



HYMAX[®] VERSA COUPLING

(1.5"-70")

HYMAX[®]
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 (*)

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

WORKING / RATED PRESSURE	1.5"-5"		6"-20"		24"		26"-70" 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 1.5"-3" / LENGTH 11"

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
113-56-0045-16	1.5	1.77-2.24	4-M12	35	8.6
113-56-0052-16	2	2.05-2.52	4-M12	35	8.82
113-56-0059-16	2	2.32-2.79	4-M12	35	9.26
113-56-0071-16	2.5	2.79-3.31	4-M12	35	9.7
113-56-0081-16	3	3.19-3.67	4-M12	35	9.92

HYMAX VERSA NOMINAL SIZES 1.5"-3" / LENGTH 11" HIGH PRESSURE

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
113-56-0045-24	1.5	1.77-2.24	4-M12	35	9.04
113-56-0052-24	2	2.05-2.52	4-M12	35	9.26
113-56-0059-24	2	2.32-2.79	4-M12	35	9.7
113-56-0071-24	2.5	2.79-3.31	4-M12	35	10.14
113-56-0081-24	3	3.19-3.67	4-M12	35	10.36

HYMAX VERSA NOMINAL SIZES 3"-5" / LENGTH 11"

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
283-56-0087-16	3	3.42-4.3	4-M14	50	15.2
283-56-0108-16	4	4.25-5.15	4-M14	50	16.1
283-56-0113-16	4	4.44-5.35	4-M14	50	16.3
283-56-0121-16	4	4.76-5.67	4-M14	50	16.5
283-56-0138-16	5	5.43-6.3	4-M14	50	18.5
283-56-0147-16	5	5.78-6.65	4-M14	50	19

HYMAX VERSA NOMINAL SIZES 3"-5" / LENGTH 11" HIGH PRESSURE

Krausz Part Number	Nominal Diameter (inch)	Overall Range (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
283-56-0087-24	3	3.42-4.3	4-M14	60	16.2
283-56-0108-24	4	4.25-5.15	4-M14	60	17.2
283-56-0113-24	4	4.44-5.35	4-M14	60	17.44
283-56-0121-24	4	4.76-5.67	4-M14	60	17.7
283-56-0138-24	5	5.43-6.3	4-M14	60	18.5
283-56-0147-24	5	5.78-6.65	4-M14	60	19

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

PRODUCT TABLES

HYMAX VERSA NOMINAL SIZES 14"-24" / 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)
283-56-0387-16S	14	15.22-16.48	15.22-15.85	15.84-16.48	4-M16	105
283-56-0398-16S	14	15.69-16.95	15.69-16.32	16.31-16.95	4-M16	105
283-56-0435-16S	16	17.11-18.37	17.11-17.74	17.73-18.37	4-M16	105
283-56-0440-16S	16	17.32-18.66	17.32-17.95	17.90-18.66	4-M16	125
283-56-0481-16S	16	18.93-20.20	18.93-19.56	19.55-20.20	4-M16	125
283-56-0493-16S	18	19.42-20.68	19.42-20.06	20.05-20.68	4-M16	125
283-56-0531-16S	18	20.90-22.16	20.90-21.53	21.52-22.16	4-M16	125
283-56-0562-16S	20	22.14-23.40	22.14-22.77	22.76-23.40	4-M16	160
283-56-0599-16S	20	23.60-24.86	23.60-24.24	24.22-24.86	4-M16	160
283-56-0634-16S	24	24.98-26.24	24.98-25.61	25.60-26.24	4-M16	160
283-56-0653-16S	24	25.72-26.98	25.72-26.37	26.35-26.98	4-M16	160
283-56-0688-16S	24	27.08-28.36	27.08-27.71	27.70-28.36	4-M16	160

HYMAX VERSA NOMINAL SIZES 26"-70" / LENGTH 11"

Per Request	Nominal Diameter (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Working Pressure (PSI)	Rated Pressure (PSI)
Available in all size variations while keeping a range of 0.4"	26 - 28	8-M16	100	100	150
	28 - 38	8-M16	165	100	150
	38 - 48	8-M16	200	72	108
	48 - 54	8-M16	200	58	87
	54 - 66	8-M16	200	43	64
	66 - 70	8-M16	200	29	43

HYMAX VERSA NOMINAL SIZES 26"-70" / LENGTH 11" HIGH PRESSURE

Per Request	Nominal Diameter (inch)	Bolt Qty. and Size (mm)	Torque (Ft-Lbs)	Working Pressure (PSI)	Rated Pressure (PSI)
Available in all size variations while keeping a range of 0.4"	26 - 28	8-M16	115	232	348
	28 - 30	8-M16	190	203	305
	30 - 34	8-M16	190	174	260
	34 - 38	8-M16	190	150	220
	38 - 42	8-M16	210	150	220
	42 - 50	8-M16	210	116	174
	50 - 54	8-M16	210	87	130
	54 - 66	8-M16	210	72	108
	66 - 70	8-M16	210	58	87