



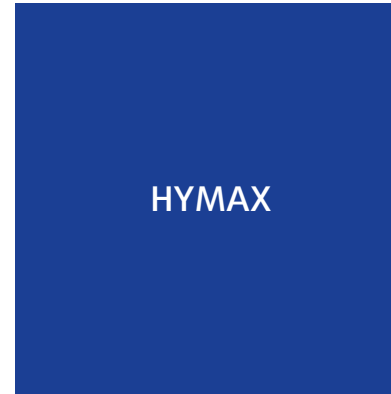
# HYMAX®

Wide-Range Coupling Solutions

Your Safest Choice Coupling.



REPAMAX



EZ-MAX



## Krausz Industries Ltd

6 Hapatish St. Tel Aviv, Israel 6655906

TEL: +972 (0)3 5154000

FAX: +972 (0)3 5183293

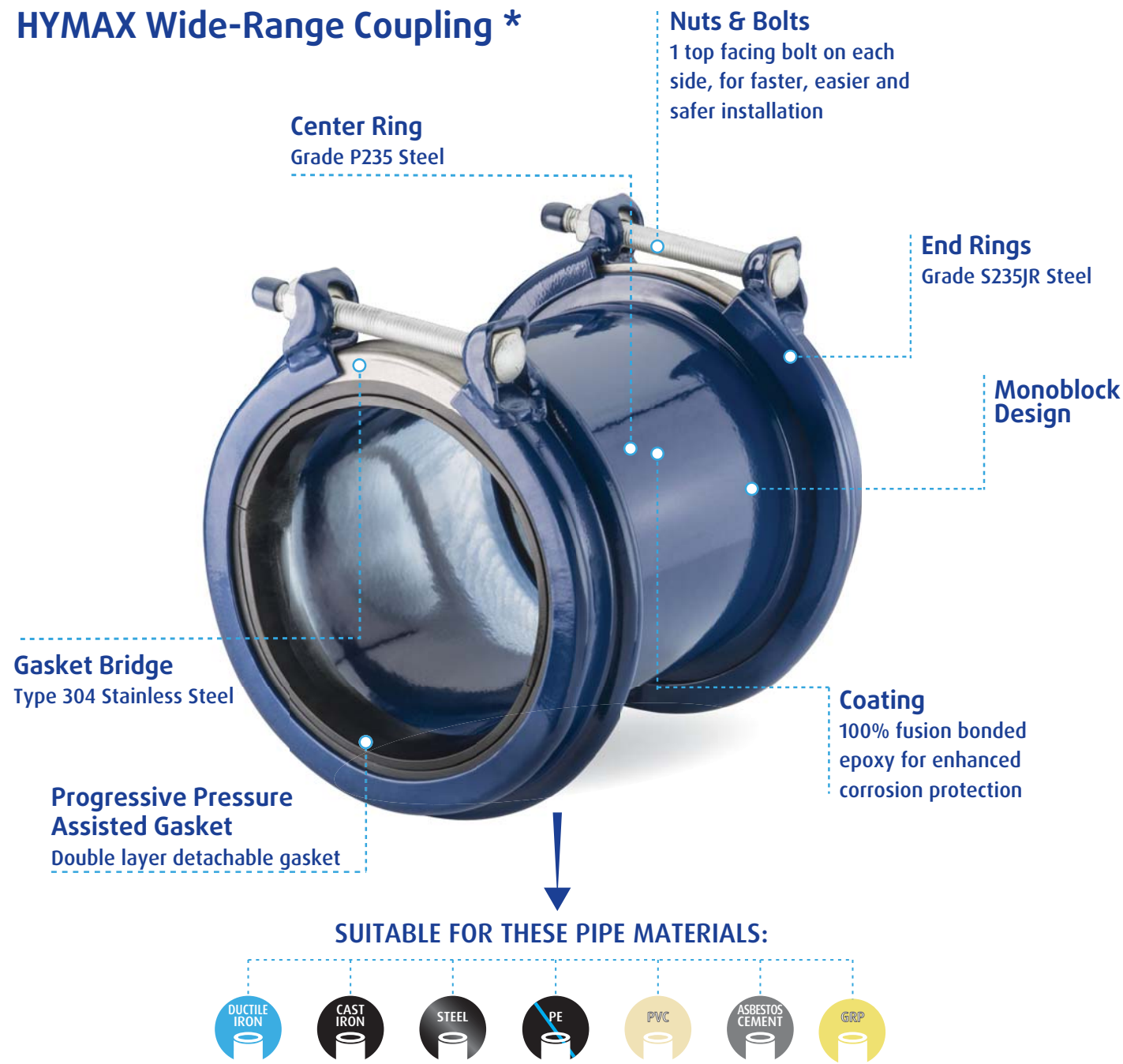
[INFO@KRAUSZ.COM](mailto:INFO@KRAUSZ.COM)

[WWW.KRAUSZ.COM](http://WWW.KRAUSZ.COM)



# HYMAX® Product Information

## HYMAX Wide-Range Coupling \*



\* Picture is based on HYMAX Coupling 40mm-300mm. Features may vary among different product sizes.

