



HYMAX[®]

(40mm - 1500mm COUPLING)



PRODUCT SPECIFICATIONS

FEATURES

- GAME-CHANGING WIDE-RANGE COUPLING, PROVEN IN MILLIONS OF INSTALLATIONS WORLDWIDE
- SUITABLE FOR ALL PIPES - DUCTILE IRON, CAST IRON, STEEL, PE, PVC, AC, GRP
- PATENTED PROGRESSIVE PRESSURE-ASSISTED GASKET WITH 2-STAGE SEALING
- LIGHTWEIGHT CONSTRUCTION ENABLES FAST AND EASY INSTALLATION
- ALLOWS 4° DYNAMIC DEFLECTION ON EACH END, REDUCING FUTURE PIPE DAMAGE
- ONE PRODUCT CAN CONNECT PIPES OF TWO DIFFERENT MATERIALS

SPECIFICATIONS (*)

STANDARDS

ALL PRODUCTS MEET OR EXCEED STANDARDS NSF-61 AND NSF-372.

SIZE

AVAILABLE IN NOMINAL DIAMETER SIZES 40mm - 1500mm.

MATERIALS

END RINGS

40mm - 300mm: S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100).
350mm - 400mm: S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100).
(OR DUCTILE IRON CASTING ASTM A536 GRADE 60-40-18).
450mm - 1500mm: S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100).

CENTER RING

40mm - 300mm: P235 GRADE STEEL, IN ACCORDANCE WITH EN 10217-1.
350mm - 1500mm: S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100).

GASKET

EPDM COMPOUNDED FOR WATER AND SEWERAGE. MEETS INTERNATIONAL STANDARDS FOR CONTACT WITH DRINKING WATER: NSF-61, KTW, W270, XP P 41-250, AND BS 6920. MEETS DIN EN 681-1 FOR WATER AND DRAINAGE APPLICATIONS.

BRIDGE

AISI 304 STAINLESS STEEL.

SPHERICAL SPACERS

AISI 304L STAINLESS STEEL.

COATING

100% FUSION BONDED EPOXY FOR ENHANCED CORROSION PROTECTION. AVERAGE THICKNESS 250 MICRON. MEETS NSF-61, BS 6920, ONORM B 5014-1, XP P 41-250, AS/NZS 4020, AND UBA-COATINGS GUIDELINE.

NUTS AND BOLTS

AISI 304 STAINLESS STEEL. ROLLED THREAD AND ANTI-GALLING COATING.

* For details about Made to Order (MTO) products please contact your KRAUSZ distributor.

PRODUCT PERFORMANCE (*)

WORKING TEMPERATURE

EPDM GASKET

CONTINUOUS OPERATION | -30°C UP TO +85°C
SHORT TIME OPERATION | -30°C UP TO +100°C

EPOXY COATING

ABOVE GROUND APPLICATIONS | UP TO +50°C
BELOW GROUND APPLICATIONS | UP TO +65°C

DYNAMIC DEFLECTION

UP TO 4° PER SIDE

MIN. PIPE INSERTION

40mm – 300mm
55mm

350mm – 1200mm
100mm

1200mm – 1500mm
150mm

MAXIMUM OFFSET FOR MISALIGNED PIPES

40mm – 80mm
10mm

100MM – 1500mm
13mm

MAXIMUM OUT OF ROUNDNESS

40mm
2mm

50mm – 80m
5mm

100mm – 300mm
8mm

350mm – 1500mm
13mm

WORKING PRESSURE

40mm – 600mm
16 BAR

650mm – 1500mm

CONTACT KRAUSZ DISTRIBUTOR FOR DETAILS

RATED PRESSURE

1.5 X WORKING PRESSURE

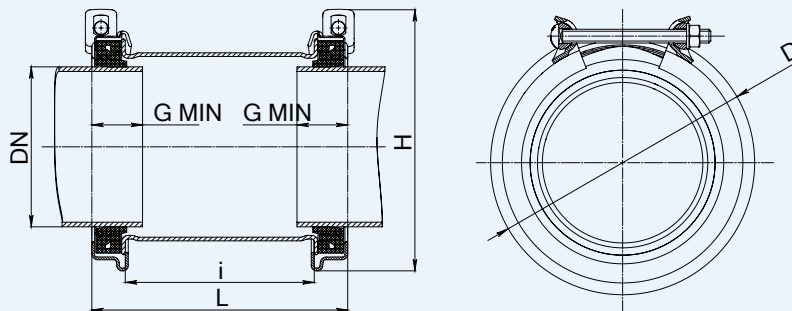
VACUUM TEST

0.8 BAR

* See Submittal Drawings For Details.

