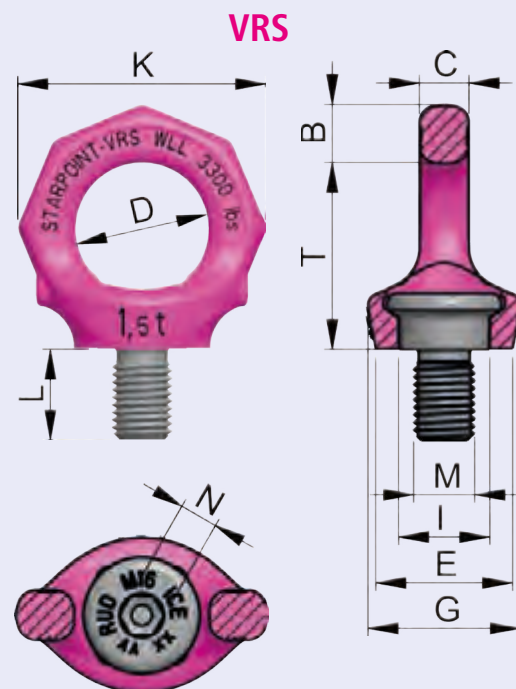
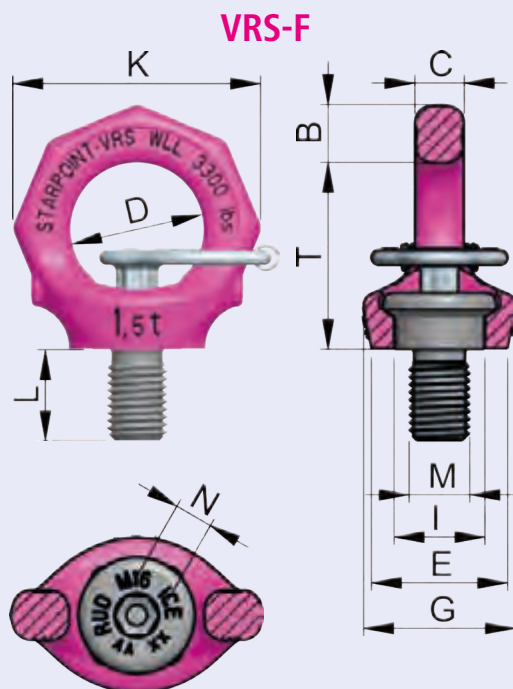


**VRS-F / VRS // metric thread with and without STAR KEY**

Type	WLL [t]	weight VRS-F [kg/pc.]	weight VRS [kg/pc.]	T [mm]	B [mm]	C [mm]	D [mm]	E [mm]	G [mm]	I [mm]	K [mm]	L [mm]	M	N [mm]	torque [Nm]	Ref. No. VRS-F	Ref. No. VRS
VRS-F / VRS STARPOINT – metric with (VRS-F) and without STAR KEY																	
VRS-F-M6 / VRS-M6	0.1	0.07	0.07	28	9	7	20	23	28	13	37	9	M6	6	5	7900906	7900909
VRS-F-M8 / VRS-M8	0.3	0.12	0.1	35	11	9	25	25	30	16.3	47	12	M8	6	10	8500911	7100554
VRS-F-M10 / VRS-M10	0.4	0.12	0.1	35	11	9	25	25	30	16.3	47	15	M10	6	10	7104029	7100555
VRS-F-M12 / VRS-M12	0.75	0.2	0.2	42	13	10	30	30	34	19.8	56	18	M12	8	25	7101313	7100556
VRS-F-M14 / VRS-M14	0.75	0.21	0.2	42	13	10	30	30	34	19.8	56	18	M14	8	30	7999330	7100557
VRS-F-M16 / VRS-M16	1.5	0.3	0.33	49	15	13	35	36	40	23.5	65	24	M16	10	60	7101314	7100558
VRS-F-M16-SL35	1.5	0.3	-	49	15	13	35	36	40	23.5	65	35	M16	10	60	7983306	-
VRS-F-M18 / VRS-M18	1.5	0.35	0.3	49	15	13	35	36	40	23.5	65	24	M18	10	60	7903387	7992219
VRS-F-M20 / VRS-M20	2.3	0.5	0.5	58	17	16	40	41	50	29.3	76	30	M20	12	115	7101315	7100559
VRS-F-M22 / VRS-M22	2.3	0.5	0.61	58	17	16	40	41	50	29.3	76	30	M22	12	125	7992197	7904625
VRS-F-M24 / VRS-M24	3.2	0.8	0.86	70	20	19	49	51	60	35	92	36	M24	14	190	7101316	7100560
VRS-M24-SL2M	3.2	-	1	70	20	19	49	51	60	35	92	48	M24	14	190	-	7990615
VRS-F-M27 / VRS-M27	3.2	1	0.94	70	20	19	49	51	60	35	92	36	M27	14	250	7994138	7904626
VRS-F-M30 / VRS-M30	4.5	1	1.5	87	26	24	60	66	75	44	114	45	M30	17	330	7101317	7100561
VRS-F-M33 / VRS-M33	4.5	1.8	1.66	87	26	24	60	66	75	44	114	45	M33	17	350	7993439	7904627
VRS-F-M36 / VRS-M36	7	3.5	3.5	103	32	29	72	76	97	53	135	54	M36	22	590	7984201	7984198
VRS-F-M36-SL2M	7	-	3.3	103	32	29	72	76	97	53	135	72	M36	22	590	-	7991247
VRS-F-M42	9	4.9	4.6	121	37	33	84	86	111	62	158	63	M42	24	925	7984202	7984199
VRS-F-M48	12	7	7.44	138	42	42	94	100	128	70	180	72	M48	27	1400	7984203	7984200

