

SYNOFLEX Coupling

Widest Range Restraint Model 740
Flange x Socket



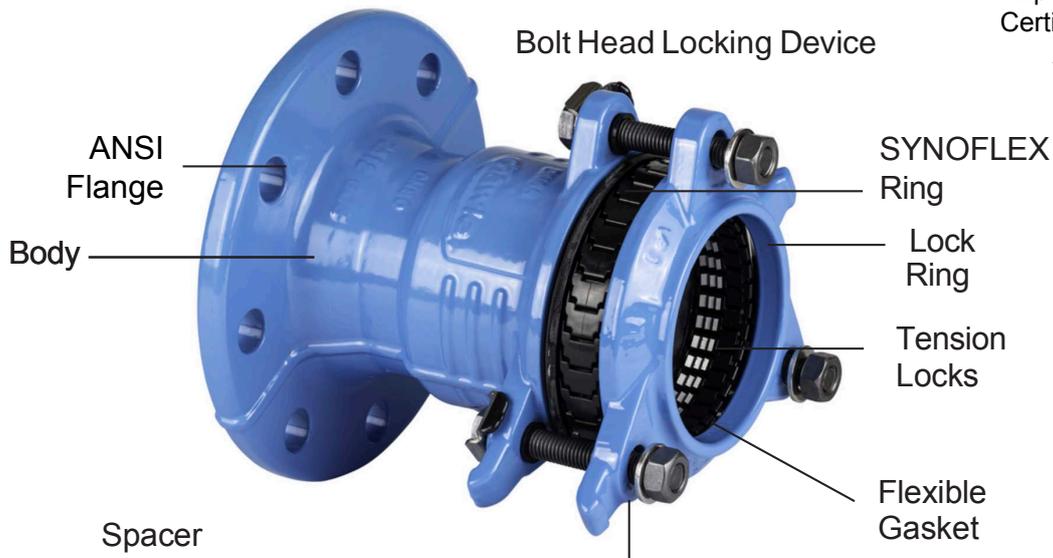
Pipeline Repair - System Expansion - Valve Maintenance

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



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
- 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 ($PE \geq SDR 17$), a support liner is required. Support liner needed for all PE pipe sizes 18"-24".

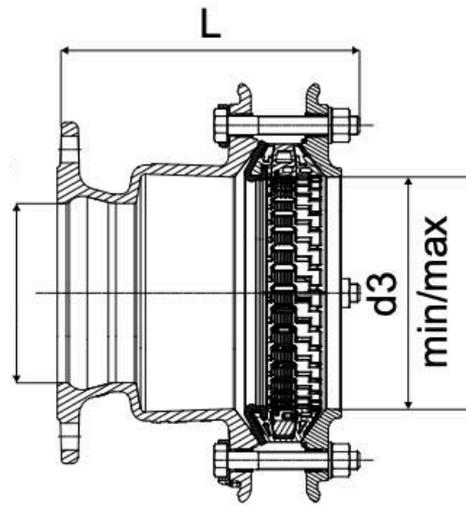
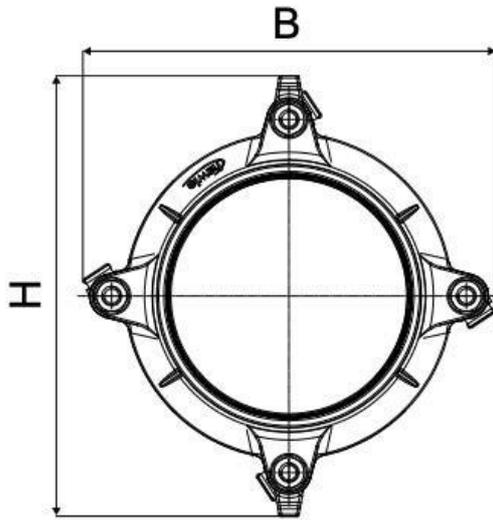
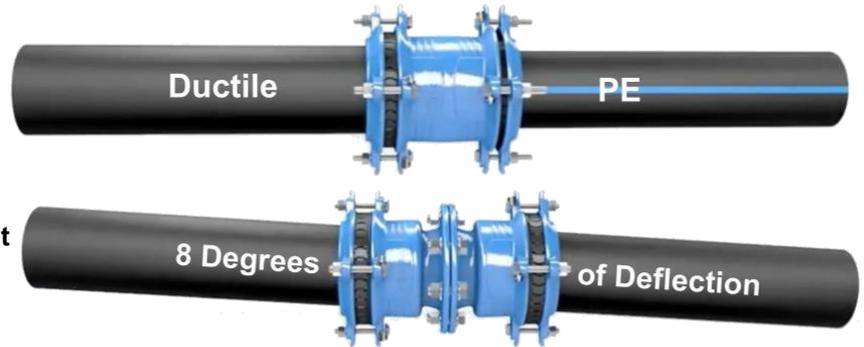


SYNOFLEX Coupling

Widest Range Restraint
Model 741



Example of use



Flange Inch	Socket Inch	MOP (PSI)	B Inches	H Inches	Ø Pipe D3 min/max	Bolts	L Inches	Weight lbs
2	2	250	5.55	6.69	2.20 - 2.80	3 x M 12-80	8.03	11.24
2.5	2.5	250	6.14	7.36	2.80 - 3.46	3 x M 12-80	8.03	13.45
3	3	250	6.73	8.03	3.35 - 4.13	3 x M 12-80	7.64	15.65
4	4	250	8.90	10.24	4.09 - 5.20	3 x M 16-100	8.86	23.81
5	5	250	9.84	11.42	5.16 - 6.30	3 x M 16-110	9.57	29.10
6	6	250	12.40	13.78	6.10 - 7.56	4 x M 16-110	9.88	36.82
8	8	250	12.83	14.61	7.80 - 9.06	6 x M 16-120	10.91	54.67
10	10	250	16.06	18.27	10.43 - 12.20	6 x M 20-130	12.80	88.18
12	12	250	20.08	20.08	12.32 - 14.02	8 x M 20-130	13.54	116.84
14	14	250	21.65	21.65	13.86 - 15.59	12 x M 20-130	13.82	148.15
16	16	250	23.46	23.46	15.67 - 17.40	12 x M 20-130	14.41	171.52
18	18	250	26.46	26.46	17.64 - 19.09	14 x M 20-130	15.75	291.67
20	20	250	27.76	27.76	19.61 - 21.06	14 x M 20-130	16.54	346.79
24	24	250	32.60	32.60	23.70 - 25.20	16 x M 20-130	16.93	408.52