

KRAUSZ®

a **MUELLER** brand

HYMAX GRIP®

Wide Range Restraint Solutions

THE TEETH
MAKE THE
DIFFERENCE



DETECT



MONITOR



CONTROL



REPAIR

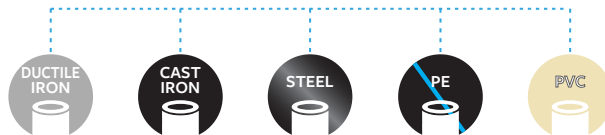
MUELLER

HYMAX GRIP® PRODUCT INFORMATION

HYMAX GRIP Restraint Solutions



SUITABLE FOR THESE PIPE MATERIALS:



	Working Range (mm)	DN (mm)
HYMAX GRIP® Restraint Coupling	26-28 32 50	40-100 125-175 175-300



HYMAX GRIP® Flange Adaptor	26 32 50	40-100 125-175 175-300
---------------------------------------	----------------	------------------------------



HYMAX GRIP® Reducer	26-28 32 50	40-100 125-175 175-300
--------------------------------	-------------------	------------------------------



HYMAX GRIP® End Cap	26-28 32 50	40-100 125-175 175-300
--------------------------------	-------------------	------------------------------



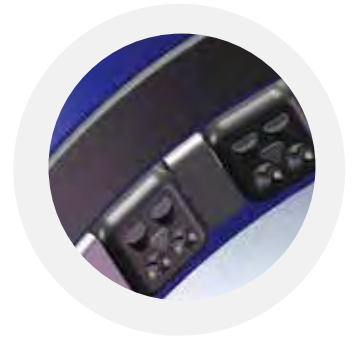
HYMAX GRIP® FAMILY FEATURES

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 all types of 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.



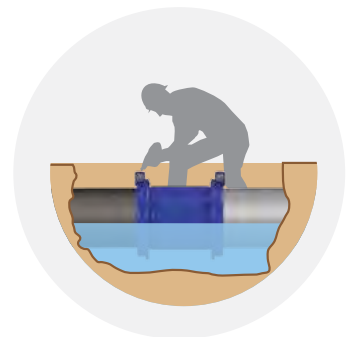
Multiple applications

- 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 two 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.



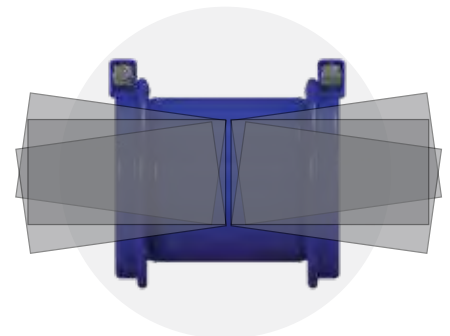
Extremely durable design

- 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® FAMILY FEATURES

Products meet standards NSF-61, NSF-372, EN 14525 AND BRL 775

All products meet or exceed standards NSF-61 and NSF-372. Range 12 and 22 products up to DN300 were approved by 3rd party ILAC lab according to EN 14525.

Center Ring:

- Ductile Iron Casting ASTM A536 Grade 65-45-12.
- Coupling: 40mm - 300mm with T-handle.
- Flange Adapter: compatible with EN 1092-1 PN10/16, AS/NZS 4087. 175mm - 300mm with lifting-eye handle.
- End Cap: 80mm - 300mm with T-handle and two threaded outlets 2G BSP.
40mm - 65mm with T-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 65-45-12.

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, 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 SS316 Stainless Steel. Rolled thread and Molecular Anti-galling (MAG) treatment.

Gasket Bridge

- AISI SS316 Stainless Steel.

Coating:

- 100% fusion bonded epoxy for enhanced corrosion protection. Minimum thickness 250 microns. Meets NSF-61, BS 6920, W270, ONORM B 5014-1, XP P 41-250, AS/NZS 4020, AS/NZS 4158, UBA-Coatings Guideline and GSK.

Dynamic Deflection:

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

PFA - Allowable Operating Pressure:

- 16 Bar.

PEA - Allowable Test 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 100 YEARS OF INNOVATION



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 100 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.

In 2018, Krausz was acquired by Mueller Water Products.

Mueller Water Products, Inc. (NYSE: MWA) is a leading manufacturer and marketer of products and services used in the transmission, distribution and measurement of water in North America. Mueller's broad product and service portfolio includes engineered valves, fire hydrants, pipe connection and repair products, metering products, leak detection, and pipe condition assessment.



1 Harav Mantzura Str. Rosh Haayin, Israel 4850001 Tel: +972 (0)3 5154000 | Fax: +972 (0)3 5183293 | Info@krausz.com | www.krausz.com

Mueller refers to one or more of Mueller Water Products, Inc. (MWP), a Delaware corporation, and its subsidiaries. MWP and each of its subsidiaries are legally separate and independent entities when providing products and services. MWP does not provide products or services to third parties. MWP and each of its subsidiaries are liable only for their own acts and omissions and not those of each other. Mueller brands include Mueller®, Echologics®, Hydro Gate®, Hydro-Guard®, HYMAX®, i20®, Jones®, Krausz®, Mi.Net®, Milliken®, Pratt®, Pratt Industrial®, Singer®, and U.S. Pipe Valve & Hydrant. Please see muellerwp.com/brands to learn more.

© 2021 Krausz®. All Rights Reserved. The trademarks, logos and service marks displayed in this document are the Krausz®, its affiliates or other third parties. Products marked with a section symbol (§) are subject to patents or patent applications. For details, visit www.mwppat.com. These products are intended for use in potable water applications. Please contact your Mueller Sales or Customer Service Representative concerning any other application(s).

02/2023 BR0037 REV F

