - 3000 lbs fitting standard corresponds to schedule 80 pipe standard - Materials: 304L & 316L - PS: 150 bar - Products can be sourced from several suppliers.

3.1
see p. 22

■ Pipe nipples



4EM - Half nipple schedule 80

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	36	36	36	36	36	48	48	48
316L code	4EM8	4EM12	4EM15	4EM20	4EM25	4EM32	4EM40	4EM50



4MCL - Barrel nipple length 75 mm

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
316L code	4MCL758	4MCL7512	4MCL7515	4MCL7520	4MCL7525	4MCL7532	4MCL7540	4MCL7550



4MC - Barrel nipple length 100 mm

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
316L code	4MC8	4MC12	4MC15	4MC20	4MC25	4MC32	4MC40	4MC50

■ Threaded fittings



2DM/4DM - Half socket

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
length (mm)	17,5	19	24	25,5	30	33,5	39,5	43
304L code	2DM8	2DM12	2DM15	2DM20	2DM25	2DM32	2DM40	-
316L code	4DM8	4DM12	4DM15	4DM20	4DM25	4DM32	4DM40	4DM50



2MA/4MA - Equal socket

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"
length (mm)	35	38	48	51	60	67	79
304L code	2MA8	2MA12	2MA15	2MA20	2MA25	2MA32	-
316L code	-	4MA12	4MA15	4MA20	4MA25	4MA32	4MA40



2CFF/4CFF - 90° equal elbow female/female

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
304L code	2CFF8	2CFF12	2CFF15	2CFF20	2CFF25	2CFF32	2CFF40	2CFF50
316L code	4CFF8	4CFF12	4CFF15	4CFF20	4CFF25	4CFF32	4CFF40	4CFF50



2CFF45/4CFF45 - 45° equal elbow female/female

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
304L code	2CFF458	2CFF4512	2CFF4515	2CFF4520	2CFF4525	2CFF4532	-	-
316L code	4CFF458	4CFF4512	4CFF4515	4CFF4520	4CFF4525	4CFF4532	4CFF4540	4CFF4550

2CMF/4CMF - 90° equal street elbow male/female



NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"
316L code	4CMF8	4CMF12	4CMF15	4CMF20	4CMF25	4CMF32

2T/4T - Equal tee female



NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
304L code	2T8	2T12	2T15	2T20	2T25	2T32	2T40	2T50
316L code	4T8	4T12	4T15	4T20	4T25	4T32	4T40	4T50

2RFF/4RFF - Reducing socket female/female



NPS	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"	1"-1/2"
length (mm)	-	38	48	48	51	51	51	60
304L code	2RFF85	2RFF128	2RFF158	2RFF1512	-	2RFF2012	2RFF2015	2RFF2515
316L code	4RFF85	4RFF128	4RFF158	4RFF1512	4RFF208	4RFF2012	4RFF2015	4RFF2515
NPS	1"-3/4"	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/2"			
length (mm)	60	67	79	79	86			
304L code	2RFF2520	2RFF3225	-	-	-			
316L code	4RFF2520	4RFF3225	4RFF4025	4RFF4032	4RFF5040			

2RMF/4RMF - Hexagonal reducing bush



NPS	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-1/4"	3/4"-3/8"	3/4"-1/2"	1"-3/8"
length (mm)	-	17	20	20	22	22	22	25
304L code	2RMF85	2RMF128	2RMF158	2RMF1512	2RMF208	2RMF2012	2RMF2015	2RMF2512
316L code	4RMF85	4RMF128	4RMF158	4RMF1512	4RMF208	4RMF2012	4RMF2015	4RMF2512
NPS	1"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/4"		
length (mm)	25	25	28	29	29	31		
304L code	2RMF2515	2RMF2520	2RMF3225	2RMF4025	2RMF4032	2RMF5032		
316L code	4RMF2515	4RMF2520	4RMF3225	4RMF4025	4RMF4032	4RMF5032		

2RMM/4RMM - Reducing hexagonal nipple



NPS	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"
length (mm)	31	39	43	44	46	50	55	56
304L code	2RMM85	2RMM128	2RMM158	2RMM1512	2RMM2012	2RMM2015	2RMM2515	2RMM2520
316L code	4RMM85	4RMM128	4RMM158	4RMM1512	4RMM2012	4RMM2015	4RMM2515	4RMM2520
NPS	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/2"				
length (mm)	60	67	62	70				
304L code	2RMM3225	2RMM4025	2RMM4032	2RMM5040				
316L code	4RMM3225	4RMM4025	4RMM4032	4RMM5040				



2BO/4BO - NPT welding coupler

NPS	1/4"-8	3/8"-12	1/2"-15	3/4"-20	1"-25	1"1/4-32	1"1/2-40	2"-50
length (mm)	30,5	30,5	33,5	35	43	48	51	57,5
304L code	2BO8	2BO12	2BO15	2BO20	2BO25	2BO32	2BO40	2BO50
316L code	4BO8	4BO12	4BO15	4BO20	4BO25	4BO32	4BO40	4BO50



2MH/4MH - Equal hexagonal nipple

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
length (mm)	36	40	48	52	60	64	68	71
304L code	2MH8	2MH12	2MH15	2MH20	2MH25	2MH32	2MH40	2MH50
316L code	4MH8	4MH12	4MH15	4MH20	4MH25	4MH32	4MH40	-



2BM/4BM - Hexagonal plug

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
length (mm)	17	21	23	26	29	35	37	39
304L code	2BM8	2BM12	2BM15	2BM20	2BM25	2BM32	2BM40	-
316L code	4BM8	4BM12	4BM15	4BM20	4BM25	4BM32	4BM40	4BM50



2BF/4BF - Cap

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
length (mm)	25	25	32	37	41	44	44	48
304L code	2BF8	2BF12	2BF15	2BF20	2BF25	2BF32	2BF40	2BF50
316L code	4BF8	4BF12	4BF15	4BF20	4BF25	4BF32	4BF40	-



2MF/4MF - Equal union male/female

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
length (mm)	63	69	77	80	97	101	110	120
304L code	2MF8	2MF12	2MF15	2MF20	2MF25	2MF32	2MF40	2MF50
316L code	4MF8	4MF12	4MF15	4MF20	4MF25	4MF32	4MF40	4MF50



2FF/4FF - Equal union female/female

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
length (mm)	42,5	47,5	52	57	63	70	78	89
304L code	2FF8	2FF12	2FF15	2FF20	2FF25	2FF32	2FF40	2FF50
316L code	4FF8	4FF12	4FF15	4FF20	4FF25	4FF32	4FF40	4FF50

■ Welding fittings

2DMW/4DMW - Half socket



Ø	8	12	15	20	25	32	40	50
length (mm)	27	28	33	36	42	43	45	56
304L code	2DMW8	2DMW12	2DMW15	2DMW20	2DMW25	2DMW32	2DMW40	2DMW50
316L code	4DMW8	4DMW12	4DMW15	4DMW20	4DMW25	4DMW32	4DMW40	4DMW50

2MAW/4MAW - Equal socket



Ø	8	12	15	20	25	32	40	50
length (mm)	26	26	29	34	37	38	38	51
304L code	2MAW8	2MAW12	2MAW15	2MAW20	2MAW25	2MAW32	2MAW40	2MAW50
316L code	4MAW8	4MAW12	4MAW15	4MAW20	4MAW25	4MAW32	4MAW40	4MAW50

2CFFW/4CFFW - 90° equal elbow



Ø	8	12	15	20	25	32	40	50
304L code	2CFFW8	2CFFW12	2CFFW15	2CFFW20	2CFFW25	2CFFW32	2CFFW40	-
316L code	4CFFW8	4CFFW12	4CFFW15	4CFFW20	4CFFW25	4CFFW32	4CFFW40	4CFFW50

2CFFW45/4CFFW45 - 45° equal elbow



Ø	8	12	15	20	25	32	40	50
304L code	2CFFW458	2CFFW4512	2CFFW4515	2CFFW4520	2CFFW4525	2CFFW4532	2CFFW4540	2CFFW4550
316L code	4CFFW458	4CFFW4512	4CFFW4515	4CFFW4520	4CFFW4525	4CFFW4532	4CFFW4540	-

2TW/4TW - Equal tee



Ø	8	12	15	20	25	32	40	50
304L code	2TW8	2TW12	2TW15	2TW20	2TW25	2TW32	2TW40	2TW50
316L code	4TW8	4TW12	4TW15	4TW20	4TW25	4TW32	4TW40	4TW50

2RFFW/4RFFW - Reducing socket



Ø	12-8	15-8	15-12	20-8	20-12	20-15	25-15	25-20
length (mm)	25	29	29	35	35	35	38	38
304L code	2RFFW128	2RFFW158	2RFFW1512	2RFFW208	2RFFW2012	2RFFW2015	2RFFW2515	2RFFW2520
316L code	4RFFW128	4RFFW158	4RFFW1512	4RFFW208	4RFFW2012	4RFFW2015	4RFFW2515	4RFFW2520

Ø	32-20	32-25	40-25	40-32
length (mm)	38	38	38	38
304L code	2RFFW3220	2RFFW3225	2RFFW4025	-
316L code	4RFFW3220	4RFFW3225	4RFFW4025	4RFFW4032

2BOW/4BOW - Couplet



Ø	8	12	15	20	25	32	40	50
length (mm)	30,5	30,5	33,5	35	43	48	51	57,5
304L code	2BOW8	2BOW12	2BOW15	2BOW20	2BOW25	2BOW32	2BOW40	2BOW50
316L code	4BOW8	4BOW12	4BOW15	4BOW20	4BOW25	4BOW32	4BOW40	4BOW50

2BFW/4BFW - Cap



Ø	8	12	15	20	25	32	40	50
length (mm)	15	17	19	23	26	28	30	36
304L code	2BFW8	2BFW12	2BFW15	2BFW20	2BFW25	2BFW32	2BFW40	2BFW50
316L code	4BFW8	4BFW12	4BFW15	4BFW20	4BFW25	4BFW32	4BFW40	4BFW50

2FFW/4FFW - Equal union



Ø	8	12	15	20	25	32	40	50
length (mm)	42,5	47,5	52	57	63	70	78	89
304L code	2FFW8	2FFW12	2FFW15	2FFW20	2FFW25	2FFW32	2FFW40	2FFW50
316L code	4FFW8	4FFW12	4FFW15	4FFW20	4FFW25	4FFW32	4FFW40	4FFW50

Carbon steel pipe fittings



**Mandatory
packing applies**

Manufacturing from seamless pipe acc. to EN 10253-1 or EN 10253-2 - Individual marking - Chamfer for Ø 88.9 and above (Ø 168.3 and above for caps) - General use - Material: carbon steel S235 - Coating: hot-dipped galvanised or electro-galvanised - Galvanised coating for drinking water compatibility - Welding connection - TS: -20°C / +300°C.

C3DN/C3DG - 3D 90° equal elbow (EN 10253-1)



Ø	21.3	26.9	33.7	42.4	48.3	60.3	70	76.1	88.9	101.6	108
thickness (mm)	2.0	2.3	2.6	2.6	2.6	2.9	2.9	2.9	3.2	3.6	3.6
pack	20	20	10	10	10	5	1	1	1	1	1
black code	C3DN21	C3DN26	C3DN33	C3DN42	C3DN48	C3DN60	C3DN70	C3DN76	C3DN88	C3DN101	C3DN108
pack	20	20	10	10	10	5	1	1	1	-	-
galv. code	C3DG21	C3DG26	C3DG33	C3DG42	C3DG48	C3DG60	C3DG70	C3DG76	C3DG88	-	-
Ø	114.3	133	139.7	159	168.3	193.7	219.1	273	323.9	355.6	406.4
thickness (mm)	3.6	4.0	4.0	4.5	4.5	5.6	6.3	6.3	7.1	8.0	8.8
pack	1	1	1	1	1	1	1	1	1	1	1
black code	C3DN114	C3DN133	C3DN139	C3DN159	C3DN168	C3DN193	C3DN219	C3DN273	C3DN323	C3DN355	C3DN406
pack	1	1	1	1	1	-	1	-	-	-	-
galv. code	C3DG114	C3DG133	C3DG139	C3DG159	C3DG168	-	C3DG219	-	-	-	-

C3DN-90° - 3D 90° equal elbow (EN 10253-2)



Ø	21.3	26.9	33.7	42.4	48.3	60.3	70	76.1	88.9	101.6	108
thickness (mm)	2.6	2.6	3.2	3.6	3.6	3.6	2.9	3.6	4	3.6	4
pack	20	20	10	10	10	5	1	1	1	1	1
black code	C3DN21EN2	C3DN26EN2	C3DN33EN2	C3DN42EN2	C3DN48EN2	C3DN60EN2	C3DN70EN2	C3DN76EN2	C3DN88EN2	C3DN101EN2	C3DN108EN2
Ø	114.3	133	139.7	159	168.3						
thickness (mm)	4.5	4	4	4.5	4.5						
pack	1	1	1	1	1						
black code	C3DN114EN2	C3DN133EN2	C3DN139EN2	C3DN159EN2	C3DN168EN2						

**C3DNR - 3D 180° return bend (EN 10253-1)**

Ø	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3
thickness (mm)	2.3	2.6	2.6	2.6	2.9	2.9	3.2	3.6	4.0	4.5
pack	10	10	10	10	1	1	1	1	1	1
black code	C3DNR26	C3DNR33	C3DNR42	C3DNR48	C3DNR60	C3DNR76	C3DNR88	C3DNR114	C3DNR139	C3DNR168

**C5DN - 5D 90° elbow (EN 10253-1)**

Ø	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	101.6
thickness (mm)	2.0	2.3	2.6	2.6	2.6	2.9	2.9	3.2	2.9
pack	20	10	10	10	10	5	1	1	1
black code	C5DN21	C5DN26	C5DN33	C5DN42	C5DN48	C5DN60	C5DN76	C5DN88	C5DN101

Ø	108	114.3	133	139.7	159*	168.3	219.1*	273*
thickness (mm)	3.6	3.6	4	4.0	4.5	4.5	6.3	6.3
pack	1	1	1	1	1	1	1	1
black code	C5DN108	C5DN114	C5DN133	C5DN139	C5DN159	C5DN168	C5DN219	C5DN273

*not included in EN 10253-1.

