



A.W.W.A MANUAL M11 HARNESS RESTRAINT

RESTRAINT SYSTEMS

MATERIAL SPECIFICATIONS

RESTRAINT RINGS: This weldment is manufactured from ASTM A36 Steel with a minimum yield stress of 36,000 psi. Two of these are required, one on each side of the coupling.

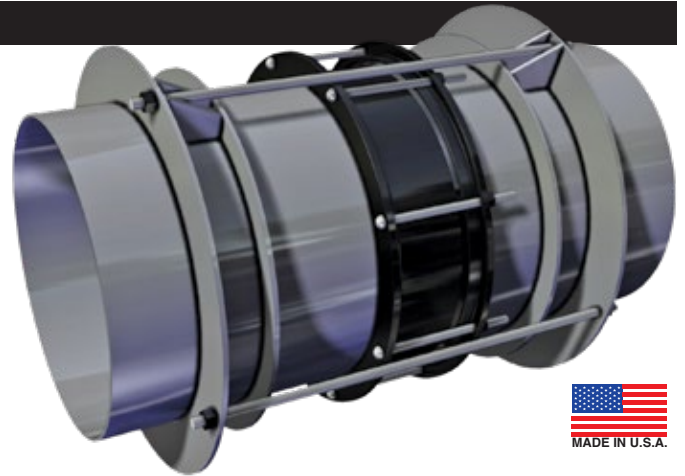
TIE RODS: High tensile alloy steel per ASTM A193 grade B7. Type 304 or 316 stainless steel is optional and requires up to twice as many rods.

COATING: Bare, unless otherwise specified.

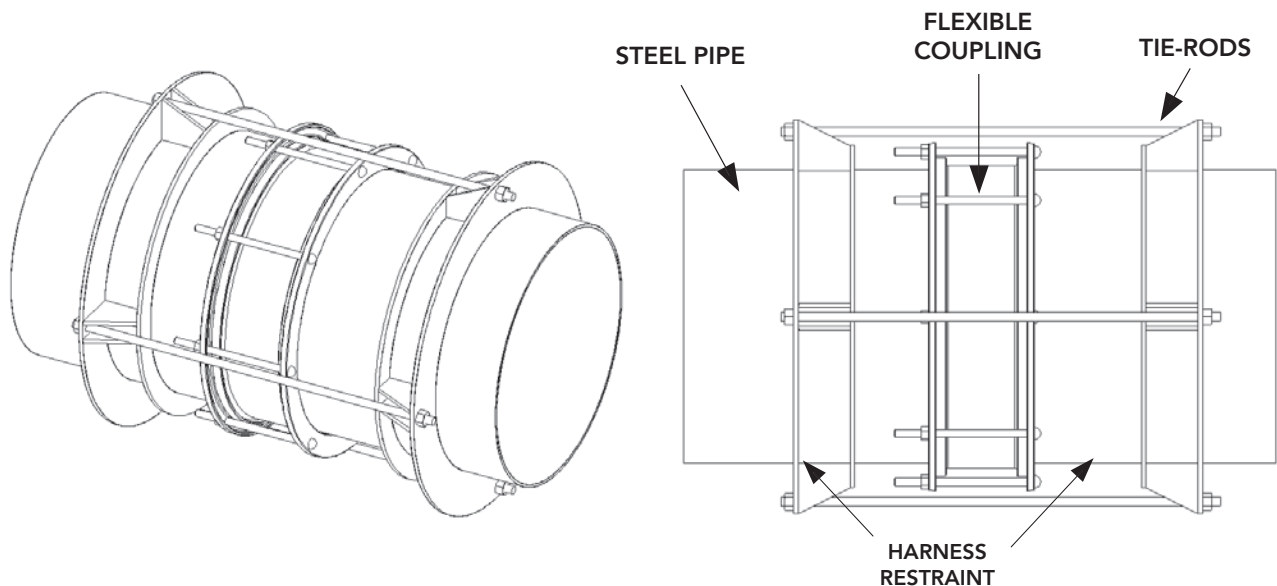
PRESSURE: The standard design pressures of 50, 100, 150, 200, 250 & 300 psi are specified in the AWWA M11 manual. These pressures specify the tie rod quantities and diameter. Other pressures can be accommodated.

RING TOLERANCE: The Harness weldment inner diameter (ID) is manufactured with a 3/16 inch (on diameter) clearance between the specified pipe O.D. up through 24 inch and 1/4 inch larger than 24 inch.

SIZES: 6"-144" for steel pipe. Larger sizes available on request.



ROMAC MANUFACTURES JOINT HARNESSES AS SPECIFIED PER AWWA M11 DESIGNED TO RESTRAIN FLEXIBLE COUPLINGS (STYLE 501 AND STYLE 400) ON STEEL PIPE-LINES. THESE HARNESS ASSEMBLIES ARE FIELD WELDED IN PLACE.



Contact your Romac representative for more information.

ALL PRICES: Priced On Application.