

GROOVED ACCESSORIES



FLEXIBLE COUPLING

2



ANGLE-PAD COUPLING

3



PUSH ON COUPLING

4



REDUCING COUPLING

5



45° ELBOW

6



90° ELBOW

7



T

8



REDUCING T

9



CONCENTRIC GEARBOX

11



"U" SADDLE

13



THREADED SADDLE

14



GROOVED SADDLE

16



GROOVED FLANGE PN16

18



FLANGE ADAPTOR PN16

19



PLUG

20



EXCENTRIC PLUG

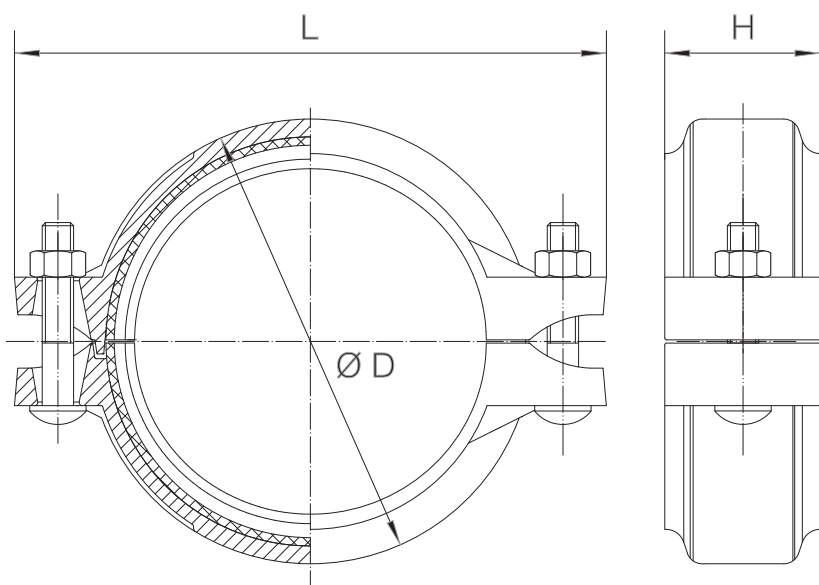
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TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Grooved:** AWWA C606.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 989.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		Ø D	L	H	Nuts and bolts	
mm	inches	mm	inches	Mm	mm	mm	mm	inches
25	1"	33.7	1.3"	55	97	45	M10 x 40	3/8" x 1-1/2"
32	1-1/4"	42.4	1.6"	63.5	107.5	45	M10 x 45	3/8" x 1-3/4"
40	1-1/2"	48.3	1.9"	69	114	45	M10 x 45	3/8" x 1-3/4"
50	2"	60.3	2.3"	83.6	124	46	M10 x 55	3/8" x 2-1/8"
65	2-1/2"	73.0 / 76.1	2.8" / 3"	98	137	46	M10 x 55	3/8" x 2-1/8"
80	3"	88.9	3.5"	114	156	46	M10 x 55	3/8" x 2-1/8"
100	4"	114.3	4.5"	142	189	50	M12 x 65	1/2" x 2-5/8"
125	5"	139.7 / 141.3	5.5" / 5.6"	170	222	50	M12 x 65	1/2" x 2-5/8"
150	6"	165.1 / 168.3	6.5" / 6.6"	196	244	50	M12 x 65	1/2" x 2-5/8"
200	8"	219.1	8.6"	256	316	60	M16 x 80	5/8" x 3-1/8"
250	10"	273.0	10.7"	319	393	64	M20 x 90	3/4" x 3-1/2"
300	12"	323.9	12.7"	374	453	65	M20 x 110	3/4" x 4-1/3"



Mod. XGQT2

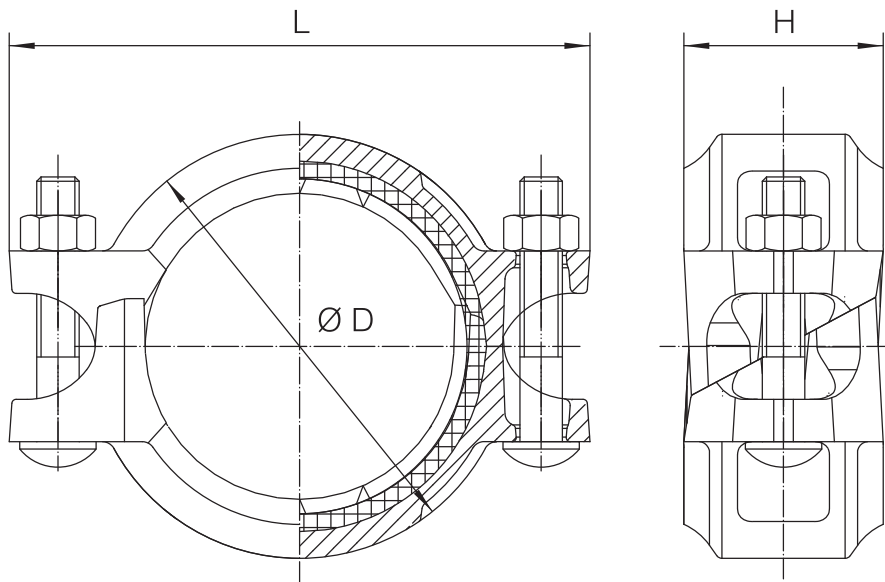
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Grooved:** AWWA C606.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 989.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		Ø D	L	H	Nuts and bolts	
mm	inches	mm	inches	mm	mm	mm	mm	inches
25	1"	33,7	1,3"	56	96	47	M10 x 60	3/8" x 2-3/8"
32	1-1/4"	42,4	1,6"	64	106	47	M10 x 60	3/8" x 2-3/8"
40	1-1/2"	48,3	1,9"	69	113	47	M10 x 60	3/8" x 2-3/8"
50	2"	60,3	2,3"	88	122	47	M10 x 60	3/8" x 2-3/8"
65	2-1/2"	73,0 / 76,1	2,8" / 3"	100	137	47	M10 x 70	3/8" x 2-3/4"
80	3"	88,9	3,5"	116	154	47	M10 x 70	3/8" x 2-3/4"
100	4"	114,3	4,5"	142	188	52	M12 x 75	1/2" x 3"
125	5"	139,7 / 141,3	5,5" / 5,6"	170	219	52	M12 x 80	1/2" x 3-1/8"
150	6"	165,1 / 168,3	6,5" / 6,6"	196	244	52	M12 x 80	1/2" x 3-1/8"
200	8"	219,1	8,6"	262	322	66	M16 x 120	5/8" x 4-3/4"
250	10"	273,0	10,7"	325	400	66	M20 x 170	3/4" x 6-7/10"
300	12"	323,9	12,7"	376	468	67	M22 x 185	7/8" x 7-1/4"