**RSN / RSG - Concentric reducer (EN 10253-1)**

Ø	26.9-21.3*	33.7-21.3*	33.7-26.9	42.4-21.3*	42.4-26.9	42.4-33.7	48.3-26.9	48.3-33.7	48.3-42.4
height (mm)	38	51	35	51	51	39	67	55	38
pack	10	10	10	1	5	5	5	5	1
black code	RSN2621	RSN3321	RSN3326	RSN4221	RSN4226	RSN4233	RSN4826	RSN4833	RSN4842
galv. code	-	-	-	-	-	-	-	RSG4833	RSG4842

Ø	60.3-33.7	60.3-42.4	60.3-48.3	76.1-42.4	76.1-48.3	76.1-60.3	88.9-48.3	88.9-60.3	88.9-76.1
height (mm)	77	61	50	95	84	63	108	86	56
pack	1	1	1	1	1	1	1	1	1
black code	RSN6033	RSN6042	RSN6048	RSN7642	RSN7648	RSN7660	RSN8848	RSN8860	RSN8876
galv. code	-	RSG6042	RSG6048	-	RSG7648	RSG7660	-	RSG8860	RSG8876

Ø	114.3-60.3	114.3-76.1	114.3-88.9	139.7-76.1	139.7-88.9	139.7-114.3	168.3-88.9	168.3-114.3	168.3-139.7
height (mm)	143	114	90	159	135	88	189	141	94
pack	1	1	1	1	1	1	1	1	1
black code	RSN11460	RSN11476	RSN11488	RSN13976	RSN13988	RSN139114	RSN16888	RSN168114	RSN168139
galv. code	RSG11460	RSG11476	RSG11488	RSG13976	RSG13988	RSG139114	RSG16888	RSG168114	RSG168139

Ø	219.1-114.3	219.1-139.7	219.1-168.3	273.0-139.7	273.0-168.3	273.0-219.1	323.9-219.1
height (mm)	210	170	130	250	220	130	215
pack	1	1	1	1	1	1	1
black code	RSN219114	RSN219139	RSN219168	RSN273139	RSN273168	RSN273219	RSN323219
galv. code	RSG219114	RSG219139	RSG219168	-	-	-	-

*supplied in EN 10253-1 Design 2

RSN - Concentric reducer (EN 10253-2)

Ø	26,9-21,3	33,7-26,9	42,4-33,7	48,3-42,4	60,3-48,3	76,1-60,3	88,9-76,1	114,3-88,9
pack	1	1	1	1	1	1	1	1
black code	RSN2621EN2	RSN3326EN2	RSN4233EN2	RSN4842EN2	RSN6048EN2	RSN7660EN2	RSN8876EN2	RSN11488EN2



**RSNE - Eccentric reducer (EN 10253-2)**

Ø	33.7-21.3	33.7-26.9	42.4-26.9	42.4-33.7	48.3-26.9	48.3-33.7	48.3-42.4	60.3-33.7	60.3-42.4
height (mm)	51	35	51	39	67	55	38	77	61
pack	1	1	1	1	1	1	1	1	1
black code	RSNE3321	RSNE3326	RSNE4226	RSNE4233	RSNE4826	RSNE4833	RSNE4842	RSNE6033	RSNE6042
Ø	60.3-48.3	76.1-48.3	76.1-60.3	88.9-48.3	88.9-60.3	88.9-76.1	114.3-60.3	114.3-76.1	114.3-88.9
height (mm)	50	84	63	108	86	56	143	114	90
pack	1	1	1	1	1	1	1	1	1
black code	RSNE6048	RSNE7648	RSNE7660	RSNE8848	RSNE8860	RSNE8876	RSNE11460	RSNE11476	RSNE11488
Ø	139.7-76.1	139.7-88.9	139.7-114.3	168.3-88.9	168.3-114.3	168.3-139.7	219.0-114.3	219.1-139.7	219.0-168.3
height (mm)	159	135	88	189	141	94	210	170	130
pack	1	1	1	1	1	1	1	1	1
black code	RSNE13976	RSNE13988	RSNE139114	RSNE16888	RSNE168114	RSNE168139	RSNE219114	RSNE219139	RSNE219168
Ø	273.0-168.3	273.0-219.1							
height (mm)	220	130							
pack	1	1							
black code	RSNE273168	RSNE273219							

**TASN - Equal tee (EN 10253-1)**

Ø	21.3*	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3
thickness (mm)	2.0	2.3	2.6	2.6	2.6	2.9	2.9	3.2	3.6
pack	5	5	1	1	1	1	1	1	1
black code	TASN21	TASN26	TASN33	TASN42	TASN48	TASN60	TASN76	TASN88	TASN114
Ø	133.0*	139.7	168.3	219.1	273.0	323.9			
thickness (mm)	4.0	4.0	4.5	6.3	6.3	7.1			
pack	1	1	1	1	1	1			
black code	TASN133	TASN139	TASN168	TASN219	TASN273	TASN323			

*Not included in EN 10253-1.

**TASN - Equal tee (EN 10253-2)**

Ø	21,3	26,9	33,7	42,4	48,3	60,3	76,1	88,9	114,3
thickness (mm)	2,6	2,6	3,2	3,6	3,6	3,6	3,6	4	4,5
pack	1	1	1	1	1	1	1	1	1
black code	TASN21EN2	TASN26EN2	TASN33EN2	TASN42EN2	TASN48EN2	TASN60EN2	TASN76EN2	TASN88EN2	TASN114EN2

**FBN/FBG - Cap**

Ø	21.3	26.9	33.7	42.4	48.3	60.3	70	76.1	88.9
height (mm)	2.0	2.3	2.6	2.6	2.6	2.9	2.9	2.9	3.2
pack	20	20	20	20	20	20	20	20	1
black code	FBN21	FBN26	FBN33	FBN42	FBN48	FBN60	FBN70	FBN76	FBN88
galv. code	-	FBG26	FBG33	FBG42	FBG48	FBG60	FBG70	FBG76	FBG88
Ø	101.6	108	114.3	133	139.7	159	168.3	193.7	219.1
height (mm)	3.6	3.6	3.6	4.0	4.5	4.5	4.5	5.6	6.3
pack	1	1	1	1	1	1	1	1	1
black code	FBN101	FBN108	FBN114	FBN133	FBN139	FBN159	FBN168	FBN193	FBN219
galv. code	FBG101	FBG108	FBG114	FBG133	FBG139	FBG159	FBG168	FBG193	FBG219
Ø	244.5	273	323.9	355.6	406.4	508			
height (mm)	6.3	6.3	7.1	8.0	8.8	8.8			
pack	1	1	1	1	1	1			
black code	FBN244	FBN273	FBN323	FBN355	FBN406	FBN508			



**Individual
packing**

Materials: 304L & 316L - Products can be sourced from several suppliers.

3.1
see p. 22

■ Metric standard

21DR/41DR - Welded bend 1,5D



Ø	18	20	23	25	28	30	33	38	43	53
thickness (mm)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
304L code	21DR181	21DR201	21DR231	21DR251	21DR281	21DR301	21DR331	21DR381	21DR431	21DR531
316L code	41DR181	41DR201	41DR231	41DR251	41DR281	41DR301	41DR331	41DR381	41DR431	41DR531
Ø	54	63,5	70	73	84	104	129	154	204	254
thickness (mm)	2	1,5	2	1,5	2	2	2	2	2	2
304L code	21DR542	21DR631	21DR702	21DR731	21DR842	21DR1042	21DR1292	21DR1542	21DR2042	21DR2542
316L code	41DR542	41DR631	41DR702	41DR731	-	41DR1042	41DR1292	41DR1542	41DR2042	41DR2542

2TSS/4TSS - Welded tee without sleeve



Ø	23	28	33	38	43	54	84	104	129	154	204
thickness (mm)	1,5	1,5	1,5	1,5	1,5	2	2	2	2	2	2
304L code	2TSS231	2TSS281	2TSS331	2TSS381	2TSS431	2TSS542	2TSS842	2TSS1042	2TSS1292	2TSS1542	2TSS2042
316L code	-	4TSS281	4TSS331	4TSS381	4TSS431	4TSS542	4TSS842	4TSS1042	4TSS1292	4TSS1542	-

2R/4R - Welded concentric reducer



Ø	44-24	44-34	54-24	54-34	54-44	64-44	64-54	69-44	69-54	74-44
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R4424	2R4434	2R5424	2R5434	2R5444	2R6444	2R6454	2R6944	2R6954	2R7444
316L code	4R4424	4R4434	4R5424	4R5434	4R5444	4R6444	4R6454	4R6944	4R6954	4R7444
Ø	74-54	74-64	84-44	84-54	84-64	84-69	84-74	104-54	104-69	104-74
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R7454	2R7464	2R8444	2R8454	2R8464	2R8469	2R8474	2R10454	2R10469	2R10474
316L code	4R7454	4R7464	4R8444	4R8454	4R8464	4R8469	4R8474	4R10454	4R10469	4R10474
Ø	104-84	129-84	129-104	154-84	154-104	154-129	204-104	204-129	204-154	254-154
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R10484	2R12984	2R129104	2R15484	2R154104	2R154129	2R204104	2R204129	2R204154	2R254154
316L code	4R10484	4R12984	4R129104	4R15484	4R154104	4R154129	4R204104	4R204129	4R204154	4R254154

2FB/4FB - Cap



Ø	28	34	38	44	51	54	64	69	74
304L code	2FB28	2FB34	2FB38	2FB44	2FB51	2FB54	2FB64	2FB69	2FB74
316L code	4FB28	4FB34	4FB38	4FB44	4FB51	4FB54	4FB64	4FB69	4FB74
Ø	84	104	129	154	204	254	304	354	
304L code	2FB84	2FB104	2FB129	2FB154	2FB204	2FB254	2FB304	2FB354	
316L code	4FB84	4FB104	4FB129	4FB154	4FB204	4FB254	4FB304	4FB354	

2CMM/4CMM - Pressed collar A-type



Ø	18	24	28	38	44	54	64	69	74	84
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	-	2CMM24	2CMM28	2CMM38	2CMM44	2CMM54	2CMM64	2CMM69	2CMM74	2CMM84
316L code	4CMM18	4CMM24	4CMM28	4CMM38	4CMM44	4CMM54	4CMM64	4CMM69	4CMM74	4CMM84

Ø	104	129	154	204	254	304	354
thickness (mm)	2	2	2	2	2	2	2
304L code	2CMM104	2CMM129	2CMM154	2CMM204	2CMM254	2CMM304	-
316L code	4CMM104	4CMM129	4CMM154	4CMM204	4CMM254	4CMM304	4CMM354

ISO standard

23DR/43DR - Welded bend 3D



Ø	13,5	13,5	17,2	17,2	21,3	21,3	21,3	21,3	21,3	21,3
thickness (mm)	1,6	2,3	1,6	2,3	1,6	2	2,6	1,6	2	2,6
304L code	23DR131	23DR13G	23DR171	23DR17G	23DR211	23DR212	23DR21G	23DR21138	23DR21238	23DR21G38
316L code	43DR131	43DR13G	43DR171	43DR17G	43DR211	43DR212	43DR21G	43DR21138	43DR21238	43DR21G38

Ø	26,9	26,9	26,9	33,7	33,7	33,7	42,4	42,4	42,4	48,3
thickness (mm)	1,6	2	2,6	1,6	2	3,2	1,6	2	3,2	1,6
304L code	23DR261	23DR262	23DR26G	23DR331	23DR332	23DR33G	23DR421	23DR422	23DR42G	23DR481
316L code	43DR261	43DR262	43DR26G	43DR331	43DR332	43DR33G	43DR421	43DR422	43DR42G	43DR481

Ø	48,3	48,3	60,3	60,3	60,3	60,3	76,1	76,1	76,1	88,9
thickness (mm)	2	3,2	1,6	2	3	3,6	2	3	3,6	2
304L code	23DR482	23DR48G	23DR601	23DR602	23DR603	23DR60G	23DR762	23DR763	23DR76G	23DR882
316L code	43DR482	43DR48G	43DR601	43DR602	43DR603	43DR60G	43DR762	43DR763	43DR76G	43DR882

