



DN40 - DN300
Flip gasket

DN350 - DN1,300
Detachable gasket

HYMAX® COUPLING¹ (DN40 - DN1300)

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
- T-HANDLE FOR EASIER LIFTING AND SLIDING OVER THE PIPE (EXISTS IN SIZES DN40 - DN300 ONLY)

SPECIFICATIONS²

STANDARDS³

ALL PRODUCTS MEET OR EXCEED STANDARDS NSF-61 AND NSF-372.
PRODUCTS UP TO DN300 WERE APPROVED BY 3RD PARTY ILAC LAB ACCORDING TO EN 14525.

SIZE

AVAILABLE IN NOMINAL DIAMETER SIZES DN40 - DN1300.

MATERIALS

END RINGS	DN40 - DN300:	S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100).
	DN350 - DN400:	S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100). (OR DUCTILE IRON CASTING ASTM A536 GRADE 65-45-12).
	DN450 - DN1300:	S235JR GRADE STEEL, IN ACCORDANCE WITH EN 10025-2 (DIN 17100).
CENTER RING	DN40 - DN300:	P235 GRADE STEEL, IN ACCORDANCE WITH EN 10217-1.
	DN350 - DN1300:	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, NSF-372, KTW-UBA ELASTOMER GUIDELINE, W270, XP P 41-250, AS/NZS 4020, AND BS 6920. MEETS DIN EN 681-1 FOR WATER AND DRAINAGE APPLICATIONS.	
BRIDGE	AISI 304/316 STAINLESS STEEL. ⁴	
SPHERICAL SPACERS	AISI 304L/316 STAINLESS STEEL. ⁴	
COATING	100% FUSION BONDED EPOXY FOR ENHANCED CORROSION PROTECTION. MINIMUM THICKNESS 250 MICRON. MEETS NSF-61, BS 6920, ONORM B 5014-1, XP P 41-250, AS/NZS 4020, UBA-COATINGS GUIDELINE, BRL-K759, NSF-372, W270, AND GSK DN40-DN600.	
NUTS AND BOLTS	AISI 304/316 STAINLESS STEEL. ⁴ ROLLED THREAD AND ANTI-GALLING COATING.	

¹ The product is protected by various patents registered in various countries.

² For details about Made to Order (MTO) products please contact your KRAUSZ distributor.

³ For the updated status of the product standards, please contact your local KRAUSZ representative.

⁴ Sizes DN40-DN300 available in AISI 316 stainless steel.

