

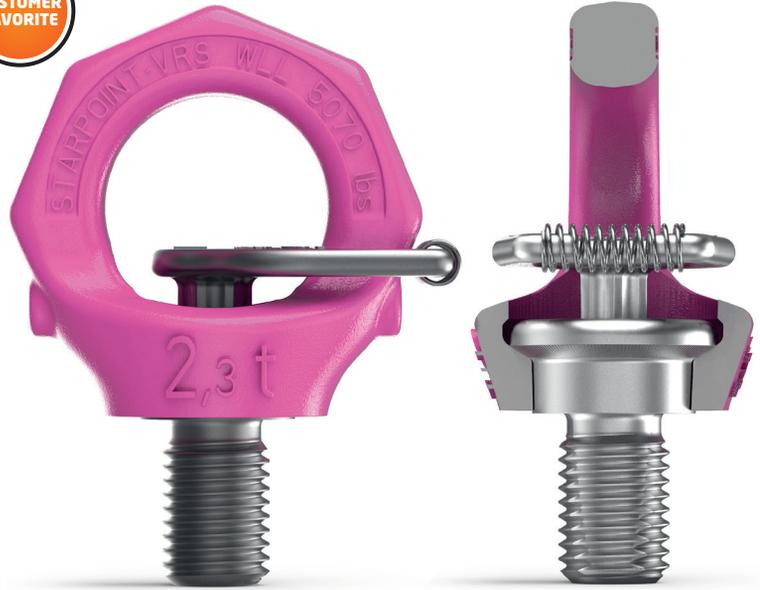
# VRS-F Starpoint

## Swivel Eye Bolt



**Product Features:**

- Large WLL range 0.1 t – 20 t
- Sizes M6-M24 include a non-detachable, unique RUD ICE-bolt that performs better at temperature extremes, allowing a higher bending strength and less wear
- Variable bolt lengths available for use in threaded and through holes
- Rotatable through 360°
- Much higher WLL than standard eye bolts in accordance with DIN 580
- Star profile key for simple installation and removal



VRS-F (with Star profile key)



### VRS vs. Standard Eyebolt

See why the RUD VRS performs better than a standard eyebolt.



### PRODUCT DETAILS

RUD ICE-Bolt up to M24



Rotatable through 360°. Simple adjustment in load direction



Variable bolt length



Star profile key –

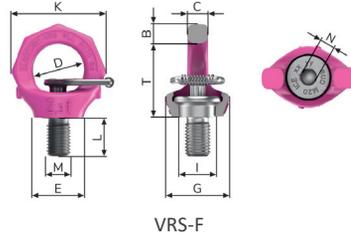
Metric

UNC inch thread

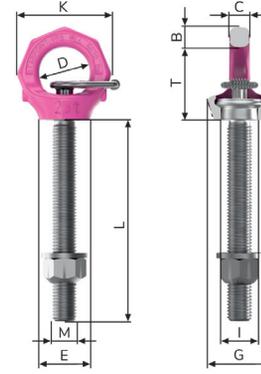


# VRS-F Starpoint

## Metric/UNC Thread With Star Key



VRS-F



VRS-F – Variable Length

### VRS-F Starpoint - Metric with Star Key

Type	WLL (t)	Weight VRS-F (kg/unit)	Weight VRS (kg/unit)	T (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	I (mm)	K (mm)	L (mm)	M	N (mm)	Tightening Torque (Nm)	Model Number
VRS-F-M6 / VRS-M6	0.1	0.07	0.07	28	9	7	20	23	28	13	37	9	M6	6	5	7900906
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
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
VRS-F-M12 / VRS-M12	0.75	0.19	0.19	42	13	10	30	30	34	19.8	56	18	M12	8	25	7101313
VRS-F-M14 / VRS-M14	0.75	0.22	0.2	42	13	10	30	30	34	19.8	56	18	M14	8	30	7999330
VRS-F-M16 / VRS-M16	1.5	0.36	0.33	49	15	13	35	36	40	23.5	65	24	M16	10	60	7101314
VRS-F-M18 / VRS-M18	1.5	0.37	0.33	49	15	13	35	36	40	23.5	65	24	M18	10	60	7903387
VRS-F-M20 / VRS-M20	2.3	0.6	0.54	58	17	16	40	41	50	29.3	76	30	M20	12	115	7101315
VRS-F-M22 / VRS-M22	2.3	0.62	0.56	58	17	16	40	41	50	29.3	76	30	M22	12	125	7992197
VRS-F-M24 / VRS-M24	3.2	1.06	0.97	70	20	19	49	51	60	35	92	36	M24	14	190	7101316
VRS-F-M27 / VRS-M27	3.2	1.08	1	70	20	19	49	51	60	35	92	36	M27	14	250	7994138
VRS-F-M30 / VRS-M30	4.5	2.08	1.92	87	26	24	60	66	75	44	114	45	M30	17	330	7101317
VRS-F-M33 / VRS-M33	4.5	2.13	1.97	87	26	24	60	66	75	44	114	45	M33	17	350	7993439
VRS-F-M36 / VRS-M36	7	3.5	3.3	104	32	29	73	76	98	53	135	54	M36	22	590	7984201
VRS-F-M42 / VRS-M42	9	5.4	5	122	36	34	85	86	109	62	157	63	M42	24	925	7984202
VRS-F-M48 / VRS-M48	12	8.1	7.6	138	42	38	96	101	128	70	179	72	M48	27	1400	7984203
VRS-F-M56 / VRS-M56*	16	13	11.9	161	50	44	110	112	145	82	209	84	M56	32	1400	7910836
VRS-F-M64 / VRS-M64*	20	17.8	16.2	176	55	48	120	122	157	90	228	96	M64	36	1400	7910837