Ø	88,9	88,9	101,6	114,3	114,3	139,7	139,7	168,3	168,3	219,1
thickness (mm)	3	4	2	2	3	2	3	2	3	2
304L code	23DR883	23DR88G	23DR1012	23DR1142	23DR1143	23DR1392	23DR1393	23DR1682	23DR1683	23DR2192
316L code	43DR883	43DR88G	-	43DR1142	43DR1143	43DR1392	43DR1393	43DR1682	43DR1683	43DR2192

Ø	219,1	273	273	323,9	323,9	355,6	406,4	457
thickness (mm)	3	2	3	2	3	3	3	3
304L code	23DR2193	23DR2732	23DR2733	23DR3232	23DR3233	23DR3553	23DR4063	23DR4573
316L code	43DR2193	43DR2732	43DR2733	43DR3232	43DR3233	43DR3553	43DR4063	-

23DE/43DE - Seamless bend 3D



Ø	13,5	13,5	17,2	17,2	21,3	21,3	21,3	21,3	21,3	26,9
thickness (mm)	1,6	2,3	1,6	2,3	1,6	2	2,6	1,6	2,6	1,6
304L code	23DE131	23DE13G	23DE171	23DE17G	23DE211	23DE212	23DE21G	23DE21138	23DE21G38	23DE261
316L code	43DE131	43DE13G	43DE171	43DE17G	43DE211	43DE212	43DE21G	43DE21138	43DE21G38	43DE261



23DE/43DE - Seamless bend 3D (continued)

Ø	26,9	26,9	33,7	33,7	33,7	42,4	42,4	42,4	48,3
thickness (mm)	2	2,6	1,6	2	3,2	1,6	2	3,2	1,6
304L code	23DE262	23DE26G	23DE331	23DE332	23DE33G	23DE421	23DE422	23DE42G	23DE481
316L code	43DE262	43DE26G	43DE331	43DE332	43DE33G	43DE421	43DE422	43DE42G	43DE481
Ø	48,3	48,3	60,3	60,3	76,1	76,1	88,9	88,9	
thickness (mm)	2	3,2	2	3,6	2	3,6	2	4	
304L code	23DE482	23DE48G	23DE602	23DE60G	23DE762	23DE76G	23DE882	23DE88G	
316L code	43DE482	43DE48G	43DE602	43DE60G	43DE762	43DE76G	43DE882	43DE88G	



2TSS/4TSS - Welded tee without sleeve

Ø	13,5	17,2	21,3	26,9	33,7	42,4	48,3	60,3	76,1
thickness (mm)	1,6	1,6	1,6	1,6	2	2	2	2	2
304L code	2TSS131	2TSS171	2TSS211	2TSS261	2TSS332	2TSS422	2TSS482	2TSS602	2TSS762
316L code	4TSS131	4TSS171	4TSS211	4TSS261	4TSS332	4TSS422	4TSS482	4TSS602	4TSS762
Ø	88,9	114,3	114,3	139,7	168,3	219,1	273		
thickness (mm)	2	2	3	2	2	2	2		
304L code	2TSS882	2TSS1142	2TSS1143	2TSS1392	2TSS1682	2TSS2192	2TSS2732		
316L code	4TSS882	4TSS1142	4TSS1143	4TSS1392	4TSS1682	4TSS2192	4TSS2732		



2TS/4TS - Welded tee with sleeve

Ø	17,2	21,3	26,9	33,7	42,4	48,3	60,3	76,1	88,9
thickness (mm)	1,6	1,6	1,6	2	2	2	2	2	2
304L code	2TS171	2TS211	2TS261	2TS332	2TS422	2TS482	2TS602	2TS762	2TS882
316L code	4TS171	4TS211	4TS261	4TS332	4TS422	4TS482	4TS602	4TS762	4TS882
Ø	114,3	139,7	323,9	406,3	457,2	508	609,6		
thickness (mm)	2	2	3	3	3	3	3		
304L code	2TS1142	2TS1392	2TS3233	2TS4063	2TS4573	2TS5083	2TS6093		
316L code	4TS1142	-	4TS3233	4TS4063	4TS4573	4TS5083	4TS6093		



2TSS/4TSS - Welded reducing tee without sleeve

Ø	26,9-21,3	26,9-17,2	33,7-26,9	33,7-21,3	42,4-33,7	42,4-26,9	48,3-42,4	48,3-33,7	60,3-48,3
thickness (mm)	2	2	2	2	2	2	2	2	2
304L code	2TSS26212	2TSS26172	2TSS33262	2TSS33212	2TSS42332	2TSS42262	2TSS48422	2TSS48332	2TSS60482
316L code	4TSS26212	4TSS26172	4TSS33262	4TSS33212	4TSS42332	4TSS42262	4TSS48422	4TSS48332	4TSS60482
Ø	60,3-42,4	76,1-60,3	76,1-48,3	88,9-76,1	88,9-60,3	114,3-88,9	114,3-76,1		
thickness (mm)	2	2	2	2	2	2	2		
304L code	2TSS60422	2TSS76602	2TSS76482	2TSS88762	2TSS88602	-	2TSS114762		
316L code	4TSS60422	4TSS76602	4TSS76482	4TSS88762	4TSS88602	4TSS114882	4TSS114762		

2R/4R - Welded concentric reducer



Ø	17,2/13,5	21,3/13,5	21,3/17,2	26,9/13,5	26,9/17,2	26,9/21,3	33,7/13,5	33,7/17,2	33,7/21,3	33,7/26,9
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R1713	2R2113	2R2117	2R2613	2R2617	2R2621	2R3313	2R3317	2R3321	2R3326
316L code	4R1713	4R2113	4R2117	4R2613	4R2617	4R2621	4R3313	4R3317	4R3321	4R3326
Ø	42,4/13,5	42,4/17,2	42,4/21,3	42,4/26,9	42,4/33,7	48,3/17,2	48,3/21,3	48,3/26,9	48,3/33,7	48,3/42,4
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R4213	2R4217	2R4221	2R4226	2R4233	2R4817	2R4821	2R4826	2R4833	2R4842
316L code	4R4213	4R4217	4R4221	4R4226	4R4233	4R4817	4R4821	4R4826	4R4833	4R4842
Ø	60,3/17,2	60,3/21,3	60,3/26,9	60,3/33,7	60,3/42,4	60,3/48,3	76,1/26,9	76,1/33,7	76,1/42,4	76,1/48,3
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R6017	2R6021	2R6026	2R6033	2R6042	2R6048	2R7626	2R7633	2R7642	2R7648
316L code	4R6017	4R6021	4R6026	4R6033	4R6042	4R6048	4R7626	4R7633	4R7642	4R7648
Ø	76,1/60,3	88,9/26,9	88,9/33,7	88,9/42,4	88,9/48,3	88,9/60,3	88,9/76,1	114,3/26,9	114,3/33,7	114,3/42,4
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R7660	2R8826	2R8833	2R8842	2R8848	2R8860	2R8876	2R11426	2R11433	2R11442
316L code	4R7660	4R8826	4R8833	4R8842	4R8848	4R8860	4R8876	4R11426	4R11433	4R11442
Ø	114,3/48,3	114,3/60,3	114,3/76,1	114,3/76,1	114,3/88,9	114,3/88,9	139,7/60,3	139,7/76,1	139,7/88,9	139,7/114,3
thickness (mm)	2	2	2	3	2	3	2	2	2	2
304L code	2R11448	2R11460	2R11476	2R114763	2R11488	2R114883	2R13960	2R13976	2R13988	2R139114
316L code	4R11448	4R11460	4R11476	4R114763	4R11488	4R114883	4R13960	4R13976	4R13988	4R139114
Ø	139,7/114,3	168,3/60,3	168,3/76,1	168,3/88,9	168,3/114,3	168,3/114,3	168,3/139,7	168,3/139,7	219,1/114,3	219,1/139,7
thickness (mm)	3	2	2	2	2	3	2	3	2	2
304L code	2R1391143	2R16860	2R16876	2R16888	2R168114	2R1681143	2R168139	2R1681393	2R219114	2R219139
316L code	4R1391143	4R16860	4R16876	4R16888	4R168114	4R1681143	4R168139	4R1681393	4R219114	4R219139
Ø	219,1/139,7	219,1/168,3	219,1/168,3	273/168,3	273/168,3	273/219,1	273/219,1	323,9/219,1	323,9/219,1	323,9/273
thickness (mm)	3	2	3	2	3	2	3	2	3	2
304L code	2R2191393	2R219168	2R2191683	2R273168	2R2731683	2R273219	2R2732193	2R323219	2R3232193	2R323273
316L code	4R2191393	4R219168	4R2191683	4R273168	4R2731683	4R273219	-	4R323219	4R3232193	4R323273
Ø	323,9/273	355,6/273	355,6/323,9	406,4/355,6	406,4/323,9	508/355,6	508/406,4	609,6/508	609/406,4	
thickness (mm)	3	3	3	3	3	3	3	3	3	
304L code	2R3232733	2R3552733	2R3553233	2R4063553	2R4063233	2R5083553	2R5084063	2R6095083	2R6094063	
316L code	4R3232733	4R3552733	4R3553233	4R4063553	4R4063233	4R5083553	4R5084063	4R6095083	4R6094063	

2FB/4FB - Cap



Ø	17,2	21,3	26,9	33,7	42,4	48,3	60,3	60,3	76,1	76,1
thickness (mm)	2	2	2	2	2	2	2	3	2	3
304L code	2FB17	2FB21	2FB26	2FB33	2FB42	2FB48	2FB60	2FB603	2FB76	2FB763
316L code	4FB17	4FB21	4FB26	4FB33	4FB42	4FB48	4FB60	4FB603	4FB76	4FB763
Ø	88,9	88,9	114,3	114,3	139,7	139,7	168,3	168,3	219,1	219,1
thickness (mm)	2	3	2	3	2	3	2	3	2	3
304L code	2FB88	2FB883	2FB114	2FB1143	2FB139	2FB1393	2FB168	2FB1683	2FB219	2FB2193
316L code	4FB88	4FB883	4FB114	4FB1143	4FB139	4FB1393	4FB168	4FB1683	4FB219	4FB2193

2FB/4FB - Cap (continued)



Ø	273	273	323,9	323,9	355,6	406,4	457	508	610
thickness (mm)	2	3	2	3	3	3	3	3	3
304L code	2FB273	2FB2733	2FB323	2FB3233	2FB3553	2FB4063	2FB4573	2FB5083	2FB6103
316L code	4FB273	4FB2733	4FB323	4FB3233	4FB3553	4FB4063	4FB4573	4FB5083	-

2CM/4CM - Pressed collar



Ø	17,2	21,3	26,9	33,7	42,4	48,3	60,3	60,3	76,1	76,1
thickness (mm)	2	2	2	2	2	2	2	3	2	3
304L code	2CM17	2CM21	2CM26	2CM33	2CM42	2CM48	2CM60	2CM603	2CM76	2CM763
316L code	4CM17	4CM21	4CM26	4CM33	4CM42	4CM48	4CM60	4CM603	4CM76	4CM763
Ø	88,9	88,9	114,3	114,3	139,7	139,7	168,3	168,3	219,1	219,1
thickness (mm)	2	3	2	3	2	3	2	3	2	3
304L code	2CM88	2CM883	2CM114	2CM1143	2CM139	2CM1393	2CM168	2CM1683	2CM219	2CM2193
316L code	4CM88	4CM883	4CM114	4CM1143	4CM139	4CM1393	4CM168	4CM1683	4CM219	4CM2193
Ø	273	273	323,9	323,9	356,6	406,4	458,3	508	609,3	
thickness (mm)	2	3	2	3	3	3	3	3	3	
304L code	2CM273	2CM2733	2CM323	2CM3233	2CM3553	2CM4063	2CM4583	2CM5083	2CM6103	
316L code	4CM273	4CM2733	4CM323	4CM3233	4CM3553	4CM4063	4CM4583	4CM5083	4CM6103	

ANSI standard

2LR/4LR - Welded bend schedule 10S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,11	2,11	2,77	2,77	2,77	2,77	3,05	3,05	3,05	3,4	3,4	3,76
304L code	2LR21S10	2LR26S10	2LR33S10	2LR42S10	2LR48S10	2LR60S10	2LR73S10	2LR88S10	2LR114S10	2LR141S10	2LR168S10	2LR219S10
316L code	4LR21S10	4LR26S10	4LR33S10	4LR42S10	4LR48S10	4LR60S10	4LR73S10	4LR88S10	4LR114S10	4LR141S10	4LR168S10	4LR219S10

2LE/4LE - Seamless bend schedule 10S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,11	2,11	2,77	2,77	2,77	2,77	3,05	3,05	3,05	3,4	3,4	3,76
304L code	2LE21S10	2LE26S10	2LE33S10	2LE42S10	2LE48S10	2LE60S10	2LE73S10	2LE88S10	2LE114S10	2LE141S10	2LE168S10	2LE219S10
316L code	4LE21S10	4LE26S10	4LE33S10	4LE42S10	4LE48S10	4LE60S10	4LE73S10	4LE88S10	4LE114S10	4LE141S10	4LE168S10	4LE219S10

