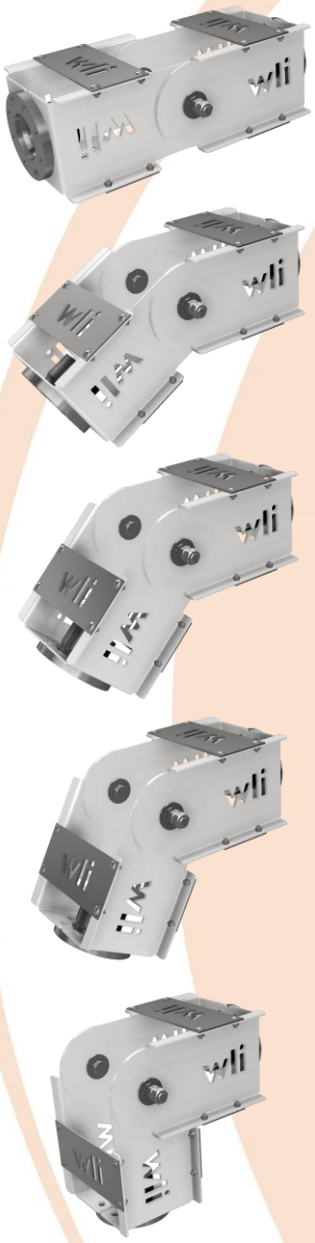
World Link Industry

PURE

Hybrid Roof Drain Swivel Joint

PURE is a heavy-duty hybrid roof drain swivel joint for engineered floating roof drainage systems.

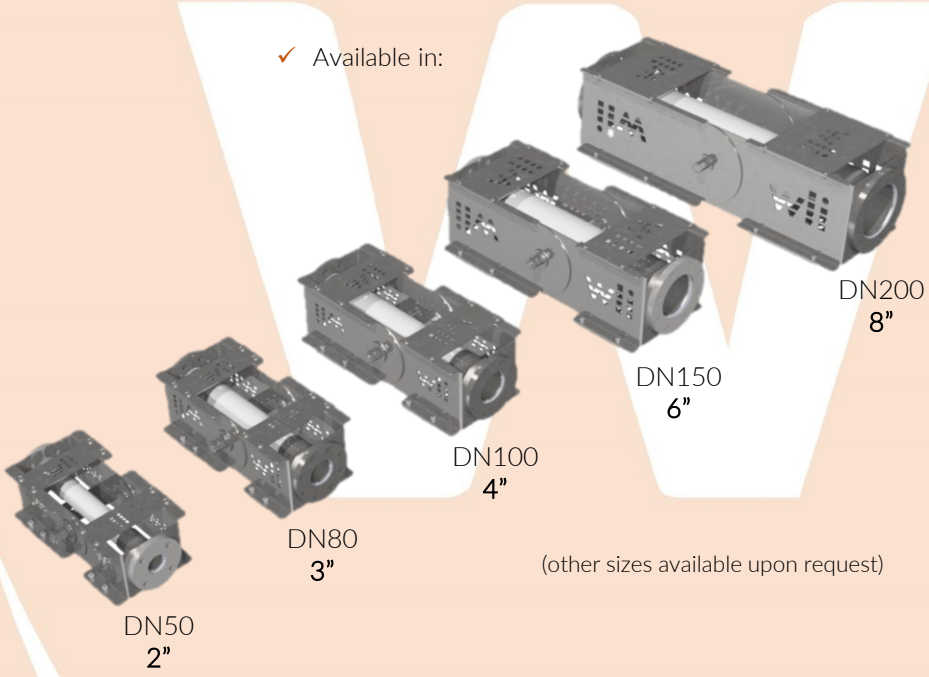
The ***PURE*** design combines the defined movement control of a rigid pipe system with the flexibility of an integrated hose section. The roof drain arrangement is engineered to support positive drainage throughout the specified floating roof travel range.



