



Krausz-USA
Ed Nunes
November 29, 2017



- Agenda
 - Who is Krausz-USA
 - HDPE Target Applications
 - HYMAX Product Overview
 - Technology Overview
 - Safety, Testing & Performance
 - Use Cases

- Who is Krausz-USA
 - The originator of HYMAX
 - Over 90 years of industry experience
 - HYMAX is the largest supplier of Repair and Replace two bolt couplings in the North American Market
 - Over 1 Million units installed
 - Patented Dynamic Deflection



KRAUSZ INDUSTRIES

- Established in 1920
- Develops, designs, manufactures and sells pipe coupling and repair solutions for water and wastewater industries.
- Company's HQ is in Israel, with wholly owned subsidiary in the US and distributors' network in Europe
- Over 200 employees



- HDPE target Application
 1. Transitions to other pipe types
 2. Wet Conditions
 3. Applications where Fusion or Butt wedding cannot be performed
 4. Pin-Hole leak repair for faulty welds



HDPE
MUNICIPAL
ADVISORY
BOARD



UNIVERSITY OF TEXAS AT ARLINGTON



- Launched and Available Today
 - HYMAX Grip 1.5” through 12”
 - Coupling:
 - Endcap
 - Flange Adaptor
 - Reducer



- HYMAX Versa
 - High pressure wrap-around coupling
 - 1.5” through 70”



- Launched and Available Today

- HYMAX Grip

- 45° Elbow Coupling
- 4" – 12"



- 90° Elbow Coupling
- 4" – 12"

- SwivelJoint Coupling

- 4" – 8"
- Connects pipes of any angle between 0 and 90



• HYMAX GRIP Specifications



Product	Sizes	Working Pressure (PSI)	Rated Pressure (PSI)	Temp Range (°F)	Dynamic Deflection	Gasket	Materials of Construction	Coating	Standards
Coupling	1.5"-12"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
Flange Adaptor	1.5"-12"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
Endcap	1.5"-12"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
Reducer	1.5"-12"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
90° Elbow	4" - 12"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
45° Elbow	4" - 8"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
Swiveljoint	4" - 8"	250 PSI	500 PSI	(-20 to 125)	4° Each Side	EPDM/NBR	Body: DI Bolts: 304-SS	Fusion Bonded Epoxy	AWWA:C-219 NSF: 61,372
Versa	1.5" – 70"	232 PSI	350 PSI	(-20 to 180)	3° Each Side	EPDM	Body: 304 SS Bolts: 304-SS	–	AWWA:C-219 NSF: 61,372

- What Makes HYMAX Unique

- Two Stage Hydraulically assisted gasket



- Continuous Deflection: 4° Degrees each side

- Wide Range

- Same product for Ductile, Cast Iron, PVC, and HDPE



- Rigorous Product Testing
 - Hydrostatic Pressure Testing
 - Cycle Testing
 - 1000 Cycles
 - Pull-Test
 - 12 Tonnes
 - Dynamic Deflection Testing



Use-Cases



HDPE
MUNICIPAL
ADVISORY
BOARD



Dear Stan,

We have installed all the HYMAX Grip Flange Adaptors and they are working great. We were able to install all our large meter sets much faster as well as keep our customers happy because we didn't have to shut off their water as long. The new Walmart only was off for 30 minutes (see attached picture) HYMAX Grip products are now our approved product going forward.



Kevin Fortkamp
Water Services Tech II
Meter Maintenance Div.



EFFECTIVE ACTION FOR
SUSTAINABLE PROGRESS

KRAUSZ HYMAX GRIP

At first glance the *HYMAX GRIP* looks like a stout easy to use coupling with great features like having two bolts to tighten instead of five, and ease of use features like the T handle on top and the easy to read torque setting on the label. Another great feature is the teeth around the outside which lock it in place once tightened down.

When installing the *HYMAX GRIP* some of the pros of the coupling we noticed were its ease of use and the short amount of time it takes to put the coupling on and tighten it down. It took us a fraction of the amount of time to install this new coupling then it did to even remove the old one. Having the T handle there made it even easier to install, once we were ready we just picked it up slid it on and tightened it down in a matter of minutes.

Robert Leamy

Water Systems Operator 2

Rowland Water District
3021 Fullerton Road
Rowland Heights, CA 91748
Phone: (562) 697-1728



Thank You