



## Triple Swivel Ring Codipro TSR

### Product information

The TSR ring is a triple swivel model with two pivots. It can be used for smooth tilting, turning and flipping. The optimised design prevents any damage to the sling and load while the ring is swivelling and ensures perfect alignment with the sling. However, the TSR triple swivel ring is not recommended for lengthy rotations of full loads.

It consists of a steel ring that has a rotating range of 360°.

- Maximal articulation
- Move the hook away from the load to lift
- Optimal hook position

**Marking:** According to standard, CE-marked

**Temperature range:** -20°C up to + 200°C

**Standard:** EN 1677-1

**Note:** M48 - M56 have SF 4:1

**Safety factor:** 5:1

Part code	WLL ton	Thread	Torque Nm	Standard L1 mm	A mm	B mm	C mm	D, mm	E mm	F mm	G, mm	H, mm	L1mm mm	S1 mm mm	S2 mm mm	X mm mm	Weight kg
4215TSRM8	0.4	M8 (x1,25)	6	15	33	56	30	41	25	10	58	9.5	15	8	16	18	0.4
4215TSRM10	0.7	M10 (x1,50)	10	18	33	56	30	41	25	10	58	9.5	18	8	16	18	0.4
4215TSRM12	1.05	M12 (x1,75)	15	21	33	56	30	41	25	10	58	9.5	21	8	16	18	0.4
4215TSRM14	1.4	M14 (x2)	30	23	45	81	45	48	34	16	79	13	23	8	20	24	1.1
4215TSRM16	2	M16 (x2)	50	27	45	81	45	48	34	16	79	13	27	8	20	24	1.2
4215TSRM18	2.3	M18 (x2,5)	70	27	45	81	45	48	34	16	79	13	27	8	20	24	1.2
4215TSRM20	2.5	M20 (x2,5)	100	30	45	81	45	48	34	16	79	13	30	8	20	24	1.2
4215TSRM22	3	M22 (x2,5)	120	33	62	105	60	80	45	20	106	19	33	14	24	45	2.8
4215TSRM24	4	M24 (x3)	160	36	62	105	60	80	45	20	106	19	36	14	24	45	2.9
4215TSRM27	5	M27 (x3)	200	36	62	105	60	80	45	20	106	19	36	14	24	45	2.9
4215TSRM30	6.3	M30 (x3,5)	250	45	62	105	60	80	45	20	106	19	45	14	24	45	3
4215TSRM36	10	M36 (x4)	320	54	81	140	80	111	71	30	148	26.5	54	19	30	54	7.6
4215TSRM42	12.5	M42 (x4,5)	400	63	84	146	80	111	71	30	148	26.5	63	19	30	58	7.8
4215TSRM48	20	M48 (x5)	600	68	100	178	110	135	90	42	180	33	68	19	30	69	17.5
4215TSRM56	22	M56 (x5,5)	600	78	104	184	110	135	90	42	190	33	78	19	30	73	18

## Technical data

5:1

METRIC THREADS

Torque (Nm)



max. load in t

		1	2	1	2	2	2	Asymmetric	3 → 4	3 → 4	Asymmetric
Number of rings		1	2	1	2	0° → 45°	45° → 60°	Asymmetric	0° → 45°	45° → 60°	Asymmetric
Lifting angle β		0°	0°	0°	0°	0° → 45°	45° → 60°	Asymmetric	0° → 45°	45° → 60°	Asymmetric
Loading angle α		0°	0°	90°	90°	0° → 45°	45° → 60°	Asymmetric	0° → 45°	45° → 60°	Asymmetric
TSR M 8	6	0,40	0,80	0,40	0,80	0,56	0,40	0,40	0,84	0,60	0,40
TSR M 10	10	0,70	1,40	0,70	1,40	0,98	0,70	0,70	1,47	1,05	0,70
TSR M 12	15	1,05	2,10	1,05	2,10	1,47	1,05	1,05	2,21	1,58	1,05
TSR M 14	30	1,40	2,80	1,40	2,80	1,96	1,40	1,40	2,94	2,10	1,40
TSR M 16	50	2,00	4,00	2,00	4,00	2,80	2,00	2,00	4,20	3,00	2,00
TSR M 18	70	2,30	4,60	2,30	4,60	3,22	2,30	2,30	4,83	3,45	2,30
TSR M 20	100	2,50	5,00	2,50	5,00	3,50	2,50	2,50	5,25	3,75	2,50
TSR M 22	120	3,00	6,00	3,00	6,00	4,20	3,00	3,00	6,30	4,50	3,00
TSR M 24	160	4,00	8,00	4,00	8,00	5,60	4,00	4,00	8,40	6,00	4,00
TSR M 27	200	5,00	10,00	5,00	10,00	7,00	5,00	5,00	10,50	7,50	5,00
TSR M 30	250	6,30	12,60	6,30	12,60	8,82	6,30	6,30	13,23	9,45	6,30
TSR M 36	320	10,00	20,00	10,00	20,00	14,00	10,00	10,00	21,00	15,00	10,00
TSR M 42	400	12,50	25,00	12,50	25,00	17,50	12,50	12,50	26,25	18,75	12,50
TSR M 48	600	20,00	40,00	20,00	40,00	28,00	20,00	20,00	42,00	30,00	20,00
TSR M 56	600	22,00	44,00	22,00	44,00	30,80	22,00	22,00	46,20	33,00	22,00

4:1

# Blueprint

