

LIFTING POINTS

RUD® Screw-on Lifting Points

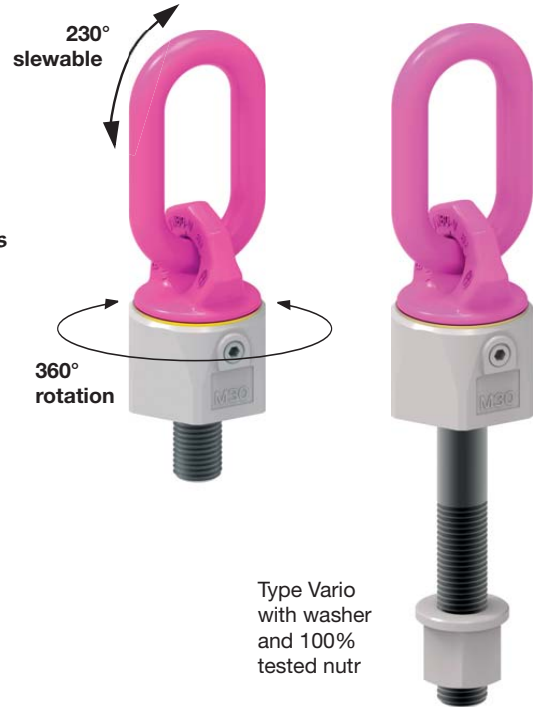
Lifting Ring Vario VWBG-V with Ball Bearing

-40° C



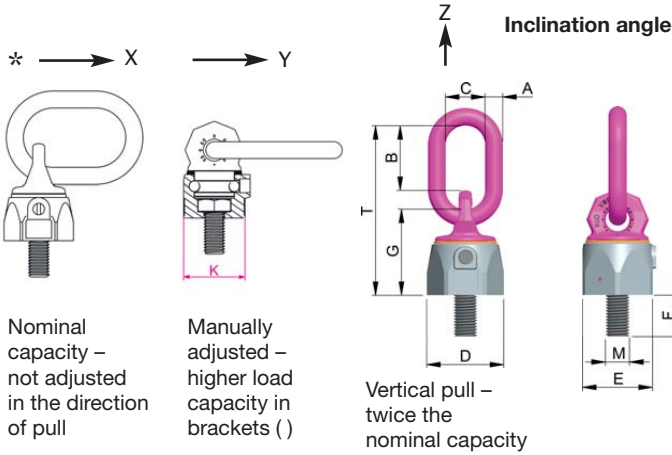
- The swivelling lifting point
- 360° rotation/230° slewable
 - Can be loaded from all directions, safety factor 4
 - Intended to rotate under load
 - Easy attachment, requires just a tapped bore
 - Bolts 100% crack-tested
 - High-strength, tested oblong ring acc. to DIN EN 1677-4
 - Surface: pink powder-coated and galvanised
 - Wear marks for the most common directions of pull: 45°, 60° and 90°
 - Can be used up to -40°C

4 design factor in all directions



Type Vario with washer and 100% tested nut

- Vario = variable thread lengths (Fmax. in mm):**
- Suitable for through-holes
 - Type Vario with washer and 100% crack-tested nut
 - Additional slide bearing washer for smooth rotation



***Caution:** The VWBG-V/VWBG are designed to be used in different directions of pull. Therefore the oblong ring can engage in any position. The indicated **WLL (load capacity)** is based on the **worst case situation** (figure X). If the ring is manually adjusted in the direction of pull (figure Y) the higher values in brackets () can be used.