PRODUCT PERFORMANCE

WORKING TEMPERATURE

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

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

DYNAMIC DEFLECTION

DN40-DN1200 UP TO 4° PER SIDE
DN1200-1300 UP TO 3° PER SIDE

MIN. PIPE INSERTION

DN40 – DN300	DN350 – DN1300	DN1200 – DN1300
55mm	100mm	150mm

MAXIMUM OFFSET FOR MISALIGNED PIPES

DN40 – DN80	DN100 – DN1300
10mm	13mm

MAXIMUM OUT OF ROUNDNESS

DN40	DN50 – DN80	DN100 – DN300	DN350 – DN1300
2mm	5mm	8mm	13mm

WORKING PRESSURE

DN40 – DN600	DN650 – DN1300
16 BAR	SEE TABLE BELOW FOR DETAILS

RATED PRESSURE

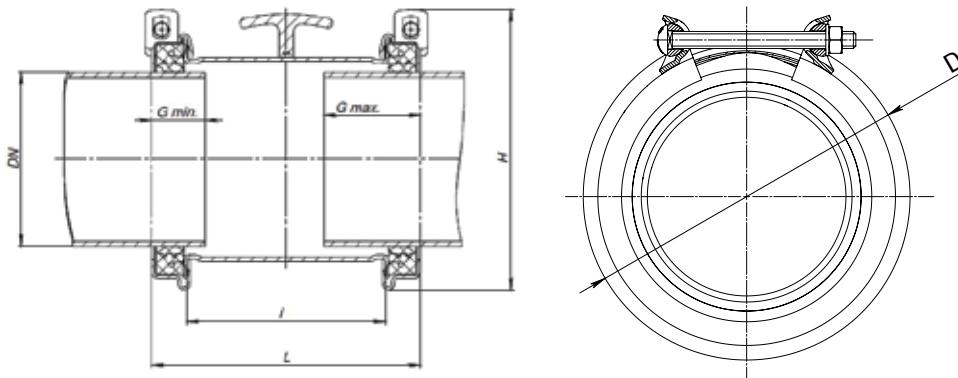
1.5 X WORKING PRESSURE

VACUUM TEST

0.8 BAR

PRODUCT TABLES

HYMAX Coupling DN40 - DN300



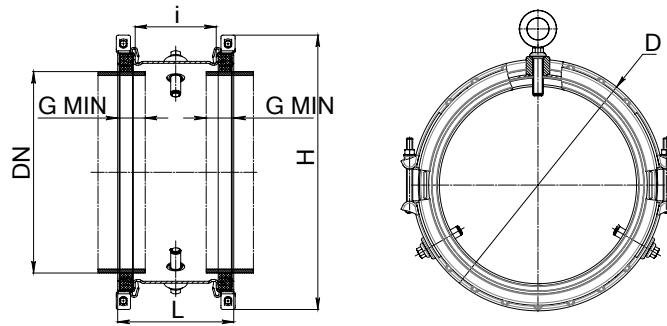
X=6 -> AISI 304 STAINLESS STEEL
X=7 -> AISI 316 STAINLESS STEEL

HYMAX2 COUPLING NOMINAL SIZES DN40 - DN300 (*)

Krausz Part Number	DN	Overall Range (mm)	Range in Closed Gasket Position (mm)	Range in Open Gasket Position (mm)	D (mm)	H (mm)	i (mm)	L (mm)	Bolts Qty. -Size	Torque (Nm)	Approx. Weight (kg)
860-82X-0041-16	40	41-54	41-50.5	50-54	100	130	100	156	2 -M12	45	2.6
860-82X-0054-16	50	54-77	54-66	65-77	133	165	100	172	2 -M12	70	3.4
860-82X-0088-16	80	88-108	88-99	98-108	170	200	150	222	2 -M12	70	4.9
860-82X-0108-16	100	108-143	108-126	125-143	220	250	150	223	2 -M14	80	6.0
860-82X-0130-16	125	130-162	130-146	145-162	240	270	205	275	2 -M14	80	7.6
860-82X-0158-16	150	158-190	158-174	173-190	270	295	205	275	2 -M14	80	9.3
860-82X-0163-16	150 o.s.	163-195	163-179	178-195	273	298	205	275	2 -M14	80	9.3
860-82X-0190-16	175	190-222	190-206	205-222	298	325	205	275	2 -M14	80	11.5
860-82X-0217-16	200	217-250	217-233	232-250	328	355	205	275	2 -M14	80	11.7
860-82X-0272-16	250	272-305	272-289	288-305	382	408	205	275	2 -M14	100	12.7
860-82X-0278-16	250 o.s.	278-311	278-295	294-311	388	415	205	275	2 -M14	100	12.7
860-82X-0315-16	300	315-347	315-331	330-347	422	445	205	275	2 -M14	110	14.0
860-82X-0334-16	300 o.s.	334-366	334-350	349-366	440	465	205	275	2 -M14	110	17.5

PRODUCT TABLES

HYMAX Coupling DN350 - DN600



HYMAX COUPLING NOMINAL SIZES DN350-DN600 (*)

Krausz Part Number	DN	Overall Range (mm)	Range in Closed Gasket Position (mm)	Range in Open Gasket Position (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	534	600	205	295	4 -M16	200	35.5
860-825-0378-16P	350										
860-825-0378-16P	400	378-434	378-408	406-434	534	600	205	295	4 -M16	200	35.5
860-825-0434-16P	400	434-488	434-462	460-488	588	655	205	295	4 -M16	200	40.0
860-825-0488-16P	450										
860-825-0488-16P	500	488-542	488-516	514-542	642	705	205	295	4 -M16	200	43.0
860-825-0540-16P	500										
860-825-0540-16P	550	540-594	540-568	566-594	694	760	205	295	4 -M16	200	46.0
860-825-0606-16P	600	606-660	606-634	632-660	760	825	205	295	4 -M16	200	52.0
860-825-0624-16P	600	624-678	624-652	650-678	778	845	205	295	4 -M16	200	52.0

HYMAX COUPLING NOMINAL SIZES DN650 - DN1300 (*)

DN - 650 up to 1300 mm with range of 54 mm	DN	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

* Contact your KRAUSZ distributor for more details.

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your Repair and Installation Needs.
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