



# HYMAX<sup>®</sup> VERSA COUPLING

(1.5"-70")

**HYMAX<sup>®</sup>**  
Repair the past. Connect the future.

## PRODUCT SPECIFICATIONS

### FEATURES

- UNIQUE VERSATILE COUPLING, CAN BE STAB FIT OR WRAPPED AROUND PIPE
- DURABLE STAINLESS STEEL, MONOBLOCK DESIGN
- ALLOWS 3° DYNAMIC DEFLECTION PER END, REDUCING FUTURE PIPE DAMAGE
- FAST AND EASY TO INSTALL
- SUBSTANTIALLY REDUCES INVENTORY
- DURABLE UNDER EXTREME CONDITIONS
- 1.5"-24" – ONE CLOSING MECHANISM. 26"-70" – TWO CLOSING MECHANISMS
- AVAILABLE IN STANDARD AND HIGH-PRESSURE VERSIONS.

### SPECIFICATIONS

#### STANDARDS

HYMAX VERSA MEETS OR EXCEEDS STANDARDS AWWA C-219, AWWA C-227, NSF 61, NSF 372, EN-681.

#### SIZE/LENGTH

AVAILABLE IN NOMINAL DIAMETER RANGE OF 1.5"-24" STANDARD. 26"-70" MTO (MADE TO ORDER). CURRENTLY SIZES 1.5"-3" ARE AVAILABLE IN 5.5" AND 11" LENGTHS. SIZES 4"-70" ARE AVAILABLE IN 11" LENGTH.

#### MATERIALS

##### BODY

STAINLESS STEEL AISI 304.

##### LUG MATERIAL

1.5"-12" - POLYCARBONATE.  
14"-70" - REG. PRESSURE RETAINERS MADE OF POLYCARBONATE, OR -  
14"-70" - HIGH PRESSURE RETAINERS MADE OF STAINLESS STEEL.  
CASTING TYPE AISI 304 (ASTM-A351-CF8).

##### COMPRESSION BEAM & ADJUSTING PIN

CASTING AISI 304/304L OF ASTM-A351-CF8.

##### GASKET

EPDM COMPOUNDED FOR WATER AND SEWERAGE, MEETS INTERNATIONAL STANDARDS FOR CONTACT WITH DRINKING WATER.

##### GASKET BRIDGE

AISI 304 STAINLESS STEEL.

##### INNER PLATE

AISI 304 STAINLESS STEEL.

##### INNER PLATE ATTACHMENT

1.5"-24" - CONNECTED TO THE BODY BY REINFORCED BOLTS MANUFACTURED OF ULTEM RESIN 1000 WITH INSERT SOCKET SET SCREW AISI 316.  
24"-70" - AISI 304 STAINLESS STEEL (SPECIAL BOLTS, NUTS AND WASHERS).

**PRODUCT PERFORMANCE (\*)**

<b>WORKING TEMPERATURE</b>	-20°F UP TO +180°F
<b>DYNAMIC DEFLECTION</b>	3° ON EACH SIDE
<b>TRANSITION CAPABILITY</b>	UP TO 0.4". SEE SUBMITTAL DRAWINGS FOR DETAILS.
<b>MIN. PIPE INSERTION</b>	FROM 1.8" - 3". SEE SUBMITTAL DRAWINGS FOR DETAILS.
<b>MAX. WIDTH OF CRACK OR HOLE</b>	PRODUCT LENGTH (IN)   5.5   11 WIDTH OF CRACK (IN)   2.5   8
<b>MAX. OUT OF ROUNDNESS</b>	1.5"- 5"      6"- 24"      26"- 70" 0.24"          0.31"          0.2"
<b>MAXIMUM OFFSET FOR MISALIGNED PIPES</b>	UP TO 0.25" IN LENGTH 5.5" UP TO 0.4" IN LENGTH 11"

<b>WORKING / RATED PRESSURE</b>	<b>1.5"-5"</b>		<b>6"-20"</b>		<b>24"</b>		<b>26"-70"</b> SEE SUBMITTAL DRAWINGS FOR DETAILS
	WORKING PRESSURE	RATED PRESSURE	WORKING PRESSURE	RATED PRESSURE	WORKING PRESSURE	RATED PRESSURE	
REG. PRESSURE	232	350	175	262	160	240	
HIGH PRESSURE	348	522	232	350	232	350	

\* CONTACT KRAUSZ FOR DETAILS.

