



HYMAX GRIP® REDUCER¹ (DN40 - DN300)

PRODUCT SPECIFICATIONS

FEATURES

- JOINS AND RESTRAINS A WIDE RANGE OF PIPING TYPES AND DIFFERENT DIAMETERS
- UNIQUE RADIAL GRIPPING SYSTEM PREVENTS PIPE MOTION
- UNIVERSAL GRIPPING TEETH FIT METAL AND PLASTIC PIPES
- READY TO USE, STAB-FIT DESIGN
- ALLOWS 4° DYNAMIC DEFLECTION PER END, REDUCING FUTURE DAMAGE
- DURABLE DUCTILE IRON BODY
- PATENTED PROGRESSIVE PRESSURE-ASSISTED GASKET WITH 2-STAGE SEALING

SPECIFICATIONS²

STANDARDS³

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

SIZE

AVAILABLE IN NOMINAL DIAMETER SIZES DN40 - DN300.

RANGES

26mm - 28mm: NOMINAL DIAMETERS DN40 - DN100.
32mm: NOMINAL DIAMETERS DN125 - DN175.
50mm: NOMINAL DIAMETERS DN175 - DN300.

MATERIALS

END RINGS

DN40 - DN80: CAST STEEL ASTM A216 WCB.
DN100 - DN300: DUCTILE IRON CASTING ASTM A536 GRADE 65-45-12

CENTER RING

DN40 - DN300: DUCTILE IRON CASTING ASTM A536 GRADE 65-45-12.

GASKET

EPDM COMPOUNDED FOR WATER AND SEWERAGE, MEETS INTERNATIONAL STANDARDS FOR CONTACT WITH DRINKING WATER: NSF-61, 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.

GRIP CHAIN

SIZE | DN40 - DN80 | DN100-DN300
MATERIAL | FN-0405 (Fe4Ni05Mo) | AISI-420

BRIDGE

AISI 304/316 STAINLESS STEEL.

SPHERICAL SPACERS

AISI 304/316 STAINLESS STEEL.

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.

COATING	100% FUSION BONDED EPOXY FOR ENHANCED CORROSION PROTECTION. MINIMUM THICKNESS 250 MICRON. MEETS NSF-61, BS 6920, 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. ROLLED THREAD AND ANTI-GALLING COATING.

PRODUCT PERFORMANCE

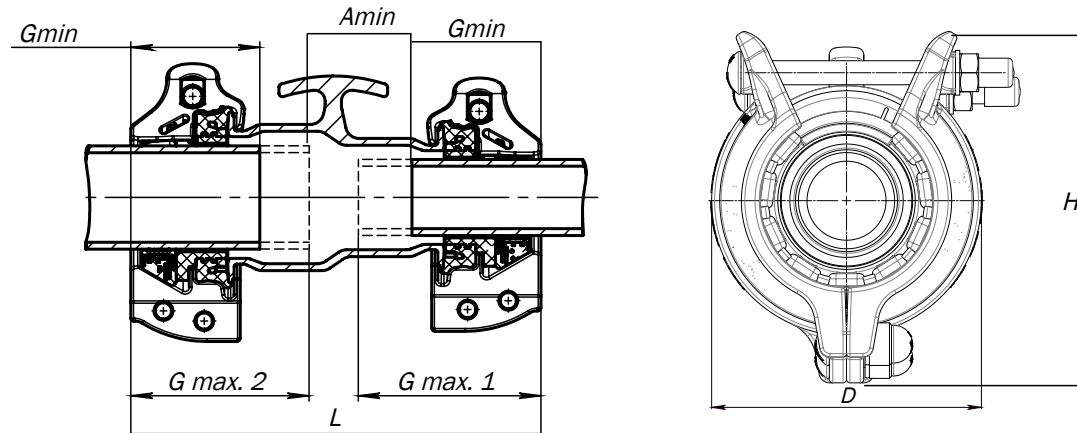
WORKING TEMPERATURE	EPDM GASKET		EPOXY COATING	
	CONTINUOUS OPERATION -30°C UP TO +85°C		ABOVE GROUND APPLICATIONS UP TO +50°C	
	SHORT TIME OPERATION -30°C UP TO +100°C		BELOW GROUND APPLICATIONS UP TO +65°C	
DYNAMIC DEFLECTION	UP TO 4° PER SIDE			
MIN. PIPE INSERTION	RANGE	≤ 32mm	50mm	
	MIN. PIPE INSERTION	95mm	125mm	
MAXIMUM OFFSET FOR MISALIGNED PIPES	DN40 - DN300 6mm			
MAXIMUM OUT OF ROUNDNESS	RANGE	≤ 32mm		50mm
	NOMINAL DIAMETER	≤DN80	DN100-DN175	≥DN175
	OUT OF ROUNDNESS	3mm	4mm	5mm
WORKING PRESSURE	16 BAR ¹			
RATED PRESSURE	24 BAR ²			
VACUUM TEST	0.8 BAR			

¹ For DN300 50mm range, 10 BAR for above ground application for working pressure, 15 BAR for rated pressure.

² For DN 100-300, 29 BAR for steel/DI pipes and 24 BAR for HDPE/PVC pipes.