Mod. GKS

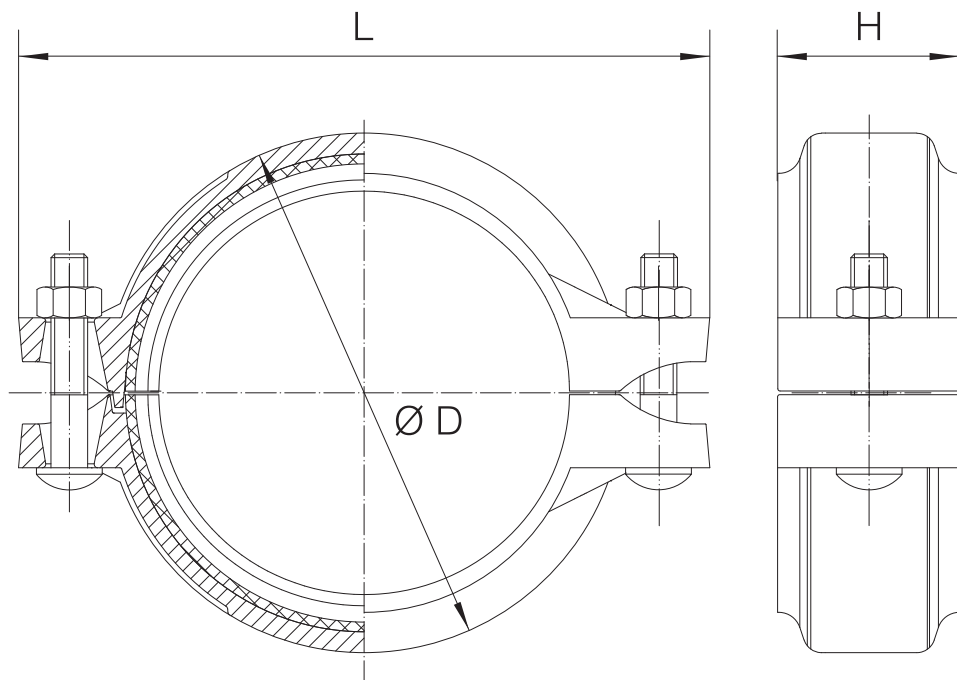
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Grooved:** AWWA C606.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 989.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		Ø D	L	H	Screws	
mm	inches	mm	inches	mm	mm	mm	mm	inches
32	1-1/4"	42,4	1,6"	75,5	112	47	M10 x 60	3/8" x 60"
40	1-1/2"	48,3	1,9"	78,0	117	47	M10 x 60	3/8" x 60"
50	2"	60,3	2,3"	90,0	132	48	M10 x 60	3/8" x 60"
65	2-1/2"	76,1	3"	106,0	150	48	M10 x 70	3/8" x 70"
80	3"	88,9	3,5"	121,0	164	49	M12 x 75	1/2" x 75"
100	4"	114,3	4,5"	147,0	190	52	M12 x 75	1/2" x 75"
125	5"	139,7	5,5"	174,0	222	52	M12 x 80	1/2" x 80"
150	6"	165,1 / 168,3	6,5" / 6,6"	204,0	263	52	M16 x 85	5/8" x 3-1/3"
200	8"	273,0	10,7"	320,0	252	65	M16 x 120	5/8" x 4-3/4"



Mod. XGQT4 Fast connect rigid coupling

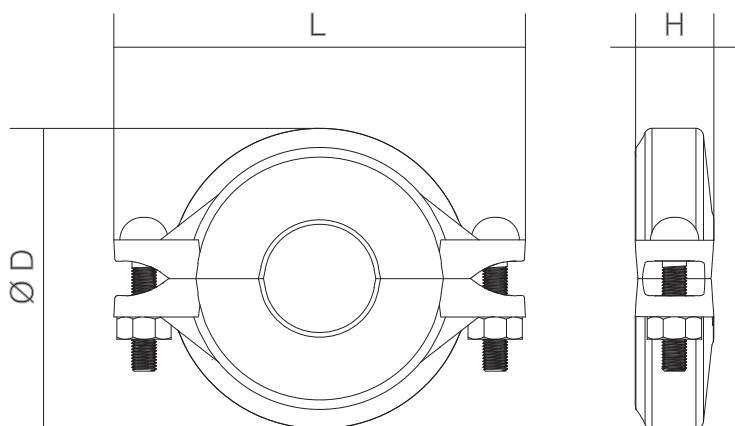
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Grooved:** AWWA C606.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 989.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		Ø D	L	H	Screws	
mm	inches	mm	inches	mm	mm	mm	mm	inches
50 x 40	2" x 1-1/2"	60.3 x 48.3	2.375" x 1.9"	82	130	46	M10 x 55	3/8" x 2-1/8"
65 x 25	2-1/2" x 1"	73.0 / 76.1 x 33.7	2.8" / 3" x 1.327"	97	151	46	M10 x 55	3/8" x 2-1/8"
65 x 32	2-1/2" x 1-1/4"	73.0 / 76.1 x 42.4	2.8" / 3" x 1.669"	97	151	46	M10 x 55	3/8" x 2-1/8"
65 x 40	2-1/2" x 1-1/2"	73.0 / 76.1 x 48.3	2.8" / 3" x 1.9"	97	151	46	M10 x 55	3/8" x 2-1/8"
65 x 50	2-1/2" x 2"	73.0 / 76.1 x 60.3	2.8" / 3" x 2.375"	97	151	46	M10 x 55	3/8" x 2-1/8"
80 x 40	3" x 1-1/2"	88.9 x 48.3	3.5" x 1.9"	112	166.6	46	M12 x 65	1/2" x 2-5/8"
80 x 50	3" x 2"	88.9 x 60.3	3.5" x 2.375"	126.6	166.6	46	M12 x 65	1/2" x 2-5/8"
80 x 65	3" x 2-1/2"	88.9 x 73 / 76.1	3.5" x 2.8" / 3"	123.6	166.6	46	M12 x 65	1/2" x 2-5/8"
100 x 50	4" x 2"	114.3 x 60.3	4.5" x 2.375"	151.2	200	50	M12 x 65	1/2" x 2-5/8"
100 x 65	4" x 2-1/2"	114.3 x 73.0 / 76.1	4.5" x 2.8" / 3"	151.2	200	50	M12 x 65	1/2" x 2-5/8"
100 x 80	4" x 3"	114.3 x 88.9	4.5" x 3.5"	151.2	200	50	M12 x 65	1/2" x 2-5/8"
125 x 100	5" x 4"	139.7 / 141.3 x 114.3	5.5" / 5.6" x 4.5"	167	230	52	M16 x 80	5/8" x 3-1/8"
150 x 65	6" x 2-1/2"	165.1 x 73.0 168.3 x 76.1	6.5" x 2.8" 6.6" x 3"	199.4	275	52	M16 x 80	5/8" x 3-1/8"
150 x 80	6" x 3"	165.1 / 168.3 x 88.9	6.5" / 6.6" x 3.5"	199.4	275	52	M16 x 80	5/8" x 3-1/8"
150 x 100	6" x 4"	165.1 / 168.3 x 114.3	6.5" / 6.6" x 4.5"	199.4	275	52	M16 x 80	5/8" x 3-1/8"
200 x 150	8" x 6"	219.1 x 165.1 / 168.3	8.625" x 6.5" / 6.6"	258	336	58	M20 x 110	3/4" x 4-1/3"



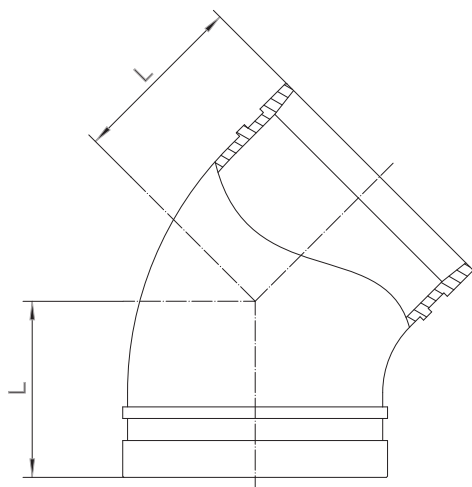
Mod. XGQT3

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Connection:** Grooved short and standard radius.
- **Grooved:** AWWA C606.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		L - standard radius	L - short radius
mm	inches	mm	inches	mm	mm
25	1"	33.7	1.3"	45	-
32	1-1/4"	42.4	1.6"	45	-
40	1-1/2"	48.3	1.9"	45	-
50	2"	57.0	2.2"	51	-
65	2-1/2"	73.0 / 76.1	2.875" / 3.0"	62	48
80	3"	88.9	3.5"	70	53
100	4"	114.3	4.5"	76	60
125	5"	139.7 / 141.3	5.5" / 5.6"	83	68
150	6"	165.1 / 168.3	6.5" / 6.6"	89	75.5
200	8"	219.1	8.6"	108	95
250	10"	273.0	10.7"	-	112
300	12"	323.9	12.75"	-	135