2LR/4LR - Welded bend schedule 40S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,77	2,87	3,38	3,56	3,68	3,91	5,16	5,49	6,02	6,55	7,11	8,18
304L code	2LR21S40	2LR26S40	2LR33S40	2LR42S40	2LR48S40	2LR60S40	2LR73S40	2LR88S40	2LR114S40	2LR141S40	2LR168S40	2LR219S40
316L code	4LR21S40	4LR26S40	4LR33S40	4LR42S40	4LR48S40	4LR60S40	4LR73S40	4LR88S40	4LR114S40	4LR141S40	4LR168S40	4LR219S40

2LE/4LE - Seamless bend schedule 40S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,77	2,87	3,38	3,56	3,68	3,91	5,16	5,49	6,02	6,55	7,11	8,18
304L code	2LE21S40	2LE26S40	2LE33S40	2LE42S40	2LE48S40	2LE60S40	2LE73S40	2LE88S40	2LE114S40	2LE141S40	2LE168S40	2LE219S40
316L code	4LE21S40	4LE26S40	4LE33S40	4LE42S40	4LE48S40	4LE60S40	4LE73S40	4LE88S40	4LE114S40	4LE141S40	4LE168S40	4LE219S40



2LE/4LE - Seamless bend schedule 80S

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
thickness (mm)	3,73	3,91	4,55	4,85	5,08	5,54	7,01	7,62	8,56
304L code	2LE21S80	2LE26S80	2LE33S80	2LE42S80	2LE48S80	2LE60S80	2LE73S80	2LE88S80	2LE114S80
316L code	4LE21S80	4LE26S80	4LE33S80	4LE42S80	4LE48S80	4LE60S80	4LE73S80	4LE88S80	4LE114S80



2TS/4TS - Welded tee schedule 10S

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,11	2,11	2,77	2,77	2,77	2,77	3,05	3,05	3,05	3,4	3,4	3,76
304L code	2TS21S10	2TS26S10	2TS33S10	2TS42S10	2TS48S10	2TS60S10	2TS73S10	2TS88S10	2TS114S10	2TS141S10	2TS168S10	2TS219S10
316L code	4TS21S10	4TS26S10	4TS33S10	4TS42S10	4TS48S10	4TS60S10	4TS73S10	4TS88S10	4TS114S10	4TS141S10	4TS168S10	4TS219S10



2TS/4TS - Seamless tee schedule 10S

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,11	2,11	2,77	2,77	2,77	2,77	3,05	3,05	3,05	3,4	3,4	3,76
304L code	2TS21S10E	2TS26S10E	2TS33S10E	2TS42S10E	2TS48S10E	2TS60S10E	2TS73S10E	2TS88S10E	2TS114S10E	2TS141S10E	2TS168S10E	2TS219S10E
316L code	4TS21S10E	4TS26S10E	4TS33S10E	4TS42S10E	4TS48S10E	4TS60S10E	4TS73S10E	4TS88S10E	4TS114S10E	4TS141S10E	4TS168S10E	4TS219S10E



2TS/4TS - Welded tee schedule 40S

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,77	2,87	3,38	3,56	3,68	3,91	5,16	5,49	6,02	6,55	7,11	8,18
304L code	2TS21S40	2TS26S40	2TS33S40	2TS42S40	2TS48S40	2TS60S40	2TS73S40	2TS88S40	2TS114S40	2TS141S40	2TS168S40	2TS219S40
316L code	4TS21S40	4TS26S40	4TS33S40	4TS42S40	4TS48S40	4TS60S40	4TS73S40	4TS88S40	4TS114S40	4TS141S40	4TS168S40	4TS219S40



2TS/4TS - Seamless tee schedule 40S

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,77	2,87	3,38	3,56	3,68	3,91	5,16	5,49	6,02	6,55	7,11	8,18
304L code	2TS21S40E	2TS26S40E	2TS33S40E	2TS42S40E	2TS48S40E	2TS60S40E	2TS73S40E	2TS88S40E	2TS114S40E	2TS141S40E	2TS168S40E	2TS219S40E
316L code	4TS21S40E	4TS26S40E	4TS33S40E	4TS42S40E	4TS48S40E	4TS60S40E	4TS73S40E	4TS88S40E	4TS114S40E	4TS141S40E	4TS168S40E	4TS219S40E



2R/4R - Welded concentric reducer schedule 10S

NPS	26,7/21,3	33,4/21,3	33,4/26,7	42,2/26,7	42,2/33,4	48,3/33,4	48,3/42,2	60,3/42,2	60,3/48,3	73/48,3
304L code	2R2621S10	2R3321S10	2R3326S10	2R4226S10	2R4233S10	2R4833S10	2R4842S10	2R6042S10	2R6048S10	2R7348S10
316L code	4R2621S10	4R3321S10	4R3326S10	4R4226S10	4R4233S10	4R4833S10	4R4842S10	4R6042S10	4R6048S10	4R7348S10
NPS	73/60,3	88,9/60,3	88,9/73	114,3/73	114,3/88,9	141,3/114,3	141,3/88,9	168,3/114,3	168,3/141,3	219,1/168,3
304L code	2R7360S10	2R8860S10	2R8873S10	2R11473S10	2R11488S10	2R141114S10	2R14188S10	2R168114S10	-	2R219168S10
316L code	4R7360S10	4R8860S10	4R8873S10	4R11473S10	4R11488S10	4R141114S10	4R14188S10	4R168114S10	4R168141S10	4R219168S10



2R/4R - Seamless concentric reducer schedule 10S

NPS	26,7/21,3	33,4/21,3	33,4/26,7	42,2/26,7	42,2/33,4	48,3/33,4	48,3/42,2	60,3/42,2	60,3/48,3	73/48,3	73/60,3	88,9/60,3
304L code	2R2621S10E	2R3321S10E	2R3326S10E	2R4226S10E	2R4233S10E	2R4833S10E	2R4842S10E	2R6042S10E	2R6048S10E	2R7348S10E	2R7360S10E	2R8860S10E
316L code	4R2621S10E	4R3321S10E	4R3326S10E	4R4226S10E	4R4233S10E	4R4833S10E	4R4842S10E	4R6042S10E	4R6048S10E	4R7348S10E	4R7360S10E	4R8860S10E
NPS	88,9/73	114,3/60,3	114,3/73	114,3/88,9	141,3/114,3	141,3/88,9	168,3/114,3	168,3/141,3	219,1/168,3			
304L code	2R8873S10E	2R11460S10E	2R11473S10E	2R11488S10E	2R141114S10E	2R14188S10E	2R168114S10E	2R168141S10E	2R219168S10E			
316L code	4R8873S10E	4R11460S10E	4R11473S10E	4R11488S10E	4R141114S10E	4R14188S10E	4R168114S10E	4R168141S10E	4R219168S10E			

2R/4R - Welded concentric reducer schedule 40S



NPS	26,7/21,3	33,4/21,3	33,4/26,7	42,2/26,7	42,2/33,4	48,3/33,4	48,3/42,2	60,3/42,2	60,3/48,3
304L code	2R2621S40	2R3321S40	2R3326S40	2R4226S40	2R4233S40	2R4833S40	2R4842S40	2R6042S40	2R6048S40
316L code	4R2621S40	4R3321S40	4R3326S40	4R4226S40	4R4233S40	4R4833S40	4R4842S40	4R6042S40	4R6048S40
NPS	73/48,3	73/60,3	88,9/60,3	88,9/73	114,3/73	114,3/88,9	141,3/88,9	168,3/114,3	219,1/168,3
304L code	2R7348S40	2R7360S40	2R8860S40	2R8873S40	2R11473S40	2R11488S40	2R14188S40	2R168114S40	2R219168S40
316L code	4R7348S40	4R7360S40	4R8860S40	4R8873S40	4R11473S40	4R11488S40	4R14188S40	4R168114S40	4R219168S40

2R/4R - Seamless concentric reducer schedule 40S



NPS	26,7/21,3	33,4/21,3	33,4/26,7	42,2/26,7	42,2/33,4	48,3/33,4	48,3/42,2	60,3/42,2	60,3/48,3
304L code	2R2621S40E	2R3321S40E	2R3326S40E	2R4226S40E	2R4233S40E	2R4833S40E	2R4842S40E	2R6042S40E	2R6048S40E
316L code	4R2621S40E	4R3321S40E	4R3326S40E	4R4226S40E	4R4233S40E	4R4833S40E	4R4842S40E	4R6042S40E	4R6048S40E
NPS	73/48,3	73/60,3	88,9/60,3	114,3/73	114,3/88,9	141,3/114,3	141,3/88,9	168,3/114,3	168,3/141,3
304L code	2R7348S40E	2R7360S40E	2R8860S40E	2R11473S40E	2R11488S40E	2R141114S40E	2R14188S40E	2R168114S40E	2R168141S40E
316L code	4R7348S40E	4R7360S40E	4R8860S40E	4R11473S40E	4R11488S40E	4R141114S40E	-	-	-

2CAPS/4CAPS - Cap schedule 10S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,11	2,11	2,77	2,77	2,77	2,77	3,05	3,05	3,05	3,4	3,4	3,76
304L code	2CAPS21S10	2CAPS26S10	2CAPS33S10	2CAPS42S10	2CAPS48S10	2CAPS60S10	2CAPS73S10	2CAPS88S10	2CAPS114S10	2CAPS141S10	2CAPS168S10	2CAPS219S10
316L code	4CAPS21S10	4CAPS26S10	4CAPS33S10	4CAPS42S10	4CAPS48S10	4CAPS60S10	4CAPS73S10	4CAPS88S10	4CAPS114S10	4CAPS141S10	4CAPS168S10	4CAPS219S10

2CAPS/4CAPS - Cap schedule 40S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,77	2,87	3,38	3,56	3,68	3,91	5,16	5,49	6,02	6,55	7,11	8,18
304L code	2CAPS21S40	2CAPS26S40	2CAPS33S40	2CAPS42S40	2CAPS48S40	2CAPS60S40	2CAPS73S40	2CAPS88S40	2CAPS114S40	2CAPS141S40	2CAPS168S40	2CAPS219S40
316L code	4CAPS21S40	4CAPS26S40	4CAPS33S40	4CAPS42S40	4CAPS48S40	4CAPS60S40	4CAPS73S40	4CAPS88S40	4CAPS114S40	4CAPS141S40	4CAPS168S40	4CAPS219S40

2STUB/4STUB - Collar stub end schedule 10S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,11	2,11	2,77	2,77	2,77	2,77	3,05	3,05	3,05	3,4	3,4	3,76
304L code	2STUBA21S10	2STUBA26S10	2STUBA33S10	2STUBA42S10	2STUBA48S10	2STUBA60S10	2STUBA73S10	2STUBA88S10	2STUBA114S10	2STUBA141S10	2STUBA168S10	2STUBA219S10
316L code	4STUBA21S10	4STUBA26S10	4STUBA33S10	4STUBA42S10	4STUBA48S10	4STUBA60S10	4STUBA73S10	4STUBA88S10	4STUBA114S10	4STUBA141S10	-	-

2STUB/4STUB - Collar stub end schedule 40S



NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"
thickness (mm)	2,77	2,87	3,38	3,56	3,68	3,91	5,16	5,49	6,02	6,55	7,11	8,18
304L code	2STUBA21S40	2STUBA26S40	2STUBA33S40	2STUBA42S40	2STUBA48S40	2STUBA60S40	2STUBA73S40	2STUBA88S40	2STUBA114S40	2STUBA141S40	2STUBA168S40	2STUBA219S40
316L code	4STUBA21S40	4STUBA26S40	4STUBA33S40	4STUBA42S40	4STUBA48S40	4STUBA60S40	4STUBA73S40	4STUBA88S40	4STUBA114S40	4STUBA141S40	4STUBA168S40	4STUBA219S40

Aluminium flanges



Individual packing

Dimensions acc. to DIN 2642 - Material: aluminium AS13 - PS: 10 bar - Products can be sourced from several suppliers.

■ Aluminium AS13



ABT - Lap joint flange - Type A (metric) - PN10

DN	40	50	65	80	100	125	150	200	250	300	350
code	ABT44	ABT54	ABT70	ABT84	ABT104	ABT129	ABT154	ABT204	ABT254	ABT304	ABT354



ABT - Lap joint flange - Type C (ISO) - PN10

DN	10	15	20	25	32	40	50	65	80	100	125
code	ABT10FG	ABT15	ABT20	ABT25	ABT32	ABT40	ABT50	ABT65	ABT80	ABT100	ABT125

DN	150	200	250	300	350	400	450	500	600	700
code	ABT150	ABT200	ABT250	ABT300	ABT350	ABT400	ABT450	ABT500	ABT600	ABT700

Carbon steel flanges



Individual packing

Material: bichromated carbon steel - Dimensions acc. to DIN 2642 - PS: 10 bar - TS: -10°C/+180°C - Products can be sourced from several suppliers.

