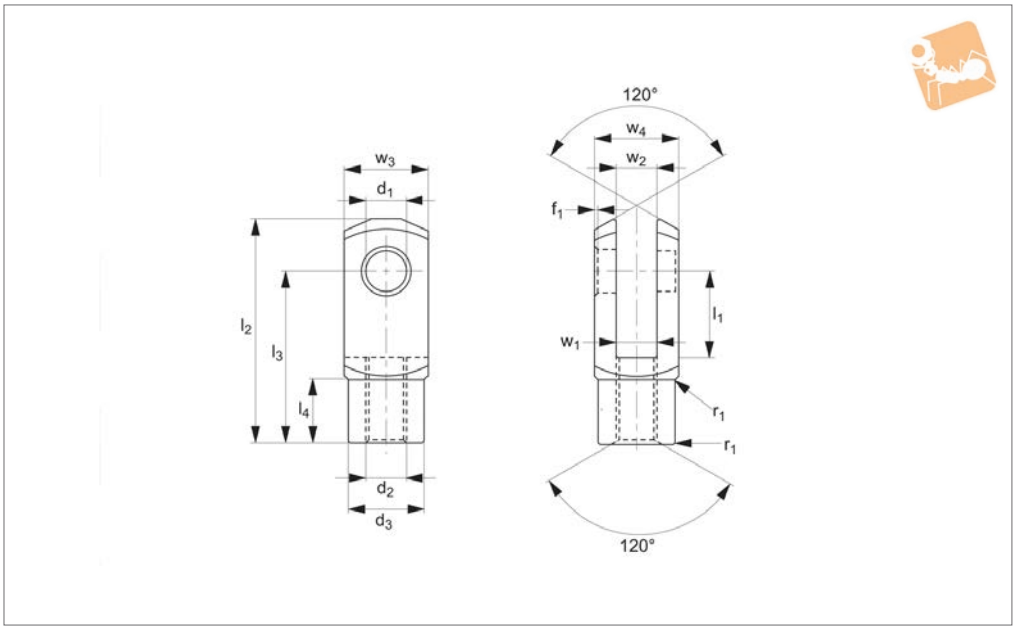

R3385

Material
Steel 1.0718 (11SMnPb30k), silver zinc plated.

Technical Notes
M4-M16: DIN 71 752/DIN ISO 8140.
M18-M48: Similar to DIN 71 752/DIN ISO 8140 and according to CETOP standard.

Tips
For yellow zinc plated version see R3393, standard thread is right hand, (for left hand, see R3386).

Important Notes
For sizes M4-M12, f_1 and r_1 =0,5, for sizes M14-M16, f_1 and r_1 =1
For sizes M18-M20, f_1=1, r_1 = 1,5, for M24 f_1 and r_1 = 1,5, for sizes M27-M30, f_1 = 1,5, r_1 = 2
For M36 f_1 = 2, r_1 = 3, for sizes M42-M48, f_1 = 3, r_1 = 5, for r_1, radius or 45° bevelling.
Other Tolerances:-

w_4: M4-M16 = +0,3 -0,16
M18-M48 = +0,5 -0,2
w_2: size 4x8-10x20 = B13
All others +0,7 +0,15
d_3: M4-M16 = ±0,3
l_2: size 4x8-6x12 = ±0,3
All others ±0,4
l_3: M4-M16 = ±0,2
M18-M48 = ±0,3
r_1: M18-M48 = ±0,5

