

# HYMAX<sup>®</sup>

Repair the past. Connect the future.

## Wide-Range Coupling Solutions



### HYMAX. CONNECTING THE FUTURE.

A revolutionary product that set a new industry standard, the HYMAX<sup>®</sup> product line has been field-proven in millions of installations world-wide.

HYMAX<sup>®</sup> Coupling solutions feature advanced engineering and innovative design, enabling fast installation, outstanding flexibility, and extreme durability in varied conditions. These benefits make the HYMAX<sup>®</sup> Couplings the high-performance, cost-effective choice for a broad variety of applications.



JOIN



REPAIR



RESTRAIN

 **KRAUSZ** is the creator of HYMAX

Spherical Spacers -  
Type ANSI 304L Stainless Steel

Nuts & Bolts - Type ANSI 304 Stainless Steel  
Rolled thread and Molecular Anti Galling (MAG)

Gasket Bridge - Type  
ANSI 304 Stainless Steel

End Rings - ASTM A283/  
A283M Grade C Steel



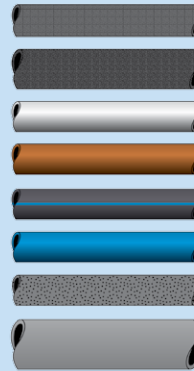
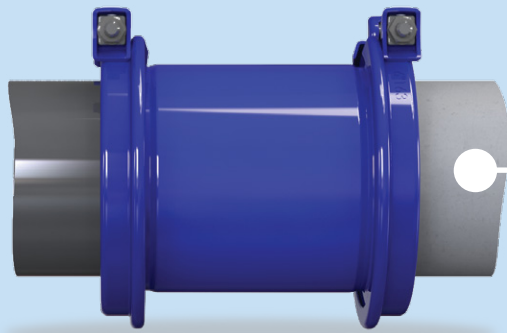
Center Ring  
1.5" - 12": ASTM A53 Grade A Steel.  
14" - 60": ASTM A283/A283M  
Grade C Steel

Double Layer Gasket - EPDM  
compounded for water and sewage  
Meets NSF-61 and NSF-372 standards  
for contact with drinking water

Coating - 100% fusion bonded epoxy for  
enhanced corrosion protection.  
Average thickness 14 mil, meets NSF-61  
and NSF-372 standards

Picture is based on HYMAX 1.5"-12" - features may vary between different product sizes.

# FAMILY



Ductile Iron  
Cast Iron  
Steel  
Copper  
PE  
PVC  
Asbestos Cement  
GRP



# HYMAX<sup>®</sup> PRODUCT

## HYMAX WIDE RANGE COUPLING

Wide-range HYMAX Coupling, used for section replacement, connects two pipes of the same or different OD pipe diameters and materials, up to 2.1" range.



Nominal Pipe Size  
1.5" - 48"

| Krausz Part Number | ND (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 860-56-0041-16     | 1.5       | 1.61 - 2.13          | 1.61 - 1.97                            | 1.96 - 2.13                           | 260                    | 390                  |
| 860-56-0054-16     | 2         | 2.10 - 3.03          | 2.10 - 2.60                            | 2.56 - 3.03                           | 260                    | 390                  |
| 860-56-0088-16     | 3         | 3.46 - 4.33          | 3.46 - 3.90                            | 3.86 - 4.33                           | 260                    | 390                  |
| 860-56-0108-16C    | 4         | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 260                    | 390                  |
| 860-56-0130-16     | 5         | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 260                    | 390                  |
| 860-56-0163-16     | 6         | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 260                    | 390                  |
| 860-56-0190-16     | 7         | 7.48 - 8.74          | 7.48 - 8.11                            | 8.07 - 8.74                           | 260                    | 390                  |
| 860-56-0217-16     | 8         | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 260                    | 390                  |
| 860-56-0272-16     | 10        | 10.70 - 12.00        | 10.70 - 11.37                          | 11.33 - 12.00                         | 260                    | 390                  |
| 860-56-0278-16     | 10        | 10.96 - 12.26        | 10.96 - 11.63                          | 11.59 - 12.26                         | 260                    | 390                  |
| 860-56-0315-16     | 12        | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 260                    | 390                  |
| 860-56-0334-16     | 12        | 13.15 - 14.41        | 13.15 - 13.78                          | 13.74 - 14.41                         | 260                    | 390                  |
| 860-56-0378-16P    | 14        | 15.00 - 17.10        | 15.00 - 16.10                          | 16.02 - 17.10                         | 260                    | 390                  |
| 860-56-0434-16P    | 16        | 17.10 - 19.20        | 17.10 - 18.19                          | 18.11 - 19.20                         | 260                    | 390                  |
| 860-56-0488-16P    | 18        | 19.20 - 21.30        | 19.20 - 20.29                          | 20.21 - 21.30                         | 232                    | 350                  |
| 860-56-0497-16P    | 20        | 19.60 - 21.70        | 19.60 - 20.69                          | 20.61 - 21.70                         | 232                    | 350                  |
| 860-56-0540-16P    | 20        | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 232                    | 350                  |
| 860-56-0606-16P    | 24        | 23.85 - 25.95        | 23.85 - 24.96                          | 24.88 - 25.95                         | 232                    | 350                  |
| 860-56-0624-16P    | 24        | 24.60 - 26.70        | 24.60 - 25.67                          | 25.59 - 26.70                         | 232                    | 350                  |