		DN (mm)	Working Range (mm)	Product Description
	<b>HYMAX®</b>	40-300 350-600 650-1500	Up to 32mm Up to 54mm 54mm	Wide-range HYMAX Coupling, used for section replacement, connects two pipes of the same or different OD pipe diameters and materials.
	<b>HYMAX®</b> Flange Adaptor	40-300 350-600 650-1500*	Up to 32mm Up to 54mm 54mm	Wide-range HYMAX Flange Adaptor connects any flanged device, such as valves, pumps and other devices, with a variety of pipe diameters and materials.
	<b>HYMAX®</b> Long Body	40-300 350-600 650-1500	Up to 32mm Up to 54mm 54mm	Wide-range HYMAX Long Body Coupling, used for pipe section replacement, connects two pipes of the same or different OD pipe diameters and materials, covering a wider gap between the pipes.
	<b>HYMAX®</b> Reducer	40-300 350-600 650-1500*	Up to 32mm Up to 54mm 54mm	Wide-range HYMAX Reducer joins pipes of different nominal sizes and materials. Each side has a tolerance of up to 54 mm.
	<b>HYMAX®</b> Threaded Outlet	40-300* 350-600* 650-1500*	Up to 32mm Up to 54mm 54mm	HYMAX Threaded Outlet provides effective outlet solutions for a wide variety of piping types and diameters, joining pipes made of the same or different materials.
	<b>HYMAX®</b> Flanged Outlet	40-300* 350-600* 650-1500*	Up to 32mm Up to 54mm 54mm	HYMAX Flanged Outlet provides effective outlet solutions for a wide variety of piping types and diameters, joining pipes made of the same or different materials.

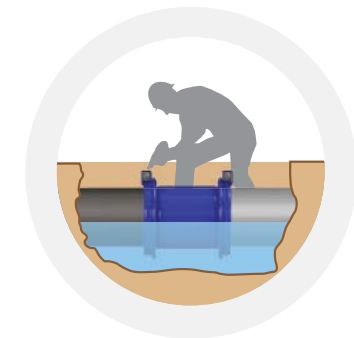
\* MTO Sizes (Made To Order).



# HYMAX® Family Features

## HYMAX. Wide-Range Coupling Solutions.

Krausz HYMAX® coupling solutions feature advanced engineering and innovative design, enabling fast installation, outstanding flexibility, and extreme durability in varied conditions. These benefits make the Krausz HYMAX® the high-performance, cost-effective choice for a broad variety of applications. A revolutionary product line, that has set a new industry standard, the HYMAX products have been field-proven in millions of installations world-wide.



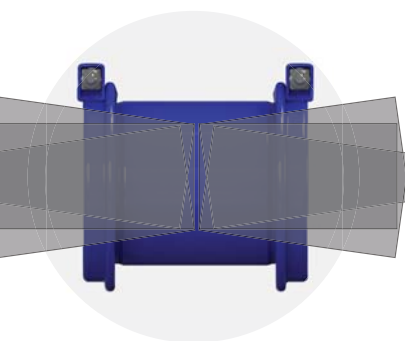
### Fast and easy installation

- Lightweight construction enables fast and easy installation, with minimum manpower, reducing time in the ditch and improving worker safety.
- Unique top-facing bolts enable easy installation access.
- Ready-to-use, stab-on design eliminates the need for extensive under-pipe digging and work.



### Multiple applications

- Broad variety of products, from couplings to flange adaptors and reducers.
- Extensive portfolio of products with 40mm-1500mm nominal pipe size.
- All products work with a variety of pipe materials: ductile iron, cast iron, steel, PE, PVC, AC, and GRP.
- One single product can connect pipes of two different materials, allowing nominal diameter range of up to 54mm.



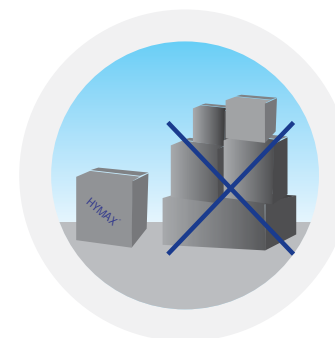
### Flexible connection

- During installation, allows for up to 4° angular deflection on each end, as well as for misaligned pipes.
- 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 13mm), for optimum fit on both ends.



