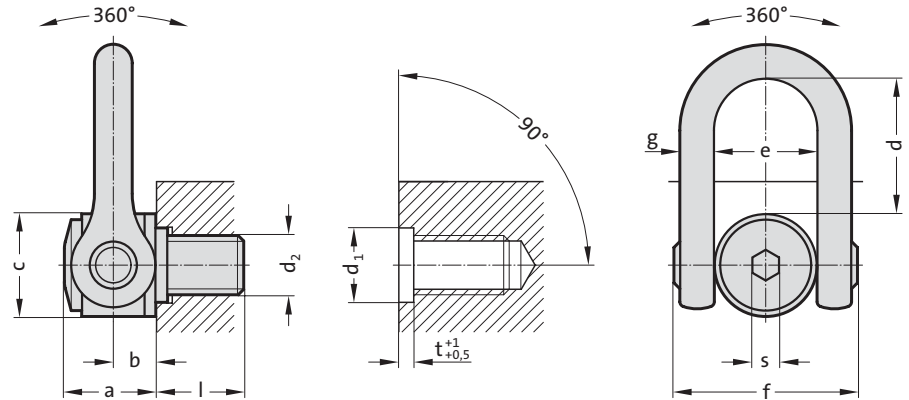


Double vortex ring screw with centring



2131.41.



Description:

The double vortex ring screw with centring device was especially designed for the lifting and rotating of heavy loads. The centring device increases the resistance of the axis in case of lateral mounting. Load bearing capacity in all directions and perfect alignment for load suspension.

Material:

High-strength chrome-nickel alloyed Q & T steel,
Screws: high-strength screws, min. strength category 10.9, 100 % crack inspected

Note:

Ensure even screw-in surface, threads must be screwed in completely. The threaded connection on the transport belt must be suitable for the force transmission. Each attachment point is provided with an individual serial number. Information about installation and removal, see operating instructions. Load capacity according to operating instructions or load capacity table in the specified directions of pull.

When selecting the arrangement, make sure that unequal loading does not occur, e.g. if:

- no free adjustment is possible in the direction of pull
- direction of pull does not lie in the specified range

Safety factor 5 - 2131.41.024 through 2131.41.042

Safety factor 4 - 2131.41.045 through 2131.41.064

2134.41. Double vortex ring screw with centring

Order No	Rated carrying capacity [t]	d ₂	l	s	a	b	c	d	e	f	g	d ₁	Tolerance d ₁	t	Tightening torque [Nm]
2131.41.024	5	M24	36	19	61	31	70	104	73	145	29	30	+0,3/0	4	160
2131.41.030	8	M30	45	19	61	31	70	104	73	145	29	36	+0,3/0	4	250
2131.41.033	8	M33	50	19	61	31	70	104	73	145	29	48	+0,3/+0,1	6	250
2131.41.036	11	M36	54	19	61	31	70	104	73	145	29	48	+0,5/+0,1	6	320
2131.41.042	13	M42	63	19	61	31	70	104	73	145	29	48	+0,5/+0,1	6	400
2131.41.045	15	M45	63	19	61	31	70	104	73	145	29	48	+0,5/+0,1	8	400
2131.41.048	22	M48	68	19	79	38	90	125	91	184	36	64	+0,6/+0,1	8	600
2131.41.056	26	M56	78	19	79	38	90	125	91	184	36	64	+0,6/+0,1	8	600
2131.41.064	32.1	M64	90	19	79	38	95	125	91	184	36	74	+0,6/+0,1	10	600

Max. carrying capacity "G" in tonnes for various types of attachment

Type of attachment, Arrangement of the suspension points										
Number of lines	1	1	2	2	2 symmetrical	2 symmetrical	3+4 symmetrical	3+4 symmetrical	2 asymmetrical	3 and 4 asymmetrical
Angle of inclination/ load direction	0°	90°	0°	90°	0-45°	45-60°	0-45°	45-60°	asymmetrical	asymmetrical
Order No	carrying capacity in tonnes									
2131.41.024	5	5	10	10	7	5	10.5	5	5	5
2131.41.030	8	8	16	16	11.2	8	16.8	8	8	8
2131.41.033	8	8	16	16	11.2	8	16.8	8	8	8
2131.41.036	11	11	22	22	15.4	11	23.1	11	11	11
2131.41.042	13	13	26	26	18.2	13	27.3	13	13	13
2131.41.045	15	15	30	30	21	15	31.5	15	15	15
2131.41.048	22	22	44	44	30.8	22	46.2	22	22	22
2131.41.056	26	26	52	52	36.4	26	54.6	26	26	26
2131.41.064	32.1	32.1	64.2	64.2	44.9	32.1	67.4	32.1	32.1	32.1