## HYMAX FLANGE ADAPTOR and FLANGE ADAPTOR LONG BODY

Wide-range HYMAX Flange Adaptor connects any flanged device, such as valves, pumps and other devices, with a variety of pipe diameters and materials, up to 2.1" range.



Nominal Pipe Size  
1.5" - 60"  
(26" - 60" - Made to Order)

## HYMAX Flange Adaptor

| Krausz Part Number | ND (inch) | Flange (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|---------------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 874-56-01004112    | 1.5       | 1.5           | 1.61 - 2.13          | 1.61 - 1.97                            | 1.96 - 2.13                           | 175                    | 262                  |
| 874-56-02005412    | 2         | 2             | 2.10 - 3.03          | 2.10 - 2.60                            | 2.56 - 3.03                           | 175                    | 262                  |
| 874-56-03008812    | 3         | 3             | 3.46 - 4.33          | 3.46 - 3.90                            | 3.86 - 4.33                           | 175                    | 262                  |
| 874-56-04010812    | 4         | 4             | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 175                    | 262                  |
| 874-56-05013012    | 5         | 5             | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 175                    | 262                  |
| 874-56-06013012    | 5         | 6             | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 175                    | 262                  |
| 874-56-06016312    | 6         | 6             | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 175                    | 262                  |
| 874-56-08019012    | 7         | 8             | 7.48 - 8.74          | 7.48 - 8.11                            | 8.07 - 8.74                           | 175                    | 262                  |
| 874-56-08021712    | 8         | 8             | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 175                    | 262                  |
| 874-56-10027212    | 10        | 10            | 10.70 - 12.00        | 10.70 - 11.37                          | 11.33 - 12.00                         | 175                    | 262                  |
| 874-56-10027812    | 10        | 10            | 10.96 - 12.26        | 10.96 - 11.63                          | 11.59 - 12.26                         | 175                    | 262                  |
| 874-56-12031512    | 12        | 12            | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 175                    | 262                  |
| 874-56-12033412    | 12        | 12            | 13.15 - 14.41        | 13.15 - 13.78                          | 13.74 - 14.41                         | 175                    | 262                  |
| 874-56-14037812    | 14        | 14            | 15.00 - 17.10        | 15.00 - 16.10                          | 16.02 - 17.10                         | 175                    | 262                  |
| 874-56-16043412    | 16        | 16            | 17.10 - 19.20        | 17.10 - 18.19                          | 18.11 - 19.20                         | 175                    | 262                  |
| 874-56-18048812    | 18        | 18            | 19.20 - 21.30        | 19.20 - 20.29                          | 20.21 - 21.30                         | 175                    | 262                  |
| 874-56-20054012    | 20        | 20            | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 175                    | 262                  |
| 874-56-24060612    | 24        | 24            | 23.85 - 25.95        | 23.85 - 24.96                          | 24.88 - 25.95                         | 175                    | 262                  |
| 874-56-24062412    | 24        | 24            | 24.60 - 26.70        | 24.60 - 25.67                          | 25.59 - 26.70                         | 175                    | 262                  |