Subject to technical changes!

### VRS-F Starpoint - Metric with Variable Length

Type	WLL (t)	Weight (kg/unit)	T (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	I (mm)	K (mm)	L Vario (mm)	M	N (mm)	Tightening Torque (Nm)	Model Number
VRS-F-M10	0.4	<sup>1</sup>	35	11	9	25	25	30	16.3	47	16-70	M10	6	10	8600270
VRS-F-M12	0.75	<sup>1</sup>	42	13	10	30	30	34	19.8	56	19-150	M12	8	25	8600271
VRS-F-M16	1.5	<sup>1</sup>	49	15	13	35	36	40	23.5	65	25-120	M16	10	60	8600272
VRS-F-M20	2.3	<sup>1</sup>	58	17	16	40	41	50	29.3	76	31-160	M20	12	115	8600273
VRS-F-M24	3.2	<sup>1</sup>	70	20	19	49	51	60	35	92	37-140	M24	14	190	8600274
VRS-F-M30	4.5	<sup>1</sup>	87	26	24	60	66	75	44	114	46-190	M30	17	330	8600275

<sup>1</sup> Weight depends on the design.  
Subject to technical changes!

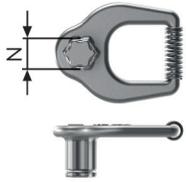
### VRS-F Starpoint - UNC with Star Key

Type	WLL (t)	Weight VRS-F (kg/unit)	Weight VRS (kg/unit)	T (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	I (mm)	K (mm)	L (mm)	M	N (mm)	Tightening Torque (Nm)	Model Number
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 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-F / VRS-3/8"-16UNC	0.4	0.12	0.11	35	11	9	25	25	30	16.3	47	15	3/8"-16UNC	1/4"	10	7104480
VRS-F- / VRS-7/16"-14UNC	0.4	0.12	0.1	35	11	9	25	25	30	16.3	47	15	7/16"-14UNC	1/4"	10	7904195
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
VRS-F- / VRS-5/8"-11UNC	1.5	0.35	0.54	49	15	13	35	36	40	23.5	65	24	5/8"-11UNC	3/8"	60	7104482
VRS-F- / VRS-3/4"-10UNC	1.5	0.58	0.35	58	17	16	40	41	50	29.5	76	30	3/4"-10UNC	1/2"	115	7104483
VRS-F- / VRS-7/8"-9UNC	2.3	0.61	0.7	58	17	16	40	41	50	29.5	76	33	7/8"-9UNC	1/2"	115	7104484
VRS-F- / VRS-1"-8UNC	3.2	1.04	0.97	70	20	19	49	51	60	35	92	38	1"-8UNC	9/16"	190	7104485
VRS-F- / VRS-1-1/8"-8UNC	3.2	1.08	1	70	20	19	49	51	60	35	92	36	1-1/8"-8UNC	9/16"	250	7903386
VRS-F- / VRS-1-1/8"-7UNC	3.2	1.08	1	70	20	19	49	51	60	35	92	36	1-1/8"-7UNC	9/16"	250	7903383
VRS-F- / VRS-1-1/4"-7UNC	4.5	2.08	1.95	87	26	24	60	66	75	44	114	48	1-1/4"-7UNC	3/4"	330	7104486
VRS-F- / VRS-1-1/2"-6UNC	7	3.6	2.9	104	32	29	73	76	98	53	135	54	1-1/2"-6UNC	7/8"	590	7104487
VRS-F- / VRS-1-3/4"-5UNC	9	4.95	4.6	122	36	34	85	86	109	62	158	63	1-3/4"-5UNC	1"	925	7104488
VRS-F-2"-4.5UNC	12	7.6	7	138	42	38	96	101	128	70	180	72	2"-4.5UNC	1-1/8"	1400	7104489

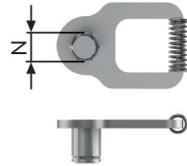
\* This product is not sold with a Star Key.  
Subject to technical changes!

