

Coatings:

EXPANSION JOINTS

ROBAR 8088 / 8806 / 8908 / 8906 - Fabricated Steel Expansion Joint

ROBAR 8808 Expansion Joints are used in Steel pipelines where large longitudinal pipe movements are concentrated. Use for piping water, gas, oil and various chemicals.

MATERIAL SPECIFICATIONS:

Flanges & Slip Stainless Steel or Chrome Plated Mild Steel Slip Pipes are

Pipe: recommended for most permanent applications.

Packing: Standard packing SBR Rubber / Jute, special packings

are available.

End Preparation: Plain end – Bevelled for welding.

Flanged end – C207 Class D – ANSI 150 lb. drilling, other flanges

available. Grooved end also available.

Gaskets: NBR (Buna-N) Rubber.

Fasteners and 8808 – Two Coats of Enamel with 5/8" electro-galvanized Bolts

8806 - Two Coats of Enamel with 5/8" T-316 SS Bolts

8908 - Corrosion Protective Epoxy with 5/8" electro-galvanized Bolts

8906 - Corrosion Protective Epoxy with 5/8" T-316 SS Bolts

ROBAR 1900RSCHH – HDPE Restrained Coupling

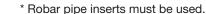
The Robar 1900RSCHH universal wide-range restrained mechanical couplings allow for plain end connections between HDPE plain ended pipes of the same or different outside diameters.

MATERIAL SPECIFICATIONS:

- Used for *HDPE connections
- 1.25" working range on pipe OD
- Installation requires only a torque wrench
- Wide working range makes the 1900RSCHH easy to install even on out-of-round pipes
- Dynamically restrain axial movement of pipes by incorporating "Connext Gripping" technology
- Allow angular deflection before and after installation
- Can be customised to join & restrain †ductile & PVC to HDPE
- Tie rods are ASTM A193 Gr B7, meeting the requirements of AWWA M-11 for load ratings (stainless available on request)
- Restrained Coupling Adapter meets or exceeds the applicable requirements of:

AWWA C219 ASTMD2000





[†] Contact your Sales Rep for details.



M-11 HARNESS

ROBAR M-11 Harness – for Steel Pipe

Joint Harness specified per AWWA M-11 are designed to restrain flexible couplings on steel pipelines. The harnesses will be supplied bare steel to allow for field welding into place. Sizes available 6"-96". Larger sizes available on request.

MATERIAL SPECIFICATIONS:

Restraint Rings: Carbon Steel per ASTM A193 grade B7.

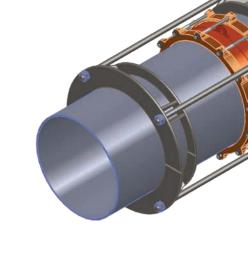
Tie Rods: ASTM A193 grade B7.

Stainless steel available on request.
Twice as many rods required.

Coating: Bare, shop blasted.

Pressure: Design pressures from 50 PSI - 250 PSI.

Detailed in the AWWA M-11 manual.





SURREY

A fully integrated foundry and manufacturing facility. Designing, Engineering and Manufacturing.

ROBAR INDUSTRIES LTD.

SAINT-BRUNO-DE-MONTARVILLE

12945 – 78th Avenue 1475 rue Marie-Victorin Surrey, BC V3W 2X8 St-Bruno-De-Montarville

St-Bruno-De-Montarville, QC J3V 6B7

Telephone 604.591.8811 Téléphone 450.441.7525
Toll Free 1.800.663.6553 Sans Frais 1.800.315.9525
Fax 604.591.5288 Télécopieur 450.441.4894

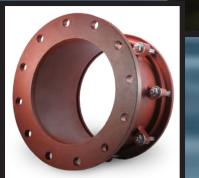
www.robarindustries.com waterworks@robarindustries.com

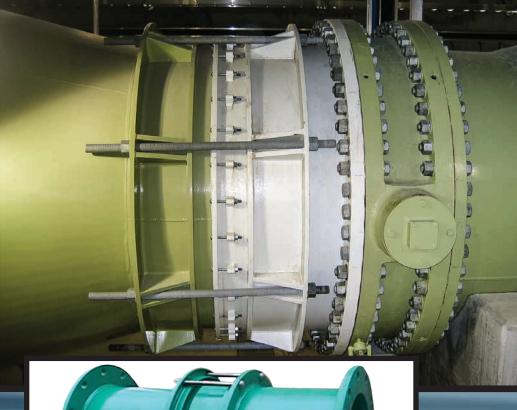


FABRICATION DIVISION













FABRICATED COUPLINGS

ROBAR Series 1800 / 1900 - Fabricated Steel Coupling

Fabricated 1800 / 1900 Non-Restrained Couplings are used to flexibly couple larger diameter pipe. Coupling is available in Epoxy or Shop-Coat configurations with choice of Stainless Steel or HSLA Steel Fasteners. The 1800 / 1900 couples a wide range of pipe together including: Steel, Ductile, PVC, HDPE, AC and CPP.

MATERIAL SPECIFICATIONS:

Center Sleeve: Carbon Steel. End Rings: Carbon Steel.

NBR (Buna-N) Rubber. Gaskets:

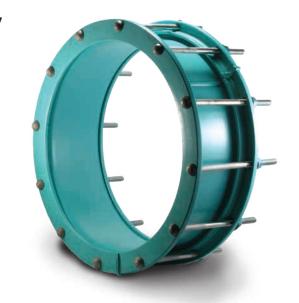
Other compounds available.

