

VLBG-PLUS

VIP-Load ring thread PLUS.

FEATURES AND BENEFITS:

- Large WLL range 0.63 t–20 t.
- Captive but exchangeable ICE-Bolt made of patented steel up to size M24, meaning a higher working load limit can be achieved compared to structurally identical attachment points.
- The clamping spring achieves noise reduction and keeps the suspension ring in the desired direction; thereby simple hinging of the lifting means is possible or a flat design in the folded state.
- DNVGL certification from size M30.



LOAD RING TYPE VLBG-PLUS.

Load rings such as the VLBG-PLUS are characterised by their extremely low construction with a pivoting suspension ring and an eccentric force introduction. An important advantage: They automatically align themselves correctly in the respective loading direction.



THE VLBG-PLUS IN DETAIL.

RUD ICE-Bolt screw
with combination head.



360° rotatable,
180° pivotable.



Clear marking of
the minimum WLL.



Clamping spring.



Off centre split force introduction.



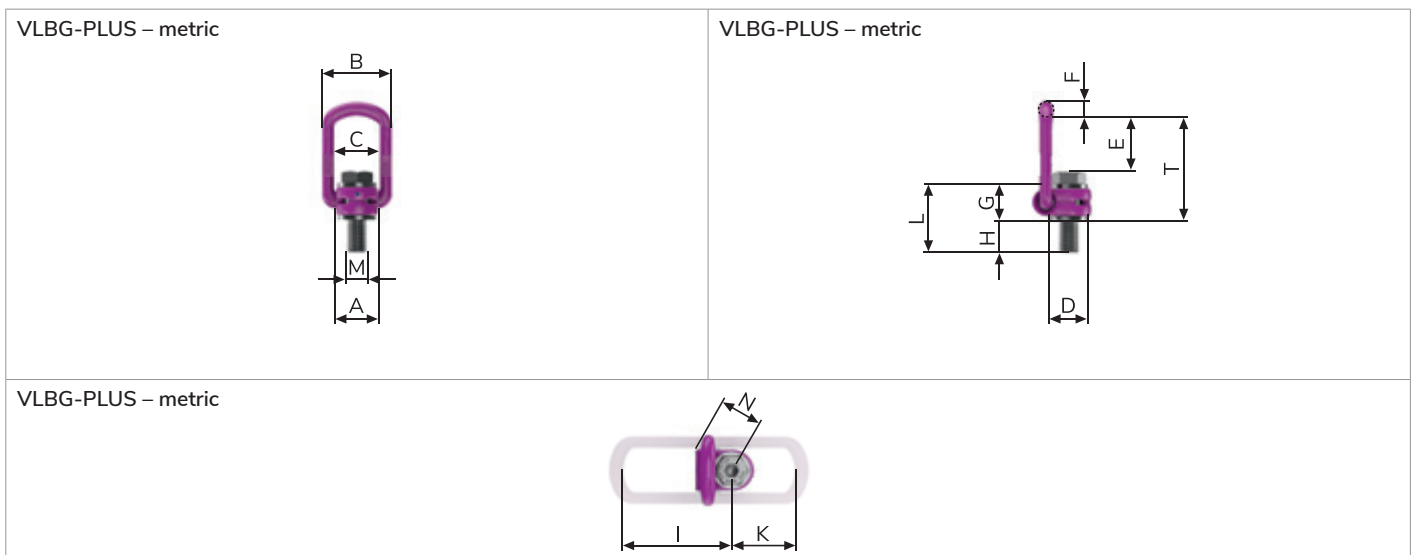
VLBG-PLUS

Metric thread.

VLBG-PLUS-LOAD RING THREAD PLUS – METRIC – DESIGN FACTOR 4:1.

Type	WLL [t]	Weight (kg/unit)	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]	Tightening torque [Nm]	Order no.
VLBG-PLUS 0.63t M8	0.63	0.3	75	30	52	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	1,000	8504661
VLBG-PLUS 7t M36 (So-bolt)	7	3.4	146	60	103	65	60	74	22.5	55	52	151	80	107	M36	67	700	8500829
VLBG-PLUS 8t M36	8	6.2	196	77	122	82	70	97	26.5	77	63	205	113	140	M36	79	800	7983553
VLBG-PLUS 10t M42	10	6.7	196	77	122	82	70	94	26.5	77	73	205	113	150	M42	79	1,000	7983554
VLBG-PLUS 15t M42	15	10.9	222	95	156	100	85	109	36	87	63	230	130	150	M42	100	1,500	7982966
VLBG-PLUS 20t M48	20	11.6	222	95	156	100	95	105	36	87	73	230	130	160	M48	100	2,000	7982967

Subject to technical changes!



VLBG-PLUS / VLBG

Metric variable length.

VLBG-PLUS-LOAD RING THREAD PLUS – METRIC IN VARIABLE LENGTH – DESIGN FACTOR 4:1.