## HYMAX Flange Adaptor Long Body

| Krausz Part Number | ND (inch) | Flange (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|---------------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 974-56-01004112    | 1.5       | 1.5           | 1.61 - 2.13          | 1.61 - 1.97                            | 1.96 - 2.13                           | 175                    | 262                  |
| 974-56-02005412    | 2         | 2             | 2.10 - 3.03          | 2.10 - 2.60                            | 2.56 - 3.03                           | 175                    | 262                  |
| 974-56-03008812    | 3         | 3             | 3.46 - 4.33          | 3.46 - 3.90                            | 3.86 - 4.33                           | 175                    | 262                  |
| 974-56-04010812    | 4         | 4             | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 175                    | 262                  |
| 974-56-05013012    | 5         | 5             | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 175                    | 262                  |
| 974-56-06013012    | 5         | 6             | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 175                    | 262                  |
| 974-56-06016312    | 6         | 6             | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 175                    | 262                  |
| 974-56-08019012    | 7         | 8             | 7.48 - 8.74          | 7.48 - 8.11                            | 8.07 - 8.74                           | 175                    | 262                  |
| 974-56-08021712    | 8         | 8             | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 175                    | 262                  |
| 974-56-10027212    | 10        | 10            | 10.70 - 12.00        | 10.70 - 11.37                          | 11.33 - 12.00                         | 175                    | 262                  |
| 974-56-10027812    | 10        | 10            | 10.96 - 12.26        | 10.96 - 11.63                          | 11.59 - 12.26                         | 175                    | 262                  |
| 974-56-12031512    | 12        | 12            | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 175                    | 262                  |
| 974-56-14037812    | 14        | 14            | 15.00 - 17.10        | 15.00 - 16.10                          | 16.02 - 17.10                         | 175                    | 262                  |
| 974-56-16043412    | 16        | 16            | 17.10 - 19.20        | 17.10 - 18.19                          | 18.11 - 19.20                         | 175                    | 262                  |
| 974-56-18048812    | 18        | 18            | 19.20 - 21.30        | 19.20 - 20.29                          | 20.21 - 21.30                         | 175                    | 262                  |
| 974-56-20054012    | 20        | 20            | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 175                    | 262                  |
| 974-56-24060612    | 24        | 24            | 23.85 - 25.95        | 23.85 - 24.96                          | 24.88 - 25.95                         | 175                    | 262                  |
| 974-56-24062412    | 24        | 24            | 24.60 - 26.70        | 24.60 - 25.67                          | 25.59 - 26.70                         | 175                    | 262                  |

# SPECIFICATIONS

## HYMAX LONG BODY

Wide-range HYMAX Long Body Coupling, used for pipe section replacement, connects two pipes of the same or different OD pipe and materials, covering a wider gap between the pipes, with up to up to 2.1" range.

Long couplings are typically used when there is uncertainty regarding the gap between the pipes.



Nominal Pipe Size  
1.5" - 60"

| Krausz Part Number | ND (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 862-56-0041-16     | 1.5       | 1.61 - 2.13          | 1.61 - 1.97                            | 1.96 - 2.13                           | 260                    | 390                  |
| 862-56-0054-16     | 2         | 2.10 - 3.03          | 2.10 - 2.60                            | 2.56 - 3.03                           | 260                    | 390                  |
| 862-56-0088-16     | 3         | 3.46 - 4.33          | 3.46 - 3.90                            | 3.86 - 4.33                           | 260                    | 390                  |
| 862-56-0108-16C    | 4         | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 260                    | 390                  |
| 862-56-0130-16     | 5         | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 260                    | 390                  |
| 862-56-0163-16     | 6         | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 260                    | 390                  |
| 862-56-0190-16     | 7         | 7.48 - 8.74          | 7.48 - 8.11                            | 8.07 - 8.74                           | 260                    | 390                  |
| 862-56-0217-16     | 8         | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 260                    | 390                  |
| 862-56-0272-16     | 10        | 10.70 - 12.00        | 10.70 - 11.37                          | 11.33 - 12.00                         | 260                    | 390                  |
| 862-56-0278-16     | 10        | 10.96 - 12.26        | 10.96 - 11.63                          | 11.59 - 12.26                         | 260                    | 390                  |
| 862-56-0315-16     | 12        | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 260                    | 390                  |
| 862-56-0334-16     | 12        | 13.15 - 14.41        | 13.15 - 13.78                          | 13.74 - 14.41                         | 260                    | 390                  |
| 862-56-0378-16P    | 14        | 15.00 - 17.10        | 15.00 - 16.10                          | 16.02 - 17.10                         | 260                    | 390                  |
| 862-56-0434-16P    | 16        | 17.10 - 19.20        | 17.10 - 18.19                          | 18.11 - 19.20                         | 260                    | 390                  |
| 862-56-0488-16P    | 18        | 19.20 - 21.30        | 19.20 - 20.29                          | 20.21 - 21.30                         | 232                    | 350                  |
| 862-56-0497-16P    | 20        | 19.60 - 21.70        | 19.60 - 20.69                          | 20.61 - 21.70                         | 232                    | 350                  |
| 862-56-0540-16P    | 20        | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 232                    | 350                  |
| 862-56-0606-16P    | 24        | 23.85 - 25.95        | 23.85 - 24.96                          | 24.88 - 25.95                         | 232                    | 350                  |
| 862-56-0624-16P    | 24        | 24.60 - 26.70        | 24.60 - 25.67                          | 25.59 - 26.70                         | 232                    | 350                  |

