REPAMAX

HYMAX

GRIP

Krausz Industries Ltd

6 Hapatish St. Tel Aviv, Israel 6655906
TEL: +972 (0)3 5154000
FAX: +972 (0)3 5183293

INFO@KRAUSZ.COM
WWW.KRAUSZ.COM

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Repair the past. Connect the future.

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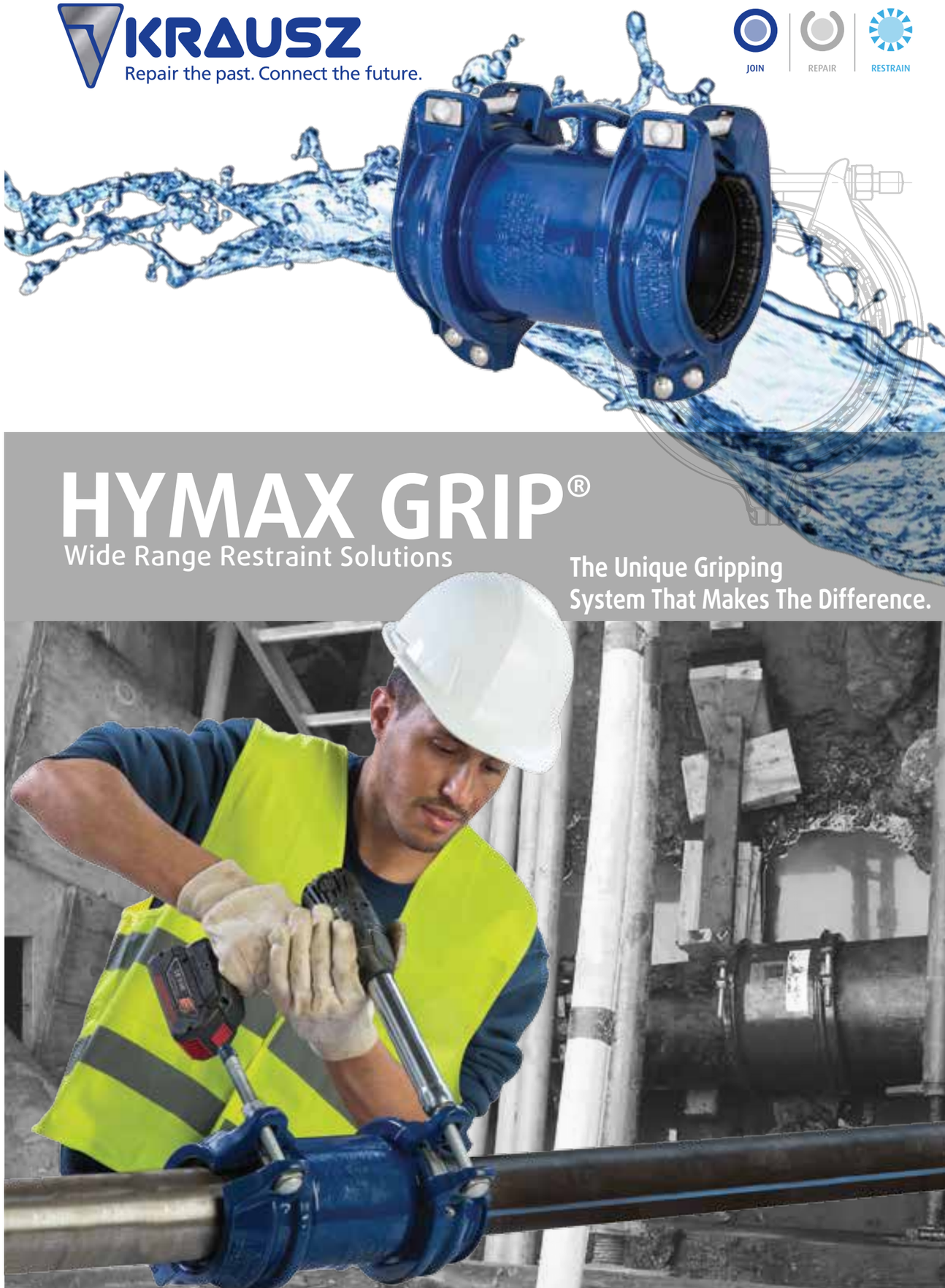


HYMAX GRIP®

Wide Range Restraint Solutions

The Unique Gripping System That Makes The Difference.