Type	WLL [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H vario [mm]	I [mm]	K [mm]	L vario [mm]	M	N [mm]	Tightening torque [Nm]	Order no.
VLBG-PLUS 0.63t M8	0.63	¹	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	¹	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	¹	75	32	54	34	26	38	10	29	12-116	75	45	41-145	M12	32	150	8600472
VLBG-PLUS 2t M16	2	¹	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	¹	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	¹	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	¹	147	60	103	65	60	67	22.5	61	30-279	151	80	91-340	M30	67	1.000	8600480
VLBG-PLUS 8t M36	8	¹	197	77	122	82	70	97	26.5	77	36-223	205	110	113-300	M36	87	800	8600289
VLBG-PLUS 10t M42	10	¹	197	77	122	82	70	94	26.5	77	42-273	205	110	119-350	M42	70	1.000	8600290
VLBG-PLUS 15t M42	15	¹	222	95	156	100	85	109	36	87	42-263	230	130	129-350	M42	100	1.500	8600291
VLBG-PLUS 20t M48	20	¹	222	95	156	100	95	105	36	87	48-303	230	130	135-350	M48	100	2.000	8600292

¹ Weight depends on the design.

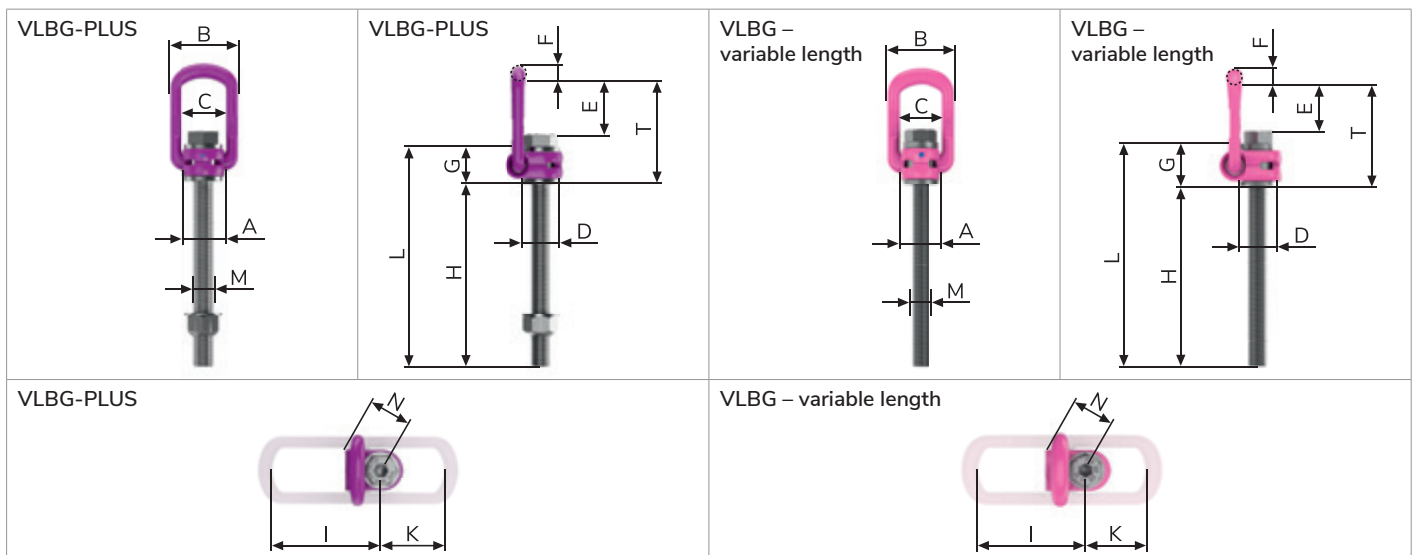
Subject to technical changes!

VLBG-LOAD RING THREAD – METRIC INTERMEDIATE SIZES IN VARIABLE LENGTH – DESIGN FACTOR 4:1.

Type	WLL [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H vario [mm]	I [mm]	K [mm]	L vario [mm]	M	N [mm]	Tightening torque [Nm]	Order no.
VLBG 1.2t M14	1.2	¹	85	33	56	36	30	39	13.5	36	14-129	86	47	50-165	M14	38	120	8600399
VLBG 2t M18	2	¹	110	50	82	54	45	55	16.5	43	18-27	113	64	61-70	M18	48	200	8600384
VLBG 2.5t M22	2.5	¹	110	50	82	54	45	54	16.5	43	22-57	113	64	65-100	M22	48	250	8600385
VLBG 4t M27	4	¹	147	60	103	65	60	59	22.5	61	27-239	151	80	88-300	M27	67	400	8600387

¹ Weight depends on the design.

Subject to technical changes!



VLBG-Z

UNC inch thread / UNC inch thread in variable length.

VLBG-Z-LOAD RING THREAD – UNC INCH THREAD – DESIGN FACTOR 5:1.

