

## 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	L1 mm	S1 mm	S2 mm	X mm	Weight kg	Delivery time
4215TSRM8	0.4	M8 (x1,25)	6	15	33	56	30	41	25	10	58	9.5	15	8	16	18	0.4	5
4215TSRM10	0.7	M10 (x1,50)	10	18	33	56	30	41	25	10	58	9.5	18	8	16	18	0.4	5
4215TSRM12	1.05	M12 (x1,75)	15	21	33	56	30	41	25	10	58	9.5	21	8	16	18	0.4	5
4215TSRM14	1.4	M14 (x2)	30	23	45	81	45	48	34	16	79	13	23	8	20	24	1.1	5
4215TSRM16	2	M16 (x2)	50	27	45	81	45	48	34	16	79	13	27	8	20	24	1.2	5
4215TSRM18	2.3	M18 (x2,5)	70	27	45	81	45	48	34	16	79	13	27	8	20	24	1.2	5
4215TSRM20	2.5	M20 (x2,5)	100	30	45	81	45	48	34	16	79	13	30	8	20	24	1.2	5

## 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	2	2	Asymmetric	3 → 4	3 → 4	Asymmetric
Lifting angle $\beta$		0°	0°	0°	0°	0° → 45°	45° → 60°	Asymmetric	0° → 45°	45° → 60°	Asymmetric
Loading angle $\alpha$		0°	0°	90°	90°	0° → 45°	45° → 60°		0° → 45°	45° → 60°	
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