## HYMAX REDUCER

Wide-range HYMAX Reducer joins pipes different nominal sizes and materials. Each side has a tolerance of up to 2.1", joining pipes made of a variety of materials.



Nominal Pipe Size  
1.5" - 60"  
(26" - 60" Made to Order)

| Krausz Part Number | ND (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Overall Range 2 (inch) | Before removing of the inner layer 2 (inch) | After removing of the inner layer 2 (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|----------------------|----------------------------------------|---------------------------------------|------------------------|---------------------------------------------|--------------------------------------------|------------------------|----------------------|
| 861560041005416    | 1.5 x 2   | 1.61 - 2.13          | 1.61 - 1.97                            | 1.96 - 2.13                           | 2.10 - 3.03            | 2.10 - 2.60                                 | 2.56 - 3.03                                | 260                    | 390                  |
| 861560054008816    | 2 x 3     | 2.10 - 3.03          | 2.10 - 2.60                            | 2.56 - 3.03                           | 3.46 - 4.33            | 3.46 - 3.90                                 | 3.86 - 4.33                                | 260                    | 390                  |
| 861560088010816    | 3 x 4     | 3.46 - 4.33          | 3.46 - 3.90                            | 3.86 - 4.33                           | 4.25 - 5.63            | 4.25 - 5.00                                 | 4.92 - 5.63                                | 260                    | 390                  |
| 861560108013016    | 4 x 5     | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 5.12 - 6.38            | 5.12 - 5.75                                 | 5.71 - 6.38                                | 260                    | 390                  |
| 861560108016316    | 4 x 6     | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 6.42 - 7.68            | 6.42 - 7.05                                 | 7.01 - 7.68                                | 260                    | 390                  |
| 861560130016316    | 5 x 6     | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 6.42 - 7.68            | 6.42 - 7.05                                 | 7.01 - 7.68                                | 260                    | 390                  |
| 861560163019016    | 6 x 7     | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 7.48 - 8.74            | 7.48 - 8.11                                 | 8.07 - 8.74                                | 260                    | 390                  |
| 861560163021716    | 6 x 8     | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 8.54 - 9.84            | 8.54 - 9.17                                 | 9.13 - 9.84                                | 260                    | 390                  |
| 861560190021716    | 7 x 8     | 7.48 - 8.74          | 7.48 - 8.11                            | 8.07 - 8.74                           | 8.54 - 9.84            | 8.54 - 9.17                                 | 9.13 - 9.84                                | 260                    | 390                  |
| 861560217027216    | 8 x 10    | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 10.70 - 12.00          | 10.70 - 11.37                               | 11.33 - 12.00                              | 260                    | 390                  |
| 861560217027816    | 8 x 10    | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 10.96 - 12.26          | 10.96 - 11.63                               | 11.59 - 12.26                              | 260                    | 390                  |
| 861560272031516    | 10 x 12   | 10.70 - 12.00        | 10.70 - 11.37                          | 11.33 - 12.00                         | 12.40 - 13.66          | 12.40 - 13.03                               | 12.99 - 13.66                              | 260                    | 390                  |
| 861560278031516    | 10 x 12   | 10.96 - 12.26        | 10.96 - 11.63                          | 11.59 - 12.26                         | 12.40 - 13.66          | 12.40 - 13.03                               | 12.99 - 13.66                              | 260                    | 390                  |
| 861560315033416    | 12 x 12   | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 13.15 - 14.41          | 13.15 - 13.78                               | 13.74 - 14.41                              | 260                    | 390                  |
| 861560315035316    | 12 x 14   | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 13.90 - 16.00          | 13.90 - 15.00                               | 14.92 - 16.00                              | 260                    | 390                  |
| 861560315037816    | 12 x 14   | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 15.00 - 17.10          | 15.00 - 16.10                               | 16.02 - 17.10                              | 260                    | 390                  |
| 861560334037816    | 12 x 14   | 13.15 - 14.41        | 13.15 - 13.78                          | 13.74 - 14.41                         | 15.00 - 17.10          | 15.00 - 16.10                               | 16.02 - 17.10                              | 260                    | 390                  |
| 861560378043416    | 14 x 16   | 15.00 - 17.10        | 15.00 - 16.10                          | 16.02 - 17.10                         | 17.10 - 19.20          | 17.10 - 18.19                               | 18.11 - 19.20                              | 260                    | 390                  |
| 861560434048816    | 16 x 18   | 17.10 - 19.20        | 17.10 - 18.19                          | 18.11 - 19.20                         | 19.20 - 21.30          | 19.20 - 20.29                               | 20.21 - 21.30                              | 232                    | 350                  |
| 861560488054016    | 18 x 20   | 19.20 - 21.30        | 19.20 - 20.29                          | 20.21 - 21.30                         | 21.25 - 23.35          | 21.25 - 22.35                               | 22.27 - 23.35                              | 232                    | 350                  |
| 861560540060616    | 20 x 24   | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 23.85 - 25.95          | 23.85 - 24.96                               | 24.88 - 25.95                              | 232                    | 350                  |
| 861560540062416    | 20 x 24   | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 24.60 - 26.70          | 24.60 - 25.67                               | 25.59 - 26.70                              | 232                    | 350                  |

