



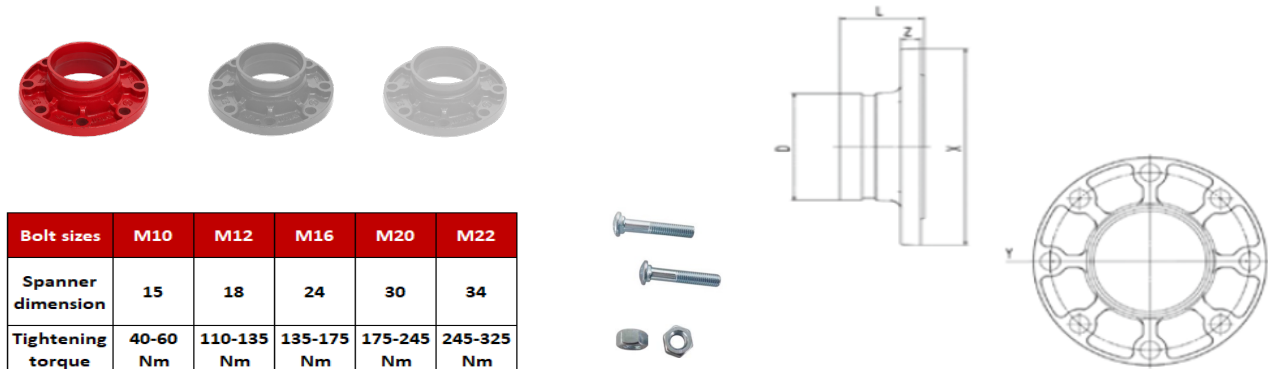
Version 2. 01.01.2026

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

Adaptor flanges offer a quick, secure way to connect grooved-end steel pipes to flanged equipment or valves—without welding. The adaptor system uses a grooved connection on one side and a standard flange on the other, providing easy assembly and disassembly. These fittings are ideal for fire protection, HVAC (heating, ventilation, and air conditioning), and industrial piping applications where flexibility, vibration absorption, and maintenance access are important.

Product	Nominal Size (mm/in)	Normal Size (inch)	Pipe outside diameter (mm)	Product number	Working Pressure (PSI)	Working Pressure (bar)	L (mm)	X (mm)	Y (mm)	Z (mm)	Bolt/Nut (mm)	Weight (kg/pc)	Carton quantity (pc)
 	50	2	60.3	FLAD-2-X	232	16	67	164	125	17	4-M16	1,59	12
	65	2,5	76.1	FLAD-21/2-X	232	16	65	184	145	16	4-M16	1,96	10
	80	3	88.9	FLAD-3-X	232	16	65	200	160	17	8-M16	2,35	8
	100	4	114.3	FLAD-4-X	232	16	70	219	180	17	8-M16	2,89	6
	125	5	139.7	FLAD-5-X	232	16	70	250	210	18	8-M16	3,64	3
	150	6	168.3	FLAD-6-X	232	16	70	285	240	18	8-M20	4,81	2
	200	8	219.1	FLAD-8-X	232	16	80	341	295	19	12-M20	7,29	1
	250	10	273	FLAD-10-X	232	16	78	402	355	22	12-M24	10,46	4
	300	12	323.9	FLAD-12-X	232	16	90	450	410	25	12-M24	11,53	3

X: Painted = P (PTD), Hot dip galvanized = G (GLV), Dacromet = D (DACR) // Example: FLAD-6-P = painted version



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

Material specification:

Housing: Ductile iron (ASTM A536 GRADE: 64-45-12)
Gaskets: EPDM / NBR / Silicone
Bolts, nuts: Electro zinc plated steel in a silver-chromate colour, Grade 8.8, ISO 898-1

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).



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 in

Storage:

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