ytmpipe

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

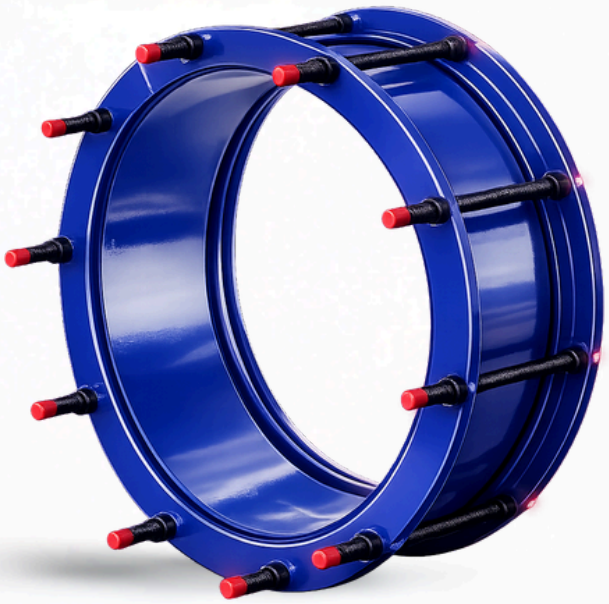
APPLICATIONS

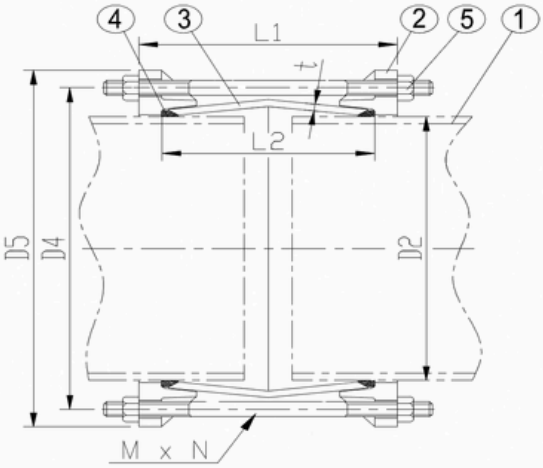
Water, Wastewater &
General Pipeline Systems

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 MOVMENT
- ABSORBS ANGULAR DEFLECTION
- COMPENSATES MINOR PIPE MISALIGNMENT
- EPOXY COATED DUCTILE IRON BODY

TECHNICAL BENEFITS

ACCOMMODATES PIPE MOVMENT

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

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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.

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PIPE-TO-FLANGE CONNECTIONS

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