3.1
see p. 22

■ Bichromated carbon steel



ABE - Pressed lap joint flanges - PN10

DN	15	20	25	32	40	50	65	80	100	125	150
code	ABE15	ABE20	ABE25	ABE32	ABE40	ABE50	ABE65	ABE80	ABE100	ABE125	ABE150

DN	200	250	300	350	400	450	500
code	ABE200	ABE250	ABE300	ABE350	ABE400	ABE450	ABE500



Individual packing

Dimensions acc. to EN 1092-1 - Individual marking - Material: forged carbon steel P235GH, P245GH or P250GH (except 2021: S235JR) - When applies, galvanised coating for drinking water compatibility - PS acc. to standard: 10 bar for PN10 flanges, 16 bar for PN16 flanges, etc.

3.1
see p. 22

■ Forged carbon steel PN6 to PN16 - S-First



2121 - Plate flange for welding - Type 01/A - FF PN10/16

DN	15	20	25	32	40	50	65	80	100/108*	100/114
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16
code	2121015	2121020	2121025	2121032	2121040	2121050	2121065	2121080	2121100	2121101

DN	125/133*	125/139	150/159*	150/168	250	250	300	300
PN	10/16	10/16	10/16	10/16	10	16	10	16
code	2121125	2121126	2121150	2121151	2121250	2121251	2121300	2121301

* not included in EN 1092-1



2120 - Plate flange for welding - Type 01/A - FF PN10A

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168
PN	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A
code	2120015	2120020	2120025	2120032	2120040	2120050	2120065	2120080	2120101	2120126	2120151



2124 - Weld-neck flange - Type 11/B1 - RF PN6

DN	15	20	25	32	40	50	65	80	100	125/139	150/168
PN	6	6	6	6	6	6	6	6	6	6	6
code	2151015	2151020	2151025	2151032	2124040	2124050	2124065	2124080	2124100	2124125	2124150



2100/2101 - Weld-neck flange - Type 11/B1 - RF PN10/16

DN	15	20	25	32	40	50	65	80	100	125	150	200	200
PN	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10	16
code	2100015	2100020	2100025	2100032	2100040	2100050	2100065	2100080	2100100	2100125	2100150	2101200	2100200
DN	250	250	300	300									
PN	10	16	10	16									
code	2101250	2100250	2101300	2100300									



2123 - Hubbed threaded flange - Type 13/B1 - RF PN10/16

DN	15	20	25	32	40	50	65	80	100/114
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16
code	2123015	2123020	2123025	2123032	2123040	2123050	2123065	2123080	2123100



2122 - Blind flange - Type 05/A - FF PN10/16

DN	15	20	25	32	40	50	65	80	100	125	150	200	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10	16
code	2122015	2122020	2122025	2122032	2122040	2122050	2122065	2122080	2122100	2122125	2122150	2122200	2122201

■ Forged carbon steel PN6 to PN40



2160 - Flat flange - Type 01/A PN10/16

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10	16
code	2160015	2160020	2160025	2160032	2160040	2160050	2160065	2160080	2160100	2160125	2160150	2160200	2160201
DN	250	250	300	300	350	350	400	400					
PN	10	16	10	16	10	16	10	16					
code	2160250	2160251	2160300	2160301	2160350	2160351	2160400	2160401					



2151 - Weld-neck flange - Type 11/B1 - RF PN6

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168
PN	6	6	6	6	6	6	6	6	6	6	6
code	2151015	2151020	2151025	2151032	2151040	2151050	2151065	2151080	2151100	2151125	2151150



2152 - BW welding neck flange - Type 11/B1 PN10/16

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	PN10	PN16
code	2152015	2152020	2152025	2152032	2152040	2152050	2152065	2152080	2152100	2152125	2152150	2152200	2152201
DN	250	250	300	300	350	350	400	400					
PN	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16					
code	2152250	2152251	2152300	2152301	2152350	2152351	2152400	2152401					



2153 - Galvanised weld-neck flange - Type 11/B1 - RF PN10/16

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	PN10	PN16
code	2153015	2153020	2153025	2153032	2153040	2153050	2153065	2153080	2153100	2153125	2153150	2153200	2153201

DN	250	250	300	300	350	350	400	400
PN	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
code	2153250	2153251	2153300	2153301	2153350	2153351	2153400	2153401



2105 - Weld-neck flange - Type 11/B1 - RF PN25/40

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	25/40	25/40	25/40	25/40	25/40	25/40	25	40
code	2105015	2105020	2105025	2105032	2105040	2105050	2105065	2105080	2105100	2105125	2105150	2105200	2105201



2155 - Weld-neck flange - Type 11/E - Spigot PN25/40

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	25/40	25/40	25/40	25/40	25/40	25/40	25	40
code	2155015	2155020	2155025	2155032	2155040	2155050	2155065	2155080	2155100	2155125	2155150	2155200	2155201



2156 - Weld-neck flange - Type 11/F - Recess PN25/40

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	25/40	25/40	25/40	25/40	25/40	25/40	25	40
code	2156015	2156020	2156025	2156032	2156040	2156050	2156065	2156080	2156100	2156125	2156150	2156200	2156201



2157 - Hubbed threaded flange - Type 13/B1 - RF PN10/16

DN	15	20	25	32	40	50	65	80	100/114
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16
code	2157015	2157020	2157025	2157032	2157040	2157050	2157065	2157080	2157100



2158 - Galvanised hubbed threaded flange - Type 13/B1 - RF PN10/16

DN	15	20	25	32	40	50	65	80	100/114
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16
code	2158015	2158020	2158025	2158032	2158040	2158050	2158065	2158080	2158100



2161 - Blind flange - Type 05/A PN10/16

DN	15	20	25	32	40	50	65	80	100/114	125/139	150/168	200	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10	16
code	2161015	2161020	2161025	2161032	2161040	2161050	2161065	2161080	2161100	2161125	2161150	2161200	2161201

DN	250	250	300	300	350	350	400	400
PN	10	16	10	16	10	16	10	16
code	2161250	2161251	2161300	2161301	2161350	2161351	2161400	2161401

Stainless steel flanges



**Individual
packing**

Materials: stainless steel F304, F304L, F316 or F316L - PS: acc. to standard: 10 bar for PN10 flanges, 16 bar for PN16 flanges, etc -
Products can be sourced from several suppliers.

3.1
see p. 22

■ Forged stainless steel PN10 to PN40

2BE/4BE - Pressed lap joint flanges - PN10 (DIN 2642)



DN	15	20	25	32	40	50	65	80	100	125	150	200
304L code	2BE15	2BE20	2BE25	2BE32	2BE40	2BE50	2BE65	2BE80	2BE100	2BE125	2BE150	2BE200
316L code	4BE15	4BE20	4BE25	4BE32	4BE40	4BE50	4BE65	4BE80	4BE100	4BE125	4BE150	4BE200
DN	250	300	350	400	450	500						
304L code	2BE250	2BE300	2BE350	2BE400	2BE450	2BE500						
316L code	4BE250	4BE300	4BE350	4BE400	4BE450	4BE500						

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN10/40



DN	10	15	20	25	32	40	50	65	80	100	125	150
PN	10/40	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16
304L code	2PAS10	2PAS15	2PAS20	2PAS25	2PAS32	2PAS40	2PAS50	2PAS65	2PAS80	2PAS100	2PAS125	2PAS150
316L code	4PAS10	4PAS15	4PAS20	4PAS25	4PAS32	4PAS40	4PAS50	4PAS65	4PAS80	4PAS100	4PAS125	4PAS150
DN	200	200	250	250	300	300	350	400	400	450	500	500
PN	10	16	10	16	10	16	10	10	16	10	10	16
304L code	2PAS200	2PAS16200	2PAS250	2PAS16250	2PAS300	2PAS16300	2PAS350	2PAS400	2PAS16400	2PAS450	2PAS500	2PAS16500
316L code	4PAS200	4PAS16200	4PAS250	4PAS16250	4PAS300	4PAS16300	4PAS350	4PAS400	4PAS16400	4PAS450	4PAS500	4PAS16500
DN	600	600	700									
PN	10	16	10									
304L code	2PAS600	2PAS16600	2PAS700									
316L code	4PAS600	4PAS16600	4PAS700									

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN10

Thin version, approx. 30% vs standard.



DN	200	250	300	350	400	450	500	600	700	800	900	1000
PN	10	10	10	10	10	10	10	10	10	10	10	10
304L code	2PAS200A	2PAS250A	2PAS300A	2PAS350A	2PAS400A	2PAS450A	2PAS500A	2PAS600A	2PAS700A	2PAS800A	2PAS900A	2PAS1000A
316L code	4PAS200A	4PAS250A	4PAS300A	4PAS350A	4PAS400A	4PAS450A	4PAS500A	4PAS600A	4PAS700A	4PAS800A	4PAS900A	4PAS1000A

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN25/40



DN	50	65	80	100	125	150	200	200	250	250	300	300
PN	25/40	25/40	25/40	25/40	25/40	25/40	25	40	25	40	25	40
304L code	2PAS4050	2PAS4065	2PAS4080	2PAS40100	2PAS40125	2PAS40150	2PAS25200	2PAS40200	2PAS25250	2PAS40250	2PAS25300	2PAS40300
316L code	4PAS4050	4PAS4065	4PAS4080	4PAS40100	4PAS40125	4PAS40150	4PAS25200	4PAS40200	4PAS25250	4PAS40250	4PAS25300	4PAS40300



2PASB/4PASB - Plate flange for welding - Type 01/B - RF PN10/40

DN	15	20	25	32	40	50	65	80	100	125	150	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10
304L code	2PASB15	2PASB20	2PASB25	2PASB32	2PASB40	2PASB50	2PASB65	2PASB80	2PASB100	2PASB125	2PASB150	2PASB200
316L code	4PASB15	4PASB20	4PASB25	4PASB32	4PASB40	4PASB50	4PASB65	4PASB80	4PASB100	4PASB125	4PASB150	4PASB200



2COL/4COL - Weld-neck flange - Type 11/B - RF PN10/40

DN	15	20	25	32	40	50	65	80	100	125	150	200	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10	16
304L code	2COL15	2COL20	2COL25	2COL32	2COL40	2COL50	2COL65	2COL80	2COL100	2COL125	2COL150	2COL200	2COL16200
316L code	4COL15	4COL20	4COL25	4COL32	4COL40	4COL50	4COL65	4COL80	4COL100	4COL125	4COL150	4COL200	4COL16200
DN	250	250	300	300									
PN	10	16	10	16									
304L code	2COL250	2COL16250	2COL300	2COL16300									
316L code	4COL250	4COL16250	4COL300	4COL16300									



2COL/4COL - Weld-neck flange - Type 11/B - RF PN25/40

DN	50	65	80	100	125	150	200	200	250	250	300	300
PN	25/40	25/40	25/40	25/40	25/40	25/40	25	40	25	40	25	40
304L code	2COL4050	2COL4065	2COL4080	2COL40100	2COL40125	2COL40150	2COL25200	2COL40200	2COL25250	2COL40250	2COL25300	2COL40300
316L code	4COL4050	4COL4065	4COL4080	4COL40100	4COL40125	4COL40150	4COL25200	4COL40200	4COL25250	4COL40250	4COL25300	4COL40300



2BT/4BT - Loose plate flange - Type 02/A - FF PN10/40

DN	10	15	20	25	32	40	50	65	80	100	125	150	200
PN	10/40	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10
304L code	2BT10	2BT15	2BT20	2BT25	2BT32	2BT40	2BT50	2BT65	2BT80	2BT100	2BT125	2BT150	2BT200
316L code	4BT10	4BT15	4BT20	4BT25	4BT32	4BT40	4BT50	4BT65	4BT80	4BT100	4BT125	4BT150	4BT200
DN	200	250	250	300	300	400							
PN	16	10	16	10	16	10							
304L code	2BT16200	2BT250	2BT16250	2BT300	2BT16300	2BT400							
316L code	4BT16200	4BT250	4BT16250	4BT300	4BT16300	4BT400							



2PT/4PT - Threaded flat flange - FF PN10/16

DN	10	15	20	25	32	40	50	65	80	100
PN	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
304L code	2PT10	2PT15	2PT20	2PT25	2PT32	2PT40	2PT50	2PT65	2PT80	2PT100
316L code	4PT10	4PT15	4PT20	4PT25	4PT32	4PT40	4PT50	4PT65	4PT80	4PT100



2TP/4TP - Blind flange - Type 05/A - FF PN10/40

DN	10	15	20	25	32	40	50	65	80	100	125	150
PN	10/40	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16
304L code	2TP10	2TP15	2TP20	2TP25	2TP32	2TP40	2TP50	2TP65	2TP80	2TP100	2TP125	2TP150
316L code	4TP10	4TP15	4TP20	4TP25	4TP32	4TP40	4TP50	4TP65	4TP80	4TP100	4TP125	4TP150

DN	200	200	250	250	300	300	350	400	500	600	700
PN	10	16	10	16	10	16	10	10	10	10	10
304L code	2TP200	2TP16200	2TP250	2TP16250	2TP300	2TP16300	2TP350	2TP400	2TP500	2TP600	-
316L code	4TP200	4TP16200	4TP250	4TP16250	4TP300	4TP16300	4TP350	4TP400	4TP500	4TP600	4TP700



2TP/4TP - Blind flange - Type 05/A - FF PN10

* Thin version, approx. 30% thinner vs standard.

