

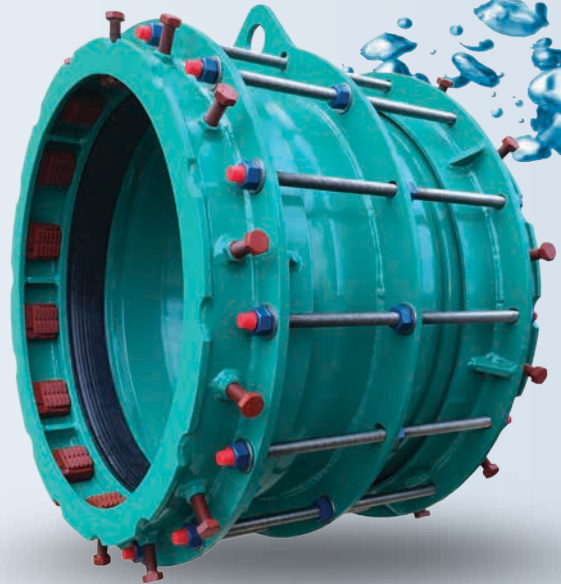


**1900RSCHH**

# 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.

- Used for HDPE connections
- Pipe OD is nominal +9/16 to -0
- Installation requires only a torque wrench
- Working range makes the 1900RSCHH easy to install even on out-of-round pipes
- Dynamically restrains axial movement of pipes
- Allows for angular deflection before and after installation
- Can be customized to join & restrain Ductile and PVC to HDPE
- 1900RSCHH is NSF61 epoxy coated
- Gaskets are NSF61 approved
- Tie rods are ASTM A193 Grade B7. Load rating exceeds the requirements of: AWWA M11



Pipe OD	Max Pressure	Total # of Grippers	Total # of Tie Rods	Angular Deflection
14.00	160	20	10	6.0
16.00	160	24	12	6.0
18.00	160	24	12	5.0
20.00	160	28	14	5.0
22.00	160	28	14	4.5
24.00	160	40	20	4.0
26.00	160	44	22	4.0
28.00	160	44	22	3.5
30.00	160	48	24	3.5
31.59	160	56	28	3.0
32.00	128	56	28	3.0
36.00	110	64	32	3.0
39.47	100	72	36	2.5
40.00	100	72	36	2.5
42.00	100	80	40	2.5
44.50	100	84	42	2.0
45.25	100	88	44	2.0
47.38	100	88	44	2.0
48.00	100	96	48	2.0
54.00	100	108	54	1.5
63.00	80	120	60	1.0

\* number of tie rods for both couplings and RFCAs

Maximum pressure be that test, design, or surge

Higher pressures can be achieved by doubling gripper count.  
Contact Robar for more details.

Pipe wall thickness cannot be less than 1-1/4"

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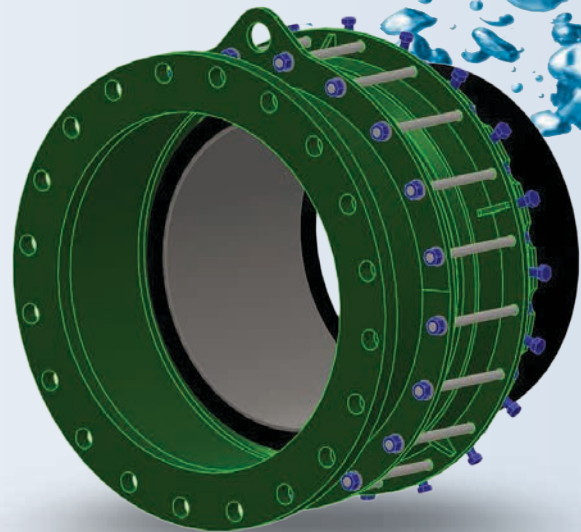


**7900RFCAH**

# HDPE-Restrained Flange Coupling Adapter

The **Robar 7900RFCAH** universal wide-range restrained mechanical flange coupling adapters allow for plain end HDPE pipe to flange fitting connections.

- Used for HDPE connections
- Pipe OD is nominal +9/16 to -0
- Installation requires only a torque wrench
- Working range makes the 7900RSCH easy to install even on out-of-round pipes
- Dynamically restrains axial movement of pipes.
- Allows for angular deflection before and after installation
- Can be customized to join & restrain Ductile and PVC to HDPE
- 7900RSCHH is NSF61 epoxy coated
- Gaskets are NSF61 approved
- Tie rods are ASTM A193 Grade B7. Load rating exceeds the requirements of: AWWA M11



Pipe OD	Max Pressure	Total # of Grippers	Total # of Tie Rods	Angular Deflection
14.00	160	10	10	3.0
16.00	160	12	12	3.0
18.00	160	12	12	2.5
20.00	160	14	14	2.5
22.00	160	14	14	2.3
24.00	160	20	20	2.0
26.00	160	22	22	2.0
28.00	160	22	22	1.8
30.00	160	24	24	1.8
31.59	160	28	28	1.5
32.00	128	28	28	1.5
36.00	110	32	32	1.5
39.47	100	36	36	1.3
40.00	100	36	36	1.3
42.00	100	40	40	1.3
44.50	100	42	42	1.0
45.25	100	44	44	1.0
47.38	100	44	44	1.0
48.00	100	48	48	1.0
54.00	100	54	54	0.8
63.00	80	60	60	0.5