

SYNOFLEX Coupling

Widest Range Restraint Model 741-02
Socket x Socket Reducer



Pipeline Repair - System Expansion - Valve Maintenance

The **Synoflex** is an "all-in-one" socket coupling used to join and restrain various pipe materials, such as PE, HDPE, Ductile, Steel, and PVC pipes. Between its **restraining** and **wide-range** capabilities, the Synoflex will **reduce installation time and cost** compared to a standard coupling.



Certified to
NSF/ANSI 61

Epoxy Coating
Certified to NSF /
ANSI 61

Bolt Head Locking Device



Features:

- Fully restraint coupling with the widest range
- Restraint coupling for use with PE, Ductile, Steel, and PVC pipes
- Seal to AC pipe
- Joins pipes of differing OD and compositions
- No need to change gasket or grip rings
- Size 1.5" through 16", reducing couplings available on request
- Bolt head locking device for one hand tightening
- Pressure rated to 250 PSI / 17.2 bar
- Completely reusable and above ground capabilities
- 10-year factory warranty

- **Durability**
- **Ease to Install**
- **10-year Warranty**
- **Adaptable**
- **Reliable**
- **Cost-Saving**

Product details:

- Patented restraint system with flexible SYNOFLEX ring
- Stainless steel restraint elements
- Deflection of 8 degrees (+/- 4 degrees on each socket)
- Bolts of 316 stainless steel permanently lubricated, reversible 180°
- Body made of ductile with fluidized bed epoxy powder coating
- Uses potable and waste water
- Connections with PE pipes (PE > SDR 17), a support liner is required. Support liner needed for all PE pipe sizes 18"-24".

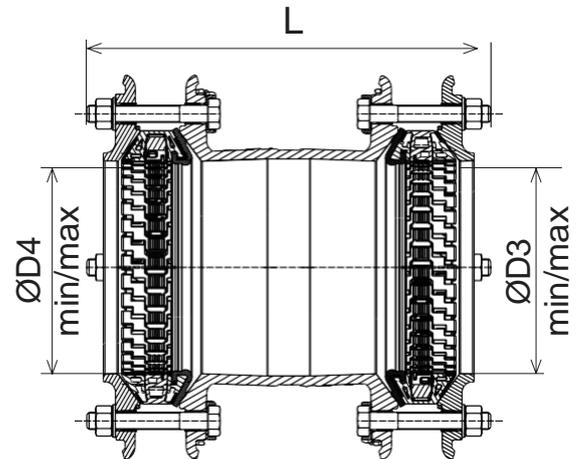
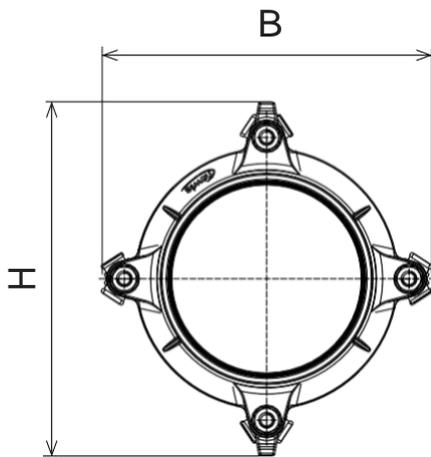


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Widest Range Restraint
Model 741



Example of use



Socket 1 Inch	Socket 2 Inch	MOP (PSI)	B	H	Ø Pipe D3 min/max	B2	H2	Ø Pipe D4 min/max	L	Weight
3	2.5	250	6.73	8.03	3.35 - 4.13	6.14	7.36	2.80 - 3.46	10.8	13.67
4	3	250	8.90	10.24	4.09 - 5.20	6.73	8.03	3.35 - 4.13	12.3	20.94
5	4	250	9.84	11.42	5.16 - 6.30	8.90	10.24	4.09 - 5.20	14.0	30.20
6	4	250	12.40	13.78	6.10 - 7.56	8.90	10.24	4.09 - 5.20	14.2	35.71
6	5	250	12.40	13.78	6.10 - 7.56	9.84	11.42	5.16 - 6.30	14.8	38.36
8	6	250	12.83	14.61	7.80 - 9.06	12.40	13.78	6.10 - 7.56	17.0	65.04
9	8	250	14.21	16.14	9.06 - 10.24	12.83	14.61	7.80 - 9.06	17.7	85.54
10	8	250	16.06	18.27	10.43 - 12.20	12.83	14.61	7.80 - 9.06	18.4	93.48
10	9	250	16.06	18.27	10.43 - 12.20	14.21	16.14	9.06 - 10.24	17.9	110.67
12	10	250	20.08	20.08	12.32 - 14.02	16.06	18.27	10.43 - 12.20	18.6	135.36
14	12	250	21.65	21.65	13.86 - 15.59	20.08	20.08	12.32 - 14.02	19.4	157.19
16	14	250	23.46	23.46	15.67 - 17.40	21.65	21.65	13.86 - 15.59	20.7	187.39