HYMAX GRIP® Product Information

HYMAX GRIP Restraint Solutions *

Nuts & Bolts
1 top facing bolt on each side, for faster, easier and safer installation

Gasket Bridge
Type 304 Stainless Steel

Eng Ring
40mm - 80mm Cast Steel
100mm - 300mm Ductile Iron Casting

Progressive Pressure-Assisted Gasket
Double layer detachable gasket

Center Ring + T Handle
Ductile Iron Casting for long-term durability

Universal Grip Chain
Restrains metal and plastic pipes

Coating
100% fusion bonded epoxy for enhanced corrosion protection

SUITABLE FOR THESE PIPE MATERIALS:

		DN (mm)	Working Range (mm)
	HYMAX GRIP® Restraint Coupling	40-100 125-175 175-300	26-28 32 50
	HYMAX GRIP® Flange Adaptor	80-100 125-175 175-300	26 32 50
	HYMAX GRIP® Reducer	40-100 125-175 175-300	26-28 32 50
	HYMAX GRIP® End Cap	40-100 125-175 175-300	26-28 32 50

* Picture is based on HYMAX GRIP DN 125 - features may vary among different product sizes.

HYMAX GRIP® Family Features

HYMAX GRIP. THE UNIQUE GRIPPING SYSTEM THAT MAKES THE DIFFERENCE.

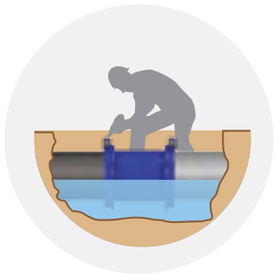
Krausz restraint products combine the patented technology of the HYMAX coupling with a unique restraint system, joining pipe ends while preventing axial movement. Designed using Krausz's innovation and patented technology, our restraint solutions work with metal and plastic pipes and are suitable for a wide variety of applications.

Unmatched performance

- Patented pipe grip – universal gripping system designed to restrain metal and plastic pipes.
- The unique patented radial closing mechanism holds pipes tightly in place during installation, allowing full control over the gap between pipes.
- The patented GRIP chain offers circular restraint around the pipe, unlike typical wedge style restraints that point-load the pipe.
- As the pipe applies axial pressure, the GRIP chain increasingly tightens over the pipe, preventing pullout.

Multiple applications

- Suits a wide range of pipe diameters, replacing the need to use dedicated products and thus reducing inventory costs and saving shelf space.
- The GRIP fits different types of plastic and metal pipes and allows nominal diameter range of up to 50mm.

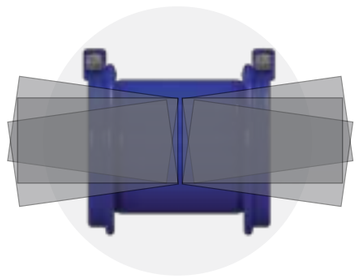


Ease of use

- Ready to use, stab-fit design features one to four top-facing bolts for quick and easy installation, reducing time in the ditch and improving worker safety.
- Comfortably slides over the pipe before final positioning.

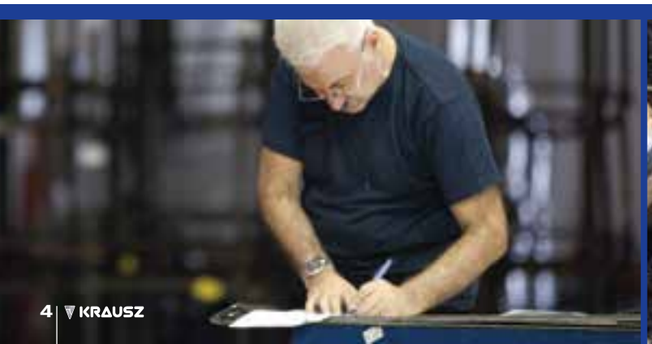
Extremely durable design

- Patented sealing solution is the pressure-assisted gasket featuring two-stage sealing: mechanical sealing that is effective under vacuum or non-pressure, and self-inflating gasket using water pressure.
- Nuts and bolts go through a unique dry treatment process, Molecular Anti-Galling (MAG), based on embedded zinc. MAG technology eliminates the need to grease bolts, preventing dust and dirt build-up. MAG prevents galling and enables repeated bolt tightening.
- Fusion-bonded epoxy coating enables an insulated product and prevents corrosion.
- Innovative radial closing design and sealing systems eliminate installation errors.



