

Hydro-Flex

Couplings

KRAUSZ®



Problem Solvers

- £ Manufactured of Stainless steel one piece without welding.
- £ Stainless steel bolts and nuts as standard.
- £ Superior sealing capabilities.
- £ Joins pipes as coupling and repair breaks as clamp.
- £ Lightweight and easy fit on pipe ... no need to disassemble nuts & bolts.

The Hydro-Flex repair coupling is a stainless steel coupling including nuts and bolts. Manufactured of 304 stainless steel, it is suited for various hot soil conditions and corrosive applications.

The Hydro-Flex repair coupling is furnished with a pressure-assisted EPDM gasket approved for water system service. This pressure assisted gasket provides for an end seal of the product allowing for working pressure up to 24 bars and angular deflection up to six degrees.

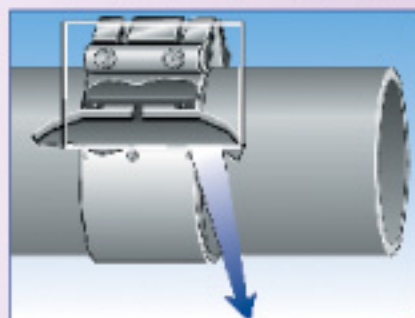
The Hydro-Flex is ideal to repair a pipe break without cutting the pipe or it can be used as a coupling to connect pipes to each other.

The Hydro-Flex coupling, with gasket rangeability of 10 mm without gasket changeout, is available in widths of 140, 210 and 280 mm and diameters ranging from 40 mm to 3000 mm.

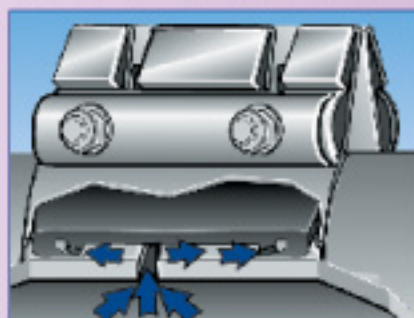
The Hydro-Flex coupling features a lightweight design. Yet, the product is very durable made in one piece without welding.



The Hydro-Flex Clamp is suitable to many different pipes and work applications.



The hydraulic gasket, made of specially composed bacteria-resistant rubber, encloses the pipe and is covered with an external steel sheath.



Fins on both ends of the gasket press on the pipe surface to create the seal.










As liquid or gas escapes into the gasket from the damaged pipe, these fins are forced open.



The greater the pressure on the fins, the harder they press on the pipe, ensuring a perfect seal - even with pipe displacement.

The Problem Solver

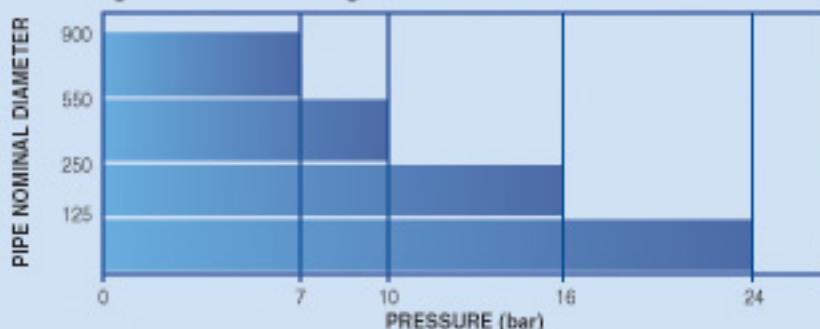
 <p>Krausz Hydraulic Clamp joins pipes with gaps up to 200mm.</p>	 <p>Krausz Hydraulic Clamp repairs holes in various types of pipes.</p>	 <p>Krausz Hydraulic Clamp can handle angular displacement with up to 6° between the pipes.</p>	 <p>Krausz Hydraulic Clamp can bridge over steps between pipes.</p>
 <p>Krausz Hydraulic Clamp repairs cracks in pipes permanently since the clamp absorbs the ground movement.</p>	 <p>Krausz Hydraulic Clamp replaces broken or leaking connector.</p>	 <p>Krausz Hydraulic Clamp can be placed over a thread connector or welding areas.</p>	

Technical Data

- ▶ Body made of stainless steel AISI 304 (DIN 1.4301) - standard. or AISI 316 (DIN 1.4435) - optional.
- ▶ Bolts and hex-nuts made of stainless steel AISI 304 (DIN 1.4301), coated with lubricant (to prevent galling).
- ▶ Rubber gasket EPDM compounded and approved for drinking water sewerage and air. Permanent temperature range -30°C to +100°C. Higher temperatures are allowed for short times (up to 120°C).
- ▶ Rubber gasket NBR compounded and approved for oils, fuels and gas. Permanent temperature range -20°C to +70°C.
- ▶ Lugs are made of ABS.
- ▶ Working pressure 0-24 bar (0-340 PSI) depending on size.
- ▶ Hydraulic coupling sizes of 700mm and more have two locking mechanisms with bolts M-16.

					
MODEL		M-140	L-140	L-210	L-280
width	mm	140	140	210	280
	inch	5.5"	5.5"	8.25"	11"
efficient sealing area	mm	76	76	136	218
	inch	3"	3"	5.35"	8.6"
tolerance	mm	7	10	10	10
	inch	0.28"	0.4"	0.4"	0.4"
locking mechanism height	mm	50	75	75	75
	inch	1.97"	2.95"	2.95"	2.95"
number x size bolts	mm	2xM-12	2xM-14	3xM-14/M-16	4xM-14/M-16
minimum nominal diameter	mm	40	80	80	250
	inch	1.5"	3"	3"	10"
maximum nominal diameter	mm	150	1200	3000	3000
	inch	6"	48"	120"	120"

Working Pressure Ratings



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