F* = Standard thread length Fvario = individual thread length

Type	Load capacity in t	Dimensions in mm									Weight cpl. ca. in kg	Standard thread length F* in mm	Item no.	Individual thread length F max. in mm	Item no.
		A	B	C	D	E	F	G	M	T					
VWBG-V 0.3-M 8**	0.3 (0.4)	8	31	29	30	28	13	36	M8	76	0.18	13	25250000015383	102	on request
VWBG-V 0.45-M10**	0.45 (0.6)	8	31	29	33.5	30	17	38	M10	78	0.29	17	25250000015384	122	on request
VWBG-V 0.6-M12	0.6 (0.75)	10	49	35	42	36	21	47	M12	107	0.41	21	25250000015385	140	on request
VWBG-V 0.6-M14	1.0 (1.25)	13	46	38	48	41	21	56	M14	114	0.63	21	25250000015386	65	on request
VWBG-V 1.3-M16	1.3 (1.5)	13	46	38	48	41	25	56	M16	114	0.59	25	25250000015387	180	on request
VWBG-V 1.8-M18	1.8 (2.0)	13	54	35	62	55	27	67	M18	137	1.18	27	25250000015388	83	on request
VWBG-V 2.0-M20	2.0 (2.5)	13	54	35	62	55	33	67	M20	137	1.42	33	25250000015389	223	on request
VWBG-V 2.0-M22	2.0 (2.5)	13	54	35	62	55	33	67	M22	137	1.45	33	25250000015390	94	on request
VWBG-V 3.5-M24	3.5 (4.0)	18	66	40	81	70	40	88	M24	173	2.63	40	25250000015391	255	on request
VWBG-V 3.5-M27	3.5 (4.0)	18	66	40	81	70	41	88	M27	173	2.65	40	25250000015392	92	on request
VWBG-V 5.0-M30	5.0 (6.0)	22	90	50	99	85	50	106	M30	221	5.09	50	25250000015393	330	on request

**w/o slide bearing washer

Maximum transport weight G in t with different lifting methods:

Lifting method										
Number of legs	1	2	1	2	2	2	2	3 and 4	3 and 4	3 and 4
Inclination angle	0°	0°	90°	90°	0-45°	45-60°	asymmetric	0-45°	45-60°	asymmetric
VWBG-V 0.3-M 8	0.6	1.2	0.3 (0.4)	0.6 (0.8)	0.42 (0.56)	0.3 (0.4)	0.3 (0.4)	0.63 (0.84)	0.45 (0.6)	0.3 (0.4)
VWBG-V 0.45-M10	0.9	1.8	0.45 (0.6)	0.9 (1.2)	0.63 (0.84)	0.45 (0.6)	0.45 (0.6)	0.94 (1.26)	0.67 (0.9)	0.45 (0.6)
VWBG-V 0.6-M12	1.2	2.4	0.6 (0.75)	1.2 (1.5)	0.84 (1.05)	0.6 (0.75)	0.6 (0.75)	1.26 (1.57)	0.9 (1.12)	0.6 (0.75)
VWBG-V 1.0-M14	2.0	4.0	1.0 (1.25)	2.0 (2.5)	1.4 (1.75)	1.0 (1.25)	1.0 (1.25)	2.1 (2.62)	1.5 (1.87)	1.0 (1.25)
VWBG-V 1.3-M16	2.6	5.2	1.3 (1.5)	2.6 (3)	1.81 (2.1)	1.3 (1.5)	1.3 (1.5)	2.73 (3.15)	1.95 (2.25)	1.3 (1.5)
VWBG-V 1.8-M18	3.6	7.2	1.8 (2.0)	3.6 (4.0)	2.52 (2.8)	1.8 (2.0)	1.8 (2.0)	3.78 (4.2)	2.7 (3.0)	1.8 (2.0)
VWBG-V 2.0-M20	4	8	2 (2.5)	4 (5)	2.8 (3.5)	2 (2.5)	2 (2.5)	4.2 (5.25)	3 (3.75)	2 (2.5)
VWBG-V 2.0-M22	4	8	2 (2.5)	4 (5)	2.8 (3.5)	2 (2.5)	2 (2.5)	4.2 (5.25)	3 (3.75)	2 (2.5)
VWBG-V 3.5-M24	7	14	3.5 (4)	7 (8)	4.9 (5.6)	3.5 (4)	3.5 (4)	7.35 (8.4)	5.25 (6)	3.5 (4)
VWBG-V 3.5-M27	7	14	3.5 (4)	7 (8)	4.9 (5.6)	3.5 (4)	3.5 (4)	7.35 (8.4)	5.25 (6)	3.5 (4)
VWBG-V 5.0-M30	10	20	5 (6)	10 (12)	7 (8.4)	5 (6)	5 (6)	10.5 (12.6)	7.5 (9)	5 (6)