VWBG-V / VWBG

VIP-Load ring thread VARIO / VIP-Load ring thread.

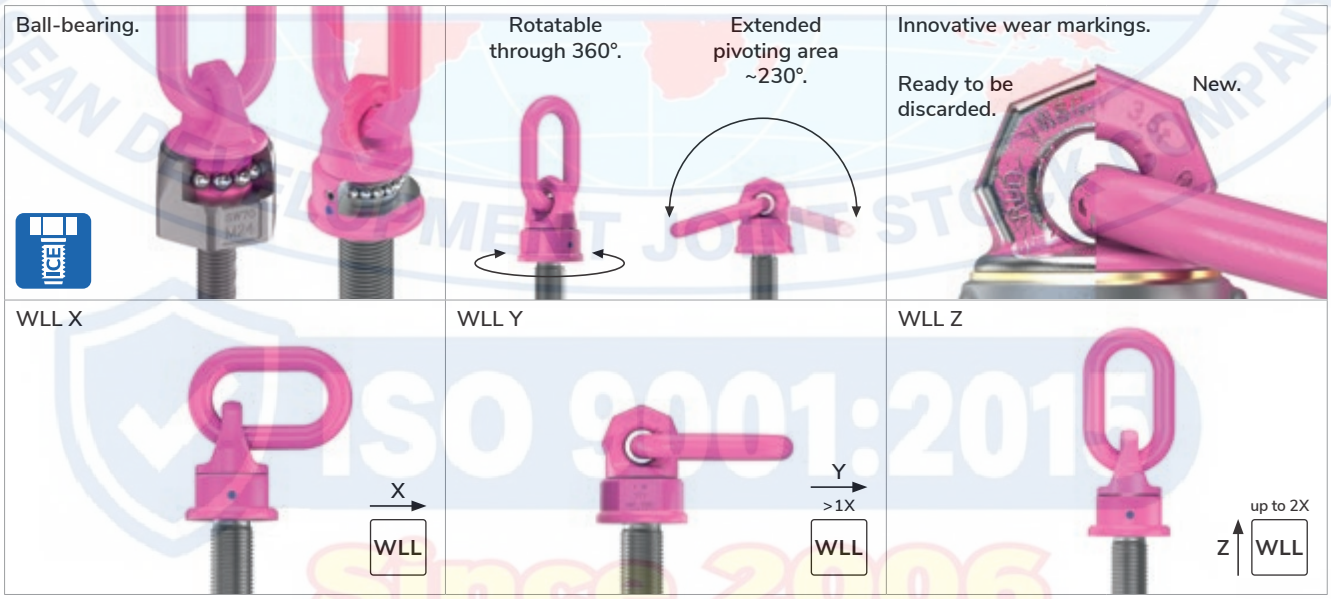
RUD RFID CONNECT IT



VWBG-V VWBG

PRODUCT FEATURES

- Large WLL range 0.3 t–5 t / 6 t–50 t
- Clear indication of the minimum WLL for all loading directions. Higher WLL by optimised attachment or application.
- Rotatable 90° to the bolt-on direction under rated WLL.
- Variable bolt lengths available for use in threaded and through holes.
- VWBG-V: Non-removable special bolt (do not use unsuitable standard screws).
- VWBG-V: RUD bolts with special corrosion protection Corrud-DT.
- Large clearance between the bolt-on surface and load to prevent damage.



✓ VWBG-V: Tested and certified by DGUV.

Test criteria: GS-HM-36:2021-09
Certificate no.: HM 220055

VWBG corresponds with the test criteria: GS-OA-15-04

- 360° rotatable, 230° pivotable.
- Ball bearing for shock-free and less friction when rotating and turning.
- Optical markings to determine the load angle and wear occurrence.

VWBG-V / VWBG

Metric thread.