DN	200	250	300	350	400	450	500	600
PN	10	10	10	10	10	10	10	10
304L code	2TP200A	2TP250A	2TP300A	2TP350A	2TP400A	2TP450A	2TP500A	2TP600A
316L code	4TP200A	4TP250A	4TP300A	4TP350A	4TP400A	4TP450A	4TP500A	4TP600A



2TP/4TP - Blind flange - Type 05/A - FF PN25/40

DN	50	65	80	100	125	150	200	200	250	250	300	300
PN	25/40	25/40	25/40	25/40	25/40	25/40	25	40	25	40	25	40
304L code	2TP4050	2TP4065	2TP4080	2TP40100	2TP40125	2TP40150	2TP25200	2TP40200	2TP25250	2TP40250	2TP25300	2TP40300
316L code	4TP4050	4TP4065	4TP4080	4TP40100	4TP40125	4TP40150	4TP25200	4TP40200	4TP25250	4TP40250	4TP25300	4TP40300



2TPB/4TPB - Blind flange - Type 05/B - RF PN10/40

DN	15	20	25	32	40	50	65	80	100	125	150	200
PN	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16	10
304L code	2TPB15	2TPB20	2TPB25	2TPB32	2TPB40	2TPB50	2TPB65	2TPB80	2TPB100	2TPB125	2TPB150	2TPB200
316L code	4TPB15	4TPB20	4TPB25	4TPB32	4TPB40	4TPB50	4TPB65	4TPB80	4TPB100	4TPB125	4TPB150	4TPB200

■ Forged stainless steel ANSI150/300



2WN/4WN - Weld-neck flange schedule 40 - Type 11/B - RF ANSI150

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
304L code	2WN2015	2WN2020	2WN2025	2WN2032	2WN2040	2WN2050	2WN2065	2WN2080	2WN20100	2WN20125	2WN20150	2WN20200	2WN20250
316L code	4WN2015	4WN2020	4WN2025	4WN2032	4WN2040	4WN2050	4WN2065	4WN2080	4WN20100	4WN20125	4WN20150	4WN20200	4WN20250



2SO/4SO - Hubbed slip-on flange for welding - Type 12/B - RF ANSI150

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
304L code	2SO2015	2SO2020	2SO2025	2SO2032	2SO2040	2SO2050	2SO2065	2SO2080	2SO20100	2SO20125	2SO20150	2SO20200	2SO20250
316L code	4SO2015	4SO2020	4SO2025	4SO2032	4SO2040	4SO2050	4SO2065	4SO2080	4SO20100	4SO20125	4SO20150	4SO20200	4SO20250

2LJ/4LJ - Lap joint flange - FF ANSI 150



DN	15	20	25	32	40	50	65	80	100	125	150	200
304L code	-	-	2LJ2025	-	-	2LJ2050	-	2LJ2080	2LJ20100	2LJ20125	2LJ20150	-
316L code	4LJ2015	4LJ2020	4LJ2025	4LJ2032	4LJ2040	4LJ2050	4LJ2065	4LJ2080	4LJ20100	4LJ20125	4LJ20150	4LJ20200

2B/4B - Blind flange - Type 05/B - RF ANSI 150



DN	15	20	25	32	40	50	65	80	100	125	150	200	250
304L code	2B2015	2B2020	2B2025	2B2032	2B2040	2B2050	2B2065	2B2080	2B20100	2B20125	2B20150	2B20200	2B20250
316L code	4B2015	4B2020	4B2025	4B2032	4B2040	4B2050	4B2065	4B2080	4B20100	4B20125	4B20150	4B20200	4B20250

4WN - Weld-neck flange - Type 11/B - RF ANSI 300



DN	15	20	25	32	40	50	65	80	100
316L code	4WN5015	4WN5020	4WN5025	4WN5032	4WN5040	4WN5050	4WN5065	4WN5080	4WN50100

4SO - Hubbed slip-on flange for welding - Type 12/B - RF ANSI 300



DN	15	20	25	32	40	50	65	80	100	125	150	200
316L code	4SO5015	4SO5020	4SO5025	4SO5032	4SO5040	4SO5050	4SO5065	4SO5080	4SO50100	4SO50125	4SO50150	4SO50200

4LJ - Lap joint flange - FF ANSI 300



DN	15	20	25	32	40	50	65	80	100
304L code	4LJ5015	4LJ5020	4LJ5025	-	4LJ5040	4LJ5050	-	4LJ5080	4LJ50100

4B - Blind flange - Type 05/B - RF ANSI300



DN	15	20	25	32	40	50	65	80	100	125	150	200
316L code	4B5015	4B5020	4B5025	4B5032	4B5040	4B5050	4B5065	4B5080	4B50100	-	4B50150	4B50200



Flange sets & accessories

Flange sets

Includes: 2100/2101 series flanges, gaskets (when applies), bolts or screws.

ref.	valve type	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
2130	2 way PN16 valve	code	2130015	2130020	2130025	2130032	2130040	2130050	2130065	2130080	2130100	2130125	2130150	2130200	-	-
2130	2 way PN10 valve	code	2130015	2130020	2130025	2130032	2130040	2130050	2130065	2130080	2130100	2130125	2130150	2131200	-	-
2132	3 way PN16 valve	code	-	-	-	-	-	2132050	2132065	2132080	2132100	2132125	2132150	2132200	-	-
2150	expansion joint	code	-	-	-	2150032	2150040	2150050	2150065	2150080	2150100	2150125	2150150	2150200	2150250	2150300
2104	check valve 364 type EN 558 series 97	code	-	-	-	-	2104040	2104050	2104065	2104080	2104100	2104125	2104150	2104200	2104250	2104300
2102	check valve 370 type EN 558 series 50	code	-	-	-	-	-	2102050	2102065	2102080	2102100	2102125	2102150	2102200	2102250	2102300
2112	wafer butterfly valve	code	-	-	-	-	2112040	2112050	2112065	2112080	2112100	2112125	2112150	2112200	2112250	2112300
2113	lug butterfly valve	code	-	-	-	2113032	2113040	2113050	2113065	2113080	2113100	2113125	2113150	2113200	2113250	2113300
2134	knife gate valve	code	-	-	-	-	-	2134050	2134065	2134080	2134100	2134125	2134150	2134200	2134250	2134300

Flange gaskets

Universal: water, oil, steam, gas / TS: 150°C - **CSA 50:** air, water, steam < 150°C / TS: 190°C - **CSA 25:** air, hot water / TS: 150°C - **CSA 120:** steam / TS: 250°C - **PTFE:** hydrocarbons / TS: 180°C - **Graphoil:** high temperature & high pressure / TS: 450°C / PS: 120 bar.



DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
universal code	-	9802104	9802105	9802106	9802107	9802108	9802109	9802110	9802111	9802112	9802113	9802114	9802115	9802116	9802117
CSA 50 code	JCSA10	JCSA15	JCSA20	JCSA25	JCSA32	JCSA40	JCSA50	JCSA65	JCSA80	JCSA100	JCSA125	JCSA150	JCSA200	-	JCSA300
CSA 25 code	JB10	JB15	JB20	JB25	JB32	JB40	JB50	JB65	JB80	JB100	JB125	JB150	JB200	JB250	JB300
CSA 120 code	JCSC10	JCSC15	JCSC20	JCSC25	JCSC32	JCSC40	JCSC50	JCSC65	JCSC80	JCSC100	JCSC125	JCSC150	JCSC200	JCSC250	JCSC300
PTFE code	JPTFE10	JPTFE15	JPTFE20	JPTFE25	JPTFE32	JPTFE40	JPTFE50	JPTFE65	JPTFE80	JPTFE100	JPTFE125	JPTFE150	JPTFE200	JPTFE250	JPTFE300
graphoil code	JGRAF10	JGRAF15	JGRAF20	JGRAF25	JGRAF32	JGRAF40	JGRAF50	JGRAF65	JGRAF80	JGRAF100	JGRAF125	JGRAF150	JGRAF200	-	-
DN	350	400	500												
CSA 25 code	JB350	JB400	JB500												



Carbon steel bolt sets

ref.	valve type	DN	15	20	25	32	40	50	65	80	100	125	150	200	200	250	300
2103	PN16 valve	number of bolts	8	8	8	8	8	8	16	16	16	16	16	24	16 (PN10)		
		Ø x L (mm)	12x50	12x50	12x50	16x50	16x60	16x60	16x60	16x60	16x60	16x70	20x70	20x70	20x70		
		code	2103025	2103025	2103025	2103032	2103050	2103050	2103100	2103100	2103100	2103125	2103150	2103200	2103201	-	-
2110	wafer butterfly valve PN10/16 up to DN125, PN10 above	number of bolts					4	4	8	8	8	8	8	8		12	12
		Ø x L (mm)					16x90	16x100	16x110	16x110	16x120	16x130	20x140	20x140		20x160	20x160
		code	-	-	-	-	2110040	2110050	2110080	2110080	2110100	2110125	2110200	2110200	-	2110300	2110300
2111	lug butterfly valve PN10/16 up to DN125, PN10 above	number of bolts					8	8	16	16	16	16	16	16		24	24
		Ø x L (mm)					16x30	16x35	16x40	16x40	16x40	16x45	20x45	20x45		20x50	20x60
		code	-	-	-	-	2111040	2111050	2111100	2111100	2111100	2111125	2111200	2111200	-	2111250	2111300



Stainless steel bolt sets

ref.	flange type	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
KB10	for PN10 flanges	number of bolts	4	4	4	4	4	4	8	8	8	8	8	8	12	12	16	16
		diameter	M12	M12	M12	M16	M16	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24
		L (mm)	45	50	50	50	50	50	60	60	60	70	80	80	80	80	90	100
		code	KB1015	KB1020	KB1025	KB1032	KB1040	KB1050	KB1065	KB1080	KB10100	KB10125	KB10150	KB10200	KB10250	KB10300	KB10350	KB10400
KB16	for PN16 flanges	number of bolts	4	4	4	4	4	4	8	8	8	8	8	12	12	12	16	16
		diameter	M12	M12	M12	M16	M16	M16	M16	M16	M16	M16	M20	M20	M24	M24	M24	M27
		L (mm)	45	50	50	50	50	50	60	60	60	70	80	80	90	90	100	100
		code	KB1015	KB1020	KB1025	KB1032	KB1040	KB1050	KB1065	KB1080	KB10100	KB10125	KB10150	KB16200	KB16250	KB16300	KB16350	KB16400
KB40	for PN40 flanges	number of bolts	4	4	4	4	4	4	8	8	8	8	8	12	12	16	16	
		diameter	M12	M12	M12	M16	M16	M16	M16	M16	M20	M24	M24	M27	M30	M30	M33	M36
		L (mm)	50	55	55	60	60	60	70	70	80	90	90	90	100	100	120	140
		code	KB4015	KB4020	KB4025	KB4032	KB4040	KB4050	KB4065	KB4080	KB40100	KB40125	KB40150	KB40200	KB40250	KB40300	KB40350	KB40400

Cam-lock couplings

■ Brass



Individual packing

Excluded from 2014/68/EU Directive (art. 4, §3) - MIL-C-27487 & A-A-59326 - For all common fluids - Brass body - Brass cams - NBR gasket (for coupling) - PS: see table below - TS: -10°C/+80°C.

Max. allowable pressure

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
bar	11	16	16	16	16	16	11	9	7



2261 - Female adaptor A

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2261004	2261005	2261006	2261007	2261008	2261009	2261010	2261011	2261012



2262 - Male coupling B

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2262004	2262005	2262006	2262007	2262008	2262009	2262010	2262011	2262012



2263 - Hose coupling C

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2263004	2263005	2263006	2263007	2263008	2263009	2263010	2263011	2263012



2264 - Female coupling D

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2264004	2264005	2264006	2264007	2264008	2264009	2264010	2264011	2264012



2265 - Hose adaptor E

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2265004	2265005	2265006	2265007	2265008	2265009	2265010	2265011	2265012



2266 - Male adaptor F

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2266004	2266005	2266006	2266007	2266008	2266009	2266010	2266011	2266012



2267 - Cap coupling DC

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2267004	2267005	2267006	2267007	2267008	2267009	2267010	2267011	2267012



2268 - Plug adaptor DP

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2268004	2268005	2268006	2268007	2268008	2268009	2268010	2268011	2268012

■ Spare gaskets for cam-lock couplings B, C, D & DC

(brass, aluminium or stainless steel)

EPDM

NBR

FKM

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	9830850	9830851	9830852	9830853	9830854	9830855	9830856	9830857	9830858
code	9830860	9830861	9830862	9830863	9830864	9830865	9830866	9830867	9830868
code	9830870	9830871	9830872	9830873	9830874	9830875	9830876	9830877	9830878

■ Aluminium



**Individual
packing**

Excluded from 2014/68/EU Directive (art. 4, §3) - MIL-C-27487 & A-A-59326 - For all common fluids - Aluminium body - Brass cams - NBR gasket (for coupling) - PS: see table below - TS: -10°C/+80°C.