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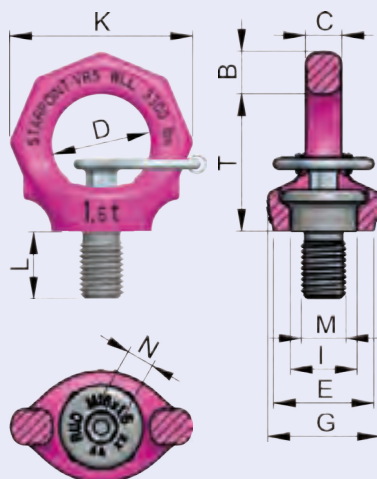
VRS-F / VRS // metric fine thread / metric, longer Vario bolt / pipe thread

Type	WLL [t]	weight [kg/pc.]	T [mm]	B [mm]	C [mm]	D [mm]	E [mm]	G [mm]	I [mm]	K [mm]	L [mm]	M	N [mm]	torque [Nm]	Ref. No. VRS-F
VRS-F STARPOINT – metric fine thread															
VRS-F-M8×1	0.3	0.12	35	11	9	25	25	30	16.3	47	12	M8 x 1	6	10	7904332
VRS-F-M12×1.5	0.75	0.2	42	13	10	30	30	34	19.8	56	18	M12 x 1.5	8	25	7902929
VRS-F-M16×1.5	1.5	0.3	49	15	13	35	36	40	23.5	65	24	M16 x 1.5	10	60	7902676
VRS-F-M20×2	2.3	0.5	58	17	16	40	41	50	29.3	76	30	M20 x 2	12	115	7992634
VRS-F-M24×2	3.2	0.8	70	20	19	49	51	60	35	92	36	M24 x 2	14	190	7992566
VRS-F-M30×2	4.5	1.6	87	26	24	60	66	75	44	114	45	M30 x 2	17	330	7991856
VRS-M36×3	7	3.5	103	32	29	72	76	97	53	135	54	M36 x 3	22	59	7992728
VRS-F STARPOINT – metric with longer Vario bolt															
VRS-F-M10	0.4	*	35	11	9	25	25	30	16.3	47	16-70	M10	6	10	8600270
VRS-F-M12	0.75	*	42	13	10	30	30	34	19.8	56	19-150	M12	8	25	8600271
VRS-F-M16	1.5	*	49	15	13	35	36	40	23.5	65	16-120	M16	10	60	8600272
VRS-F-M20	2.3	*	58	17	16	40	41	50	29.3	76	31-160	M20	12	115	8600273
VRS-F-M24	3.2	*	70	20	19	49	51	60	35	92	37-140	M24	14	190	8600274
VRS-F-M30	4.5	*	87	26	24	60	66	75	44	114	46-190	M30	17	330	8600275
Type	WLL [t]	weight [kg/pc.]	T [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	K [mm]	L [mm]	M	N [mm]	torque [Nm]	Ref. No. VRS-G
VRS STARPOINT – pipe thread ISO 228-1 without STAR KEY															
VRS-G 1/4" *	0.75	0.2	42	13	10	30	30	–	38	56	18	G 1/4"	8	25	7999269
VRS-G 1/2"	0.75	0.3	52	13	10	30	35	30	–	56	20	G 1/2"	8	25	7998682
VRS-G 3/4"	1.5	0.53	61	15	13	35	42	36	–	65	23	G 3/4"	10	60	7998880
VRS-G 1"	1.5	0.5	61	15	13	35	47	41	–	65	32	G 1"	10	60	7999163
VRS-G 1-1/4"	1.5	1	64	15	13	35	58	50	–	65	40	G 1-1/4"	10	60	7903732
VRS-G 2"	1.5	1.5	64	15	13	35	81	70	–	65	45	G 2"	10	100	7999164
VRS-G 2"	2.3	1.9	73	17	16	40	81	70	–	76	45	G 2"	12	115	7900433
VRS-G 3"	1.5	3.3	64	15	13	35	115	100	–	65	45	G 3"	10	100	7905324

