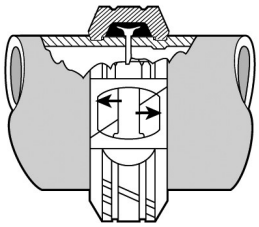
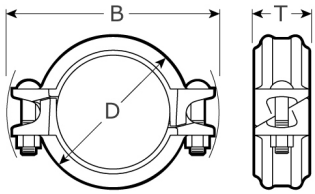
rigid coupling, type 489

short name: 489*

>victaulic groove system<






## technical product sheet

| D1 | DW | Typ | D | B | T | Ausf | kg |
|---|---|---|---|---|---|---|---|
| 48,3 | EPDM (E) | Standard | 73 | 118 | 47 | Edelstahl | 0,700 |
| 48,3 | Nitril (T) | Standard | 73 | 118 | 47 | Edelstahl | 0,700 |
| 60,3 | EPDM (E) | Standard | 85 | 132 | 47 | Edelstahl | 0,700 |
| 60,3 | Nitril (T) | Standard | 85 | 132 | 47 | Edelstahl | 0,700 |
| 73,0 | EPDM (E) | Standard | 100 | 143 | 47 | Edelstahl | 0,900 |
| 73,0 | Nitril (T) | Standard | 102 | 145 | 47 | Edelstahl | 0,900 |
| 76,1 | EPDM (E) | Standard | 102 | 145 | 47 | Edelstahl | 0,900 |
| 76,1 | Nitril (T) | Standard | 102 | 145 | 47 | Edelstahl | 0,950 |
| 88,9 | EPDM (E) | Standard | 115 | 172 | 47 | Edelstahl | 0,900 |
| 88,9 | Nitril (T) | Standard | 115 | 172 | 47 | Edelstahl | 0,900 |
| 114,3 | EPDM (E) | Standard | 147 | 201 | 53 | Edelstahl | 1,800 |
| 114,3 | Nitril (T) | Standard | 147 | 201 | 53 | Edelstahl | 1,800 |
| 139,7 | EPDM (E) | Standard | 180 | 283 | 60 | Edelstahl | 5,500 |
| 139,7 | Nitril (T) | Standard | 180 | 283 | 60 | Edelstahl | 5,500 |
| 168,3 | EPDM (E) | Standard | 207 | 321 | 64 | Edelstahl | 7,000 |
| 168,3 | Nitril (T) | Standard | 207 | 321 | 64 | Edelstahl | 7,000 |
| 219,1 | EPDM (E) | Standard | 270 | 381 | 70 | Edelstahl | 10,900 |
| 219,1 | Nitril (T) | Standard | 270 | 381 | 70 | Edelstahl | 10,900 |
| 273,0 | EPDM (E) | Standard | 332 | 438 | 76 | Edelstahl | 15,000 |
| 273,0 | Nitril (T) | Standard | 332 | 438 | 76 | Edelstahl | 15,000 |
| 323,9 | EPDM (E) | Standard | 384 | 486 | 80 | Edelstahl | 18,100 |
| 323,9 | Nitril (T) | Standard | 384 | 486 | 80 | Edelstahl | 18,100 |

available material: 316

Systems › Victaulic › Standard Nutsystem › pipe couplings › stainless steel › rigid, type 489

**Rigid Coupling**

Victaulic Nr. 489

With the Rigid Coupling linear and angular movements are reduced.
This type of coupling is therefor very beneficial for fitting connections which require a stable connection.

| Description |
|---|
| • Sizes: 1 ½ – 12" Respectively 40 – 300 mm |
| • Pipe-Material: Stainless Steel |
| • Housing: Stainless Steel 316, according to ASTM A351, A743 and A744, Class CF8M |
| • Carriage Bolt: ASTM F 593, Group (Stainless Steel 316), Design CW |
| • Heavy Hexagon Nut: ASTM F 594, Group 2 (Stainless Steel 316) |
| • Max. Pressure Tolerance: 41 bar (Depending on material, wall thickness and pipe size) |
| • Normal Working Temperature: Depending on choice of seal |
| • Function: Rigid connection, the axial and angle movement is limited |
| • Pipe-Processing: Mixed Victaulic OGS-Nut profile |

Allowed Pipe-end-distance

| Outside of Pipe-Ø | max. |
|---|---|
| 48,3 - 88,9 | 1,3 |
| 114,3 | 4,8 |
| 141,3- 323,9 | 6,4 |

All indications in mm

**SEAL-SPECIFICATION**

• Class „E" EPDM (Standard)

EPDM (Colour-code: Green stripes).

Temperature Tolerance: -30°F to +230°F/-34°C to +110°C.

Can be specified to be used for warm and cold water inside the given temperature limits, likewise for multiple acids, Oil-free air and multiple chemical uses.

UL-Allowance according to ANSI/NSF 61 for coldness +73°F/+23°C and warmth +180°F/+82°C

Drinking water tubes according to ANSI/NSF 372 Not compatible with crude Oil.

• Class „EW" EPDM

EPDM (Colour-Code: Green stripes W).

Temperature tolerance: -34°C to +110°C/ -30°F to +230°F.

Can be specified to be used for warm and cold water inside the given temperature limits, likewise for multiple acids, Oil-free air and multiple chemical uses..

WRAS-certified Material with allowed microbiological resistance according to

BS 6920 for cold and warm drinking water tubes up to +65°C/+149°F.

UL-Allowed according to ANSI/NSF 61 for coldness +23°C/+73°F and warmth +82°C/+180°F

drinking water tubes and according to ANSI/NSF 372. Not compatible with crude oil.

• Class „T" Nitril

Nitril (Colour-Code orange striped).

Temperature Tolerance -20°F to +180°F/-29°C to +82°C.

Can be specified to be used for crude oil products, air with oil condensation, Plants- and Mineral Oils

in specific temperature ranges

Is compatible with warm water tubes with over +150°F/+66°C or hot, dry air over +60°C/+140°F.

• Class „O" Fluorelastomer

Fluorelastomer (Colour-Code blue striped).

Remperature tolerance: -7°C to +149°C/+20°F to +300°F.

Can be specified to be used for many oxidizing Acids, crude oil, halogenated hydrocarbons , lubricants, organic liquids and air with hydrocarbons.

• Class „A" white Nitrile

White Nitrile (White).

Temperature Tolerance +20°F to +180°F/-7°C to +82°C.

No carbon black content. Suitable for the food industry. Meets the requirements of the FDA

as well as the requirements of the CFR Titel 21, Part 177.2600.