

HDXT Series



Application

A completely non corroding, non-metallic casing spacer for Pipe-in-Pipe (PIP) applications such as slip lining and cased crossings for all heavy weight pipe materials including steel, ductile, MSCL, GRE, PVC, HDPE. Suitable for all diameters from 300mm (11.81") OD and beyond by addition of multiple segments.

Construction & Features

- Made from Kwik-ZIP's engineered thermoplastic blend with high flexural strength, high temperature resistance, low co-efficient of friction, abrasion resistance and outstanding chemical resistance.
- Integrated rubber grip pads under collars to prevent slippage. No requirement to pre-wrap pipe.
- Load sharing suspension system allowing heavy loads to be shared across multiple runners reducing point loading and increasing the overall load capacity of the spacer.
- Minimizes spacer weight bearing capacity and reduces point loading via a unique load sharing runner system.
- Ability to combine different runner heights in the same spacer ring to assist in borehole grade correction.
- Larger diameters are accommodated by joining additional segments.

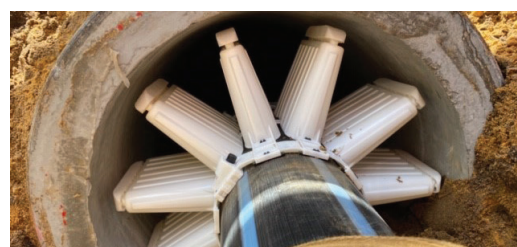


Models

Model	Runner Height	Part #	Operating Temp (Deg C / F)	Recommended for use on Pipe Diameter	Units per carton	Carton Dimensions (L x W x H)	Gross Carton Weight
HDXT 43	43mm / 1.69"	00002	- 20 C to 80 C - 4 F to 176 F in certain applications (HDXT Hi Load Inserts should be used for service temperatures above 50 C / 122 F)	300mm (11.81") OD & greater	20	640mm x 360mm x 330mm 25.20" x 14.17" x 12.99"	20.2 Kg / 44.5 lbs
HDXT 58W	58mm / 2.30"	00014			20	640mm x 350mm x 510mm 25.20" x 14.20" x 13.00"	24.55 Kg / 54.1 lbs
HDXT 78W	78mm / 3.07"	00020			20	640mm x 350mm x 540mm 25.20" x 14.20" x 21.26"	27.2 kg / 60lbs
HDXT 63	63mm / 2.48"	00004			20	640mm x 360mm x 375mm 25.20" x 14.17" x 14.76"	22.8 Kg / 50.2 lbs
HDXT 103	103mm / 4.05"	00006			20	640mm x 360mm x 445mm 25.20" x 14.17" x 17.52"	26.2 Kg / 57.8 lbs
HDXT 153	153mm / 6.02"	00008			20	640mm x 360mm x 570mm 25.20" x 14.17" x 22.44"	31.2 Kg / 68.8 lbs

Compliance

- Manufactured under a certified ISO 9001 Quality Management System.
- Compliant with AS/NZS 4020:2018 Products for use in contact with drinking water.
- Compliant with lead free requirements of Section 1417 of the US Safe Water Drinking Act.
- Compliant with WSAA Product Specification # 324 – Casing Spacer.



Size table

NPS (ASME)	*Carrier Pipe OD (mm)	*Carrier Pipe OD (Inches)	Recommended # Segments	Banding
	300.00	11.81	3	
12	323.85	12.75	3	
14	355.60	14.00	3	
	400.00	15.75	4	
16	406.40	16.00	4	
	426.00	16.77	4	
18	457.00	17.99	4	
	500.00	19.69	5	
20	508.00	20.00	5	
22	560.00	22.05	5	
24	610.00	24.02	6	
26	660.00	25.98	6	
28	711.20	28.00	7	
30	762.00	30.00	7	
	800.00	31.50	8	
	826.00	32.52	8	
	900.00	35.43	8	
36	914.00	35.98	8	
	1000.00	39.37	9	
42	1066.80	42.00	10	Yes
44	1117.60	44.00	10	Yes
48	1219.20	48.00	11	Yes
52	1320.80	52.00	12	Yes
	1400.00	55.12	13	Yes
	1564.00	61.57	14	Yes
	1600.00	62.99	15	Yes
	1668.00	65.67	16	Yes
	1800.00	70.87	17	Yes
	1900.00	74.80	18	Yes
	2000.00	78.74	19	Yes
	2200.00	86.61	20	Yes
	2500.00	98.43	23	Yes
	3000.00	118.11	27	Yes
Contact kwik-ZIP for carrier pipe diameters greater than 3000 mm (118.11") OD				

* For PE Pipe refer to the nearest Carrier Pipe OD.

Important: Please read HDXT Spacer Installation Guide before use.

For pipe greater than 1000mm OD, or if the pipe material is slippery, it is recommended that 12mm stainless steel worm drive banding be considered for application over the collars.

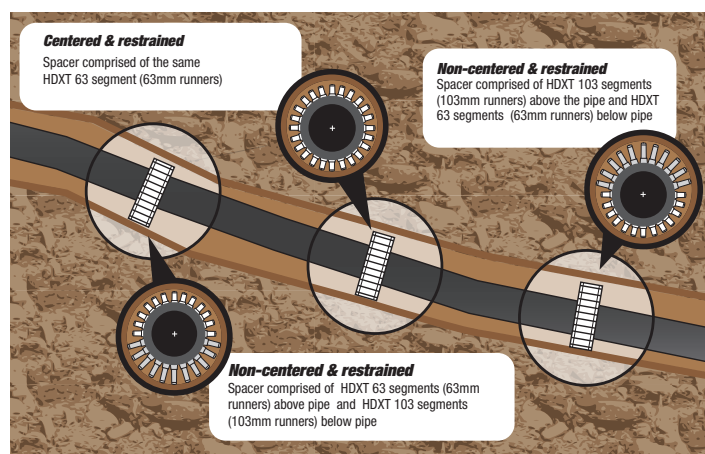
HDXT Spacers are generally suitable for heavy pipe run lengths up to 300m (approx. 1,000 ft) in good condition casings. Longer run lengths may be possible with casing lubrication, banding, and/or closer spacer intervals.

Contact kwik-ZIP for further advice.

Load sharing

Using a unique “load sharing runner” system, each HDXT segment maximises its weight bearing capacity by distributing the pipe load across multiple runners. This reduces point loading at any one location, boosting and optimising the overall support capacity of the spacer exponentially as pipe size increases. The “load sharing runner” system also delivers a suspension and dampening effect, reducing the transfer of potentially damaging vibration and movement from the outer casing to the carrier pipe. This may be beneficial in tectonically active regions or high traffic areas where ongoing external vibration affects the outer casing.

When used in accordance with the Installation Guide, HDXT Spacers will easily handle weights equivalent to a standard Ductile Iron Cement Lined (DIDL) pipe full of fluid.



Friction and Wear capabilities

HDXT Spacers are fitted with wear pads made from kwik-ZIP's engineered thermoplastic blend to achieve superior abrasion resistance and a low coefficient of friction, especially under high load conditions.

These properties allow for greater run lengths and lower insertion forces during carrier pipe installation.

For specific advice on load, friction or wear capacities please contact sales@kwikzip.com (Australasia) or usa@kwikzip.com (USA).