VWBG-V LOAD RING – METRIC.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-V-0.3t-M8	0.3	0.4	0.6	0.18	76	8	31	29	30	27	13	36	M8	10	7103720
VWBG-V-0.45t-M10	0.45	0.6	0.9	0.29	78	8	31	29	33.5	30	17	38	M10	10	7103715
VWBG-V-0.6t-M12	0.6	0.75	1.2	0.41	107	10	49	35	42	36	21	47	M12	10	7100180
VWBG-V-1t-M14(F=21)	1	1.25	2	0.63	114	13	46	38	48	41	21	56	M14	25	7910221
VWBG-V-1.3t-M16	1.3	1.5	2.6	0.59	114	13	46	38	48	41	25	56	M16	30	7100430
VWBG-V-1.8t-M18(F=27)	1.8	2	3.6	1.18	137	13	54	35	62	55	27	67	M18	50	8600338
VWBG-V-2t-M20	2	2.5	4	1.42	137	13	54	35	62	55	33	67	M20	70	7100800
VWBG-V-2t-M22(F=33)	2	2.5	4	1.45	137	13	54	35	62	55	33	67	M22	120	8600334
VWBG-V-3.5t-M24	3.5	4	7	2.63	173	18	66	40	81	70	40	88	M24	150	7100640
VWBG-V-3.5t-M27(F=41)	3.5	4	7	2.65	173	18	66	40	81	70	41	88	M27	200	8600335
VWBG-V-5t-M30	5	6	10	5.09	221	22	90	50	99	85	50	106	M30	225	7100650

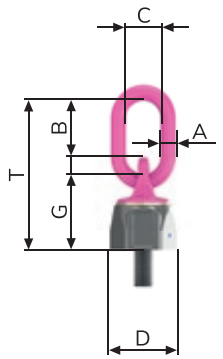
Subject to technical changes!

VWBG LOAD RING – METRIC.

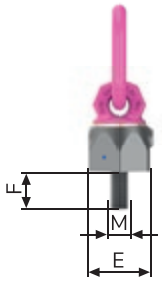
Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-6(7.5)t-M33(F=50)	6	7.5	15	4.7	208	22	86	50	90	80	50	94	M33	350	8600150
VWBG-8(10)t-M36	8	10	15	4.7	208	22	86	50	90	80	54	94	M36	410	7999059
VWBG-12(13)t-M42	12	13	17	6.1	234	26	111	65	98	85	63	95	M42	550	7999044
VWBG-12(15)t-M45	12	15	18	6.2	234	26	111	65	98	85	67	95	M45	550	7900455
VWBG-13(16)t-M48	13	16	18	6.8	234	26	111	65	98	85	68	95	M48	550	7999045
VWBG-14(20)t-M52	14	20	25	10.6	271	32	119	70	120	95	78	120	M52	750	7901081
VWBG-16(22)t-M56	16	22	28	10.7	271	32	119	70	120	95	84	120	M56	800	7999004
VWBG-16(22)t-M60(F=90)	16	22	28	11.4	271	32	119	70	120	95	90	120	M60	800	8600454
VWBG-16(25)t-M64	16	25	28	11.4	271	32	119	70	120	95	94	120	M64	800	7999043
VWBG-31.5(40)t-M72	31.5	40	50	30	338	46	130	90	170	145	108	159	M72	1,200	7900097
VWBG-35(48)t-M80	35	48	50	31	338	46	130	90	170	145	120	159	M80	1,500	7900100
VWBG-40(50)t-M90	40	50	50	35	378	46	168	110	170	145	135	159	M90	2,000	7903408
VWBG-40(50)t-M100(F=150)	40	50	50	37	378	46	168	110	170	145	150	159	M100	2,000	8600458

Subject to technical changes!

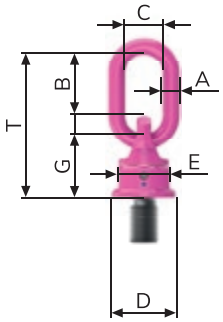
VWBG-V



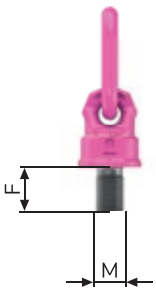
VWBG-V



VWBG



VWBG



VWBG-V / VWBG

Metric fine thread in variable length.