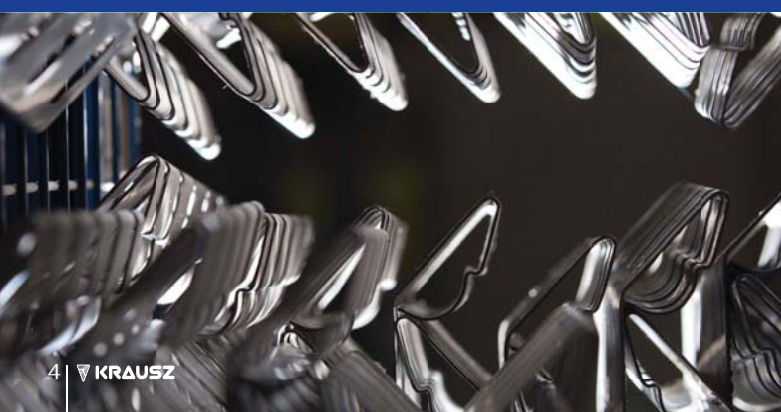
### High durability

- 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.
- Fusion-bonded epoxy coating enables an insulated product and prevents corrosion.
- Nuts, bolts and other components are made of stainless steel.
- Innovative radial closing design and sealing systems eliminate installation errors.
- Advanced Molecular Anti-Galling (MAG) unique dry treatment process on nuts and bolts, based on embedded zinc, prevents galling and enables repeated bolt tightening; it also eliminates the need for grease, preventing dust and dirt build-up.



### Cost-saving

- Hymax products suit a wide range of pipe diameters, replacing the need to use dedicated products and thus reducing inventory costs and saving shelf space.
- Fast and easy installation saves time and money.





All products meet or exceed standards NSF-61 and NSF-372.

**Center Ring:**

- 40mm – 300mm: Grade P235 Steel, EN 10217-1.
- 350mm – 1500mm: Grade S235JR Steel, EN 10025-2 (DIN 17100).

**End Rings:**

- 40mm – 1500mm: Grade S235JR Steel, EN 10025-2 (DIN 17100).
- 350mm – 400mm: Grade S235JR Steel, EN 10025-2 (DIN 17100).  
(or Ductile Iron Casting ASTM A536 Grade 60-40-18).

**Progressive Pressure-Assisted Gasket:**

- Detachable 2-layer gasket for extended working range.
- EPDM compounded for water and sewerage, meets international standards for contact with drinking water: NSF-61, KTW, W270, XP P 41-250, 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.
- Top facing bolts for maximum installer safety.

**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:**

- Up to 16 Bar.

**Rated Pressure:**

- Up to 24 Bar.

**Working Temperature:**

- -30°C up to +50°C.

**Vacuum Test:**

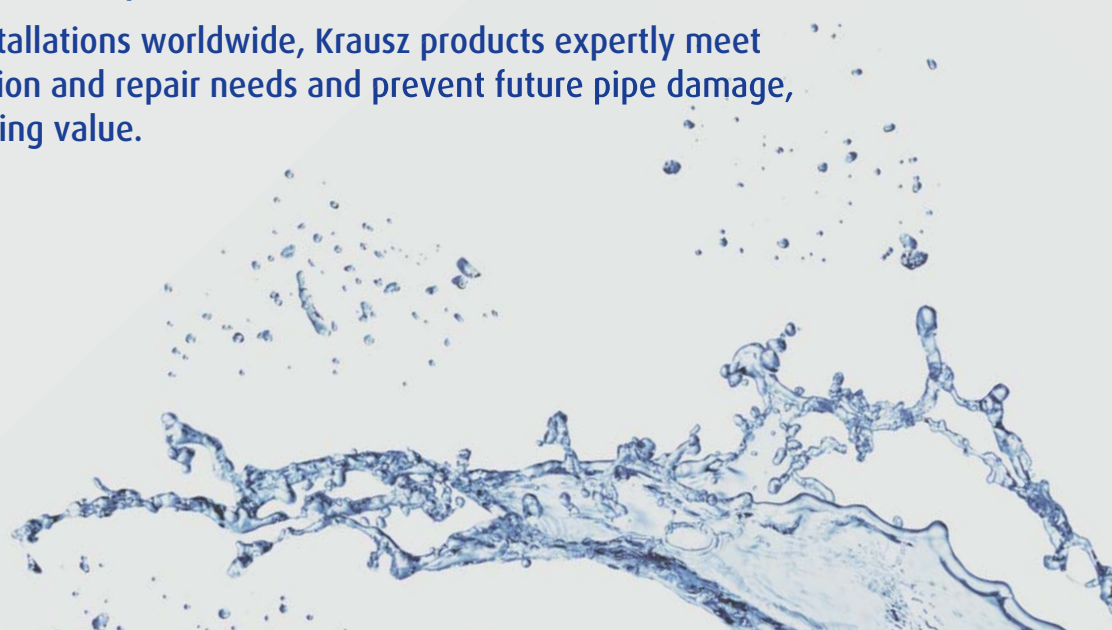
- 0.8 Bar.



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.



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