Max. allowable pressure

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
bar	11	16	16	16	16	16	11	9	7



2201 - Female adaptor A

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2201004	2201005	2201006	2201007	2201008	2201009	2201010	2201011	2201012



2202 - Male coupling B

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2202004	2202005	2202006	2202007	2202008	2202009	2202010	2202011	2202012



2203 - Hose coupling C

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2203004	2203005	2203006	2203007	2203008	2203009	2203010	2203011	2203012



2204 - Female coupling D

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2204004	2204005	2204006	2204007	2204008	2204009	2204010	2204011	2204012



2205 - Hose adaptor E

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2205004	2205005	2205006	2205007	2205008	2205009	2205010	2205011	2205012



2206 - Male adaptor F

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2206004	2206005	2206006	2206007	2206008	2206009	2206010	2206011	2206012



2207 - Cap coupling DC

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2207004	2207005	2207006	2207007	2207008	2207009	2207010	2207011	2207012



2208 - Plug adaptor DP

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2208004	2208005	2208006	2208007	2208008	2208009	2208010	2208011	2208012

■ Stainless steel CF8M



**Individual
packing**

Excluded from 2014/68/EU Directive (art. 4, §3) - MIL-C-27487 & A-A-59326 - For all common fluids - Stainless steel CF8M body & cams - NBR gasket (for coupling) - PS: see table below - TS: -10°C/+80°C.

Max. allowable pressure

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
bar	11	18	18	18	18	18	16	14	14

2241 - Female adaptor A

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2241004	2241005	2241006	2241007	2241008	2241009	2241010	2241011	2241012

2242 - Male coupling B

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2242004	2242005	2242006	2242007	2242008	2242009	2242010	2242011	2242012

2243 - Hose coupling C

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2243004	2243005	2243006	2243007	2243008	2243009	2243010	2243011	2243012

2244 - Female coupling D

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2244004	2244005	2244006	2244007	2244008	2244009	2244010	2244011	2244012

2245 - Hose adaptor E

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2245004	2245005	2245006	2245007	2245008	2245009	2245010	2245011	2245012

2246 - Male adaptor F

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2246004	2246005	2246006	2246007	2246008	2246009	2246010	2246011	2246012

2247 - Cap coupling DC

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2247004	2247005	2247006	2247007	2247008	2247009	2247010	2247011	2247012

2248 - Cap adaptor DP

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2248004	2248005	2248006	2248007	2248008	2248009	2248010	2248011	2248012

■ Stainless steel 316

NEW

Excluded from 2014/68/EU Directive (art. 4, §3) - MIL-A-59326 - EN 14420-7 - For all common fluids - Stainless steel 316 body - Stainless steel 304 cams - NBR gasket (for coupling) - PS: see table above - TS: -10°C/+80°C.

RCABW - Welding adaptor

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	RCABW15	RCABW20	RCABW25	RCABW32	RCABW40	RCABW50	RCABW65	RCABW80	RCABW100

RCCBW - Welding coupling

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	RCCBW15	RCCBW20	RCCBW25	RCCBW32	RCCBW40	RCCBW50	RCCBW65	RCCBW80	RCCBW100

■ Polypropylene



**Individual
packing**

Excluded from 2014/68/EU Directive (art. 4, §3) - MIL-C-27487 & A-A-59326 - Fiberglass reinforced PP body - EPDM gasket - F304 cams - PS: 6 bar - TS: 0°C/+70°C.



Female adaptor A

DN	15	20	25	32	40	50	80	100
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	3"	4"
code	2211004	2211005	2211006	2211007	2211008	2211009	2211011	2211012



Male coupling B

DN	15	20	25	32	40	50	80	100
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	3"	4"
code	2212004	2212005	2212006	2212007	2212008	2212009	2212011	2212012



Hose coupling C

DN	15	20	25	32	40	50	80	100
Ø (mm)	20	25	32	40	50	63	90	110
code	2213004	2213005	2213006	2213007	2213008	2213009	2213011	2213012



Female coupling D

DN	15	20	25	32	40	50	80	100
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	3"	4"
code	2214004	2214005	2214006	2214007	2214008	2214009	2214011	2214012



Hose adaptor E

DN	15	20	25	32	40	50	80	100
Ø (mm)	20	25	32	40	50	63	90	110
code	2215004	2215005	2215006	2215007	2215008	2215009	2215011	2215012



Male adaptor F

DN	15	20	25	32	40	50	80	100
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	3"	4"
code	2216004	2216005	2216006	2216007	2216008	2216009	2216011	2216012



Cap coupling DC

DN	15	20	25	32	40	50	80	100
code	2217004	2217005	2217006	2217007	2217008	2217009	2217011	2217012



Cap adaptor DP

DN	15	20	25	32	40	50	80	100
code	2218004	2218005	2218006	2218007	2218008	2218009	2218011	2218012

Guillemin symmetrical couplings

■ Aluminium



Individual
packing

NF-EN 29572 - For irrigation, fire network, hydrocarbon & common fluids - Aluminium body - White NBR gasket - PS: 16 bar - TS: -10°C/+80°C.



2410 - Hose coupling

Ø	20/25	25/30	32/35	40/40	40/45	50/55	65/70	80/90	100/110	100/105	150/152
code	2410020	2410025	2410032	2410040	2410041	2410050	2410065	2410080	2410100	2410101	2410150



2411 - Hose coupling

Ø	50/51	65/63	80/76	80/81	100/102
code	2411050	2411065	2411080	2411081	2411100



2416 - Female coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2416020	2416025	2416032	2416040	2416050	2416065	2416080	2416100



2415 - Male coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2415020	2415025	2415032	2415040	2415050	2415065	2415080	2415100



2414 - Female coupling with lock

Ø	20	25	32	40	50	65	80	100	150
code	2414020	2414025	2414032	2414040	2414050	2414065	2414080	2414100	2414150



2413 - Male coupling with lock

Ø	20	25	32	40	50	65	80	100	150
code	2413020	2413025	2413032	2413040	2413050	2413065	2413080	2413100	2413150



2417 - Cap with lock

Ø	20	25	32	40	50	65	80	100	150
code	2417020	2417025	2417032	2417040	2417050	2417065	2417080	2417100	2417150



2412 - Reduced coupling with lock

Ø	40/20	40/25	40/32	50/25	50/32	50/40	65/40	65/50	80/40	80/50	80/65
code	2412040	2412041	2412042	2412050	2412051	2412053	2412065	2412066	2412080	2412081	2412082
Ø	100/40	100/50	100/65	100/80	150/100						
code	2412100	2412101	2412102	2412103	2412150						

■ Spare gaskets for Guillemin symmetrical couplings

WHITE EPDM

WHITE NBR

FKM

DN	20	25	32	40	50	65	80	100
code	9830837	9830830	9830831	9830832	9830833	9830834	9830835	9830836
code	9830820	9830821	9830822	9830823	9830824	9830825	9830826	9830827
code	9830847	9830840	9830841	9830842	9830843	9830844	9830845	9830846

■ Stainless steel CF8M



**Individual
packing**

NF-EN 29572 - For irrigation, fire network, hydrocarbon & common fluids - Stainless steel CF8M body - FKM gasket - PS: 16 bar - TS: -10°C/+180°C.



2420 - Hose coupling

Ø	20/25	25/30	32/35	40/45	50/55	65/70	80/90	100/110
code	2420020	2420025	2420032	2420040	2420050	2420065	2420080	2420100



2421 - Hose coupling

Ø	40/40	50/51	65/63	80/76	100/102
code	2421040	2421050	2421065	2421080	2421100



2426 - Female coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2426020	2426025	2426032	2426040	2426050	2426065	2426080	2426100



2425 - Male coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2425020	2425025	2425032	2425040	2425050	2425065	2425080	2425100



2424 - Female coupling with lock

Ø	20	25	32	40	50	65	80	100
code	2424020	2424025	2424032	2424040	2424050	2424065	2424080	2424100



2423 - Male coupling with lock

Ø	20	25	32	40	50	65	80	100
code	2423020	2423025	2423032	2423040	2423050	2423065	2423080	2423100



2428 - Welding with lock

Ø	15	20	25	32	40	50	65	80	100
code	2428015	2428020	2428025	2428032	2428040	2428050	2428065	2428080	2428100



2427 - Cap with lock

Ø	20	25	32	40	50	65	80	100
code	2427020	2427025	2427032	2427040	2427050	2427065	2427080	2427100



2429 - Cap without lock

Ø	25	32	40	50	65	80	100
code	2429025	2429032	2429040	2429050	2429065	2429080	2429100



2422 - Reduced coupling with lock

Ø	50/40	65/40	65/50	80/50	80/65	100/40	100/50	100/65	100/80
code	2422053	2422065	2422066	2422081	2422082	2422100	2422101	2422102	2422103



**Single spanner
wrench - steel**
(for DN20 to DN65)

code	
9830897	



**Universal spanner
wrench - steel**
(for DN20 to DN115)

code	
9830898	

Express fittings - NF standard



Individual packing

Excluded from 2014/68/EU Directive (art. 4, §3) - For water & compressed air - Distance between claws: 41 mm - NFE 29573 - Brass body -
⚠ Not compatible with DIN standard.

■ Brass - Without gasket

PS: 10 bar - TS: -5°C/+60°C.

2285 - Hose coupling

Ø	7	9	11	13	16	19	22	25
code	2285007	2285009	2285011	2285013	2285016	2285019	2285022	2285025

2286 - Male coupling

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
code	2286002	2286003	2286004	2286005	2286006	2286007

2287 - Female coupling

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
code	2287002	2287003	2287004	2287005	2287006	2287007

2288 - Cap coupling

for all references	
code	2288001



Mandatory packing applies

■ Brass - With NBR gasket

PS: 10 bar - TS: -5°C/+60°C.

2280 - Hose coupling

Ø	7	9	11	13	16	19	22	25
pack	10	10	10	10	10	10	10	10
code	2280007	2280009	2280011	2280013	2280016	2280019	2280022	2280025

2281 - Male coupling

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
pack	10	10	10	10	10	10
code	2281002	2281003	2281004	2281005	2281006	2281007

2282 - Female coupling

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
pack	10	10	10	10	10	10
code	2282002	2282003	2282004	2282005	2282006	2282007

Spare gasket Ø 22 - NBR

for all references	
pack	10
code	9830984

Spare gasket Ø 16 (reduced hole) - NBR

for all references	
pack	10
code	9830983

98440 - Claw clamp

Ref.	15	17	20	23	26	29	32	36	38
Ø ext.	14-16	16-18	19-21	22-24	25-27	28-30	31-33	34-37	37-39
Ø int.	7	9	10	11	13	16-19	19	22	25
code	9844015	9844017	9844020	9844023	9844026	9844029	9844032	9844036	9844038

2283 - Cap coupling

for all references	
pack	10
code	2283001



Individual packing

Excluded from 2014/68/EU Directive (art. 4, §3) - For all common fluids - Distance between claws: 41 mm - NFE 29573 - Stainless steel CF8M body -
⚠ Not compatible with DIN standard.

■ Stainless steel CF8M - With FKM gasket

PS: 10 bar - TS: -5°C/+150°C.

2290 - Hose coupling

Ø	16	19	25
code	2290016	2290019	2290025

2291 - Male coupling

Ø	1/2"	3/4"	1"
code	2291004	2291005	2291006

2292 - Female coupling

Ø	1/2"	3/4"	1"
code	2292004	2292005	2292006

2293 - Cap coupling

for all references	
code	2293001

Spare gasket Ø 15 - FKM

for all references	
code	9830986

Flange adaptors & couplings

Excluded from 2014/68/EU Directive (article 1, §2.b) - Construction acc. to EN 14525 - For water supply & distribution networks - Flanged PN10/16 - GGG50 body - Epoxy coating 250 µm - EPDM gasket - Geomet 500 coated bolting - PS: 16 bar (except 2507 & 2509: see table) - TS: 0°C/+60°C.



Couplings

2505 - Universal coupling for rigid pipes

Suitable for rigid pipes, such as cast iron, carbon steel, PVC, asbestos cement. ⚠ Not suitable for PE pipes.



Ø ext. min.	58	68	84	109	133	157	177	194	218	242	266	280	302
Ø ext. max.	74	84	105	133	157	183	201	215	242	268	291	305	327
length (mm)	200	200	200	210	210	230	230	230	250	250	250	275	275
code	2505050	2505065	2505080	2505100	2505125	2505150	2505151	2505200	2505201	2505250	2505251	2505252	2505300

Ø ext. min.	324	351	386	410	436
Ø ext. max.	350	378	410	436	462
length (mm)	290	290	290	290	290
code	2505301	2505350	2505351	2505400	2505401

2507 - Universal coupling

Suitable for rigid pipes, such as cast iron, carbon steel, PVC, PE-HD, asbestos cement - With mechanical locking ring to avoid axial movement of the pipes.



Ø ext. min.	46	70	88	108	133	159	200	250	315
Ø ext. max.	70	95	123	143	168	194	235	285	350
PS (bar)	16	16	16	16	16	16	16	10	10
length (mm)	240	240	250	250	260	260	295	305	315
code	2507050	2507065	2507080	2507100	2507125	2507150	2507200	2507250	2507300

2508 - Coupling for PVC & PE pipes

Suitable for PVC-U & PE-HD pipes - With mechanical locking ring to avoid axial movement of the pipes.