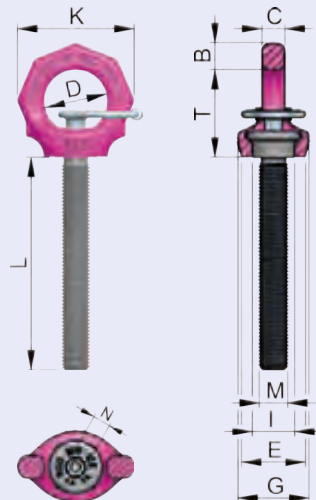
* = identically constructed as VRS metric thread

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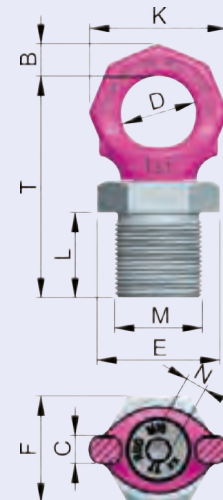
**VRS-F – metric
fine thread**



**VRS-F – metric,
longer Vario bolt**



VRS-G – pipe thread



**VRS-F / VRS // UNC inch thread with and without STAR KEY**

Type	WLL [t]	weight VRS-F [kg/pc.]	weight VRS [kg/pc.]	T [mm]	B [mm]	C [mm]	D [mm]	E [mm]	G [mm]	I [mm]	K [mm]	L [mm]	M	N [mm]	torque [Nm]	Ref. No. VRS-F	Ref. No. VRS
VRS-F / VRS STARPOINT – UNC inch thread with (VRS-F) and without STAR KEY																	
VRS-F 5/16"-18UNC	0.3	0.13	-	35	11	9	25	25	30	16.3	47	12	5/16"-18UNC	1/4"	10	7999106	-
VRS-1/4"-20UNC	0.1	-	0.24	28	9	7	20	23	28	13	37	9	1/4"-20UNC	1/4"	5	-	7999105
VRS-F 3/8"-16UNC	0.4	0.12	-	35	11	9	25	25	30	16.3	47	19	3/8"-16UNC	1/4"	10	7104480	-
VRS-3/8"-16UNC	0.4	-	0.09	35	11	9	25	25	30	16.3	47	15	3/8"-16UNC	1/4"	15	-	7103959
VRS-F / VRS-7/16"-14UNC	0.4	0.12	0.1	35	11	9	25	25	30	16.3	47	19	7/16"-14UNC	1/4"	10	7904195	7903118
VRS-F / VRS-1/2"-13UNC	0.75	0.22	0.2	42	13	10	30	30	34	19.8	56	19	1/2"-13UNC	5/16"	25	7104481	7103960
VRS-F / VRS-5/8"-11UNC	1.5	0.33	0.3	49	15	13	35	36	40	23.5	65	24	5/8"-11UNC	3/8"	60	7104482	7103961
VRS-F / VRS-3/4"-10UNC	1.5	0.45	0.35	49	15	13	35	36	40	23.5	65	24	3/4"-10UNC	1/2"	115	7104483	7103962
VRS-F / VRS-7/8"-9UNC	2.3	0.64	0.6	58	17	16	40	41	50	29.5	76	33	7/8"-9UNC	1/2"	115	7104484	7103963
VRS-F / VRS-1"-8UNC	3.2	0.98	0.9	70	20	19	49	51	60	35	92	38	1"-8UNC	9/16"	190	7104485	7103964
VRS-F / VRS-1 1/8"-8UN	3.2	0.98	0.9	70	20	19	49	51	60	35	92	36	1 1/8"-8UN	9/16"	250	7903386	7999385
VRS-F / VRS-1 1/8"-7UNC	3.2	0.98	0.9	70	20	19	49	51	60	35	92	36	1 1/8"-7UNC	9/16"	250	7903383	7999384
VRS-F / VRS-1 1/4"-7UNC	4.5	1.82	1.7	87	26	24	60	66	75	44	114	48	1 1/4"-7UNC	3/4"	330	7104486	7103965
VRS-F / VRS-1 1/2"-6UNC	7	3.6	2.9	103	32	29	72	76	97	53	135	54	1 1/2"-6UNC	7/8"	590	7104487	7103966
VRS-F / VRS-1 3/4"-5UNC	9	4.95	4.6	121	37	33	84	86	111	62	158	63	1 3/4"-5UNC	1"	925	7104488	7103967
VRS-F-2"-4.5UNC	12	7.6	7	138	42	42	94	100	128	70	180	72	2"-4.5UNC	1 1/8"	1400	7104469	7103968

subject to technical modifications

