

SUPER
ROTATION®



VLBG-PLUS

VIP Load ring for bolting PLUS

Tried and tested – full WLL in all directions

NEW

The Original, now with up to 45% higher WLL at an average (M8-M30)

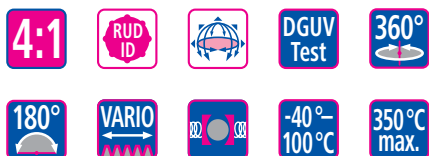
Bracket adjustable in force direction

Comprehensive range of threads

Permissible only within the green range

VLBG-PLUS

VIP Load ring for bolting PLUS



VLBG-PLUS



VLBG



LBG-RS



-60°
100°C

400°C
max.



ICE-Bolt made out of patented steel.



✓ Lifting points rotates 360°. Suspension ring pivots 180°.

✓ **VLBG-PLUS: Captive but exchangeable ICE-Bolt** made out of patented steel with special corrosion protection Corrud-DT. Non-hazardous deep temperature usage; higher toughness and therefore higher bending strength as well as less wear occurrence. Original ICE-Bolt is available as a spare part. Clear marking at the bolt head: RUD, ICE, thread size, batch-no., class of strength.



VLBG-PLUS

More than 30 years of experience as lifting point with unsymmetrical force application.

✓ **Clamping spring** works as a noise reduction and holds the suspension ring in the requested position; therefore simple hinge of lifting mean possible respectively flat design if turned down.

Product features

VIP Load ring for bolting PLUS

- ✓ **Clear marking of the minimum WLL** for all loading directions.
- ✓ Available as:
 - VLBG-PLUS/LBG-RS: Standard Metric Thread (DIN EN 13)
 - VLBG: Metric Fine Thread (DIN EN 13)
 - VLBG: Coarse Pitch Thread UNC (ANSI B1.1)
 - VLBG: Fine Thread UNF (ANSI B1.1)
- ✓ VLBG-PLUS/VLBG: Variable bolt lengths available for tapped or through holes (see p.53).

- ✓ VLBG-PLUS: Tested and certified by DGUV
Testing specifications: GS-OA-15-04:2015-12
Certificate No.: OA 1651053

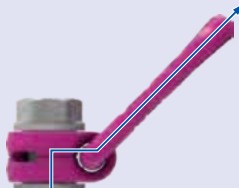


- ✓ LBG-RS: Component made out of 1.4571: therefore higher resistancy against intergranular corrosion.



clear marking of the minimum WLL
Up to 45% higher WLL at an average (M8-M30)

unsymmetrical application of force



LBG-RS
EDELSTAHL
Rostfrei
INOX
STAINLESS STEEL

Application-specific features VLBG-PLUS / LBG-RS

- ✓ Quick and easy installation with just one bolt connection.
- ✓ Assembly with flat / ring wrench or allen key possible.
- ✓ Hand tightening with appropriate wrench is sufficient for a singular lift.
- ✓ Please observe torque instructions when lifting point is permanently installed resp. at constant swivelling operations and tilting/ turning actions.

Accessories VLBG-PLUS

- ✓ For permanent installation of the lifting point for through hole fixtures we recommend the securing nut acc. to DIN 980-V (standard distribution, washer included), for variable installations with just one lifting action please use collar nut acc. to DIN 6331 (available upon request).
- ✓ For special thread lengths in metric sizes, lock nuts (DIN 980-V crack tested) with washer are available. Collar nuts (DIN 6331, crack inspected) optionally on request.

VLBG-PLUS // metric thread

Type	WLL [t]	weight [kg/pc.]	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	K [mm]	L [mm]	M	N [mm]	torque [Nm]	Ref. No.
VLBG-PLUS VIP Load ring for bolting PLUS – metric																		
VLBG-PLUS 0.63t M8	0.63	0.3	75	30	54	34	24	40	10	29	11	75	45	40	M8	32	30	8504651
VLBG-PLUS 0.9t M10	0.9	0.32	75	30	54	34	24	39	10	29	15	75	45	44	M10	32	60	8504652
VLBG-PLUS 1.35t M12	1.35	0.33	75	32	54	34	26	38	10	29	18	75	45	47	M12	32	150	8504653
VLBG-PLUS 2t M16	2	0.55	85	33	56	36	30	39	13.5	36	22	86	47	58	M16	38	150	8504655
VLBG-PLUS 3.5t M20	3.5	1.3	110	50	82	54	45	55	16.5	43	32	113	64	75	M20	48	400	8504657
VLBG-PLUS 4.5t M24	4.5	1.5	125	50	82	54	45	67	18	43	37	130	78	80	M24	48	760	8504659
VLBG-PLUS 6.7t M30	6.7	3.3	147	60	103	65	60	67	22.5	61	49	151	80	110	M30	67	1000	8504661
VLBG-PLUS 8t M36	8	6.2	197	77	122	82	70	97	26.5	77	63	205	110	140	M36	87	800	7983553
VLBG-PLUS 10t M42	10	6.7	197	77	122	82	70	94	26.5	77	73	205	110	150	M42	70	1000	7983554
VLBG-PLUS 15t M42	15	10.9	222	95	156	100	85	109	36	87	63	230	130	150	M42	100	1500	7982966
VLBG-PLUS 20t M48	20	11.6	222	95	156	100	95	105	36	87	73	230	130	160	M48	100	2000	7982967
VLBG-PLUS VIP Load ring for bolting PLUS – metric with longer Vario bolt																		
VLBG-PLUS 0.63t M8	0.63	*	75	30	54	34	24	40	10	29	8-76	75	45	37-105	M8	32	30	8600470
VLBG-PLUS 0.9t M10	0.9	*	75	30	54	34	24	39	10	29	10-96	75	45	39-125	M10	32	60	8600471
VLBG-PLUS 1.35t M12	1.35	*	75	32	54	34	26	38	10	29	12-116	75	45	41-145	M12	32	150	8600472
VLBG-PLUS 2t M16	2	*	85	33	56	36	30	39	13.5	36	16-149	86	47	52-185	M16	38	150	8600474
VLBG-PLUS 3.5t M20	3.5	*	110	50	82	54	45	55	16.5	43	20-187	113	64	63-230	M20	48	400	8600476
VLBG-PLUS 4.5t M24	4.5	*	125	50	82	54	45	67	18	43	24-222	130	78	67-265	M24	48	760	8600478
VLBG-PLUS 6.7t M30	6.7	*	147	60	103	65	60	67	22.5	61	30-279	151	80	91-340	M30	67	1000	8600480
VLBG-PLUS 8t M36	8	*	197	77	122	82	70	97	26.5	77	36-223	205	110	113-300	M36	87	800	8600289
VLBG-PLUS 10t M42	10	*	197	77	122	82	70	94	26.5	77	42-273	205	110	119-350	M42	70	1000	8600290
VLBG-PLUS 15t M42	15	*	222	95	156	100	85	109	36	87	42-263	230	130	129-350	M42	100	1500	8600291
VLBG-PLUS 20t M48	20	*	222	95	156	100	95	105	36	87	48-303	230	130	135-350	M48	100	2000	8600292

* = weight depends on design specifics

subject to technical modifications

