

Working Pressure:
2000 psi (137.9 bar)
for all sizes¹.

Applications:

Ideal for ultra-high-pressure RO systems, HPB Energy Recovery turbochargers, high pressure sides of ERD (Energy Recovery Devices), ZLD (Zero liquid discharge) systems.

Housing - Duplex or Superduplex stainless steel type CE8MN (UNS # J93345) conform to ASTM A995, Grade 2A requirements. Piedmont also offers this coupling in superduplex type CE3MN (UNS # J93404) conform to ASTM A995, Grade 5A requirements for higher resistance to corrosion.

Other alloys are also available; contact Piedmont for details.

Gaskets - EPDM rubber, suitable for hot and cold water services. Two shapes of gaskets are available: C-shaped or Flush-fit. NSF/ANSI 61 approved or equivalent (FDA) for drinking water system components. Not suitable for petroleum service.

Other materials are also available, contact Piedmont for details.

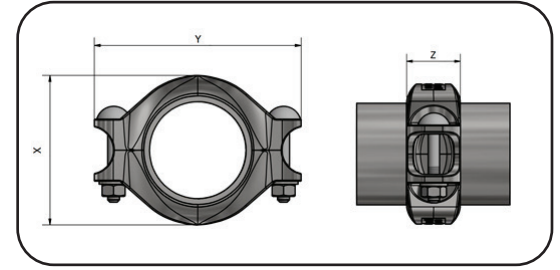
Hardware (Bolts / Nuts / Washers) -

Hardware components are iso metric thread type:

- Bolts are round-head oval neck track bolts (own design)
- Nuts are according to DIN-934 (ISO-4032).
- Washers are according to DIN-125-1 (ISO 7089).

NOTE

- For the use of Style H couplings on cyclic axial displacement systems, please consult with Piedmont for design and installation guidance.
- Hexagonal head bolts (DIN-931/ ISO-4014), instead of oval neck bolts, may be used upon Piedmont approval.
- Silicon bronze nuts, when coupled to SS bolts, avoid the use of any additional antigalling paste.



Style H Specifications							
Nominal size	Pipe OD	Dimensions			Approx. weight	Working pressure*	Bolt/Nut
		X	Y	Z			
Inches/ DN (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	lbs. (kg)	PSI (bar)	Qty. - Size (mm)
1" DN25	1.315 (33.40)	2.40 (60.9)	3.80 (96.7)	1.68 (42.7)	0.97 (0.44)	2000 (137.9)	2 - M12 x 65
1-1/2" DN40	1.900 (48.26)	2.94 (74.6)	4.3 (109.2)	1.71 (43.4)	1.21 (0.55)	2000 (137.9)	2 - M12 x 65
2" DN50	2.375 (60.33)	3.50 (88.9)	4.02 (127.5)	1.78 (45.2)	1.92 (0.87)	2000 (137.9)	2 - M16 x 65
2-1/2" DN65	2.875 (73.03)	4.04 (102.6)	5.8 (147.2)	1.85 (47.0)	2.40 (1.09)	2000 (137.9)	2 - M16 x 65
3" DN80	3.500 (88.90)	4.84 (123.1)	6.7 (170.2)	1.85 (47.0)	2.64 (1.20)	2000 (137.9)	2 - M20 x 85
4" DN100	4.500 (114.30)	6.00 (152.4)	7.8 (198.5)	2.02 (51.3)	4.54 (2.06)	2000 (137.9)	2 - M20 x 85

Hardware material (specify material choice):

- SS Duplex 2205 / S32205 as per ASTM A1082 (PREN>35)
- SS Super duplex 2507 / S32750 as per ASTM A1082 (PREN>40)
- 316 Stainless Steel as per ASTM A276 (PREN>23)
- Optional: silicon bronze nuts (heavy hex type 651).