PRODUCT TABLES

HYMAX GRIP REDUCER DN40-DN200



X=5 -> 304 STAINLESS STEEL

X=7 -> 316 STAINLESS STEEL

HYMAX GRIP REDUCER NOMINAL SIZES DN40-DN100

Krausz Part Number	DN	Range 1			Range 2			L (mm)	H (mm)	D (mm)	G-Max 1 Stab Depth (mm)	G-Max 2 Stab Depth (mm)	A min (mm)	Bolts Qty. -Size (mm)	Torque 1 (Nm)	Torque 2 (Nm)	Approx Weight (kg)
		Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)										
8638270039005916	(40/50) x 65	39-67	39-56	55-67	59-87	59-76	75-87	302	204.5	157	140	140	20	2 - M14	65	65	8.33
8638270059008016	65 x 80	59-87	59-76	75-87	80-106	80-95	94-106	302	230	176	140	140	20	2 - M14	65	65	11.21
8638270080010416	80 x 100	80-106	80-95	94-106	104-130	104-118	117-130	318	249	199	150	140	20	2 - M16	65	100	12.15

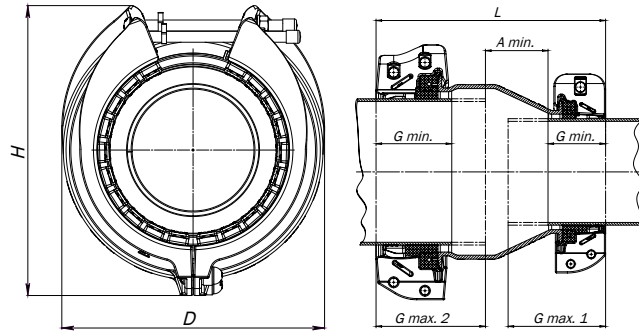
HYMAX GRIP REDUCER NOMINAL SIZES DN100-DN200

Krausz Part Number	DN	Range 1			Range 2			L (mm)	H 1 (mm)	H 2 (mm)	D 1 (mm)	D 2 (mm)	G-Max 1 Stab Depth (mm)	G-Max 2 Stab Depth (mm)	A min (mm)	Bolts Qty. -Size (mm)	Torque 1 (Nm)	Torque 2 (Nm)	Approx Weight (kg)
		Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)												
86382X0104013016	100 x 125	104-130	104-118	117-130	130-162	130-146	145-162	324	249	299	199	253	150	140	25	2-M16	110	110	17.1
86382X0104015816	100 x 150	104-130	104-118	117-130	158-190	158-174	173-190	334	249	330	199	280	145	145	25	2-M16	110	130	18
86382X0130015816	125 x 150	130-162	130-146	145-162	158-190	158-174	173-190	360	299	330	253	280	170	160	25	2-M16	110	130	21.3
86382X0130019816	125 x 175/200	130-162	130-146	145-162	198-230	198-214	213-230	362	299	375	253	324	150	150	35	2-M16	110	130	23.7
86382X0158019816	150 x 175/200	158-190	158-174	173-190	198-230	198-214	213-230	360	330	375	280	324	170	160	35	2-M16	130	130	24.7

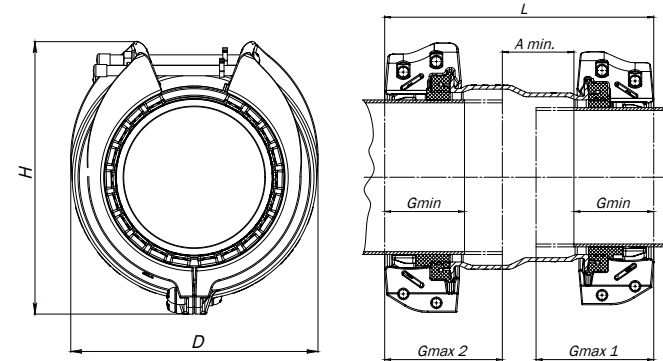
PRODUCT TABLES

HYMAX GRIP REDUCER DN150-DN300

HYMAX GRIP REDUCER DN150 & DN200



HYMAX GRIP REDUCER DN175-DN300



X=5 -> 304 STAINLESS STEEL

X=7 -> 316 STAINLESS STEEL

Krausz Part Number	DN	Range 1			Range 2			L (mm)	H (mm)	D (mm)	G-max 1 stab depth (mm)	G-max 2 stab depth (mm)	A min (mm)	Bolts Qty. -Size (mm)	Torque 1 (Nm)	Torque 2 (Nm)	Approx Weight (kg)
		Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)										
86382X0158021416	150 x 200	158-190	158-174	173-190	214-264	214-239	238-264	383	424	390	170	185	35	4 - M16	130	140	37.2
86382X0190021416	175 x 200	190-240	190-215	214-240	214-264	214-239	238-264	423	424	390	200	190	35	4 - M16	120	140	46.8
86382X0214026616	200 x 250	214-264	214-239	238-264	266-316	266-291	290-316	423	480	442	195	185	55	4 - M16	140	140	55.1
86382X0266031216	250 x 300	266-316	266-291	290-316	312-362	312-337	336-362	423	525	489	190	200	55	4 - M16	140	180	63.7

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