Fasteners and 1808 - Two Coats of Enamel with 5/8" HSLA Bolts Coatings: 1806 - Two Coats of Enamel with 5/8" T-304 SS Bolts

1908 - Corrosion Protective Epoxy with 5/8" HSLA Bolts

1906 - Corrosion Protective Epoxy with 5/8" T-304 SS Bolts

(Epoxy can be liquid C-210 or Fusion C-213)



FLANGED COUPLING ADAPTERS

ROBAR Series 7800 / 7900 - Fabricated Steel Flanged Coupling Adapter

Fabricated 7800 / 7900 Flange Couplings Adapters are used to flexibly adapt plain-end pipe to flange-end pipe. FCA is available in **Epoxy or Shop-Coat configurations with choice of Stainless Steel or HSLA Steel Fasteners.**

MATERIAL SPECIFICATIONS:

Carbon Steel Center Sleeve:

AWWA C207 Class D - ANSI 1021 150 lb. drilling. Flange:

Class E or F Flanges available.

End Rings: Carbon Steel.

Gaskets: NBR (Buna-N) Rubber.

Other compounds available.

7808 - Two Coats of Enamel with 5/8" HSLA Bolts

7806 - Two Coats of Enamel with 5/8" T-304 SS Bolts

7908 - Corrosion Protective Epoxy with 5/8" HSLA Bolts 7906 - Corrosion Protective Epoxy with 5/8" T-304 SS Bolts

(Epoxy can be liquid C-210 or Fusion C-213)





Tie Rods:

Gasket:

RESTRAINED COUPLINGS & FLANGE ADAPTERS

ROBAR Series 1800RSC / 1900RSC - Fabricated Steel Restrained Coupling

Fabricated 1800RSC / 1900RSC Restrained Couplings are used to ioin plain end pipe with a flexible restrained connection. Suitable for use on PVC and Ductile Iron pipe. Sizes 14"-48". For smaller sizes see the EBAA 3800 Series Restrained Coupling.

MATERIAL SPECIFICATIONS:

Centre Sleeve: Carbon Steel per ASTM A36.

Restraint Gland: EBAA 1100 Series for Ductile Iron connection &

EBAA 2000 Series for a C905 connection.

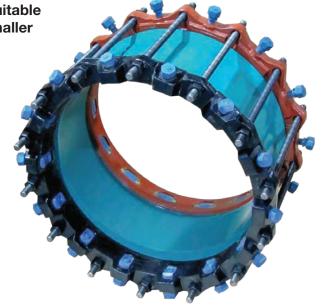
ASTM A536 Ductile Iron.

EBAA-Seal™ Mechanical Joint-SBR. Gaskets:

> 1908RSC - ASTM A193 Gr B7. 1906RSC - T-304 Stainless Steel material.

Barrel - Fusion Bonded Epoxy per AWWA C213. Coating:

End Gland - Mega Bond.



ROBAR Series 1840 / 1940 - Fabricated Steel Reducing Coupling

Fabricated 1840 / 1940 Non-Restrained Steel Reducing Couplings are used to flexibly couple two pipes of different nominal size.

MATERIAL SPECIFICATIONS:

Center Sleeve: Carbon Steel. End Rings: Carbon Steel.

Gaskets: NBR (Buna-N) Rubber. Other compounds available.

1848 - Two Coats of Enamel with 5/8" HSLA Bolts Fasteners and

Coatings: 1846 - Two Coats of Enamel with 5/8" T-304 SS Bolts 1948 - Corrosion Protective Epoxy with 5/8" HSLA Bolts

1946 - Corrosion Protective Epoxy with 5/8" T-304 SS Bolts

(Epoxy can be liquid C-210 or Fusion C-213)



ROBAR Series 7800DJ / 7900DJ - Fabricated Steel Dismantling Joint

Robar Dismantling Joints are a three section flanged coupling that allow for longitudinal adjustments needed for future modifications and adjustments. Once bolted in place, this fitting can be adjusted to the necessary lay length of the space required. The Dismantling Joint then provides and easier way to do maintenance or repairs on a flanged pipe system.

MATERIAL SPECIFICATIONS:

Flange Spool: AWWA C207 Class D - ANSI 1021 150 lb. drilling.

Class E or F Flanges available.

End Ring & Body: 4"-12" Cast Ductile Iron, 14" and larger Carbon Steel ASTM A36.

4"-12" available in Carbon Steel as well.

Gaskets: NBR Rubber. Other compounds available.

Tie Rods: ASTM A193 Gr B7 per M11. Stainless steel is available. Fasteners and 7808DJ - Two Coats of Enamel with 5/8" HSLA Bolts Coatings:

7908DJ - Corrosion Protective Epoxy with 5/8" HSLA Bolts

7806DJ - Two Coats of Enamel with 5/8" T-304 SS Bolts

7906DJ - Corrosion Protective Epoxy with 5/8" T-304 SS Bolts

(Epoxy can be liquid C-210 or Fusion C-213)



ROBAR 7906RFCA - Fabricated Restrained Flange Adapter

The Robar 7908RFCA/7906RFCA Restrained Flange Coupling Adapter allows for a fully restrained flexible joint to adapt from a flange to Ductile Iron pipe or C905 PVC pipe for 14" thru 48".

MATERIAL SPECIFICATIONS:

Centre Sleeve: Carbon Steel per ASTM A36.

AWWA C-207 class D - ANSI 1021 150 lb. drilling. Flange: Restraint Gland: EBAA 1100 Series for Ductile Iron connection.

EBAA 2000PV Series for C905 PVC connection. ASTM A536 Ductile Iron Construction.

EBAA-Seal TM Mechanical Joint - SBR.

7908RFCA - ASTM A193 Gr B7 Tie Rod. Tie Rods:

7906RFCA - T-304 Stainless Steel material. T-316 SS available.

Sleeve and flange - Fusion Bonded Epoxy per AWWA C-213. Coating:

End Gland - Mega Bond epoxy.



150 PSI working pressure.
Contact Robar for higher working pressures.