VWBG-V LOAD RING – METRIC FINE THREAD IN VARIABLE LENGTH.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-V-0.6t-M12x1.5	0.6	0.75	1.2	[1]	107	10	49	35	42	36	12–55	47	M12 x 1.5	10	8600332
VWBG-V-1t-M14x1.5	1	1.25	2	[1]	114	13	46	38	48	41	14–65	56	M14 x 1.5	25	8600337
VWBG-V-1.3t-M16x1.5	1.3	1.5	2.6	[1]	114	13	46	38	48	41	16–70	56	M16 x 1.5	30	8600333
VWBG-V-1.8t-M18x1.5	1.8	2	3.6	[1]	137	13	54	35	62	55	18–83	67	M18 x 1.5	50	8600338
VWBG-V-2t-M20x1.5	2	2.5	4	[1]	137	13	54	35	62	55	20–88	67	M20 x 1.5	70	8600334
VWBG-V-3.5t-M24x1.5	3.5	4	7	[1]	173	18	66	40	81	70	24–97	88	M24 x 1.5	150	8600335
VWBG-V-3.5t-M24x2	3.5	4	7	[1]	173	18	66	40	81	70	24–42	88	M24 x 2	150	8600335
VWBG-V-5t-M30x2	5	6	10	[1]	221	22	90	50	99	85	30–125	106	M30 x 2	225	8600336

[1] Weight depends on the design.

Subject to technical changes!

VWBG LOAD RING – METRIC FINE THREAD IN VARIABLE LENGTH.

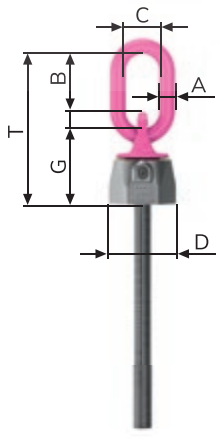
Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-6(7.5)t-M33x2	6	7.5	15	[1]	208	22	86	50	90	80	33–300	94	M33 x 2	350	8600150
VWBG-8(10)t-M36x3	8	10	15	[1]	208	22	86	50	90	80	36–300	94	M36 x 3	410	8600451
VWBG-12(13)t-M42x3	12	13	17	[1]	234	26	111	65	98	85	42–300	95	M42 x 3	550	8600452
VWBG-13(16)t-M48x3	13	16	18	[1]	234	26	111	65	98	85	48–300	95	M48 x 3	550	8600453
VWBG-16(22)t-M56x4	16	22	28	[1]	271	32	119	70	120	95	56–300	120	M56 x 4	800	8600454
VWBG-16(25)t-M64x4	16	25	28	[1]	271	32	119	70	120	95	64–300	120	M64 x 4	800	8600455
VWBG-31.5(40)t-M72x4	31.5	40	50	[1]	338	46	130	90	170	145	72–300	159	M72 x 4	1,200	8600456
VWBG-35(48)t-M80x4	35	48	50	[1]	338	46	130	90	170	145	80–300	159	M80 x 4	1,500	8600457
VWBG-40(50)t-M90x4	40	50	50	[1]	378	46	168	110	170	145	90–300	159	M90 x 4	2,000	8600458

[1] Weight depends on the design.

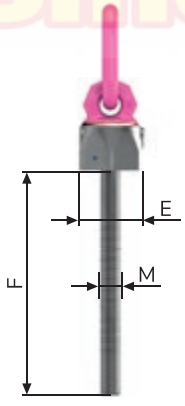
Subject to technical changes!

VWBG: further fine thread designs on request.

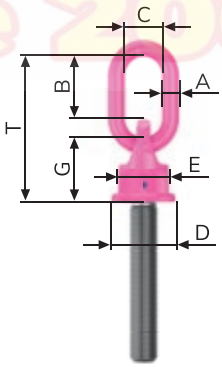
VWBG-V



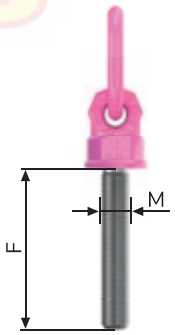
VWBG-V



VWBG



VWBG



VWBG-V / VWBG

Metric thread in variable length.