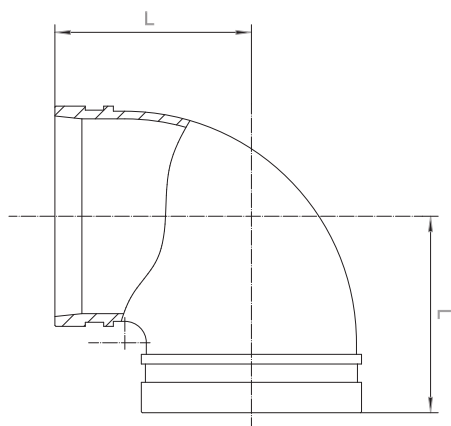
Mod. XGQT011

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Connection:** Grooved short and standard radius.
- **Grooved:** AWWA C606.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		L - standard radius	L - short radius
mm	inches	mm	inches	mm	mm
25	1"	33.7	1.3"	57	-
32	1-1/4"	42.4	1.6"	70	-
40	1-1/2"	48.3	1.9"	70	-
50	2"	57.0	2.2"	83	70
65	2-1/2"	73.0 / 76.1	2.875" / 3.0"	95	76
80	3"	88.9	3.5"	108	85
100	4"	114.3	4.5"	127	102
125	5"	139.7 / 141.3	5.5" / 5.6"	140	121
150	6"	165.1 / 168.3	6.5" / 6.6"	165	130
200	8"	219.1	8.6"	197	175
250	10"	273.0	10.7"	-	215
300	12"	323.9	12.75"	-	220



Mod. XGQT01

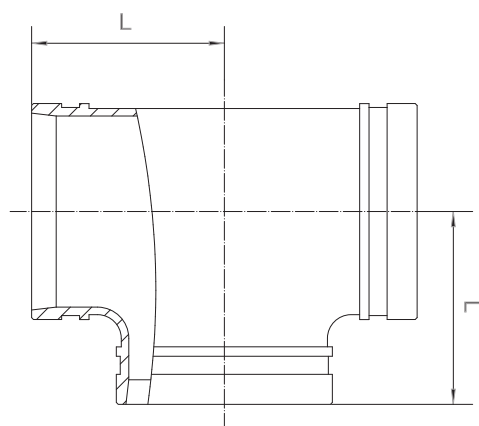
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Connection:** Grooved short and standard radius.
- **Grooved:** AWWA C606.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		L - standard radius	L - short radius
mm	inches	mm	inches	mm	mm
25	1"	33.7	1.3"	57	-
32	1-1/4"	42.4	1.6"	70	-
40	1-1/2"	48.3	1.9"	70	-
50	2"	57.0	2.2"	83	70
65	2-1/2"	73.0 / 76.1	2.875" / 3.0"	95	76
80	3"	88.9	3.5"	108	85
100	4"	114.3	4.5"	127	102
125	5"	139.7 / 141.3	5.5" / 5.6"	140	121
150	6"	165.1 / 168.3	6.5" / 6.6"	165	130
200	8"	219.1	8.6"	197	175
250	10"	273.0	10.7"	-	215
300	12"	323.9	12.75"	-	220



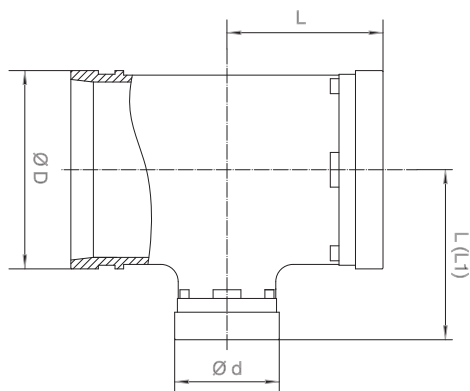
Mod. XGQT03

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Grooved:** AWWA C606.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		L	L1	Ø D	Ø d
mm	inches	mm	inches	mm	mm	mm	mm
50 x 32	2" x 1-1/4"	60.3 x 42.4	2.375" x 1.669"	70	70	60	42
50 x 40	2" x 1-1/2"	60.3 x 48.3	2.375" x 1.9"	70	70	60	48
65 x 32	2-1/2" x 1-1/4"	73.0 / 76.1 x 42.4	2.8" / 3.0" x 1.669"	76	76	76	42
65 x 40	2-1/2" x 1-1/2"	73.0 / 76.1 x 48.3	2.8" / 3.0" x 1.9"	76	76	76	48
65 x 50	2-1/2" x 2"	73.0 / 76.1 x 60.3	2.8" / 3.0" x 2.375"	76	76	76	60
80 x 32	3" x 1-1/4"	88.9 x 42.4	3.5" x 1.669"	86	86	89	42
80 x 40	3" x 1-1/2"	88.9 x 48.3	3.5" x 1.9"	86	86	89	48
80 x 50	3" x 2"	88.9 x 60.3	3.5" x 2.375"	86	86	89	60
80 x 65	3" x 2-1/2"	88.9 x 73.0 / 76.1	3.5" x 2.8" / 3.0"	86	86	89	76
100 x 50	4" x 2"	108 x 60.3	4.25" x 2.375"	90	98	114	60
100 x 65	4" x 2-1/2"	108 x 73.0 / 76.1	4.25" x 2.8" / 3.0"	90	98	114	76
100 x 80	4" x 3"	108 x 88.9	4.25" x 3.5"	90	98	114	89
125 x 50	5" x 2"	139.7 / 141.3 x 60.3	5.5" / 5.6" x 2.375"	105	105	140	60
125 x 65	5" x 2-1/2"	139.7 / 141.39 x 73.0 / 76.1	5.5" / 5.6" x 2.8" / 3.0"	105	105	140	76
125 x 80	5" x 3"	1139.7 / 141.3 x 88.9	5.5" / 5.6" x 3.5"	105	105	140	89
125 x 100	5" x 4"	139.7 / 141.3 x 114.3	5.5" / 5.6" x 4.5"	105	105	140	114
150 x 50	6" x 2"	165.1 / 168.3 x 60.3	6.625" x 2.375"	110	120	168	60
150 x 65	6" x 2-1/2"	165.1 / 168.3 x 73.0 / 76.1	6.625" x 2.8" / 3.0"	110	120	168	76
150 x 80	6" x 3"	165.1 / 168.3 x 88.9	6.625" x 3.5"	110	120	168	8
150 x 100	6" x 4"	165.1 / 168.3 x 114.3	6.625" x 4.5"	110	120	168	114
150 x 125	6" x 5"	165.1 / 168.3 x 139.7	6.625" x 5.5" / 5.6"	110	120	168	140
200 x 65	8" x 2-1/2"	219.1 x 73.0 / 76.1	8.625" x 2.8" / 3.0"	146	146	219	76
200 x 80	8" x 3"	219.1 x 88.9	8.625" x 3.5"	146	146	219	89
200 x 100	8" x 4"	219.1 x 114.3	8.625" x 4.5"	146	146	219	114
250 x 100	10" x 4"	273 x 114,3	10,75" x 4,5"	190	190	273	114
250 x 125	10" x 5"	273 x 139,7	10,75" x 5,5" / 5,6"	190	190	273	140
250 x 150	10" x 6"	273 x 165,1 / 168,3	10,75" x 6,5" / 6,6"	190	190	273	168

