



DN40-DN300: Flip gasket
DN350-DN1400: Detachable gasket

HYMAX® REDUCER¹ (DN40 - DN1400)

PRODUCT SPECIFICATIONS

FEATURES

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

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-DN600 (STANDARD).
DN650-DN1400 ARE MTO (MADE TO ORDER). CONTACT KRAUSZ DISTRIBUTOR FOR DETAILS.

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-DN1400: 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-DN1400: 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, BRL-K759, NSF-372, W270, ONORM B 5014-1, XP P 41-250, AS/NZS 4020, UBA-COATINGS GUIDELINE, AND GSK.
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.

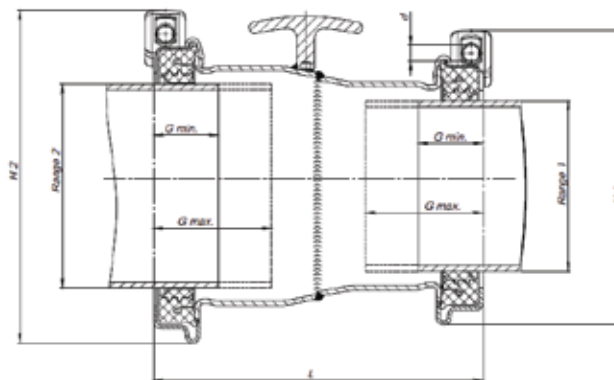
⁴ Sizes DN40-DN300 available in AISI 316 stainless steel.

PRODUCT PERFORMANCE

WORKING TEMPERATURE	EPDM GASKET		EPOXY COATING	
	CONTINUOUS OPERATION	-30°C UP TO +85°C	ABOVE GROUND APPLICATIONS UP TO +50°C	
	SHORT TIME OPERATION	-30°C UP TO +100°C	BELOW GROUND APPLICATIONS UP TO +65°C	
DYNAMIC DEFLECTION	DN40-DN1150	DN1200-DN1400		
	UP TO 4° PER SIDE	UP TO 3° PER SIDE		
MIN. PIPE INSERTION	DN40-DN300	DN350-DN1400		
	55mm	100mm		
MAXIMUM OFFSET FOR MISALIGNED PIPES	DN40-DN80	DN100-DN1400		
	10mm	13mm		
MAXIMUM OUT OF ROUNDNESS	DN40	DN50-DN80	DN100-DN300	DN350-DN1400
	2mm	5mm	8mm	13mm
WORKING PRESSURE	DN40-DN600	DN650-DN1400		
	16 BAR	CONTACT KRAUSZ DISTRIBUTOR FOR DETAILS		
RATED PRESSURE	1.5 X WORKING PRESSURE			
VACUUM TEST	0.8 BAR			

PRODUCT TABLES

HYMAX2 REDUCER DN40-DN300



X=6 -> AISI 304 STAINLESS STEEL

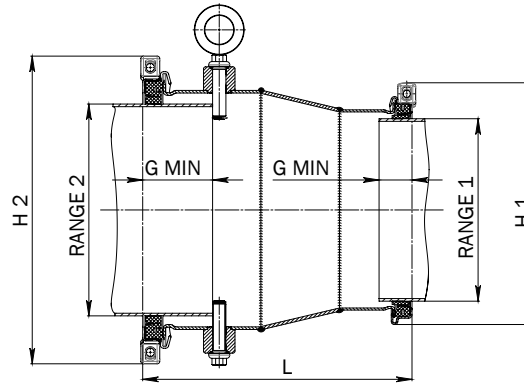
X=7 -> AISI 316 STAINLESS STEEL

HYMAX2 REDUCER NOMINAL SIZES DN40-DN300 (*)