VWBG-V LOAD RING – METRIC IN VARIABLE LENGTH.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-V-0.3t-M8	0.3	0.4	0.6	[1]	76	8	31	29	30	27	8–102	36	M8	10	8600330
VWBG-V-0.45t-M10	0.45	0.6	0.9	[1]	78	8	31	29	33.5	30	10–122	38	M10	10	8600331
VWBG-V-0.6t-M12	0.6	0.75	1.2	[1]	107	10	49	35	42	36	12–140	47	M12	10	8600332
VWBG-V-1t-M14	1	1.25	2	[1]	114	13	46	38	48	41	14–160	56	M14	25	8600337
VWBG-V-1.3t-M16	1.3	1.5	2.6	[1]	114	13	46	38	48	41	16–225	56	M16	30	8600333
VWBG-V-1.8t-M18	1.8	2	3.6	[1]	137	13	54	35	62	55	18–83	67	M18	50	8600338
VWBG-V-2t-M20	2	2.5	4	[1]	137	13	54	35	62	55	20–223	67	M20	70	8600334
VWBG-V-2t-M22	2	2.5	4	[1]	137	13	54	35	62	55	22–94	67	M22	120	8600334
VWBG-V-3.5t-M24	3.5	4	7	[1]	173	18	66	40	81	70	24–257	88	M24	150	8600335
VWBG-V-3.5t-M27	3.5	4	7	[1]	173	18	66	40	81	70	27–92	88	M27	200	8600335
VWBG-V-5t-M30	5	6	10	[1]	221	22	90	50	99	85	30–330	106	M30	225	8600336

[1] Weight depends on the design.

Subject to technical changes!

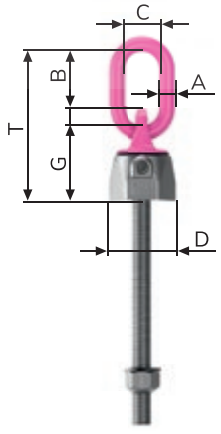
VWBG LOAD RING – METRIC IN VARIABLE LENGTH.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-6(7.5)t	6	7.5	15	[1]	208	22	86	50	90	80	33–300	94	M33	350	8600150
VWBG-8(10)t	8	10	15	[1]	208	22	86	50	90	80	36–300	94	M36–M39	410	8600451
VWBG-12(13)t	12	13	17	[1]	234	26	111	65	98	85	42–300	95	M42–M45	550	8600452
VWBG-13(16)t	13	16	18	[1]	234	26	111	65	98	85	48–300	95	M48–M52	550	8600453
VWBG-14(20)t	14	20	25	[1]	271	32	119	70	120	95	52–300	120	M52	750	8600158
VWBG-16(22)t	16	22	28	[1]	271	32	119	70	120	95	56–300	120	M56–M60	800	8600454
VWBG-16(25)t	16	25	28	[1]	271	32	119	70	120	95	64–300	120	M64–M76	800	8600455
VWBG-31.5(40)t	31.5	40	50	[1]	338	46	130	90	170	145	72–300	159	M72–M76	1,200	8600456
VWBG-35(48)t	35	48	50	[1]	338	46	130	90	170	145	80–300	159	M80–M85	1,500	8600457
VWBG-40(50)t	40	50	50	[1]	378	46	168	110	170	145	90–300	159	M90–M150	2,000	8600458

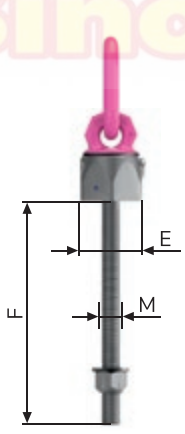
[1] Weight depends on the design.

Subject to technical changes!

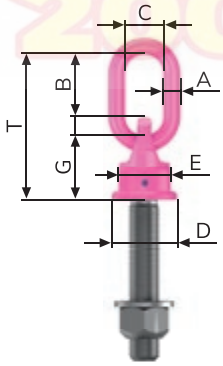
VWBG-V



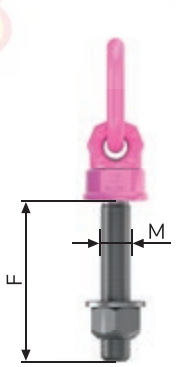
VWBG-V



VWBG



VWBG



VWBG-V

UNC inch thread.