Continue

REDUCE T PIECE

Continue

DN		Ø Piping		L	L1	Ø D	Ø d
mm	inches	mm	inches	mm	mm	mm	mm
250 x 200	10" x 8"	273 x 219.1	10.75" x 8.625"	190	190	273	219
300 x 150	12" x 6"	323.9 x 165.1 / 168.3	12.75" x 6.5" / 6.6"	220	220	325	168
300 x 200	12" x 8"	323.9 x 219.1	12.75" x 8.625"	220	220	325	219
300 x 250	12" x 10"	323.9 x 273	12.75" x 10.75"	220	220	325	273



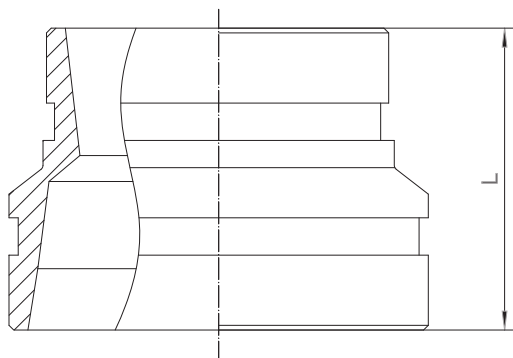
Mod. XGQT03

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Grooved:** AWWA C606.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		L
mm	inches	mm	inches	mm
40 x 32	1-1/2" x 1-1/4"	48.3 x 42.4	1.9" x 1.6"	64
50 x 32	2" x 1-1/4"	60.3 x 42.4	2.3" x 1.6"	64
50 x 40	2" x 1-1/2"	60.3 x 48.3	2.3" x 1.9"	64
65 x 32	2-1/2" x 1-1/4"	73.0 / 76.1 x 42.4	2.8" / 3.0" x 1.6"	64
65 x 40	2-1/2" x 1-1/2"	73.0 / 76.1 x 48.3	2.8" / 3.0" x 1.9"	64
65 x 50	2-1/2" x 2"	73.0 / 76.1 x 60.3	2.8" / 3.0" x 2.3"	64
80 x 32	3" x 1-1/4"	88.9 x 42.4	3.5" x 1.6"	64
80 x 40	3" x 1-1/2"	88.9 x 48.3	3.5" x 1.9"	64
80 x 50	3" x 2"	88.9 x 60.3	3.5" x 2.3"	64
80 x 65	3" x 2-1/2"	88.9 x 73.0 / 76.1	3.5" x 2.8" / 3.0"	64
100 x 32	4" x 1-1/4"	114.3 x 42.4	4.5" x 1.6"	76
100 x 40	4" x 1-1/2"	114.3 x 48.3	4.5" x 1.9"	76
100 x 50	4" x 2"	114.3 x 60.3	4.5" x 2.3"	76
100 x 65	4" x 2-1/2"	114.3 x 73.0 / 76.1	4.5" x 2.8" / 3.0"	76
100 x 80	4" x 3"	114.3 x 88.9	4.5" x 3.5"	76
125 x 50	5" x 2"	139.7 / 141.3 x 60.3	5.5" / 5.6" x 2.3"	85
125 x 65	5" x 2-1/2"	139.7 / 141.3 x 73.0 / 76.1	5.5" / 5.6" x 2.8" / 3.0"	85
125 x 80	5" x 3"	139.7 / 141.3 x 88.9	5.5" / 5.6" x 3.5"	85
125 x 100	5" x 4"	139.7 / 141.3 x 114.3	5.5" / 5.6" x 4.5"	85
150 x 50	6" x 2"	165.1 / 168.3 x 60.3	6.5" / 6.6" x 2.375"	85
150 x 65	6" x 2 1/2"	165.1 / 168.3 x 73.0 / 76.1	6.5" / 6.6" x 2.8" / 3.0"	85
150 x 80	6" x 3"	165.1 / 168.3 x 88.9	6.5" / 6.6" x 3.5"	85
150 x 100	6" x 4"	165.1 / 168.3 x 114.3	6.5" / 6.6" x 4.5"	85
150 x 125	6" x 5"	165.1 / 168.3 x 139.7 / 141.3	6.5" / 6.6" x 5.5" / 5.6"	85
200 x 150	8" x 6"	219,1 x 165,1 / 168,3	8,625" x 6,5" / 6,6"	85
250 x 100	10" x 4"	273 x 114,3	10,75" x 4,5"	90
250 x 125	10" x 5"	273 x 139,7 / 141,3	10,75" x 5,5" / 5,6"	90
250 x 150	10" x 6"	273 x 165,1 / 168,3	10,75" x 6,5" / 6,6"	90

Continue

Continue

DN		Ø Piping		L
mm	inches	mm	inches	mm
250 x 200	10" x 8"	273 x 219,1	10,75" x 8,625"	90
300 x 100	12" x 4"	329,9 x 114,3	12,75" x 4,5"	90
300 x 125	12" x 5"	329,9 x 139,7 / 141,3	12,75" x 5,5" / 5,6"	90
300 x 150	12" x 6"	323,9 x 165,1 / 168,3	12,75" x 6,5" / 6,6"	90
300 x 200	12" x 8"	323,9 x 219,1	12,75" x 8,63"	90
300 x 250	12" x 10"	323,9 x 273	12,75" x 10,75"	90



Mod. XGQT061

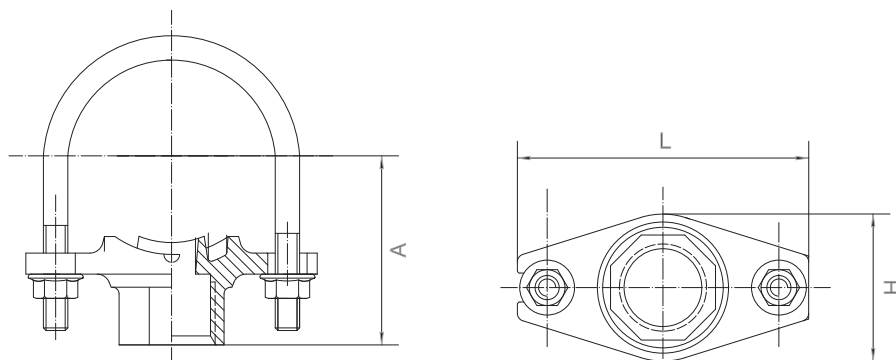
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Outlet Thread** BSTP/NPT.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 898.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		A	L	H	Screws	
mm	inches	mm	inches	mm	mm	mm	mm	inches
25 x 15	1" x 1/2"	24	0.95"	46	74	44	M8 x 44	5/16" x 1-3/4"
32 x 15	1-1/4" x 1/2"	30	1.18"	53	89	56	M10 x 78	3/8" x 3-1/8"
32 x 20	1-1/4" x 3/4"	30	1.18"	53	89	56	M10 x 78	3/8" x 3-1/8"
32 x 25	1-1/4" x 1"	30	1.18"	56	89	56	M10 x 78	3/8" x 3-1/8"
40 x 15	1-1/2" x 1/2"	30	1.18"	55	89	56	M10 x 78	3/8" x 3-1/8"
40 x 20	1-1/2" x 3/4"	30	1.18"	55	89	56	M10 x 78	3/8" x 3-1/8"
40 x 25	1-1/2" x 1"	30	1.18"	58	89	56	M10 x 78	3/8" x 3-1/8"
50 x 15	2" x 1/2"	30	1.18"	64	98	56	M10 x 92	3/8" x 3-3/5"
50 x 20	2" x 3/4"	30	1.18"	64	98	56	M10 x 92	3/8" x 3-3/5"
50 x 25	2" x 1"	30	1.18"	67	98	56	M10 x 92	3/8" x 3-3/5"
65 x 15	2-1/2" x 1/2"	30	1.18"	69	111	56	M10 x 108	3/8" x 4-1/4"
65 x 20	2-1/2" x 3/4"	30	1.18"	69	111	56	M10 x 108	3/8" x 4-1/4"
65 x 25	2-1/2" x 1"	30	1.18"	72	111	56	M10 x 108	3/8" x 4-1/4"
80 x 25	3" x 1"	30	1.18"	80.5	128	56	M10 x 135	3/8" x 4-5/16"