# VRS

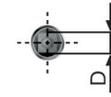
## Star Profile Key/Socket Key



VRS Star Profile Key – Metric



VRS Star Profile Key – UNC Inch Thread



VRS Socket Key

### VRS-Star Profile Key - Metric

Type	Weight (kg/unit)	A (mm)	B (mm)	D (mm)	N (mm)	M	Model Number
Star profile key, width across flats 6	0.02	-	-	-	6	M6 + M8 + M10	7983986
Star profile key, width across flats 8	0.02	-	-	-	8	M12 + M14	7905453
Star profile key, width across flats 10	0.03	-	-	-	10	M16 + M18	7903254
Star profile key, width across flats 12	0.04	-	-	-	12	M20 + M22	7904282
Star profile key, width across flats 14	0.08	-	-	-	14	M24 + M27	7904283
Star profile key, width across flats 17	0.12	-	-	-	17	M30 + M33	7904284
Star profile key, width across flats 22	0.15	-	-	-	22	M36	7904285
Star profile key, width across flats 24	0.3	-	-	-	24	M42	7904286
Star profile key, width across flats 27	0.4	-	-	-	27	M48	7904287
Star profile key, width across flats 32	1.1	-	-	-	32	M56	7911045
Star profile key, width across flats 36	1.3	-	-	-	36	M64	7911046

Subject to technical changes!

### VRS-Star Profile Key - UNC

Type	Weight (kg/unit)	A (mm)	B (mm)	D (mm)	N (in.)	M	Model Number
Star profile key, width across flats 1/4"	0.02	-	-	-	1/4	5/16"-18UNC + 3/8"-16UNC + 7/16"-14UNC	7983995
Star profile key, width across flats 5/16"	0.02	-	-	-	5/16	1/2"-13UNC	7983996
Star profile key, width across flats 3/8"	0.03	-	-	-	3/8	5/8"-11UNC	7983997
Star profile key, width across flats 1/2"	0.04	-	-	-	1/2	3/4"-10UNC + 7/8"-9UNC	7983998
Star profile key, width across flats 9/16"	0.08	-	-	-	9/16	1"-8UNC + 1-1/8"-8UNC + 1-1/8"-7UNC	7983999
Star profile key, width across flats 5/8"	0.12	-	-	-	5/8	1-1/4"-7UNC	7984000
Star profile key, width across flats 7/8"	0.15	-	-	-	7/8	1-1/2"-6UNC	7984001
Star profile key, width across flats 1"	0.3	-	-	-	1	1-3/4"-5UNC	7984002
Star profile key, width across flats 1-1/8"	0.4	-	-	-	1-1/8	2"-4.5UNC	7984003

Subject to technical changes!

### VRS Socket Key

Type	Weight (kg/unit)	A (mm)	B (mm)	D	N (mm)	M	Model Number
Star profile key, width across flats 6	0.09	118	7.5	1/2"	6	M6 + M8 + M10	7997749
Star profile key, width across flats 8	0.11	118	9	1/2"	8	M12 + M14	7997750
Star profile key, width across flats 10	0.15	138	12	1/2"	10	M16 + M18	7997751
Star profile key, width across flats 12	0.2	137	14	1/2"	12	M20 + M22	7997752
Star profile key, width across flats 14	0.24	140	16.5	1/2"	14	M24 + M27	7997753
Star profile key, width across flats 17	0.47	152	22	3/4"	17	M30 + M33	7902078
Star profile key, width across flats 22	1	192	26	1"	22	M36	7902079
Star profile key, width across flats 24	1.2	276	29	1"	24	M42	7902080
Star profile key, width across flats 27	2	304	33	1"	27	M48	7902081
Star profile key, width across flats 32	2.4	324	38	32 mm	16	M56	7908744
Star profile key, width across flats 36	3.1	324	43	36 mm	20	M64	7907745

Subject to technical changes!