VWBG-V LOAD RING – UNC INCH THREAD.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-V-0.3t-5/16"-18UNC	0.3	0.4	0.6	0.18	76	8	31	29	30	27	13	36	5/16"-18UNC	10	7991090
VWBG-V-0.45t-3/8"-16UNC	0.45	0.6	0.9	0.29	78	8	31	29	33.5	30	17	38	3/8"-16UNC	10	7991091
VWBG-V-0.6t-1/2"-13UNC	0.6	0.75	1.2	0.41	107	10	49	35	42	36	21	47	1/2"-13UNC	10	7991092
VWBG-V-1.3t-5/8"-11UNC	1.3	1.5	2.6	0.52	114	13	46	38	48	41	29	56	5/8"-11UNC	30	7991093
VWBG-V-2t-3/4"-10UNC	2	2.5	4	1.42	137	13	54	35	62	55	28	67	3/4"-10UNC	70	7991094
VWBG-V-3.5t-1"-8UNC	3.5	4	7	2.63	173	18	66	40	81	70	38	88	1"-8UNC	150	7991095
VWBG-V-5t-1 1/4"-7UNC	5	6	10	5.09	221	22	90	50	99	85	47	106	1 1/4"-7UNC	225	7991096

Subject to technical changes!

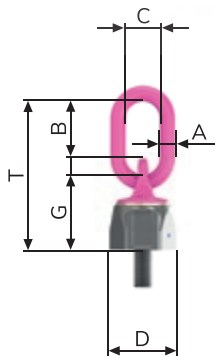
VWBG-V LOAD RING – UNC INCH THREAD IN VARIABLE LENGTH.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	Weight (kg/unit)	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-V-0.45t-3/8"-16UNC	0.45	0.6	0.9	[1]	78	8	31	29	33.5	30	31–124	38	3/8"-16UNC	10	8600331
VWBG-V-0.6t-1/2"-13UNC	0.6	0.75	1.2	[1]	107	10	49	35	42	36	40–149	47	1/2"-13UNC	10	8600332
VWBG-V-1.3t-5/8"-11UNC	1.3	1.5	2.6	[1]	114	13	46	38	48	41	49–180	56	5/8"-11UNC	30	8600333
VWBG-V-2t-3/4"-10UNC	2	2.5	4	[1]	137	13	54	35	62	55	56–222	67	3/4"-10UNC	70	8600334
VWBG-V-3.5t-1"-8UNC	3.5	4	7	[1]	173	18	66	40	81	70	64–246	88	1"-8UNC	150	8600335
VWBG-V-5t-1 1/4"-7UNC	5	6	10	[1]	221	22	90	50	99	85	77–331	106	1 1/4"-7UNC	225	8600336

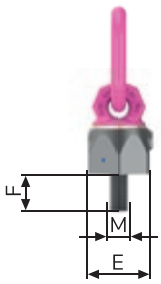
[1] Weight depends on the design.

Subject to technical changes!

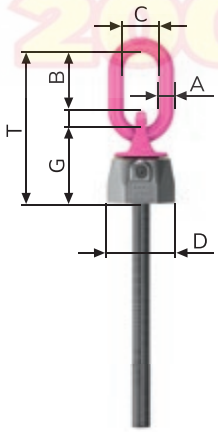
VWBG-V – UNC



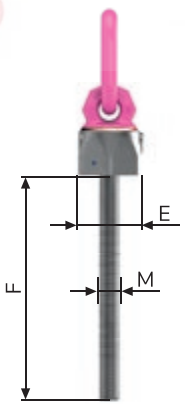
VWBG-V – UNC



VWBG-V – UNC



VWBG-V – UNC



p. 80–81

VWBG

UNC inch thread / BSW-Whitworth inch thread.

