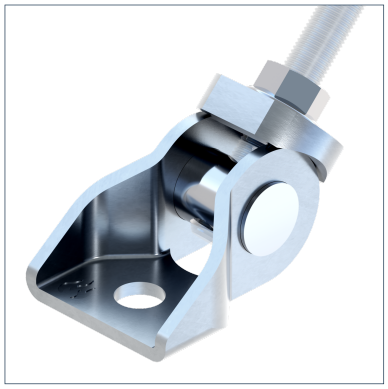
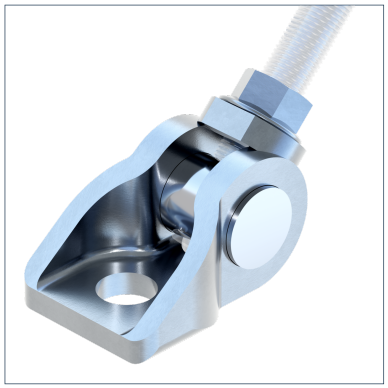
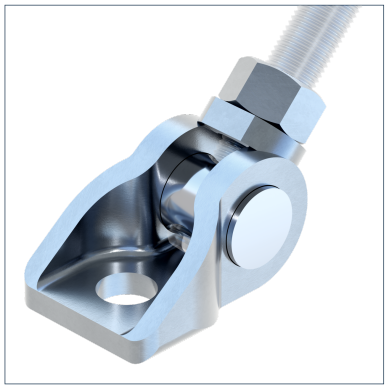
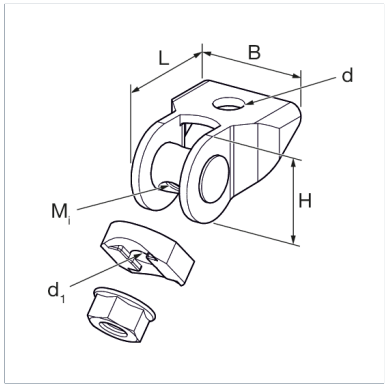
# Universal Joint UG










## General Information

Universal connection for attachment to non-horizontal components. May be fixed directly to building surfaces, Beam Clamps, channels, etc. Typical uses would include easy on-site manufacture of various tie rod assemblies to support brackets, or reinforcement struts for sliding and fixed point applications (UG FP types are specifically designed for assembly for pipe clamp wings for fixed point constructions). Infinitely variable angle adjustment. Length and height adjustment via rotation of the grub screw in the threaded pivot head. Securely retained threaded pivot head. Secure attachment of nut on the adapter plate.

## Installation

Screw the grub screw completely into the pivot head (visual control).
Fix the adjusted angle by tightening the supplied nut against the adapter plate.

## Material Properties

| | |
|---|---|
| Halogen-free | 0 |
| UV-resistant | 0 |

## Material

| | |
|---|---|
| Primary element material | M8-M10: steel M12-M16: cast iron |
| Surface finish | electro galvanized (Fe//Zn) |
| Corrosion protection class | C2 |

## Forces

| Type | -V{Z,perm.} |
|---|---|
| UG M10 | 8.00 kN |
| UG M12 | 13.00 kN |
| UG M16 | 13.00 kN |

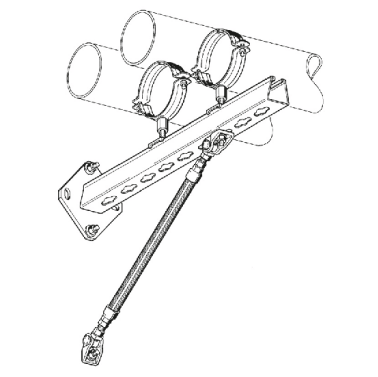
## Fire resistance

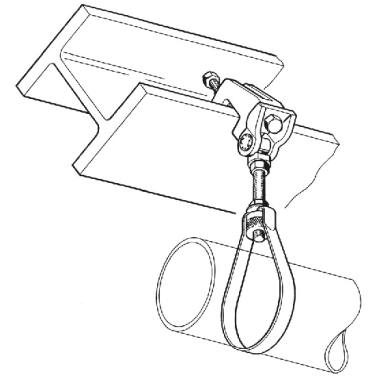
| Type | Fire Resistance 30 min | Fire Resistance 60 min | Fire Resistance 90 min | Fire Resistance 120 min |
|---|---|---|---|---|
| UG M10 | 0.6 kN | 0.6 kN | 0.54 kN | 0.42 kN |
| UG M12 | 1.6 kN | 1.03 kN | 0.79 kN | 0.61 kN |
| UG M16 | 1.6 kN | 1.6 kN | 1.47 kN | 1.13 kN |

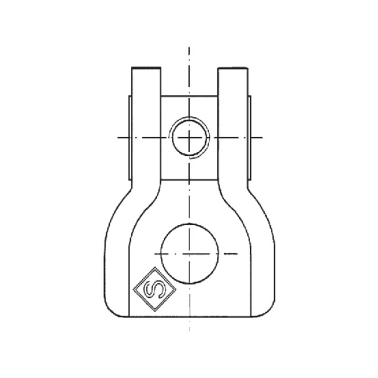
## Types

| Type | Weight | Quantity | Part number |
|---|---|---|---|
| UG M10 | 0.122 kg/pcs. | 50 pcs. | 198643 |
| UG M12 | 0.378 kg/pcs. | 25 pcs. | 158075 |

# Universal Joint UG







| Type | Weight | Quantity | Part number |
|---|---|---|---|
| UG M16 | 0.360 kg/pcs. | 25 pcs. | 158084 |

## Dimensions

| Type | B | d | d1 | H | L | Mi |
|---|---|---|---|---|---|---|
| UG M10 | 40 mm | 10.5 mm | 10.5 mm | 30 mm | 53 mm | M10 |
| UG M12 | 50 mm | 17 mm | 12.5 mm | 40 mm | 71 mm | M12 |
| UG M16 | 50 mm | 17 mm | 16.5 mm | 40 mm | 71 mm | M16 |

## Certification

VdS Approval G4980055 for types UG M8 to UG M16.

## Documents

**VDS Approval - Sikla Universal Joint UG - G4980055**