PRODUCT TABLES

HYMAX Coupling 40-300

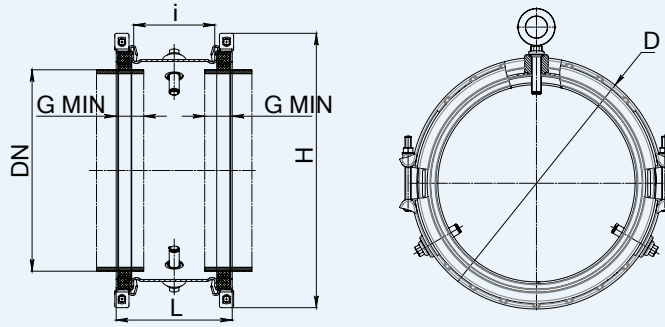


HYMAX COUPLING NOMINAL SIZES 40-300mm

Krausz Part Number	DN (mm)	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	D (mm)	H (mm)	i (mm)	L (mm)	Bolts Qty. -Size	Torque (Nm)	Approx. Weight (kg)
860-825-0041-16	40	41-54	41-50.5	50-54	Ø100	130	100	156	2 -M12	45	2.4
860-825-0054-16	50	54-77	54-66	65-77	Ø133	165	100	172	2 -M12	60	3.4
860-825-0088-16	80	88-108	88-99	98-108	Ø170	200	150	222	2 -M12	60	4.9
860-825-0108-16C	100	108-143	108-126	125-143	Ø220	250	150	223	2 -M14	80	6.0
860-825-0130-16	125	130-162	130-146	145-162	Ø240	270	205	275	2 -M14	80	7.6
860-825-0158-16	150	158-190	158-174	173-190	Ø270	295	205	275	2 -M14	80	9.3
860-825-0163-16	150 o.s.	163-195	163-179	178-195	Ø273	298	205	275	2 -M14	80	9.3
860-825-0190-16	175	190-222	190-206	205-222	Ø298	325	205	275	2 -M14	80	11.5
860-825-0217-16	200	217-250	217-233	232-250	Ø328	355	205	275	2 -M14	80	11.7
860-825-0222-16	200	222-252	222-238	237-252	Ø328	355	205	275	2 -M14	80	11.7
860-825-0266-16	250	266-278	266-274.5	274-278	Ø320	358	150	206	2 -M14	80	8.8
860-825-0272-16	250	272-305	272-289	288-305	Ø382	408	205	275	2 -M14	80	12.7
860-825-0278-16	250 o.s.	278-311	278-295	294-311	Ø388	415	205	275	2 -M14	80	12.7
860-825-0315-16	300	315-347	315-331	330-347	Ø422	445	205	275	2 -M14	80	14.0
860-825-0334-16	300 o.s.	334-366	334-350	349-366	Ø440	465	205	275	2 -M14	80	17.5

PRODUCT TABLES

HYMAX Coupling 350-600



HYMAX COUPLING NOMINAL SIZES 350-600mm

Krausz Part Number	DN (mm)	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	D (mm)	H (mm)	i (mm)	L (mm)	Bolts Qty. -Size	Torque (Nm)	Approx. Weight (kg)
860-825-0375-16P	350	375-431	375-405	403-431	Ø534	600	205	295	4 -M16	200	35.5
860-825-0378-16P	350 400	378-434	378-408	406-434	Ø534	600	205	295	4 -M16	200	35.5
860-825-0434-16P	400	434-488	434-462	460-488	Ø588	655	205	295	4 -M16	200	40.0
860-825-0488-16P	450 500	488-542	488-516	514-542	Ø642	705	205	295	4 -M16	200	43.0
860-825-0540-16P	500 550	540-594	540-568	566-594	Ø694	760	205	295	4 -M16	200	46.0
860-825-0606-16P	600	606-660	606-634	632-660	Ø760	825	205	295	4 -M16	200	52.0
860-825-0624-16P	600	624-678	624-652	650-678	Ø778	845	205	295	4 -M16	200	52.0

HYMAX COUPLING NOMINAL SIZES 650-1500mm (*)

DN - 650 up to 1500 mm with range of 54 mm	DN (mm)	Bolts Qty. -Size	Torque (Nm)	Working Pressure (bar)	Rated Pressure (bar)
	650-900	4-1"NCx350	300	12	18
	900-1000	4-1"NCx350	400	12	18
	1000-1300	4-1"NCx350	400	10	15
	1300-1350	4-1"NCx350	450	10	15
	1350-1500	4-1"NCx350	450	8	12

* Contact your KRAUSZ distributor for more details.