Mod. 041

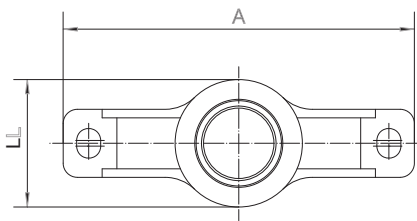
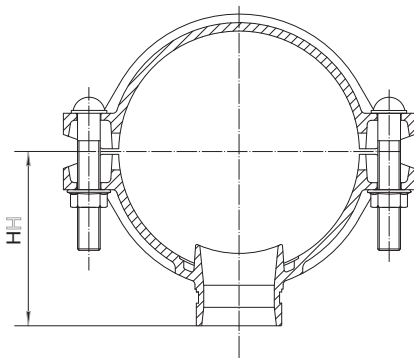
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Outlet:** Thread BSTP/NPT.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 898.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		A	L	H	Screws		Ø Outlet
mm	inches	mm	inches	mm	mm	mm	mm	inches	mm
25 x 15	1" x 1/2"	24	0,95	93	48	28	M10 x 40	3/8" x 1-1/2"	24
32 x 15	1-1/4" x 1/2"	30	1,18	98	65	45	M10 x 40	3/8" x 1-1/2"	30
32 x 20	1-1/4" x 3/4"	30	1,18	98	65	45	M10 x 40	3/8" x 1-1/2"	30
32 x 25	1-1/4" x 1"	30	1,18	98	65	54	M10 x 40	3/8" x 1-1/2"	30
40 x 15	1-1/2" x 1/2"	30	1,18	105,6	65	48	M10 x 40	3/8" x 1-1/2"	30
40 x 20	1-1/2" x 3/4"	30	1,18	105,6	65	48	M10 x 40	3/8" x 1-1/2"	30
40 x 25	1-1/2" x 1"	30	1,18	105,6	65	57	M10 x 40	3/8" x 1-1/2"	30
50 x 15	2" x 1/2"	60,3 x 21,3	2,3" x 0,8"	120	54	50	M10 x 50	3/8" x 2"	30
50 x 20	2" x 3/4"	60,3 x 26,7	2,3" x 1,0"	120	54	50	M10 x 50	3/8" x 2"	30
50 x 25	2" x 1"	60,3 x 33,7	2,3" x 1,3"	120	64	50	M10 x 50	3/8" x 2"	38
50 x 32	2" x 1-1/4"	60,3 x 42,4	2,3" x 1,6"	120	72	55	M10 x 50	3/8" x 2"	46
50 x 40	2" x 1-1/2"	60,3 x 48,3	2,3" x 1,9"	120	72	63	M10 x 50	3/8" x 2"	46
65 x 15	2"-1/2" x 1/2"	73,0 / 76,1 x 21,3	2,8" / 3" x 0,8"	139	54	58	M10 x 50	3/8" x 2"	30
65 x 20	2-1/2" x 3/4"	73,0 / 76,1 x 26,7	2,8" / 3" x 1"	139	54	58	M10 x 50	3/8" x 2"	30
65 x 25	2-1/2" x 1"	73,0 / 76,1 x 33,7	2,8" / 3" x 1,3"	139	65	60	M10 x 50	3/8" x 2"	38
65 x 32	2-1/2" x 1-1/4"	73,0 / 76,1 x 42,4	2,8" / 3" x 1,6"	139	72	60	M10 x 50	3/8" x 2"	46
65 x 40	2-1/2" x 1-1/2"	73,0 / 76,1 x 48,3	2,8" / 3" x 1,9"	139	79	60	M10 x 50	3/8" x 2"	53
80 x 15	3" x 1/2"	88,9 x 21,3	3,5" x 0,8"	155	59	66,5	M10 x 50	3/8" x 2"	30
80 x 20	3" x 3/4"	88,9 x 26,7	3,5" x 1,0"	155	59	66,5	M10 x 50	3/8" x 2"	30
80 x 25	3" x 1"	88,9 x 33,7	3,5" x 1,3"	155	64	67	M10 x 50	3/8" x 2"	38
80 x 32	3" x 1-1/4"	88,9 x 42,4	3,5" x 1,6"	155	72	67	M10 x 50	3/8" x 2"	46
80 x 40	3" x 1-1/2"	88,9 x 48,3	3,5" x 1,9"	155	79	67	M10 x 50	3/8" x 2"	53
80 x 50	3" x 2"	88,9 x 60,3	3,5" x 2,375"	155	90	67	M10 x 50	3/8" x 2"	64
100 x 25	4" x 1"	114,3 x 33,7	4,5" x 1,327"	181	64	79	M12 x 65	1/2" x 2-5/8"	38
100 x 32	4" x 1-1/4"	114,3 x 42,4	4,5" x 1,699"	181	72	79	M12 x 65	1/2" x 2-5/8"	46

