



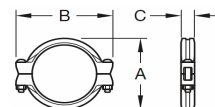
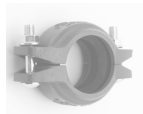
Version 1. 03.12.2025

We reserve the right to change the technical data sheet without prior notice and without any obligation.

Grooved pipe couplings are used for quick and leak-proof connection between grooved pipes and/or grooved fittings. The XGQT2 type flexible coupling does allow minimum movement under pressure or during operation for angular and linear deflection (thermal expansion and contraction, misalignments of pipe). It is suitable for both fire protection and HVAC applications (heating, ventilation, air conditioning).

Product photo	Nominal size (DN)	Size (inch)	Pipe out. diam. (mm)	Product number	Operating pressure (Psi/Bar)	Angular movement per coupling (degree)	Angular movement per coupling (inch/mm)	Size (A) mm	Size (B) mm	Size (C) mm	Bolt x nut	Weight (kg/piece)	Carton quantity (pcs)	Remark
	25	1"	33,7	CPL-F-033-X	300/20,7	2°-45'	0.58"/14,7	53	93	45	M10 x 45	0,44	50	EPDM gasket
	32	1 1/4"	42,4	CPL-F-042-X	300/20,7	2°-10'	0.46"/11,6	63	103	45	M10 x 45	0,50	45	EPDM gasket
	40	1 1/2"	48,3	CPL-F-048-X	300/20,7	1°-54'	0.4"/10,1	68	108	45	M10 x 45	0,56	42	EPDM gasket
	50	2"	60,3	CPL-F-060-X	300/20,7	1°-31'	0.32"/8,1	81	121	45	M10 x 55	0,67	35	EPDM gasket
	65	2 1/2"	76,1	CPL-F-076-X	300/20,7	1°-12'	0.25"/6,3	97	139	46	M10 x 55	0,78	28	EPDM gasket
	80	3"	88,9	CPL-F-089-X	300/20,7	1°-02'	0.22"/5,5	111	153	46	M10 x 55	0,89	20	EPDM gasket
	100	4"	114,3	CPL-F-114-X	300/20,7	1°-36'	0.34"/8,6	138	185	47	M12 x 65	1,24	14	EPDM gasket
	125	5"	139,7	CPL-F-139-X	300/20,7	1°-18'	0.27"/6,8	164	213	47	M12 x 70	1,50	10	EPDM gasket
	150	6"	168,3	CPL-F-168-X	300/20,7	1°-05'	0.23"/5,8	196	256	51	M12 x 70	1,85	7	EPDM gasket
	200	8"	219,1	CPL-F-219-X	300/20,7	0°-50'	0.18"/4,5	196	245	48	M12 x 70	3,40	4	EPDM gasket
	250	10"	273,0	CPL-F-273-X	300/20,7	0°-50'	0.14"/3,5	254	318	60	M16 x 85	5,58	4	EPDM gasket
	300	12"	323,9	CPL-F-324-X	300/20,7	0°-50'	0.12"/3,0	309	388	62	M20 x 110	7,65	4	EPDM gasket

X: Painted = P (PTD), Hot dip galvanized = G (GLV), Dacromet = D (DACR) // Example: CPL-F-048-P = painted version



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

Bolt sizes	M10	M12	M16	M20	M22
Spanner dimension	15	18	24	30	34
Tightening torque	40-60 Nm	110-135 Nm	135-175 Nm	175-245 Nm	245-325 Nm



Storage:
We suggest to store our products in a closed and dry environment.

Material specification:

Housing: Ductile iron (ASTM A536 GRADE: 64-45-12)
Gaskets: EPDM / NBR / Silicone

Corrosion resistance:

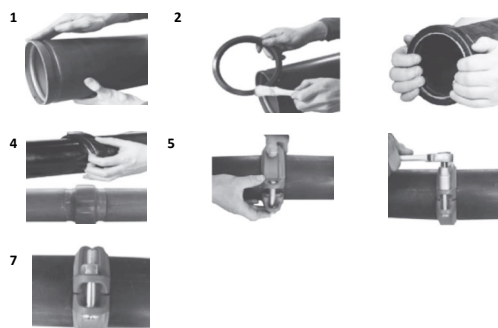
Painted: RAL3000 red, epoxy coating. Coating thickness: 80-150µm
Hot dip galvanized: Coating thickness: 60-120µm
Dacromet: Coating thickness: 8-18µm. (Resistant to neutral salt spray test for 480h.)

Installation recommendation:

Please read the technical data sheet and the installation instructions before working with the product! Installers must be trained or experienced in the installation of grooved pipe connection systems. Never work on pipes under pressure and/or filled with water!
Use the necessary protective equipment to avoid personal injuries (helmet, safety shoes, safety glasses, gloves).



Installation guide:



Caution:

Proper torquing of bolts is required to obtain specified performance. Overtorquing the bolts may result in damage to the bolt and/or casting which could result in pipe joint separation.
Undertorquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result

1. Pipe preparation

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

2. Lubricate gaskets

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

3. Gasket installation

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

4. Alignment

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

5. Housing installation

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

6. Tighten nuts

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