Key Performance Features

- ✓ Heavy-duty hybrid swivel joint design for floating roof drainage systems.
- ✓ Rigid joint geometry designed to accommodate high filling rates and product turbulence inside the storage tank.
- ✓ Integrated swivel rotation stop to limit excessive loads on the hose section.
- ✓ Roof drain system engineering designed to support positive drainage throughout the specified roof travel range.
- ✓ Each PURE swivel joint is pressure-tested at 2.5 bar external pressure prior to dispatch.
- ✓ No dynamic sealing components required.
- ✓ Connection to existing roof sump configurations subject to project-specific interface checks.
- ✓ Corrosion-resistant stainless steel body.
- ✓ Material selection according to stored product, drain water composition and chemical environment.
- ✓ Available with stainless steel 1.4571 / 316Ti body for corrosive environments.
- ✓ Turnkey installation service available by WLI's qualified field service team.
- ✓ Short installation time.

✓ Available in:



(other sizes available upon request)

Advanced Floating Roof Operation and Effective Emission Control

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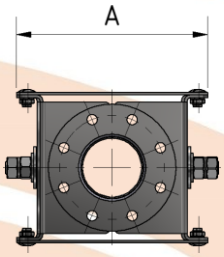
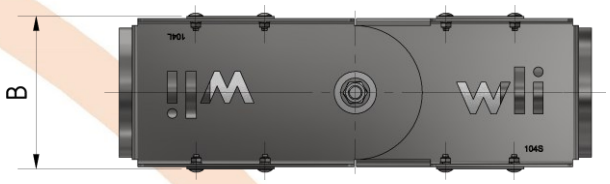
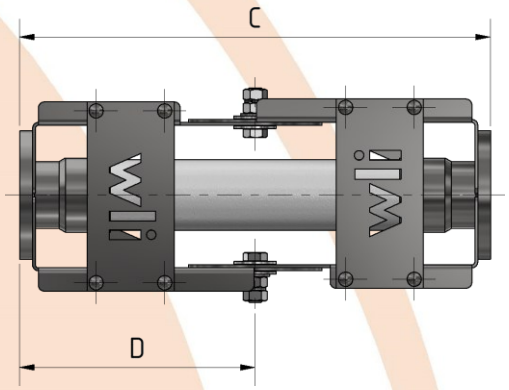
Key Dimensions *PURE* Series







Technical Data					
	PURE-52	*PURE*-83	*PURE*-104	*PURE*-156	*PURE*-208
A	264	292	324	394	429
B	185	228	262	326	386
C	580	650	804	998	1362
D	290	325	402	499	681
Weight	21,7 kg	32,0 kg	49,6 kg	78,8 kg	131,0 kg
Flange	DN50 / ANSI 2“	DN80 / ANSI 3“	DN100 / ANSI 4“	DN150 / ANSI 6“	DN200 / ANSI 8“
Material	Stainless Steel* 1.4571 (316Ti)				
	Operating Temperature Range: -30°C to 80°C				

All Dimensions in mm

* Other materials available upon request

Flanged Hose Design

- ✓ Material inside:
  Polypropylene lining with SS 316 (1.4401) inner wire (3 layers).
- ✓ Reinforcements:
  Polypropylene fabrics and films, PTFE fabric and seamless PE tube (5 layers).
- ✓ Material outside:
  Polypropylene cover and SS 316 (1.4401) outer wire (3 layers).

Delivery and Service Scope

The delivery of a PURE roof drain system typically includes the following:

- ✓ Hybrid roof drain swivel joints according to the project-specific roof drain configuration.
- ✓ Pressure test records and material certificates.
- ✓ Gaskets and flange connection bolts.
- ✓ Connection chain and shackles to limit movement between the first pipe segments connected to the roof sump, where required.
- ✓ Engineering of the complete roof drain arrangement, including flow calculations and drawings for the required pipe sections.
- ✓ Detailed installation instructions.
- ✓ Optional: Turnkey installation service by WLI's qualified field service team.

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