Continue

THREADED SADDLE

Continue

DN		Ø Piping		A	L	H	Screws		Ø Outlet
mm	inches	mm	inches	mm	mm	mm	mm	inches	mm
100 x 40	4" x 1-1/2"	114,3 x 48,3	4,5" x 1,9"	181	79	79	M12 x 65	1/2" x 2-5/8"	53
100 x 50	4" x 2"	114,3 x 60,3	4,5" x 2,375"	181	90	79	M12 x 65	1/2" x 2-5/8"	64
100 x 65	4" x 2-1/2"	114,3 x 76,1	4,5" x 2,8" / 3"	181	117	105	M12 x 65	1/2" x 2-5/8"	70
100 x 80	4" x 3"	114,3 x 88,9	4,5" x 3,5"	181	129	83	M12 x 65	1/2" x 2-5/8"	89
125 x 25	5" x 1"	139,7 / 141,3 x 33,7	5,5" / 5,6" x 1,327"	212	76	93	M12 x 75	1,2" x 3"	38
125 x 32	5" x 1-1/4"	139,7 / 141,3 x 42,4	5,5" / 5,6" x 1,669"	212	83	93	M12 x 75	1,2" x 3"	46
125 x 40	5" x 1-1/2"	139,7 / 141,3 x 48,3	5,5" / 5,6" x 1,9"	212	90	93	M12 x 75	1,2" x 3"	53
125 x 50	5" x 2"	139,7 / 141,3 x 60,3	5,5" / 5,6" x 2,375"	212	100	93	M12 x 75	1,2" x 3"	64
125 x 65	5" x 2-1/2"	139,7 / 141,3 x 73,0 / 76,1	5,5" / 5,6" x 2,8" / 3"	212	117	115	M12 x 75	1,2" x 3"	70
125 x 80	5" x 3"	139,7 / 141,3 x 88,9	5,5" / 5,6" x 3,5"	212	136	118	M12 x 75	1,2" x 3"	89
150 x 25	6" x 1"	165,1 / 168,3 x 33,7	6,5" / 6,6" x 1,327"	248	64	106	M16 x 85	5/8" x 3-1/3"	38
150 x 32	6" x 1-1/4"	165,1 / 168,3 x 45,4	6,5" / 6,6" x 1,669"	248	72	106	M16 x 85	5/8" x 3-1/3"	46
150 x 40	6" x 1-1/2"	165,1 / 168,3 x 48,3	6,5" / 6,6" x 1,9"	248	79	106	M16 x 85	5/8" x 3-1/3"	53
150 x 50	6" x 2"	165,1 / 168,3 x 60,3	6,5" / 6,6" x 2,375"	248	90	106	M16 x 85	5/8" x 3-1/3"	64
150 x 65	6" x 2-1/2"	165,1 / 168,3 x 73,0 / 76,1	6,5" / 6,6" x 2,8" / 3"	248	117	128	M16 x 85	5/8" x 3-1/3"	70
150 x 80	6" x 3"	165,1 / 168,3 x 88,9	6,5" / 6,6" x 3,5"	248	136	131	M16 x 85	5/8" x 3-1/3"	89
150 x 100	6" x 4"	165,1 / 168,3 x 114,3	6,5" / 6,6" x 4,5"	248	162	139,5	M16 x 85	5/8" x 3-1/3"	114
200 x 25	8" x 1"	219,1 x 33,7	8,625" x 1,327"	311	76	131	2 M16 x 85	5/8" x 3-1/3"	38
200 x 32	8" x 1-1/4"	219,1 x 42,4	8,625" x 1,669"	311	83	134	2 M16 x 85	5/8" x 3-1/3"	46
200 x 40	8" x 1-1/2"	219,1 x 48,3	8,625" x 1,9"	311	90	134	2 M16 x 85	5/8" x 3-1/3"	53
200 x 50	8" x 2"	219,1 x 60,3	8,625" x 2,375"	311	100	134	2 M16 x 85	5/8" x 3-1/3"	64
200 x 65	8" x 2-1/2"	219,1 x 73,0 / 76,1	8,625" x 2,8" / 3"	311	117	156	2 M16 x 85	5/8" x 3-1/3"	70
200 x 80	8" x 3"	219,1 x 88,9	8,625" x 3,5"	311	136	158,5	2 M16 x 85	5/8" x 3-1/3"	89
200 x 100	8" x 4"	219,1 x 114,3	8,625" x 4,5"	311	162	167	2 M16 x 85	5/8" x 3-1/3"	114
250 x 65	10" x 2-1/2"	273,0 x 73,0 / 76,1	10,75" x 2,8" / 3"	379	117	159	M20 x 90	3/4" x 3-1/2"	80
250 x 80	10" x 3"	273,0 x 88,9	10,75" x 3,5"	379	129	162	M20 x 90	3/4" x 3-1/2"	92



Mod. XGQT04

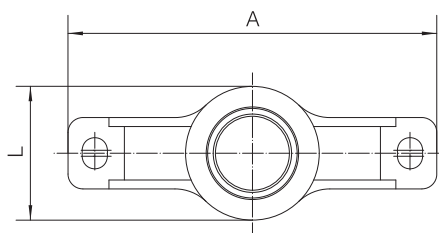
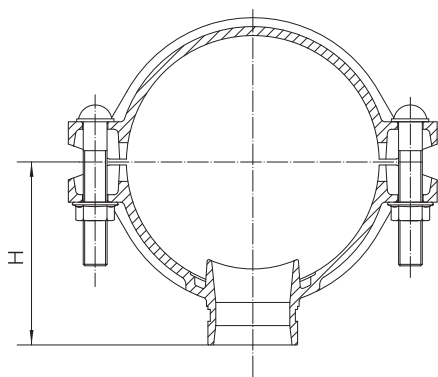
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Joint:** EPDM.
- **Grooved:** AWWA C606.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 898.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		A	L	H	Screws		Ø Piping hole
mm	inches	mm	inches	mm	mm	mm	mm	inches	mm
50 x 32	2" x 1-1/4"	60,3 x 42,4	2,3" x 1,6"	120	72	70	M10 x 50	3/8" x 2"	46
50 x 40	2" x 1-1/2"	60,3 x 48,3	2,3" x 1,9"	120	72	70	M10 x 50	3/8" x 2"	46
65 x 32	2-1/2" x 1-1/4"	73,0 / 76,1 x 42,4	2,8" / 3" x 1,5"	139	72	73	M10 x 55	3/8" x 2-1/8"	46
65 x 40	2-1/2" x 1-1/2"	73,0 / 76,1 x 42,4	2,8" / 3" x 1,9"	139	79	75	M10 x 55	3/8" x 2-1/8"	53
50 x 32	3" x 1-1/4"	69,9 x 42,4	3,5" x 1,9"	155	72	82	M10 x 55	3/8" x 2-1/8"	46
60 x 40	3" x 1-1/2"	88,9 x 48,3	3,8" x 1,9"	155	79	82	M10 x 55	3/8" x 2-1/8"	53
80 x 50	3" x 2"	88,9 x 60,3	3,5" x 2,3"	155	90	82	M10 x 55	3/8" x 2-1/8"	64
100 x 25	4" x 1"	114,3 x 33,7	4,5" x 1,3"	181	64	95,5	M12 x 65	1/2" x 2-5/8"	38
100 x 32	4" x 1-1/4"	114,3 x 42,4	4,5" x 1,0"	181	72	95,5	M12 x 65	1/2" x 2-5/8"	46
100 x 40	4" x 1-1/2"	114,3 x 48,3	4,5" x 1,9"	181	79	95,5	M12 x 65	1/2" x 2-5/8"	53
100 x 50	4" x 2"	114,3 x 60,3	4,5" x 2,3"	181	90	95,5	M12 x 65	1/2" x 2-5/8"	64
100 x 65	4" x 2-1/2"	114,3 x 73,0 / 76,1	4,5" x 2,8" / 3"	181	117	99	M12 x 65	1/2" x 2-5/8"	70
100 x 65	4" x 2-1/2"	114,3 x 73,0 / 76,1	4,5" x 2,8" / 3"	181	117	99	M12 x 65	1/2" x 2-5/8"	70
100 x 80	4" x 3"	114,3 x 88,9	4,5" x 3,6"	181	136	99	M12 x 65	1/2" x 2-5/8"	89
125 x 40	5" x 1-1/2"	139,7 / 141,3 x 48,3	5,5" / 5,6" x 1,9"	212	90	109	M12 x 75	1/2" x 3"	53
125 x 50	5" x 2"	139,7 / 141,3 x 60,3	5,5" / 5,6" x 2,3"	212	100	109	M12 x 75	1/2" x 3"	64
125 x 65	5" x 2-1/2"	139,7 / 141,3 x 73,0 / 76,1	5,5" / 5,6" x 2,8" / 3"	212	117	109	M12 x 75	1/2" x 3"	70
125 x 80	5" x 3"	139,7 / 141,3 x 88,9	5,5" / 5,6" x 3,6"	212	129	109	M12 x 75	1/2" x 3"	89
125 x 100	5" x 4"	139,7 / 141,3 x 114,3	5,5" / 5,6" x 4,5"	212	154	113	M12 x 75	1/2" x 3"	114
150 x 32	6" x 1-1/4"	165,1 / 168,3 x 42,4	6,5" / 6,6" x 1,669"	248	72	121	M16 x 85	5/8" x 3-1/3"	46
150 x 40	6" x 1-1/2"	165,1 / 168,3 x 48,3	6,5" / 6,6" x 1,9"	248	79	121	M16 x 85	5/8" x 3-1/3"	53
150 x 50	6" x 2"	165,1 / 168,3 x 60,3	6,5" / 6,6" x 2,375"	239	100	121	M14 x 85	9/16" x 3-1/3"	64
150 x 65	6" x 2-1/2"	165,1 / 168,3 x 73,0 / 76,1	6,5" / 6,6" x 2,8" / 3"	248	117	127	M14 x 85	9/16" x 3-1/3"	70