VWBG LOAD RING – UNC INCH THREAD IN VARIABLE LENGTH.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-8(10)t-1 1/2"-6UNC(F=57)	8	10	15	208	22	86	50	90	80	36–300	94	1 1/2"-6UNC	410	8600451
VWBG-12(13)t-1 3/4"-5UNC(F=66)	12	13	17	234	26	111	65	98	85	42–300	95	1 3/4"-5UNC	550	8600452
VWBG-13(16)t-2"-4.5UNC(F=76)	13	16	18	234	26	111	65	98	85	48–300	95	2"-4.5UNC	550	8600453
VWBG-16(22)t-2 1/4"-4.5UNC(F=85)	16	22	28	271	32	119	70	120	95	56–300	120	2 1/4"-4.5UNC	800	8600454
VWBG-16(22)t-2 1/2"-4UNC(F=95)	16	22	28	271	32	119	70	120	95	56–300	120	2 1/2"-4UNC	800	8600454
VWBG-16(25)t-2 3/4"-4UNC(F=104)	16	25	28	271	32	119	70	120	95	64–300	120	2 3/4"-4UNC	800	8600455
VWBG-31.5(40)t-3"-4UNC(F=114)	31.5	40	50	338	46	130	90	170	145	72–300	159	3"-4UNC	1,200	8600456
VWBG-35(48)t-3 1/2"-4UNC(F=133)	35	48	50	338	46	130	90	170	145	80–300	159	3 1/2"-4UNC	1,500	8600457
VWBG-40(50)t-4"-4UNC(F=150)	40	50	50	378	46	168	110	170	145	90–300	159	4"-4UNC	2,000	8600458
VWBG-40(50)t-4 1/2"-4UNC(F=170)	40	50	50	378	46	168	110	170	145	90–300	159	4 1/2"-4UNC	2,000	8600458
VWBG-40(50)t-5"-4UNC(F=190)	40	50	50	378	46	168	110	170	145	90–300	159	5"-4UNC	2,000	8600458

Weight depends on the design.

Subject to technical changes!

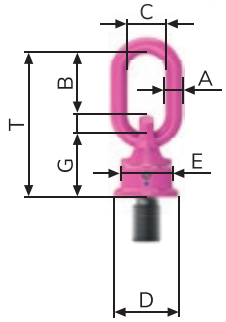
VWBG LOAD RING – BSW-WHITWORTH INCH THREAD IN VARIABLE LENGTH.

Type	WLL-X [t]	WLL-Y [t]	WLL-Z [t]	T [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F vario [mm]	G [mm]	M	Tightening torque [Nm]	Ref. No.
VWBG-8(10)t-1 1/2"-BSW(F=57)	8	10	15	208	22	86	50	90	80	36–300	94	1 1/2"-BSW	410	8600451
VWBG-12(13)t-1 3/4"-BSW(F=66)	12	13	17	234	26	111	65	98	85	42–300	95	1 3/4"-BSW	550	8600452
VWBG-13(16)t-2"-BSW(F=76)	13	16	18	234	26	111	65	98	85	48–300	95	2"-BSW	550	8600453
VWBG-16(22)t-2 1/4"-BSW(F=85)	16	22	28	271	32	119	70	120	95	56–300	120	2 1/4"-BSW	800	8600454
VWBG-16(22)t-2 1/2"-BSW(F=95)	16	22	28	271	32	119	70	120	95	56–300	120	2 1/2"-BSW	800	8600454
VWBG-16(25)t-2 3/4"-BSW(F=104)	16	25	28	271	32	119	70	120	95	64–300	120	2 3/4"-BSW	800	8600455
VWBG-31.5(40)t-3"-BSW(F=114)	31.5	40	50	338	46	130	90	170	145	72–300	159	3"-BSW	1,200	8600456
VWBG-35(48)t-3 1/2"-BSW(F=133)	35	48	50	338	46	130	90	170	145	80–300	159	3 1/2"-BSW	1,500	8600457
VWBG-40(50)t-4"-BSW(F=150)	40	50	50	378	46	168	110	170	145	90–300	159	4"-BSW	2,000	8600458
VWBG-40(50)t-4 1/2"-BSW(F=170)	40	50	50	378	46	168	110	170	145	90–300	159	4 1/2"-BSW	2,000	8600458
VWBG-40(50)t-5"-BSW(F=190)	40	50	50	378	46	168	110	170	145	90–300	159	5"-BSW	2,000	8600458

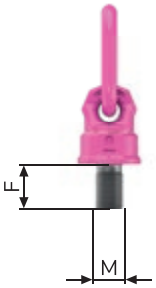
Weight depends on the design.

Subject to technical changes!

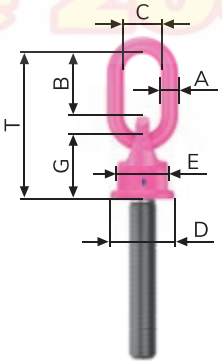
VWBG – UNC



VWBG – UNC



VWBG – BSW-WHITWORTH



VWBG – BSW-WHITWORTH