Order No.	Size	Thread hand	Thread type	d_1 tol. H9	l_1 ±0.5	d_2	d_3	l_2 ±0.5	l_3	l_4	w_1 tol. B13	w_2	w_3 tol. h11	w_4	Weight g
R3385.R040	4x8	Right	Coarse	4	8	M4	8	21	16	6.0	4	4	8	8	5
R3385.R041	4x16	Right	Coarse	4	16	M4	8	29	24	6.0	4	4	8	8	7
R3385.R051	5x10	Right	Coarse	5	10	M5	9	26	20	7.5	5	5	10	10	9
R3385.R052	5x20	Right	Coarse	5	20	M5	9	36	30	7.5	5	5	10	10	13
R3385.R061	6x12	Right	Coarse	6	12	M6	10	31	24	9.0	6	6	12	12	15
R3385.R062	6x24	Right	Coarse	6	24	M6	10	43	36	9.0	6	6	12	12	21
R3385.R081	8x16	Right	Coarse	8	16	M8	14	42	32	12.0	8	8	16	16	37
R3385.R082	8x16	Right	Fine	8	16	M8x1	14	42	32	12.0	8	8	16	16	37
R3385.R083	8x32	Right	Coarse	8	32	M8	14	58	48	12.0	8	8	16	16	54
R3385.R084	8x32	Right	Fine	8	32	M8x1	14	58	48	12.0	8	8	16	16	54
R3385.R102	10x20	Right	Coarse	10	20	M10	18	52	40	15.0	10	10	20	20	74
R3385.R103	10x20	Right	Fine	10	20	M10x1,25	18	52	40	15.0	10	10	20	20	74
R3385.R104	10x40	Right	Coarse	10	40	M10	18	72	60	15.0	10	10	20	20	116
R3385.R105	10x40	Right	Fine	10	40	M10x1,25	18	72	60	15.0	10	10	20	20	116
R3385.R122	12x24	Right	Coarse	12	24	M12	20	62	48	18.0	12	12	24	24	121
R3385.R123	12x24	Right	Fine	12	24	M12x1,25	20	62	48	18.0	12	12	24	24	121
R3385.R124	12x48	Right	Coarse	12	48	M12	20	86	72	18.0	12	12	24	24	175
R3385.R125	12x48	Right	Fine	12	48	M12x1,25	20	86	72	18.0	12	12	24	24	175
R3385.R142	14x28	Right	Coarse	14	28	M14	24	72	56	22.5	14	14	27	27	178
R3385.R143	14x28	Right	Fine	14	28	M14x1,5	24	72	56	22.5	14	14	27	27	178
R3385.R145	14x56	Right	Coarse	14	56	M14	24	101	85	22.5	14	14	27	27	258
R3385.R146	14x56	Right	Fine	14	56	M14x1,5	24	101	85	22.5	14	14	27	27	258
R3385.R163	16x32	Right	Coarse	16	32	M16	26	83	64	24.0	16	16	32	32	282
R3385.R164	16x32	Right	Fine	16	32	M16x1,5	26	83	64	24.0	16	16	32	32	282
R3385.R166	16x64	Right	Coarse	16	64	M16	26	115	96	24.0	16	16	32	32	411
R3385.R167	16x64	Right	Fine	16	64	M16x1,5	26	115	96	24.0	16	16	32	32	411

Steel Clevis Joints

silver zinc plated

Order No.	Size	Thread hand	Thread type	d_1 tol. H9	l_1 ±0.5	d_2	d_3	l_2 ±0.5	l_3	l_4	w_1 tol. B13	w_2	w_3 tol. h11	w_4	Weight g
R3385.R183	18x36	Right	Coarse	18	36	M18	30	94	72	27.0	18	18	36	36	390
R3385.R184	18x36	Right	Fine	18	36	M18x1,5	30	94	72	27.0	18	18	36	36	390
R3385.R204	20x40	Right	Coarse	20	40	M20	34	105	80	30.0	20	20	40	40	550
R3385.R205	20x40	Right	Fine	20	40	M20x1,5	34	105	80	30.0	20	20	40	40	550
R3385.R208	20x80	Right	Coarse	20	80	M20	34	145	120	30.0	20	20	40	40	800
R3385.R209	20x80	Right	Fine	20	80	M20x1,5	34	145	120	30.0	20	20	40	40	800
R3385.R255	25x50	Right	Coarse	25	50	M24	42	132	100	36.0	25	25	50	50	1100
R3385.R256	25x50	Right	Fine	25	50	M24x2	42	132	100	36.0	25	25	50	50	1100
R3385.R285	28x56	Right	Coarse	28	56	M27	48	148	112	40.0	28	28	55	55	1500
R3385.R286	28x56	Right	Fine	28	56	M27x2	48	148	112	40.0	28	28	55	55	1500
R3385.R305	30x54	Right	Fine	30	54	M27x2	48	148	110	40.0	30	30	55	55	1440
R3385.R306	30x60	Right	Coarse	30	60	M30	52	160	120	42.0	30	30	60	60	1970
R3385.R307	30x60	Right	Fine	30	60	M30x2	52	160	120	42.0	30	30	60	60	1970
R3385.R355	35x54	Right	Fine	35	54	M36x2	60	188	144	54.0	35	35	70	70	2930
R3385.R357	35x72	Right	Coarse	35	72	M36	60	188	144	54.0	35	35	70	70	2930
R3385.R358	35x72	Right	Fine	35	72	M36x2	60	188	144	54.0	35	35	70	70	2930
R3385.R367	36x72	Right	Coarse	35	72	M36	60	188	144	54.0	36	36	70	70	2930
R3385.R368	36x72	Right	Fine	35	72	M36x2	60	188	144	54.0	36	36	70	70	2930
R3385.R408	40x84	Right	Fine	40	84	M42x2	70	232	168	63.5	40	40	85	85	5640
R3385.R428	42x84	Right	Coarse	42	84	M42	70	232	168	63.5	42	42	85	85	5340
R3385.R429	42x84	Right	Fine	42	84	M42x2	70	232	168	63.5	42	42	85	85	5340
R3385.R509	50x96	Right	Coarse	50	96	M48	82	265	192	73.0	50	50	96	96	7860
R3385.R510	50x96	Right	Fine	50	96	M48x2	82	265	192	73.0	50	50	96	96	7860