Continue

Continue

DN		Ø Piping		A	L	H	Screws		Ø Piping hole
mm	inches	mm	inches	mm	mm	mm	mm	inches	mm
150 x 80	6" x 3"	165,1 / 168,3 x 88,9	6,5" / 6,6" x 3,5"	248	136	127	M14 x 85	9/16" x 3-1/3"	89
150 x 100	6" x 4"	165,1 / 168,3 x 114,3	6,5" / 6,6" x 4,5"	248	162	129	M14 x 85	9/16" x 3-1/3"	114
200 x 50	8" x 2"	219,1 x 60,3	8,625" x 2,375"	311	100	147,5	M16 x 85	5/8" x 3-1/3"	64
200 x 65	8" x 2-1/2"	219,1 x 73,0 / 76,1	8,625" x 2,8" / 3"	311	117	154	M16 x 85	5/8" x 3-1/3"	70
200 x 80	8" x 3"	219,1 x 88,9	8,625" x 3,5"	311	136	154	M16 x 85	5/8" x 3-1/3"	89
200 x 100	8" x 4"	219 x 114,3	8,625" x 4,5"	311	162	156	M16 x 85	5/8" x 3-1/3"	114



Mod. XGQT04

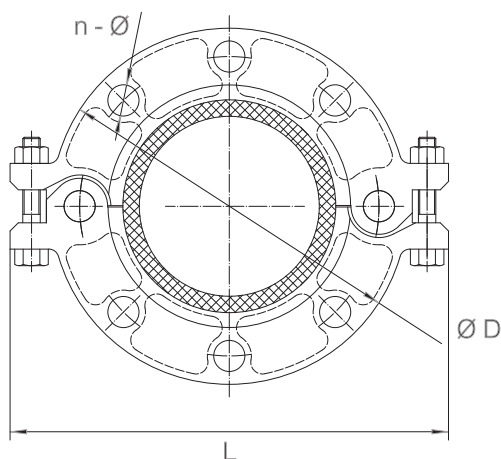
See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 230 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Grooved:** AWWA C606.
- **Flanges:** ISO 7005 PN16.
- **Nuts and bolts:** Zinc-coated carbon steel, conforming to ASTM A183 and ISO 898.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.



DIMENSIONS



DN		Ø Piping		Ø D	L	n - Ø	Nuts	
mm	inches	mm	inches	mm	mm	mm	mm	inches
50	2"	60.3	2.3"	164	210	4 - 18	M10 x 70	3/8" x 2-3/4"
65	2-1/2"	73.0 / 76.1	2.8" / 3"	182	240	8 - 18	M10 x 70	3/8" x 2-3/4"
80	3"	88.9	3.5"	194	250	8 - 18	M10 x 70	3/8" x 2-3/4"
100	4"	114.3	4.5"	216	266	8 - 18	M10 x 70	3/8" x 2-3/4"
125	5"	139.7 / 141.3	5.5" / 5.6"	247	300	8 - 18	M10 x 70	3/8" x 2-3/4"
150	6"	165.1 / 168.3	6.5" / 6.6"	282	336	8 - 22	M12 x 70	1/2" x 2-3/4"
200	8"	219.1	8.6"	335	395	12 - 22	M12 x 80	1/2" x 3-1/8"



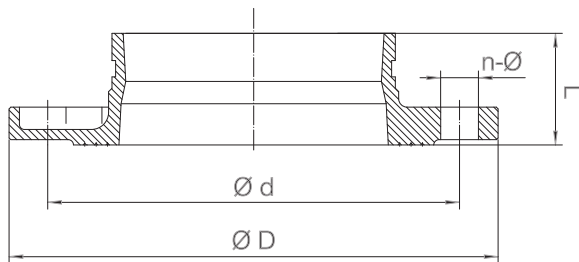
Mod. XGQT09

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 230 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Grooved:** AWWA C606.
- **Flanges:** ISO 7005 PN16.
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		Ø D	Ø d	L	n - Ø
mm	inches	mm	inches	mm	mm	mm	mm
50	2"	60.3	2.375"	165	125	60	4 - 18
65	2-1/2"	73.0 / 76.1	2.875" / 3"	185	145	60	4 - 18
80	3"	88.9	3.5"	200	160	60	8 - 18
100	4"	114.3	4.5"	220	180	60	8 - 18
125	5"	139.7 / 141.3	5.5" / 5.6"	250	210	65	8 - 18
150	6"	165.1 / 168.3	6.5" / 6.6"	285	240	65	8 - 22
200	8"	219.1	8.6"	340	295	70	12 - 22
250	10"	273.0	10.75"	405	355	72	12 - 26
300	12"	323.9	12.75"	460	410	72	12 - 26



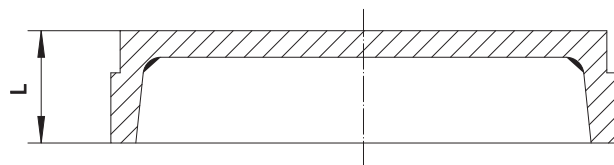
Mod. XGQT08

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		L
mm	inches	mm	inches	mm
25	1"	33.7	1.3"	23.8
32	1-1/4"	42.4	1.6"	23.8
40	1-1/2"	48.3	1.9"	23.8
50	2"	60.3	2.375"	23.8
65	2-1/2"	73.0	2.8"	23.8
65	2-1/2"	76.1	3.0"	23.8
80	3"	88.9	3.5"	23.8
100	4"	108.0	4.2"	23.8
100	4"	114.3	4.5"	25.4
125	5"	133.0	5.2"	25.4
125	5"	139.7	5.5"	25.4
125	5"	141.3	5.5"	25.4
150	6"	159.0	6.2"	25.4
150	6"	165.1	6.5"	25.4
150	6"	168.3	6.6"	25.4
200	8"	219.1	8.6"	32
250	10"	273.0	10.7"	32
300	12"	323.9	12.7"	32



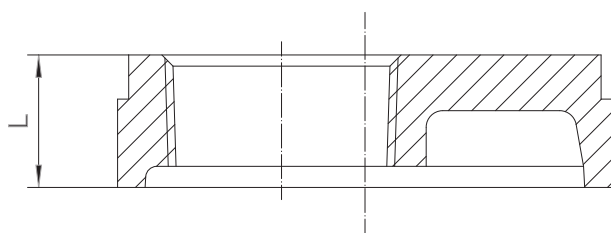
Mod. XGQT06

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL FEATURES

- **Working pressure:** 300 psi.
- **Body:** Ductile iron ASTM A536 65-45-12 (GGG50)
- **Grooved:** AWWA C606.
- **Thread:** BSTP/NPT
- **Coating:** RAL 3000 epoxy powder coating with electrostatic application.
- **Optional coating:** RAL Epoxy 9010 and Dacromet®.