# HYMAX<sup>®</sup> PRODUCT

## HYMAX THREADED OUTLET

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, and with varying diameters of up to 2.1".



Nominal Pipe Size  
1.5" - 60"  
(14" - 60" Made to Order)

| Krausz Part Number | ND (inch) | Outlet Options (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|-----------------------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 865-56-01041-16    | 1.5       | 1                     | 1.61-2.13            | 1.61-1.97                              | 1.96-2.13                             | 260                    | 390                  |
| 865-56-XX054-16    | 2         | 1 - 1.5               | 2.10-3.03            | 2.10-2.60                              | 2.56-3.03                             | 260                    | 390                  |
| 865-56-XX088-16    | 3         | 1 - 2                 | 3.46-4.33            | 3.46-3.90                              | 3.86-4.33                             | 260                    | 390                  |
| 865-56-XX108-16    | 4         | 1 - 2                 | 4.25-5.63            | 4.25-5.00                              | 4.92-5.63                             | 260                    | 390                  |
| 865-56-XX163-16    | 6         | 1 - 4                 | 6.42-7.68            | 6.42-7.05                              | 7.01-7.68                             | 260                    | 390                  |
| 865-56-XX217-16    | 8         | 1 - 4                 | 8.54-9.84            | 8.54-9.17                              | 9.13-9.84                             | 260                    | 390                  |
| 865-56-XX272-16    | 10        | 1 - 4                 | 10.70-12.00          | 10.70-11.37                            | 11.33-12.00                           | 260                    | 390                  |
| 865-56-XX278-16    | 10        | 1 - 4                 | 10.96-12.26          | 10.96-11.63                            | 11.59-12.26                           | 260                    | 390                  |
| 865-56-XX315-16    | 12        | 1 - 4                 | 12.40-13.66          | 12.40-13.03                            | 12.99-13.66                           | 260                    | 390                  |
| 865-56-XX334-16    | 12        | 1 - 4                 | 13.15-14.41          | 13.15-13.78                            | 13.74-14.41                           | 260                    | 390                  |

For example 865-56-XX163-16 may be :

| Krausz Part Number | ND (inch) | Outlet | Outlet L1 (inch) |
|--------------------|-----------|--------|------------------|
| 865-56-01163-16    | 6         | 1      | 2.38             |
| 865-56-15163-16    | 6         | 1.5    | 3.12             |
| 865-56-02163-16    | 6         | 2      | 3.38             |
| 865-56-03163-16    | 6         | 3      | 4.25             |
| 865-56-04163-16    | 6         | 4      | 4.75             |

## HYMAX FLANGE OUTLET

HYMAX Flange Outlet provides effective outlet solutions for a wide variety of piping types and diameters, joining pipes made of the same or different materials, and with varying diameters of up to 2.1".