**PRODUCT TABLES**

**HYMAX VERSA NOMINAL SIZES 1.5"-3" / LENGTH 5.5"**

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
111-56-0045-16	1.5	1.77-2.24	2-M12	35	4.23
111-56-0052-16	2	2.05-2.52	2-M12	35	4.34
111-56-0059-16	2	2.32-2.79	2-M12	35	4.5
111-56-0071-16	2.5	2.79-3.31	2-M12	35	4.72
111-56-0081-16	3	3.19-3.67	2-M12	35	4.83

**HYMAX VERSA NOMINAL SIZES 1.5"-3" / LENGTH 5.5" HIGH PRESSURE**

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
111-56-0045-24	1.5	1.77-2.24	2-M12	35	4.45
111-56-0052-24	2	2.05-2.52	2-M12	35	4.61
111-56-0059-24	2	2.32-2.79	2-M12	35	4.78
111-56-0071-24	2.5	2.79-3.31	2-M12	35	5.07
111-56-0081-24	3	3.19-3.67	2-M12	35	5.14

## PRODUCT TABLES

### HYMAX VERSA NOMINAL SIZES 6"-12" / LENGTH 11"

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Before removal of the inner layer (inch)	After removal of the inner layer (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)
283-56-0163-12	6	6.42-7.68	6.42-7.12	7.01-7.68	4-M14	65
283-56-0190-12	7	7.48-8.74	7.48-8.11	8.07-8.74	4-M14	65
283-56-0217-12	8	8.54-9.84	8.54-9.3	9.13-9.84	4-M14	65
283-56-0248-12	10	9.76-11.02	9.76-10.39	10.35-11.02	4-M14	65
283-56-0272-12	10	10.7-12	10.7-11.37	11.33-12	4-M16	80
283-56-0278-12	10	10.96-12.26	10.96-11.63	11.59-12.26	4-M16	80
283-56-0320-12	12	12.58-13.84	12.58-13.21	13.15-13.84	4-M16	80
283-56-0334-12	12	13.15-14.41	13.15-13.78	13.74-14.41	4-M16	80

### HYMAX VERSA NOMINAL SIZES 6"-12" / LENGTH 11" HIGH PRESSURE

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Before removal of the inner layer (inch)	After removal of the inner layer (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)
283-56-0163-16	6	6.42-7.68	6.42-7.12	7.01-7.68	4-M14	90
283-56-0190-16	7	7.48-8.74	7.48-8.11	8.07-8.74	4-M14	90
283-56-0217-16	8	8.54-9.84	8.54-9.3	9.13-9.84	4-M14	90
283-56-0248-16	10	9.76-11.02	9.76-10.39	10.35-11.02	4-M14	100
283-56-0272-16	10	10.7-12	10.7-11.37	11.33-12	4-M16	100
283-56-0278-16	10	10.96-12.26	10.96-11.63	11.59-12.26	4-M16	100
283-56-0320-16	12	12.58-13.84	12.58-13.21	13.15-13.84	4-M16	100
283-56-0334-16	12	13.15-14.41	13.15-13.78	13.74-14.41	4-M16	100

### HYMAX VERSA NOMINAL SIZES 14"-24" / LENGTH 11"

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Before removal of the inner layer (inch)	After removal of the inner layer (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)
283-56-0387-12	14	15.22-16.48	15.22-15.85	15.84-16.48	4-M16	90
283-56-0398-12	14	15.69-16.95	15.69-16.32	16.31-16.95	4-M16	90
283-56-0435-12	16	17.11-18.37	17.11-17.74	17.73-18.37	4-M16	90
283-56-0440-12	16	17.32-18.66	17.32-17.95	17.90-18.66	4-M16	110
283-56-0481-12	16	18.93-20.20	18.93-19.56	19.55-20.20	4-M16	110
283-56-0493-12	18	19.42-20.68	19.42-20.06	20.05-20.68	4-M16	110
283-56-0531-12	18	20.90-22.16	20.90-21.53	21.52-22.16	4-M16	110
283-56-0562-12	20	22.14-23.40	22.14-22.77	22.76-23.40	4-M16	150
283-56-0599-12	20	23.60-24.86	23.60-24.24	24.22-24.86	4-M16	150
283-56-0634-11	24	24.98-26.24	24.98-25.61	25.60-26.24	4-M16	150
283-56-0653-11	24	25.72-26.98	25.72-26.37	26.35-26.98	4-M16	150
283-56-0688-11	24	27.08-28.36	27.08-27.71	27.70-28.36	4-M16	150