Ø ext.	63	75	90	110	125	140	160	180	200	225	250	280	315
length (mm)	200	200	200	200	200	200	200	200	220	290	290	290	320
code	2508063	2508075	2508090	2508110	2508125	2508140	2508160	2508180	2508200	2508225	2508250	2508280	2508315

Flange adaptors

2501 - Universal flange adaptor with stop for rigid pipes

Suitable for rigid pipes, such as cast iron, carbon steel, PVC, asbestos cement. ⚠ Not suitable for PE pipes.



DN	50	60-65	80	100	125	150	200	200	250	250	250	300	300
Ø ext. min.	58	68	84	109	133	157	194	218	242	266	280	302	324
Ø ext. max.	74	84	105	133	157	183	215	242	268	291	305	327	350
length (mm)	160	160	160	160	185	185	185	185	185	185	190	190	210
code	2501050	2501060	2501080	2501100	2501125	2501150	2501200	2501201	2501250	2501251	2501252	2501300	2501301

DN	350	350	400	400	400
Ø ext. min.	352	386	386	410	436
Ø ext. max.	378	410	410	436	462
length (mm)	210	210	230	230	230
code	2501350	2501351	2501400	2501401	2501402

2509 - Flange adaptor

Suitable for rigid pipes, such as cast iron, carbon steel, PVC, PE-HD, asbestos cement - With mechanical locking ring to avoid axial movement of the pipes.



DN	50	60-65	80	100	125	150	200	250	300
Ø ext. min.	46	70	88	108	133	159	200	250	315
Ø ext. max.	70	95	123	143	168	194	235	285	350
PS (bar)	16	16	16	16	16	16	16	10	10
length (mm)	170	195	215	225	225	225	245	265	275
code	2509050	2509065	2509080	2509100	2509125	2509150	2509200	2509250	2509300

2503 - Flange adaptor for PVC & PE pipes

Suitable for PVC-U & PE-HD pipes - With mechanical locking ring to avoid axial movement of the pipes.



DN	50-65	60-65	80	100	125	125	150	150	200	200	250	250	300
Ø ext.	63	75	90	110	125	140	160	180	200	225	250	280	315
length (mm)	130	130	130	130	130	130	140	132	140	180	180	180	180
code	2503063	2503075	2503090	2503110	2503125	2503140	2503160	2503180	2503200	2503225	2503250	2503280	2503315

Flanges

2504 - Flange for PVC pipes PN10/16

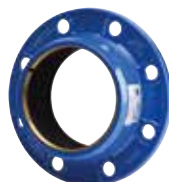
Suitable for PVC pipes.



DN	50-60-65	60-65	80	80	100	125	125	150	200	200	250	300	400
Ø ext.	63	75	75	90	110	125	140	160	200	225	250	315	400
length (mm)	54	57	58	65	67	67	73	73	88	91	91	108	132
code	2504064	2504075	2504076	2504090	2504110	2504125	2504140	2504160	2504200	2504225	2504250	2504315	2504400

2502 - Flange for PVC & PE pipes PN10/16

Suitable for PVC, PVC-O & PE pipes - With mechanical locking ring to avoid axial movement of the pipes.



DN	60-65	60-65	80	100	125	125	150	200	200	250	300	400
Ø ext.	63	75	90	110	125	140	160	200	225	250	315	400
length (mm)	54	57	65	67	67	73	73	88	91	91	108	132
code	2502064	2502075	2502090	2502110	2502125	2502140	2502160	2502200	2502225	2502250	2502315	2502400

2510 - Studded reduction flange

PN10/16 up to DN200, PN10 above - PS: 10 bar for PN10 flanges, 16 bar for PN16 flanges.

DSA: Double studded adaptor / **SSA:** Single studded adaptor



DN	60	60	65	80	80	80	80	100	100	100	100	125
DN1	40	50	40	40	50	60	65	40	60	65	80	60
type	DSA	DSA	DSA	DSA	DSA	DSA	DSA	DSA	DSA	DSA	DSA	DSA
code	2510060	2510061	2510065	2510080	2510081	2510082	2510083	2510100	2510102	2510103	2510104	2510125

DN	125	125	125	150	150	150	150	150	200	200	200	200
DN1	65	80	100	60	65	80	100	125	60	65	80	100
type	DSA	DSA	DSA	SSA	SSA	SSA	DSA	DSA	SSA	SSA	SSA	SSA
code	2510126	2510127	2510128	2510150	2510151	2510152	2510153	2510154	2510200	2510201	2510202	2510203

DN	200	200	200/16	250	250	300	300
DN1	125	150	150	150	200	200	250
type	SSA	DSA	DSA	SSA	DSA	SSA	DSA
code	2510204	2510205	2510206	2510250	2510251	2510300	2510301

2514 - Threaded flange RF PN10/16

PN10/16 - PS: 10 bar for PN10 flanges, 16 bar for PN16 flanges.



DN	40	40	40	40	40	50	50	60/65	60/65	60/65	60/65	80
threaded outlet	3/4"	1"	1 1/4"	1 1/2"	2"	3/4"	1"	3/4"	1"	1 1/2"	2"	3/4"
code	2514041	2514042	2514043	2514044	2514045	2514051	2514052	2514061	2514062	2514064	2514065	2514081

DN	80	80	80	100	100	100	100	125	125	125	150	150
threaded outlet	1"	1 1/2"	2"	3/4"	1"	1 1/2"	2"	1"	1 1/2"	2"	1"	1 1/4"
code	2514082	2514084	2514085	2514101	2514102	2514104	2514105	2514127	2514129	2514130	2514152	2514153

DN	150	150	200	200	250	250	300	300
threaded outlet	1 1/2"	2"	1 1/2"	2"	1 1/2"	2"	1 1/2"	2"
code	2514154	2514155	2514204	2514205	2514254	2514255	2514304	2514305

2512 - Threaded flange RF PN10/16 - Small thread M40x300

PN10/16 - PS: 10 bar for PN10 flanges, 16 bar for PN16 flanges.



DN	40	50	60/65	80	100	125	150	200	250	300
PN	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
code	2512040	2512050	2512060	2512080	2512100	2512125	2512150	2512200	2512250	2512300

2513 - Threaded flange RF PN10/16 - Large thread M55x300

PN10/16 - PS: 10 bar for PN10 flanges, 16 bar for PN16 flanges.



DN	40	50	60/65	80	100	125	150	200	250	300
PN	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
code	2513040	2513050	2513060	2513080	2513100	2513125	2513150	2513200	2513250	2513300

2511 - Blind flange RF PN10/16

PN10/16 - PS: 10 bar for PN10 flanges, 16 bar for PN16 flanges.



DN	40	50	60/65	80	100	125	150	200	250	300
PN	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
code	2511040	2511050	2511060	2511080	2511100	2511125	2511150	2511200	2511250	2511300

Repair clamps

Excluded from 2014/68/EU Directive (article 1, §2.b) - F304 stainless steel band - Ductile iron clamp - Steel bolts - EPDM (ACS certified) or NBR rubber gasket - PS: see tables - TS: -10°C/+60°C - Suitable for rigid pipes such as cast iron, steel, PVC, low density PE. **Do not use on high density PE pipes.**



■ Repairing



1401 - M Type - 1 bolt - EPDM - Length 80 mm

ext. pipe Ø		PS	code
min.	max.		
21	25	35	1401021
26	30	35	1401026
29	33	35	1401029
33	37	30	1401033
38	42	30	1401038
42	45	25	1401042
48	51	25	1401048
50	54	22	1401050
55	60	22	1401055
60	64	20	1401060
65	69	20	1401065
69	73	20	1401069
71	76	18	1401071
76	82	18	1401076
82	87	15	1401082
87	93	15	1401087
94	100	15	1401094
99	104	15	1401099
105	111	13	1401105
112	118	13	1401112
120	126	13	1401120
126	131	10	1401126
131	136	10	1401131
139	145	10	1401139
156	162	8	1401156
167	173	8	1401167

■ Repairing for complete break



1403 - B Type - 3 bolts - EPDM - Length 200 mm

ext. pipe Ø		PS	code
min.	max.		
48	56	32	1403048
56	64	31	1403056
60	68	30	1403060
68	78	29	1403068
78	88	28	1403078
88	98	26	1403088
98	108	25	1403098
108	118	23	1403108
114	126	22,5	1403114
126	138	21,5	1403126
138	150	20	1403138
140	153	20	1403140
150	162	19	1403150
162	174	17	1403162
168	182	16,5	1403168
174	186	16	1403174
186	198	15	1403186
198	210	13,5	1403198
210	223	13	1403210
222	234	12	1403222
234	246	11	1403234
243	255	10,5	1403243
273	285	9	1403273



1405 - B Type - 3 bolts - NBR - Length 200 mm

ext. pipe Ø		PS	code
min.	max.		
48	56	32	1405048
56	64	31	1405056
60	68	30	1405060
68	78	29	1405068
78	88	28	1405078
88	98	26	1405088
98	108	25	1405098
108	118	23	1405108
114	126	22,5	1405114
126	138	21,5	1405126
138	150	20	1405138
140	153	20	1405140
150	162	19	1405150
162	174	17	1405162
168	182	16,5	1405168
174	186	16	1405174
186	198	15	1405186
198	210	13,5	1405198
210	223	13	1405210
222	234	12	1405222
234	246	11	1405234
243	255	10,5	1405243
273	285	9	1405273



1406 - D Type (2 piece) - 3 bolts x 2 - EPDM - Length 200 mm

ext. pipe Ø		PS	code
min.	max.		
88	110	26	1406088
114	137	22,5	1406114
138	160	20	1406138
160	182	17	1406160
182	202	15,5	1406182
202	224	13,5	1406202
217	240	12,5	1406217
240	262	10,5	1406240
262	284	9,5	1406262
273	296	9	1406273
296	319	8	1406296
324	346	6,5	1406324
346	368	6	1406346
365	387	5,5	1406365
387	410	4,5	1406387
410	432	4	1406410
428	450	3,5	1406428
450	474	3	1406450
470	492	2,5	1406470
492	516	2,5	1406492

Excluded from 2014/68/EU Directive (article 1, §2.b) - For water supply & distribution networks - Polypropylene body - PS: 12,5 bar - TS: -10°C/+45°C.



1189 - Tapping bridge for PVC & PE pipes



ext. pipe Ø	25	25	32	32	40	40	40	50	50	50	63	63	63	63	63
thread	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1"	1/2"	3/4"	1"	1/2"	3/4"	1"	1 1/4"	1 1/2"
pack	10/170	10/170	10/170	10/170	5/140	5/140	5/140	5/130	5/130	5/130	5/120	5/120	5/120	5/120	5/120
code	1189254	1189255	1189324	1189325	1189414	1189415	1189416	1189514	1189515	1189516	1189634	1189635	1189636	1189637	1189638

Excluded from 2014/68/EU Directive (article 1, §2.b) - For water supply & distribution networks - Cast iron body - NBR glued gasket - F304 bridge and screws - Suitable for PE, PVC, carbon steel and cast iron pipes - PS: 10 bar - TS: -10°C/+60°C.

1190 - Tapping bridge for universal use



DN	Ø ext.	Threaded outlet							
		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
30	40-50	1190038	1190039						
40	48-55		1190048	1190049					
50	60-68		1190060	1190061	1190062	1190063			
65	72-80		1190070	1190071	1190072	1190073			
70	76-84		1190076	1190077	1190078	1190079			
80	88-104		1190089	1190090	1190091	1190092	1190093		
90	98-112		1190100	1190101	1190102	1190103			
100	112-126		1190114	1190115	1190116	1190117	1190118		
125	140-154		1190140	1190141	1190142	1190143	1190144		
150	168-184		1190168	1190169	1190170	1190171	1190172	1190173	1190174

Excluded from 2014/68/EU Directive (article 1, §2.b) - Threaded connection acc. to ISO 965 - Forged steel body - Suitable for rigid pipes, such as cast iron, steel, PVC, asbestos cement - Double tightness EPDM gasket - PS: 16 bar - TS: +4°C/+40°C.



2950 - Tapping bridge small thread M40x300

2951 - Tapping bridge large thread M55x300



DN	40	50	60	80	100	125	150	175	200	225	250	275	300
pipe Ø (mm)	50-62	63-74	75-89	90-109	110-135	136-159	160-175	175-211	212-233	234-269	270-290	291-310	311-325
2950 code	2950040	2950050	2950060	2950080	2950100	2950125	2950150	2950175	2950200	2950225	2950250	2950275	2950300
2951 code	-	2951050	2951060	2951080	2951100	2951125	2951150	2951175	2951200	2951225	2951250	2951275	2951300

2956 - Bronze cap

for 2950 & 2951 tapping bridges.



Ø	M40x300	M55x300
code	2956040	2956055

2957 - Bronze reduced bush

for 2950 tapping bridge.

2958 - Bronze reduced bush

for 2951 tapping bridge.



Ø	1/2"	3/4"	1"	1/2"	3/4"	1"
tapping bridge Ø	M40x300	M40x300	M40x300	M55x300	M55x300	M55x300
code	2957004	2957005	2957006	2958004	2958005	2958006