Nominal Pipe Size  
1.5" - 60" Made to Order

# SPECIFICATIONS

## HYMAX ELBOW

Wide-range HYMAX Elbow joins two pipes of the same or different diameters and materials, with an elbow of up to 90° angle.



Nominal Pipe Size  
2" - 24"  
(14" - 24" Made to Order)

## Hymax 45° Elbow

| Krausz Part Number | ND (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 869-56-45054-16    | 2         | 2.10-3.03            | 2.10-2.60                              | 2.56-3.03                             | 260                    | 390                  |
| 869-56-45088-16    | 3         | 3.46-4.33            | 3.46-3.90                              | 3.86-4.33                             | 260                    | 390                  |
| 869-56-45108-16    | 4         | 4.25-5.63            | 4.25-5.00                              | 4.92-5.63                             | 260                    | 390                  |
| 869-56-45130-16    | 5         | 5.12-6.38            | 5.12-5.75                              | 5.71-6.38                             | 260                    | 390                  |
| 869-56-45163-16    | 6         | 6.42-7.68            | 6.42-7.05                              | 7.01-7.68                             | 260                    | 390                  |
| 869-56-45190-16    | 7         | 7.48-8.74            | 7.48-8.11                              | 8.07-8.74                             | 260                    | 390                  |
| 869-56-45217-16    | 8         | 8.54-9.84            | 8.54-9.17                              | 9.13-9.84                             | 260                    | 390                  |
| 869-56-45272-16    | 10        | 10.70-12.00          | 10.70-11.37                            | 11.33-12.00                           | 260                    | 390                  |
| 869-56-45278-16    | 10        | 10.96-12.26          | 10.96-11.63                            | 11.59-12.26                           | 260                    | 390                  |
| 869-56-45315-16    | 12        | 12.40-13.66          | 12.40-13.03                            | 12.99-13.66                           | 260                    | 390                  |
| 869-56-45334-16    | 12        | 13.15-14.41          | 13.15-13.78                            | 13.74-14.41                           | 260                    | 390                  |

## Hymax 90° Elbow

| Krausz Part Number | ND (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 869-56-90054-16    | 2         | 2.10-3.03            | 2.10-2.60                              | 2.56-3.03                             | 260                    | 390                  |
| 869-56-90088-16    | 3         | 3.46-4.33            | 3.46-3.90                              | 3.86-4.33                             | 260                    | 390                  |
| 869-56-90108-16    | 4         | 4.25-5.63            | 4.25-5.00                              | 4.92-5.63                             | 260                    | 390                  |
| 869-56-90130-16    | 5         | 5.12-6.38            | 5.12-5.75                              | 5.71-6.38                             | 260                    | 390                  |
| 869-56-90163-16    | 6         | 6.42-7.68            | 6.42-7.05                              | 7.01-7.68                             | 260                    | 390                  |
| 869-56-90190-16    | 7         | 7.48-8.74            | 7.48-8.11                              | 8.07-8.74                             | 260                    | 390                  |
| 869-56-90217-16    | 8         | 8.54-9.84            | 8.54-9.17                              | 9.13-9.84                             | 260                    | 390                  |
| 869-56-90272-16    | 10        | 10.70-12.00          | 10.70-11.37                            | 11.33-12.00                           | 260                    | 390                  |
| 869-56-90278-16    | 10        | 10.96-12.26          | 10.96-11.63                            | 11.59-12.26                           | 260                    | 390                  |
| 869-56-90315-16    | 12        | 12.40-13.66          | 12.40-13.03                            | 12.99-13.66                           | 260                    | 390                  |
| 869-56-90334-16    | 12        | 13.15-14.41          | 13.15-13.78                            | 13.74-14.41                           | 260                    | 390                  |

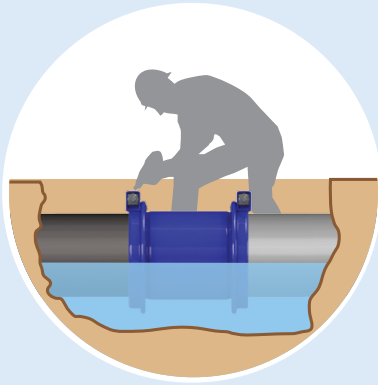
## HYMAX CATHODIC

Wide-range HYMAX Coupling with cathodic anti-corrosion protection feature connects two pipes of the same or different diameters and materials.



