



ENGINEERED FOR RELIABILITY

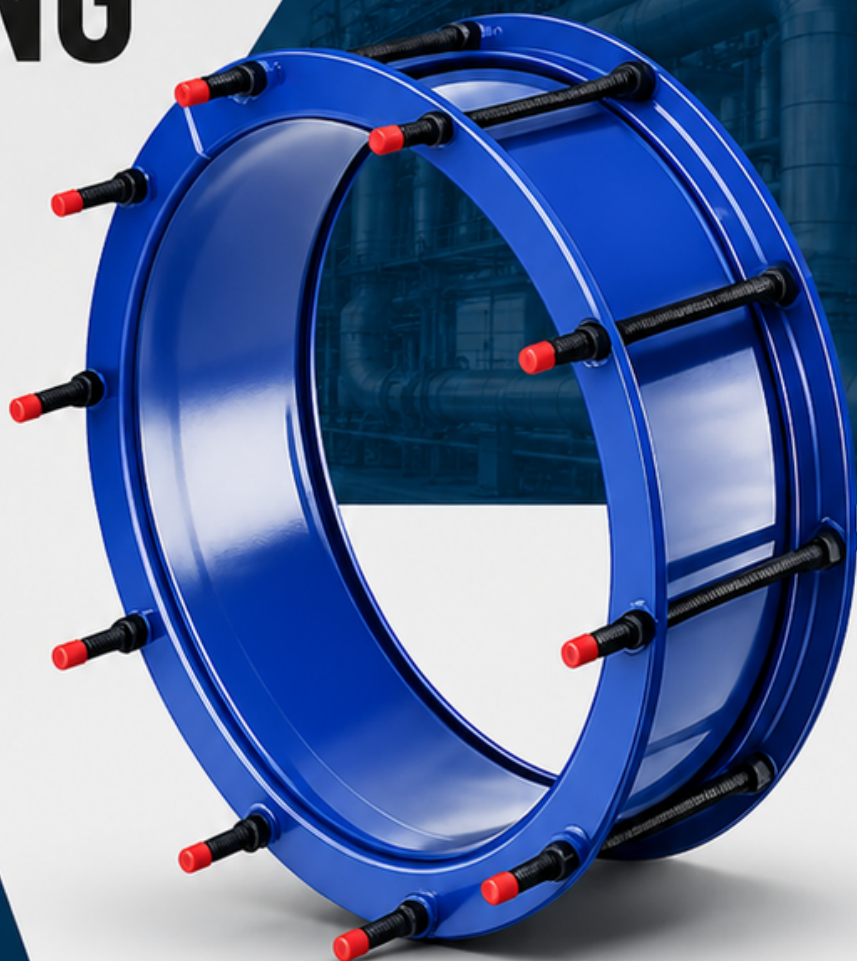
ISO 2531:2000
BS EN 545:2000



FLEXIBLE COUPLING

DATA SHEET

Flexible connection.
Stronger performance.



BUILT TO ABSORB.
**DESIGNED TO
CONNECT.
MADE TO LAST.**



FLEXIBLE
CONNECTION



ACCOMMODATES
PIPE MOVEMENT



LEAK-RESISTANT
SEALING



EASY
INSTALLATION



LONG SERVICE
LIFE

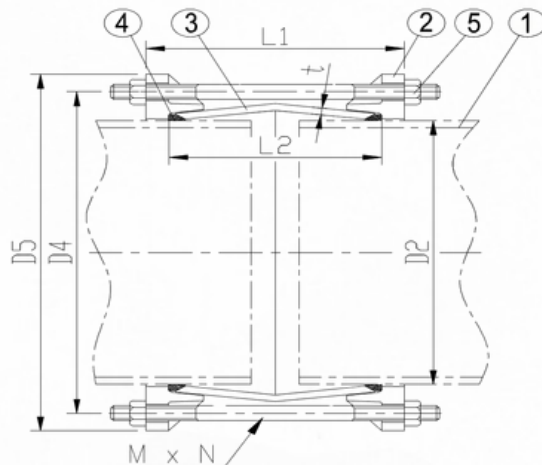
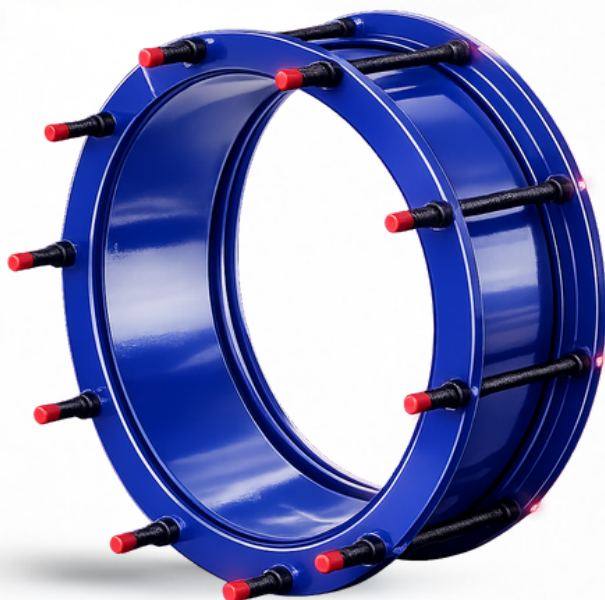
APPLICATIONS