Flexible connection

- During installation, allows up to 4° angular deflection on each end.
- Absorbs post-installation dynamic pipe deflection of up to 4° on each end, reducing the risk of damage and cracking due to ground shifts and temperature changes.
- Adapts to out-of-round pipe shape (up to 4 mm), for optimum fit on both ends.



HYMAX GRIP® Product Information

All products meet or exceed standards NSF-61 and NSF-372. Products up to DN 300 were approved by 3rd party ILAC lab according to EN 14525.

Center Ring:

- Ductile Iron Casting ASTM A536 Grade 65-45-12.
- Coupling: 80mm - 300mm with T-handle.
- Flange Adapter: compatible with EN 1092-1 PN10/16. 175mm - 300mm with lifting-eye handle.
- End Cap: 80mm - 300mm with T-handle and two threaded outlets 2G BSP.
  40mm - 65mm no handle and one threaded outlet 2G BSP.
- Reducer: 40mm - 300mm with T-handle.

End Ring:

- 40mm – 80mm: Steel Casting ASTM A216 WCB.
- 100mm – 300mm: Ductile Iron Casting ASTM A536 grade 60-40-18.

Progressive Pressure-Assisted Gasket:

- Detachable 2-layer gasket for enhanced working range.
- EPDM compounded for water and sewerage, meets international standards for contact with drinking water: NSF-61, UBA Elastomer Guideline (KTW), W270, XP P 41-250, AS/NZS 4020, and BS 6920. Meets DIN EN 681-1 for water and drainage applications.

Nuts & Bolts:

- AISI 304 Stainless Steel. Rolled thread and Molecular Anti-galling (MAG) treatment.

Gasket Bridge:

- AISI 304 Stainless Steel.

Coating:

- 100% fusion bonded epoxy for enhanced corrosion protection. Average thickness 250 microns. Meets NSF-61, BS 6920, W270, ONORM B 5014-1, XP P 41-250, AS/NZS 4020, and UBA-Coatings Guideline.

Dynamic Deflection:

- Up to 4° per side (one side only for Flange Adaptor).

Working Pressure:

- 16 Bar.

Rated Pressure:

- 24 Bar.

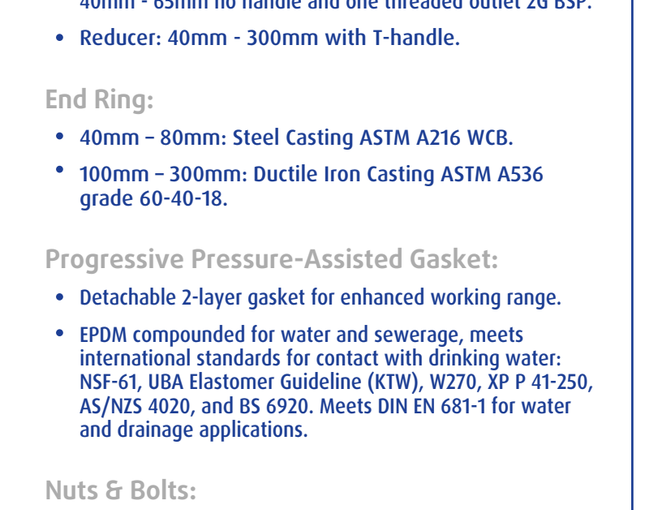
Working Temperature:

- -30°C up to +50°C.

Vacuum Test:

- 0.8 Bar.

* Data may vary according to product size and type. For complete technical information please refer to product specification sheet.



KRAUSZ 90 Years of Innovation

90 YEARS

OF INNOVATIVE PIPE JOIN AND REPAIR SOLUTIONS

Krausz Industries develops, designs, and manufactures market-leading smart products for repairing and connecting different types of pipes for potable water and sewage.

During more than 90 years of industry leadership, Krausz has earned a solid reputation for innovative, high-quality products that are exceptionally easy to use and are extremely durable; products that save significant time and cost in installation, inventory and maintenance.

With millions of installations worldwide, Krausz products expertly meet immediate connection and repair needs and prevent future pipe damage, delivering long-lasting value.