Parts overview

Clevis Joints

Stocked to DIN 71752 in steel and stainless steel. Plain clevis joints available in right and left hand threads zinc plated steel and stainless steel. Steel sizes from M4 up to M48. Stainless sizes from M4 up to M27.

Clevis Mating Pieces

These are designed to fit in between our clevis joints to create a linkage where an angular offset is required. Available in zinc plated steel and stainless steel. Sizes M4 up to M20.

Clevis Pins and Clips

Various styles of pins and clips to suit clevis joints in zinc plated steel and stainless steel. Sizes available to suit all sizes of clevis joints that we offer.

Male Clevis Joints

Stocked in zinc plated steel and stainless steel, right and left hand threads. Sizes M6 up to M20.

Clevis Retention Clips

These are the most popular type of clip used with our clevis joints. They create a neat compact assembly, only available in zinc plated steel. Size available for clevis joints from 4mm up to 20mm.

ov-W65630-AR3385-T-W65684-AR3435-T-a-rnh- Updated -31-10-2022

Zinc plated steel

Clevis with retention clip 65630 and 65684

Clevis with clevis pin 65664 Safety fastener 65680

Clevis with clevis pin, washer and cotter pin 65660 and 65674

Stainless steel

Clevis with clevis pin and circlips 65666 and 65678

Clevis with clevis pin, washer and cotter pin 65661 and 65675

Assembly options

Clevis with 65652 mating piece and 65684 clevis retention clip

Clevis with 65880 rod end and 65684 clevis retention clip

Tensile tests, statistically to failure (break)

Clevises M6 - M42

Clevis joints axially loaded.

Material

Leaded low carbon steel (AISI 12L14, 1.0718).

Important note: values in this table are indicative only and should only be used as a rough guide. The Company cannot foresee the intended applications of their products and we accept no liability for any actions taken by third parties. Customers are advised to use their own safety factors and/or perform their own testing on the clevis joint to ensure it meets requirements for their application.

Clevis size	F min (kN)	F max (kN)	F average value (kN)	Avg. force when clevis starts to deform (kN)
6 x 24 M 6	16,0	19,5	17,6	15,3
8 x 32 M 8	33,2	35,6	34,6	29,3
10 x 40 M10	42,0	52,0	47,5	41,3
12 x 48 M12	53,0	68,5	61,1	50,2
14 x 56 M14	60,5	64,5	63,0	48,8
16 x 64 M16	133,5	146,0	140,2	115
20 x 40 M20	194,5	234,0	213,5	176
25 x 50 M25	311,0	336,0	328,0	260
30 x 60 M30	428,0	450,0	440,6	343
36 x 72 M36	566,0	573,0	569,5	300
35 x 72 M36	561,2	567,9	564,6	370
42 x 84 M42	904,6	904,6	904,6	420

ov-W65630-AR3385-T-W65684-AR3435-T-b-Inh- Updated -31-10-2022