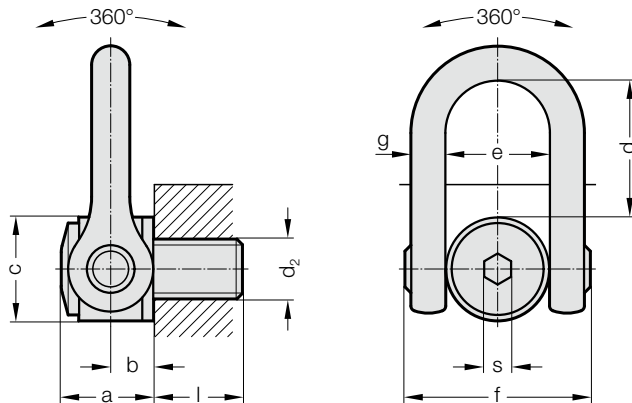


# DOUBLE VORTEX RING SCREW

2131.40.



## Description:

The double vortex ring screw was especially designed for the lifting and rotating of heavy loads.

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

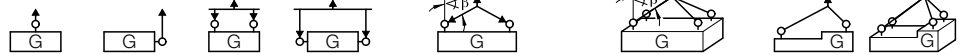
Safety factor 4

## 2131.40. Double vortex ring screw

Order No	Rated carrying capacity [t]	d <sub>2</sub>	l	s	a	b	c	d	e	f	g	Tightening torque [Nm]
2131.40.024	5.5	M24	36	19	61	31	70	98	73	149	33	160
2131.40.030	8.5	M30	45	19	61	31	70	98	73	149	33	250
2131.40.033	10.5	M33	50	19	61	31	70	98	73	149	33	250
2131.40.036	12	M36	54	19	61	31	70	98	73	149	33	320
2131.40.039	14	M39	58	19	61	31	70	98	73	149	33	320
2131.40.042	15	M42	63	19	61	31	70	98	73	149	33	400
2131.40.045	16	M45	63	19	61	31	70	98	73	149	33	400
2131.40.048	20	M48	68	19	79	38	90	123	91	182	45	600
2131.40.052	21	M52	68	19	79	38	90	123	91	182	45	600
2131.40.056	25	M56	78	19	79	38	90	123	91	182	45	600
2131.40.064	32.1	M64	90	19	79	38	95	123	91	182	45	600
2131.40.072	25	M72	90	19	79	38	95	123	91	182	45	600
2131.40.080	32.1	M80	90	19	79	38	100	123	91	182	45	600
2131.40.090	32.1	M90	90	19	79	38	100	123	91	182	45	600
2131.40.100	32.1	M100	90	19	79	38	110	123	91	182	45	600

## Max. carried load "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	3 and 4 symmetrical	3 and 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	
Order No.	carried load in tonnes									
2131.40.024	9,0	5,5	18	11	7,7	5,5	11,55	5,5	5,5	5,5
2131.40.030	14	8,5	28	17	11,9	8,5	17,85	8,5	8,5	8,5
2131.40.033	14,5	10,5	29	21	14,7	10,5	22,05	10,5	10,5	10,5
2131.40.036	15	12	30	24	16,8	12	25,2	12	12	12
2131.40.039	17	14	34	28	19,6	14	29,4	14	14	14
2131.40.042	15,5	15	31	30	21	15	31,5	15	15	15
2131.40.045	15	16	30	32	22,4	16	33,6	16	16	16
2131.40.048	22	20	44	40	28	20	42	20	20	20
2131.40.052	23	21	46	42	29,4	21	44,1	21	21	21
2131.40.056	25	25	50	50	35	25	52,5	25	25	25
2131.40.064	32,1	32,1	64,2	64,2	44,94	32,1	67,41	32,1	32,1	32,1
2131.40.072	25	25	50	50	35	25	52,5	25	25	25
2131.40.080	32,1	32,1	64,2	64,2	44,94	32,1	67,41	32,1	32,1	32,1
2131.40.090	32,1	32,1	64,2	64,2	44,94	32,1	67,41	32,1	32,1	32,1
2131.40.100	32,1	32,1	64,2	64,2	44,94	32,1	67,41	32,1	32,1	32,1