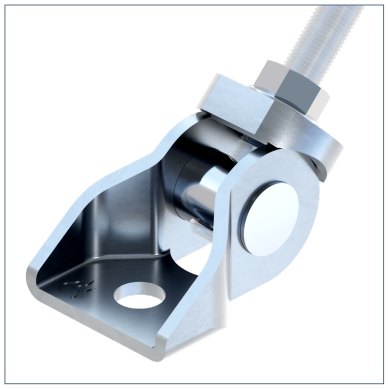
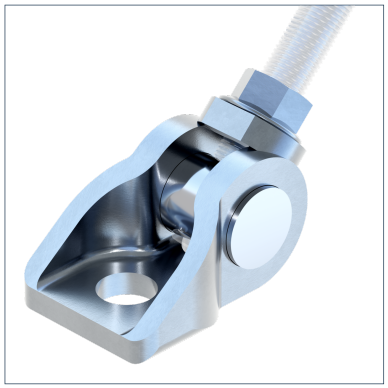
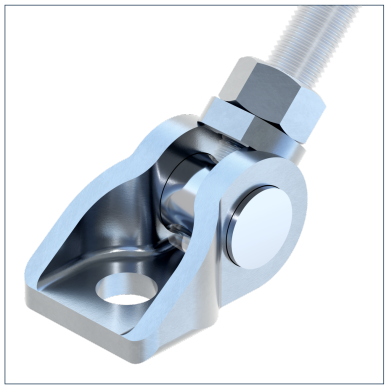
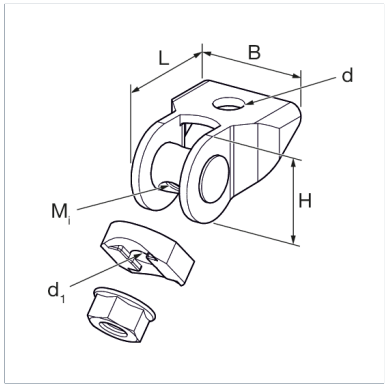
Universal Joint UG









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

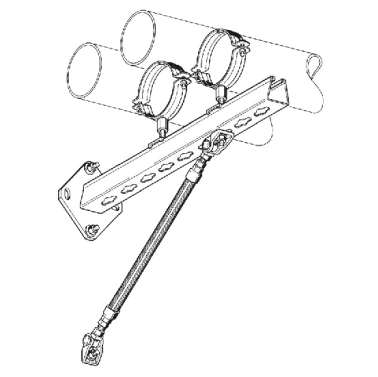
Fire resistance

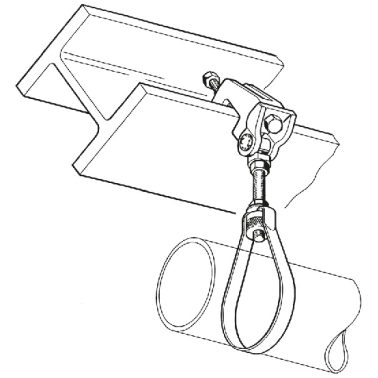
Type	Fire Resistance 30 min	Fire Resistance 60 min	Fire Resistance 90 min	Fire Resistance 120 min
UG M10	0.6 kN	0.6 kN	0.54 kN	0.42 kN
UG M12	1.6 kN	1.03 kN	0.79 kN	0.61 kN
UG M16	1.6 kN	1.6 kN	1.47 kN	1.13 kN

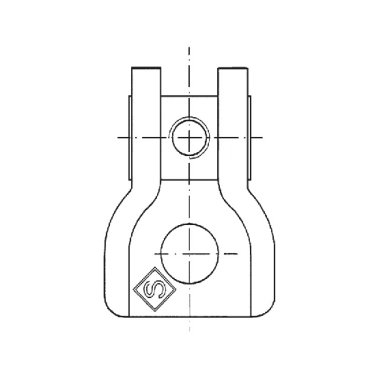
Types

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