

## HYMAX GRIP<sup>®</sup> SWIVEL JOINT<sup>1</sup> (DN 100 - DN 300) Product Specifications

### FEATURES

- Unique product with one swiveling end
- Joins and restrains a wide range of pipe types and diameters, at any angle from 0° to 90°
- Unique radial gripping system prevents pipe motion
- Universal gripping teeth grip metal and plastic pipes
- Ready to use, stab-fit design
- Suitable for steel, ductile iron, cast iron, GRP, and PVC-U pipes
- Allows 4° dynamic deflection per end
- Ductile Iron construction
- Patented hydraulically-assisted gasket with 2-stage sealing

### SPECIFICATIONS<sup>2</sup>

#### STANDARDS<sup>3</sup>

- HYMAX GRIP SWIVELJOINT meets and exceeds standards NSF 61 and NSF 372. Products were approved by 3rd party ILAC lab according to EN 14525.

#### SIZE

- Available in nominal diameter sizes DN100, DN150, DN200, DN250 & DN300.

### MATERIALS

#### END RINGS

- Ductile iron EN-GJS-400-18-LT/ASTM A536 Grade 65-45-12.

#### CENTER LOCKING RINGS

- Ductile iron casting ASTM A536 60-40-18.



#### BODIES

- (Center Ring) - Ductile iron EN-GJS-450-10/ASTM A536 Grade 65-45-12.

#### GASKET

- EPDM compounded for water and sewage, meets international standards for contact with drinking water: NFS-61, KTWUBA 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

- EN 1.4021/SAE AISI 420 2B.

#### BRIDGE

- EN 1.4301/SAE AISI 304 Stainless Steel.

#### SPHERICAL SPACERS

- EN 1.4301/SAE AISI 304 Stainless Steel.

#### COATING

- 100% fusion bonded epoxy for enhanced corrosion protection.
- Minimum thickness 250 microns.
- Meets NSF-61, WRAS, W270, ONORM B 5014-1, XP P 41- 250, AS/NZS 4020, UBA-coatings guideline and GSK.

<sup>1</sup> The product is protected by various patents registered in various countries.

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

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



JOIN



REPAIR



RESTRAIN



TAP

## BOLTS, NUTS AND WASHERS

- EN 1.4301/SAE AISI 304 Stainless Steel. Rolled thread and anti-galling coating.

## PRODUCT PERFORMANCE

### WORKING TEMPERATURE

- **EPDM GASKET**

Continuous operation | -30°C to +85°C

Short-term operation | -30°C to +100°C

- **EPOXY COATING**

Above ground application | Up to +50°C

Below ground application | Up to +65°C

### DYNAMIC DEFLECTION

- Up to 4° per side

### MINIMUM PIPE INSERTION

- 90mm

### WORKING PRESSURE

- 16bar

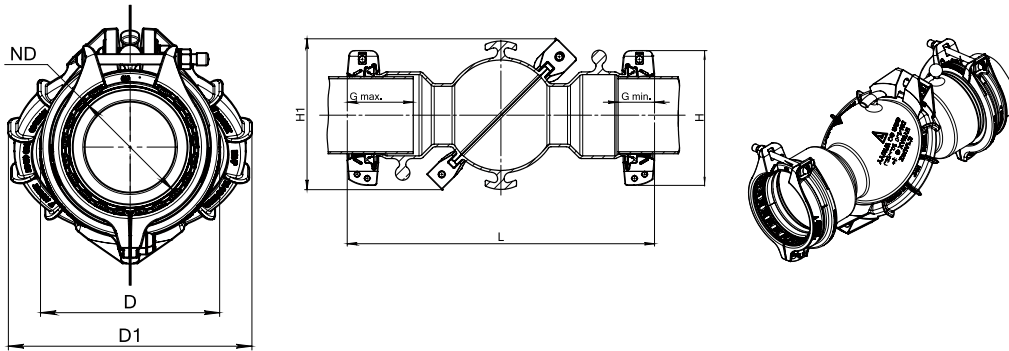
### TEST PRESSURE

- 24bar

### VACUUM TEST

- 0.8bar

## PRODUCT TABLES



### HYMAX GRIP SWIVELJOINT NOMINAL SIZE DN 100 - DN 300

| Part Number             | DN    | Tolerance Range (mm) | L (mm) | D (mm) | H (mm) | D1 (mm) | H1 (mm) | G - Max (mm) | Bolts Quantity/ Size | Torque (Nm) Centre-Bolt | Torque (Nm) End-Bolts | Approx. Weight (kg) |
|-------------------------|-------|----------------------|--------|--------|--------|---------|---------|--------------|----------------------|-------------------------|-----------------------|---------------------|
| <b>892-825-04111-16</b> | DN100 | 111-129              | 643    | 222    | 270    | 315     | 310     | 155          | 3xM16                | 60                      | 125                   | 37                  |
| <b>892-825-06165-16</b> | DN150 | 165-183              | 744    | 276    | 327    | 376     | 361     | 175          | 3xM16                | 80                      | 145                   | 46.5                |
| <b>892-825-08216-16</b> | DN200 | 216-239              | 805    | 350    | 399    | 417     | 391     | 170          | 3xM20                | 80                      | 270                   | 71.5                |
| <b>892-825-10270-16</b> | DN250 | 270-293              | 845    | 412    | 463    | 466     | 431     | 175          | 3xM20                | 80                      | 270                   | 83                  |
| <b>892-825-12322-16</b> | DN300 | 322-340              | 1012   | 445    | 504    | 606     | 534     | 190          | 3xM20                | 145                     | 270                   | 123                 |

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