Water, Wastewater &
General Pipeline Systems

BUILT TO CONNECT.
BUILT TO LAST.

FLEXIBLE COUPLING

TECHNICAL DETAILS & MATERIAL SPECIFICATION



No.	Component	Material / Coating	Applicable Standard
1	Pipe	-	-
2	End Gland Ring	Ductile Iron GGG50	BS 2789:1985, Grade 450-12
3	Middle Sleeve	Ductile Iron GGG50	BS 2789:1985, Grade 450-12
4	Sealing Ring	EPDM	BS 2494:1990, Type W
5	Bolts & Nuts	Electroplated Galvanized Zinc	BS 729:1971, ISO 1461

PRODUCT OVERVIEW

YTMPipe Flexible Coupling is designed to connect plain-end ductile iron pipes while accommodating limited axial movement, angular deflection and minor pipe misalignment.

Its EPDM sealing rings are compressed between the ductile iron middle sleeve and end gland rings, creating a secure and leak-resistant joint. The coupling provides installation flexibility without requiring welding or flanged pipe ends.

The epoxy-coated ductile iron construction provides corrosion protection and long-term performance in water distribution, wastewater, irrigation and general pipeline systems.



STANDARDS

ISO 2531:2000 | BS EN 545:2000

Flange drilled to BS 4504:1989 PN 16



DN80-DN1600



ACCOMMODATES
LIMITED PIPE MOVEMENT



ABSORBS ANGULAR
DEFLECTION



COMPENSATES MINOR
PIPE MISALIGNMENT



EPOXY COATED
DUCTILE IRON BODY

TECHNICAL BENEFITS

ACCOMMODATES PIPE MOVEMENT

Allows limited axial movement between connected pipe ends.

ABSORBS ANGULAR DEFLECTION

Provides limited angular flexibility where perfect pipe alignment is difficult to achieve.

COMPENSATES MINOR MISALIGNMENT

Helps accommodate small installation and field-alignment variations.

LEAK RESISTANT EPDM SEALING

The EPDM sealing rings are compressed around the pipe circumference to create a leak-resistant joint.

CORROSION PROTECTED BODY

The ductile iron components are protected by a minimum 250-300 µm epoxy coating.

APPLICATIONS

- Water Distribution Networks
- Wastewater Networks
- Irrigation Lines
- General Pipeline Systems

TECHNICAL SPECIFICATIONS

— Dimensions in mm								
DN	D2	D4	D5	L1	L2	t	M	N
80	98	169	198	178	102	7.0	12	4
100	118	189	218	178	102	7.5	12	4
125	144	215	244	178	102	7.5	12	4
150	170	241	270	178	102	8.0	12	4
200	222	293	322	178	102	8.5	12	6
250	274	345	374	178	102	9.0	12	6
300	326	397	426	178	102	10.0	12	8
350	378	458	491	262	152	10.5	16	8
400	429	509	542	262	152	11.0	16	8
450	480	556	589	262	152	11.5	16	10
500	532	608	641	262	152	12.0	16	10
600	635	711	744	262	152	13.5	16	12
700	738	814	847	262	152	14.5	16	12
800	842	918	951	262	152	16.0	16	12
900	945	1031	1064	278	178	17.0	16	14
1000	1048	1134	1167	278	178	18.0	16	14
1100	1152	1245	1278	290	178	19.5	16	16
1200	1255	1348	1381	290	178	20.5	16	18
1400	1462	1555	1588	290	178	23.0	16	20
1500	1565	1658	1691	290	178	24.0	16	20
1600	1668	1761	1794	290	178	25.5	16	24

Note: All dimensions are subject to manufacturing tolerances. For critical applications, please contact YTMPipe for confirmation.



**ENGINEERED FOR SECURE
PIPE-TO-FLANGE CONNECTIONS**

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