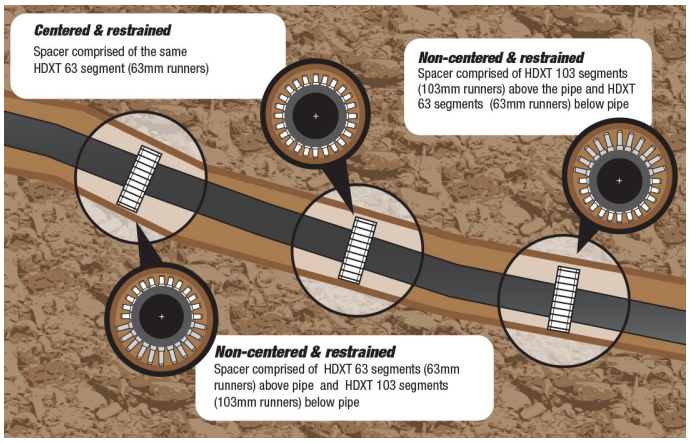
KWIK-ZIP HDX SERIES

APPLICATION

A non-corroding, non-metallic casing spacer for Pipe-in-Pipe (PIP) applications such as slip lining and cased crossings for all medium to heavy weight pipe materials including steel, DICL, MSCL, GRE, PVC and HDPE. Suitable for all diameters from 100mm to 1600mm OD and beyond by addition of multiple segments.



CONSTRUCTION & FEATURES

- Made from Kwik-ZIP's modified Acetal (POM) engineering 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 bore hole grade correction.
- Larger diameters are accommodated by joining additional segments.
- Requires only a flat blade screwdriver for installation.

Product #	Model	Runner Height	Operating Temp (Deg °C)	Recommended for use on Pipe Diameter	Units per carton	Carton Dimensions (L x W x H)	Gross Carton Weight
1420027	HDX 38	38mm	-20°C to 80°C **in certain applications (temperatures above 50°C may require closer intervals)**	100mm OD & greater	20	370mm x 360mm x 340mm	11 kg
1420033	HDX 65	65mm			20	370mm x 360mm x 360mm	13 kg
1420034	HDX 90	90mm			20	370mm x 360mm x 390mm	14.6 kg
1420035	HDX 125	125mm			20	370mm x 360mm x 420mm	17 kg

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 Spacers.
- Approved by MRWA and SEQ IPAM.

For more information, talk to us today

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SIZE TABLE

* Carrier Pipe OD (mm)	Recommended # Segments	Banding
102	2	
110	2	
125	2	
140	2	
160	3	
180	3	
200	3	
225	4	
250	4	
280	5	
315	5	
355	6	
400	7	
450	8	
500	9	
560	10	
610	11	
630	11	
667	12	
711	12	
762	13	
800	14	
826	14	Yes
900	15	Yes
1000	17	Yes
1067	18	Yes
1118	19	Yes
1219	21	Yes
1321	22	Yes
1400	23	Yes
1564	25	Yes
1600	26	Yes
1668	27	Yes

Please refer to the relevant product series installation guide for additional information

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

For pipe greater than 800mm OD, for very heavy weight pipe, or if the pipe material is slippery, it is recommended that 12mm stainless steel worm drive banding be applied over the collars.

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

For specific advice on load, friction or wear capacities, please contact Blick to support with design at sales@blick.group or visit www.blick.group.

LOAD SHARING

Using a unique “load sharing runner” system, each HDX 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, HDX Spacers will easily handle weights equivalent to a standard Ductile Iron Cement Lined (DICL) pipe full of fluid.

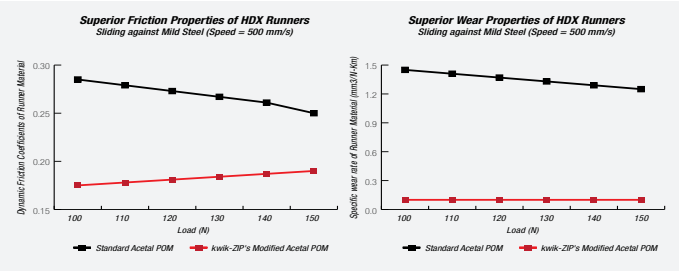
FRICTION AND WEAR CAPABILITIES

Acetal (POM) is well known as being one of the best materials for applications requiring excellent abrasion / wear resistance and a low coefficient of friction. It performs better than alternative materials such as Nylon and HDPE.

HDX Spacers are fitted with wear pads made from kwik-ZIP’s modified Acetal (POM) engineering thermoplastic blend to achieve even better abrasion resistance and a lower coefficient of friction, especially under high load conditions.

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

The graphs below compare the dynamic coefficient of friction, and the wear rate (against carbon steel) of the material used to make the HDX wear pads verses standard Acetal (POM).



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