Krausz Part Number	DN	Side 1 - Overall Range (mm)	Side 1 - Range in Closed Gasket Position (mm)	Side 1 - Range in Open Gasket Position (mm)	H1 (mm)	Side 2 Overall Range (mm)	Side 2 - Range in Closed Gasket Position (mm)	Side 2 - Range in Open Gasket Position (mm)	H2 (mm)	L (mm)	Bolts Qty. -Size	Torque Side 1 (Nm)	Torque Side 2 (Nm)
86182X0041005416	40 x 50	41-54	41-50.5	50-54	130	54-77	54-66	65-77	165	217	2 -M12	45	60
86182X0054008816	50 x 80	54-77	54-66	65-77	165	88-108	88-99	98-108	200	197	2 -M12	70	70
86182X0088010816	80 x 100	88-108	88-99	98-108	200	108-143	108-126	125-143	250	224	2 -M14	70	80
86182X0088015816	80 x 150	88-108	88-99	98-108	200	158-190	158-174	173-190	295	390	2 -M14	70	80
86182X0108013016	100 x 125	108-143	108-126	125-143	250	130-162	130-146	145-162	270	250	2 -M14	80	80
86182X0108015816	100 x 150	108-143	108-126	125-143	250	158-190	158-174	173-190	295	250	2 -M14	80	80
86182X0130015816	125 x 150	130-162	130-146	145-162	270	158-190	158-174	173-190	295	275	2 -M14	80	80
86182X0158021716	150 x 200	158-190	158-174	173-190	295	217-250	217-233	232-250	355	275	2 -M14	80	80
86182X0158027216	150 x 250	158-190	158-174	173-190	295	272-305	272-289	288-305	408	490	2 -M14	80	100
86182X0163019016	150 x 175	163-195	163-179	178-195	298	190-222	190-206	205-222	325	275	2 -M14	80	80
86182X0190021716	175 x 200	190-222	190-206	205-222	325	217-250	217-233	232-250	355	275	2 -M14	80	80
86182X0217027216	200 x 250	217-250	217-233	232-250	355	272-305	272-289	288-305	408	275	2 -M14	80	100
86182X0272031516	250 x 300	272-305	272-289	288-305	408	315-347	315-331	330-347	445	275	2 -M14	100	110
86182X0278031516	250 x 300	278-311	278-295	294-311	415	315-347	315-331	330-347	445	275	2 -M14	100	110
86182X0315033416	300 x 300	315-347	315-331	330-347	445	334-366	334-350	349-366	465	275	2 -M14	110	110

PRODUCT TABLES

HYMAX REDUCER DN300-DN350



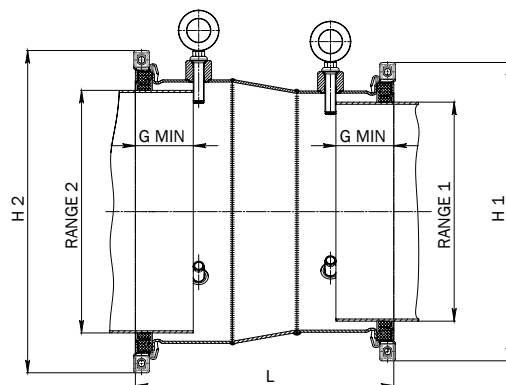
HYMAX REDUCER NOMINAL SIZES DN300-DN350 (*)

Krausz Part Number	DN	Side 1 - Overall Range (mm)	Side 1 - Range in Closed Gasket Position (mm)	Side 1 - Range in Open Gasket Position (mm)	H1 (mm)	Side 2 Overall Range (mm)	Side 2 - Range in Closed Gasket Position (mm)	Side 2 - Range in Open Gasket Position (mm)	H2 (mm)	L (mm)	Bolts Qty. -Size	Torque Side 1 (Nm)	Torque Side 2 (Nm)	Approx. Weight (kg)
8618250315037516	300 x 350	315-347	315-331	330-347	445	375-431	375-405	403-431	600	515	1-M14 2-M16	80	200	32
8618250334037516	300 x 350	334-366	334-350	349-366	465	375-431	375-405	403-431	600	515	1-M14 2-M16	80	200	35
8618250315037816	300 x 350	315-347	315-331	330-347	445	378-434	378-408	406-434	600	515	1-M14 2-M16	80	200	32
8618250334037816	300 x 350	334-366	334-350	349-366	465	378-434	378-408	406-434	600	515	1-M14 2-M16	80	200	35

* Detachable gasket

PRODUCT TABLES

HYMAX REDUCER DN350-DN600



HYMAX REDUCER NOMINAL SIZES DN350-DN600 (*)

Krausz Part Number	DN	Side 1 - Overall Range (mm)	Side 1 - Range in Closed Gasket Position (mm)	Side 1 - Range in Open Gasket Position (mm)	H1 (mm)	Side 2 Overall Range (mm)	Side 2 - Range in Closed Gasket Position (mm)	Side 2 - Range in Open Gasket Position (mm)	H2 (mm)	L (mm)	Bolts Qty. -Size	Torque Side 1 (Nm)	Torque Side 2 (Nm)	Approx. Weight (kg)
8618250378043416	350 x 400	378-434	378-408	406-434	600	434-488	434-462	460-488	655	605	4 -M16	200	200	53.5
8618250434048816	400 x 450	434-488	434-462	460-488	655	488-542	488-516	514-542	705	605	4 -M16	200	200	70
8618250488054016	450 x 500	488-542	488-516	514-542	705	540-594	540-568	566-594	760	605	4 -M16	200	200	77
8618250540062416	500 x 600	540-594	540-568	566-594	760	624-678	624-652	650-678	845	605	4 -M16	200	200	83

* Detachable gasket

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