Nominal Pipe Size  
2" - 24"  
(26" - 60" Made to Order)

| Krausz Part Number | ND (inch) | Overall Range (inch) | Before removing the inner layer (inch) | After removing the inner layer (inch) | Working Pressure (PSI) | Rated Pressure (PSI) |
|--------------------|-----------|----------------------|----------------------------------------|---------------------------------------|------------------------|----------------------|
| 888-56-0041-16     | 1.5       | 1.61 - 2.13          | 1.61 - 1.97                            | 1.96 - 2.13                           | 260                    | 390                  |
| 888-56-0054-16     | 2         | 2.10 - 3.03          | 2.10 - 2.60                            | 2.56 - 3.03                           | 260                    | 390                  |
| 888-56-0088-16     | 3         | 3.46 - 4.33          | 3.46 - 3.90                            | 3.86 - 4.33                           | 260                    | 390                  |
| 888-56-0108-16C    | 4         | 4.25 - 5.63          | 4.25 - 5.00                            | 4.92 - 5.63                           | 260                    | 390                  |
| 888-56-0130-16     | 5         | 5.12 - 6.38          | 5.12 - 5.75                            | 5.71 - 6.38                           | 260                    | 390                  |
| 888-56-0163-16     | 6         | 6.42 - 7.68          | 6.42 - 7.05                            | 7.01 - 7.68                           | 260                    | 390                  |
| 888-56-0190-16     | 7         | 7.48 - 8.74          | 7.48 - 8.11                            | 8.07 - 8.74                           | 260                    | 390                  |
| 888-56-0217-16     | 8         | 8.54 - 9.84          | 8.54 - 9.17                            | 9.13 - 9.84                           | 260                    | 390                  |
| 888-56-0272-16     | 10        | 10.70 - 12.00        | 10.70 - 11.37                          | 11.33 - 12.00                         | 260                    | 390                  |
| 888-56-0278-16     | 10        | 10.96 - 12.26        | 10.96 - 11.63                          | 11.59 - 12.26                         | 260                    | 390                  |
| 888-56-0315-16     | 12        | 12.40 - 13.66        | 12.40 - 13.03                          | 12.99 - 13.66                         | 260                    | 390                  |
| 888-56-0334-16     | 12        | 13.15 - 14.41        | 13.15 - 13.78                          | 13.74 - 14.41                         | 260                    | 390                  |
| 888-56-0378-16P    | 14        | 15.00 - 17.10        | 15.00 - 16.10                          | 16.02 - 17.10                         | 260                    | 390                  |
| 888-56-0434-16P    | 16        | 17.10 - 19.20        | 17.10 - 18.19                          | 18.11 - 19.20                         | 260                    | 390                  |
| 888-56-0488-16P    | 18        | 19.20 - 21.30        | 19.20 - 20.29                          | 20.21 - 21.30                         | 232                    | 350                  |
| 888-56-0497-16P    | 20        | 19.60 - 21.70        | 19.60 - 20.69                          | 20.61 - 21.70                         | 232                    | 350                  |
| 888-56-0540-16P    | 20        | 21.25 - 23.35        | 21.25 - 22.35                          | 22.27 - 23.35                         | 232                    | 350                  |
| 888-56-0606-16P    | 24        | 23.85 - 25.95        | 23.85 - 24.96                          | 24.88 - 25.95                         | 232                    | 350                  |
| 888-56-0624-16P    | 24        | 24.60 - 26.70        | 24.60 - 25.67                          | 25.59 - 26.70                         | 232                    | 350                  |



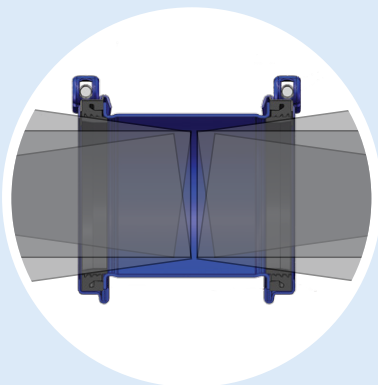
## Fast and easy installation

- 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 1.5" - 60" nominal pipe size.
- All products work with a variety of pipe materials: ductile iron, cast iron, steel, copper, PE, PVC, AC, and GRP.
- One single product can connect pipes of two different materials, allowing transition capability of up to 2.1".