DIMENSIONS



DN		Ø Piping		L
mm	inches	mm	inches	mm
50 x 25	2" x 1"	60.3 x 33.7	2.375" x 1.327"	23.8
50 x 32	2" x 1-1/4"	60.3 x 42.4	2.375" x 1.669"	23.8
50 x 40	2" x 1-1/2"	60.3 x 48.3	2.375" x 1.901"	23.8
65 x 25	2-1/2" x 1"	73.0 / 76.1 x 33.7	2.8" / 3" x 1.327"	23.8
65 x 32	2-1/2" x 1-1/4"	73.0 / 76.1 x 42.4	2.8" / 3" x 1.669"	23.8
65 x 40	2-1/2" x 1-1/2"	73.0 / 76.1 x 48.3	2.8" / 3" x 1.901"	23.8
65 x 50	2-1/2" x 2"	73.0 / 76.1 x 60.3	2.8" / 3" x 2.375"	23.8
80 x 25	3" x 1"	88.9 x 33.7	3.5" x 1.327"	23.8
80 x 32	3" x 1-1/4"	88.9 x 42.4	3.5" x 1.669"	23.8
80 x 40	3" x 1-1/2"	88.9 x 48.3	3.5" x 1.901"	23.8
80 x 50	3" x 2"	88.9 x 60.3	3.5" x 2.375"	23.8
100 x 40	4" x 1-1/2"	114.3 x 48.3	4.5" x 1.901"	25.4
100 x 50	4" x 2"	114.3 x 60.3	4.5" x 2.375"	25.4
125 x 50	5" x 2"	139.7 / 141.3 x 60.3	5.5" x 2.375"	25.4
150 x 40	6" x 1-1/2"	165.1 / 168.3 x 48.3	6.6" x 1.901"	25.4
150 x 50	6" x 2"	165.1 / 168.3 x 60.3	6.6" x 2.375"	25.4
200 x 50	8" x 2"	219.1 x 60.3	8.6" x 2.375"	26.0



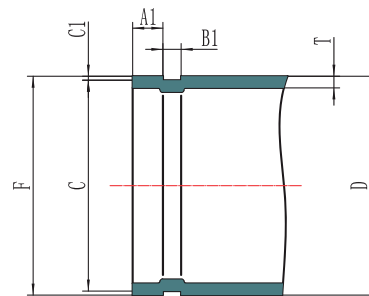
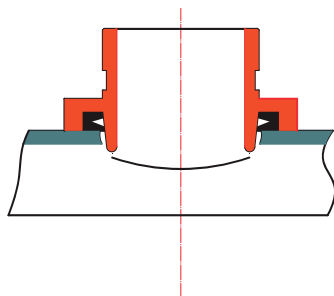
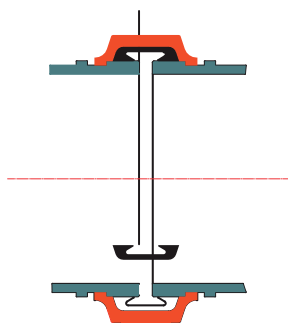
Mod. XGQT061

See the UL/FM list guide or contact us for the full list of approved applications, finishes and diameters.

TECHNICAL INFORMATION

ABOUT THE SLOTS

TOLERANCES

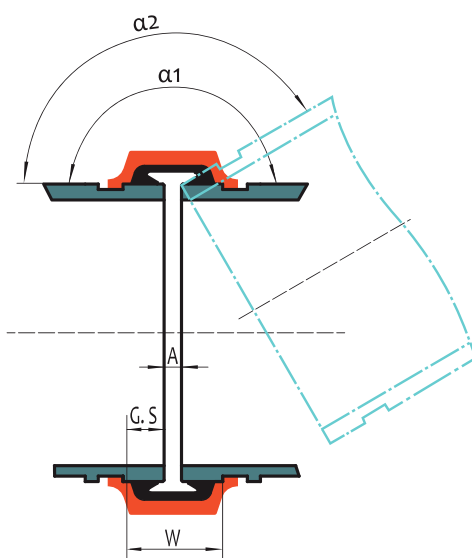


DN	O.D	O.D	A1	B1	C1	C (mm)		T	F
mm	Inches	mm	mm	mm	mm	Basic diameter	Tolerance	mm	mm
DN25	1"	33.7	15.9	7.2	1.6	30.2	-0.38	1.8	34.5
DN32	1 1/4"	42.4	15.9	7.2	1.6	39	-0.38	1.8	43.3
DN40	1 1/2"	48.3	15.9	7.2	1.6	45.1	-0.38	1.8	49.4
DN50	2"	60.3	15.9	8.8	1.6	57.2	-0.38	1.8	62.2
DN65	2 1/2"	73	15.9	8.8	2	69.1	-0.46	2.3	75.2
DN65	2 1/2"	76.1	15.9	8.8	2	72.3	-0.46	2.3	77.7
DN80	3"	88.9	15.9	8.8	2	84.9	-0.46	2.3	90.6
DN100	4"	108	15.9	8.8	2.1	103.7	-0.51	2.3	109.7
DN100	4"	114.3	15.9	8.8	2.1	110.1	-0.51	2.3	116.2
DN125	5"	133	15.9	8.8	2.1	129.1	-0.51	2.9	134.9
DN125	5"	139.7	15.9	8.8	2.1	135.5	-0.51	2.9	141.7
DN125	5"	141.3	15.9	8.8	2.1	137	-0.56	2.9	143.5
DN150	6"	159	15.9	8.8	2.2	154.5	-0.56	2.9	161
DN150	6"	165.1	15.9	8.8	2.2	160.9	-0.56	2.9	167.1
DN150	6"	168.3	15.9	8.8	2.2	164	-0.56	2.9	170.7
DN200	8"	219.1	19.1	11.9	2.4	214.4	-0.64	2.9	221.5
DN250	10"	273	19.1	11.9	2.4	268.3	-0.69	3.6	275.4
DN300	12"	323.9	19.1	11.9	2.8	318.3	-0.76	4	326.2
DN350	14"	355.6	23.8	11.9	2.8	350	-0.7	4.5	359

DIAMETER RANGE

DN (mm)	O.D (Inches)	O.D (mm)	Maximum angular deviation
DN25	1"	33.7	2.3
DN32	1 1/4"	42.4	2.3
DN40	1 1/2"	48.3	2.3
DN50	2"	60.3	2.3
DN65	2 1/2"	73	1.9
DN65	2 1/2"	76.1	1.9
DN80	3"	88.9	1.6
DN100	4"	108	1.7
DN100	4"	114.3	1.6
DN125	5"	133	1.4
DN125	5"	139.7	1.3
DN125	5"	141.3	1.3
DN150	6"	159	1.2
DN150	6"	165.1	1.1
DN150	6"	168.3	1.1
DN200	8"	219.1	0.8
DN250	10"	273	0.7
DN300	12"	323.9	0.6
DN350	14"	355.6	0.5

Additional degrees of angular deflection are permitted for a flexible coupling, but when the flexible coupling is fitted, the value may not exceed the maximum degree.



HANDLING TORQUES

To ensure a good seal, the tightening torque of the screws must be within the range specified below. A higher torque may damage the screws and the fastener body, a lower torque may cause leakage.

Torque	Pair (N*M)
M8(5/16)	25-30
M10(3/8)	60-70
M12(1/2)	90-100
M14(9/16)	135-150
M16(5/8)	200-230
M20(3/4)	270-300
M22(7/8)	270-300
M24(1)	270-300