Type	WLL [lbs]	Weight [lbs/unit]	T [inch]	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	H [inch]	I [inch]	K [inch]	L [inch]	M	N [inch]	Tightening torque [ft-lbs]	Order no.
VLBG-Z 0.63t3/8"-16UNC	1,110	0.64	2.95	1.18	2.13	1.34	0.94	1.54	0.47	1.14	0.63	2.95	1.77	1.77	3/8"-16UNC	1.26	22	8504256
VLBG-Z 1t1/2"-13UNC	1,760	0.79	2.95	1.26	2.13	1.34	1.02	1.50	0.47	1.14	0.87	2.95	1.77	1.97	1/2"-13UNC	1.26	44	8502349
VLBG-Z 1.5t5/8"-11UNC	2,640	1.10	2.95	1.30	2.20	1.42	1.18	1.54	0.53	1.42	0.94	3.39	1.85	2.36	5/8"-11UNC	1.50	111	8502350
VLBG-Z 2.5t3/4"-10UNC	4,400	2.86	3.35	1.97	3.23	2.13	1.77	2.17	0.65	1.69	1.10	4.45	2.52	2.80	3/4"-10UNC	1.89	111	8502351
VLBG-Z 2.5t7/8"-9UNC	7,040	2.92	4.33	1.97	3.23	2.13	1.77	2.17	0.65	1.69	1.06	4.45	2.52	2.76	7/8"-9UNC	1.89	295	8502352
VLBG-Z 4t1"-8UNC	8,810	3.30	4.92	1.97	3.23	2.13	1.77	2.64	0.71	1.69	1.61	5.12	3.07	3.31	1"-8UNC	1.89	561	8502353
VLBG-Z 5t1 1/4"-7UNC	14,080	7.32	5.79	2.36	4.06	2.56	2.36	2.52	0.89	2.40	1.61	5.94	3.15	4.02	1 1/4"-7UNC	2.64	738	8503187
VLBG-Z 8t1 1/2"-6UNC	35,270	13.51	7.76	3.03	4.80	3.23	2.76	3.82	1.04	3.03	2.44	8.07	4.33	5.51	1 1/2"-6UNC	3.43	590	8504257
VLBG-Z 20t2"-4.5UNC	44,000	25.89	7.76	3.74	6.14	3.94	3.74	4.13	1.42	3.43	2.72	9.06	5.12	6.14	2"-4.5UNC	3.94	738	8504258

Subject to technical changes!

VLBG-Z LOAD RING THREAD – UNC INCH THREAD IN VARIABLE LENGTH – DESIGN FACTOR 5:1.

Type	WLL [lbs]	Weight [lbs/unit]	T [inch]	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	H vario [inch]	I [inch]	K [inch]	L vario [inch]	M	N [inch]	Tightening torque [ft-lbs]	Order no.
VLBG-Z 0.63t3/8"-16UNC	1,110	¹	2.95	1.18	2.13	1.34	0.94	1.54	0.47	1.14	0.63-3.86	2.95	1.77	1.77-5.00	3/8"-16UNC	1.26	22	8600440
VLBG-Z 1t1/2"-13UNC	1,760	¹	2.95	1.26	2.13	1.34	1.02	1.50	0.47	1.14	0.87-4.84	2.95	1.77	1.97-5.98	1/2"-13UNC	1.26	44	8600441
VLBG-Z 1.5t5/8"-11UNC	2,640	¹	2.95	1.30	2.20	1.42	1.18	1.54	0.53	1.42	0.94-5.83	3.39	1.85	2.36-7.24	5/8"-11UNC	1.50	111	8600442
VLBG-Z 2.5t3/4"-10UNC	4,400	¹	3.35	1.97	3.23	2.13	1.77	2.17	0.65	1.69	1.10-7.28	4.45	2.52	2.80-8.98	3/4"-10UNC	1.89	111	8600443
VLBG-Z 2.5t7/8"-9UNC	7,040	¹	4.33	1.97	3.23	2.13	1.77	2.17	0.65	1.69	1.06-8.31	4.45	2.52	2.76-10.00	7/8"-9UNC	1.89	295	8600444
VLBG-Z 4t1"-8UNC	8,810	¹	4.92	1.97	3.23	2.13	1.77	2.64	0.71	1.69	1.61-8.31	5.12	3.07	3.31-10.00	1"-8UNC	1.89	561	8600445
VLBG-Z 5t1 1/4"-7UNC	14,080	¹	5.79	2.36	4.06	2.56	2.36	2.52	0.89	2.40	1.61-10.94	5.94	3.15	4.02-13.35	1 1/4"-7UNC	2.64	738	8600446
VLBG-Z 8t1 1/2"-6UNC	35,270	¹	7.76	3.03	4.80	3.23	2.76	3.82	1.04	3.03	2.44-10.63	8.07	4.33	5.51-13.66	1 1/2"-6UNC	3.43	590	8600447
VLBG-Z 20t2"-4.5UNC	44,000	¹	7.76	3.74	6.14	3.94	3.74	4.13	1.42	3.43	2.72-11.89	9.06	5.12	6.14-15.31	2"-4.5UNC	3.94	738	8600448

¹ Weight depends on the design.

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