## Flexible connection

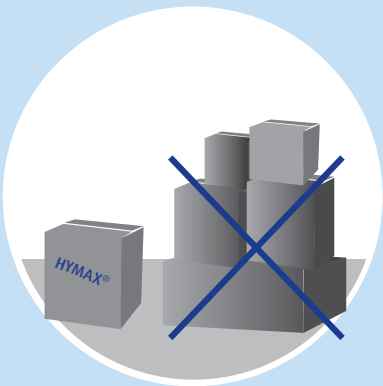
- Allows for up to 4° angular deflection on each end, as well as for misaligned pipes.
- Absorbs post-installation dynamic pipe deflection of up to 4° on each end, reducing the risk of damage and cracking due to ground shifts and temperature changes.
- Adapts to out-of-round pipe shape (up to 0.51"), for optimum fit on both ends.

# FAMILY FEATURES



## High durability

- High-quality sealing solution – patented hydraulically-assisted gasket features two-stage sealing: mechanical sealing that is effective under vacuum or non-pressure; and self-inflated 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.
- Monoblock design delivers fortified strength and enhanced flexibility.



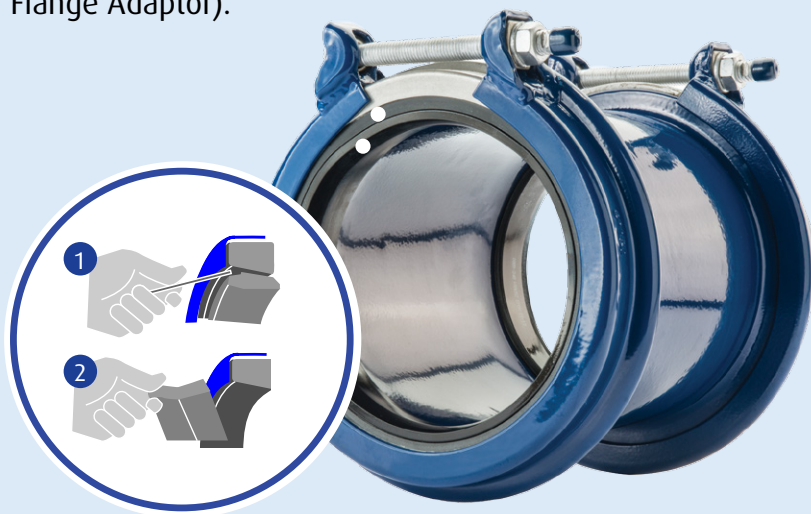
## Cost-saving

- 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.



## HYMAX® Product Information

1. HYMAX meets or exceeds all specifications of AWWA Standard C219, NSF-61 and NSF-372.
2. Center Ring:
  - 1.5" – 12": ASTM A53 Grade A Steel.
  - 14" – 60": ASTM A283/A283M Grade C Steel.
3. End ring: ASTM A283/A283M Grade C Steel.
4. Gaskets: EPDM compounded for water and sewage, meets NSF-61 and NSF-372 standards for contact with drinking water.
5. Nuts and bolts: ANSI 304 Stainless Steel. Rolled thread and Molecular Anti Galling (MAG) treatment.
6. Bridge: ANSI 304 Stainless Steel.
7. Coating: 100% fusion bonded epoxy for enhanced corrosion protection. Average thickness 14 mil, meets NSF-61 and NSF-372 standards.
8. Deflection up to 4° per side (one side only for Flange Adaptor).
9. Working pressure: up to 260 PSI.
10. Rated pressure: up to 390 PSI.
11. Working temperature: -20°F up to +125°F.



\* Data may vary according to product type and size. For product specification sheet please refer to our website: [www.krauszusa.com](http://www.krauszusa.com)

Two Layer Gasket allows adjusting to pipe diameter

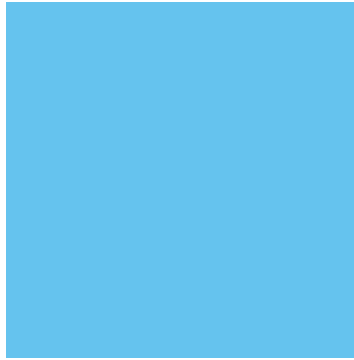
# 90 YEARS OF INNOVATIVE PIPE JOIN AND REPAIR SOLUTIONS



For 90 years, Krausz, the creator of HYMAX has developed and manufactured market-leading products for the repair and connection of different pipe types in the potable water and sewerage markets.

We have a solid reputation selling a wide variety of innovative, easy-to-use, durable products that save time and reduce inventory.





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 **KRAUSZ** is the creator of HYMAX