Lifting Solutions Group
Axel Johnson International

Master Link Assembly MC1 POWERTEX

Product information



The POWERTEX Master Link Assembly MC1 is a Grade 10 master link assembly with an integrated connector and shortening hook for one-leg chain sling assemblies. The integrated design allows the sling length to be adjusted quickly for different lifting applications while reducing the number of separate components compared with a traditional assembly.

Available for 6 mm up to 16 mm chain and from WLL 1,4t up to WLL 10t.
All models have a welded master link and forged connector.

Also available as MC2 for two-legged assemblies and MC4 for four-legged assemblies.

Best used for

- One-leg Grade 10 chain sling assemblies.
- Lifting applications requiring quick and easy sling length adjustment.

Product benefits:

- Integrated connector and shortening hook simplify sling length adjustment.
- Combined design reduces components, weight, and assembly costs.
- Designed as the top assembly for one-leg chain sling configurations.
- Grade 10 design delivers 25% higher capacity than traditional Grade 8 components.
- Conforms to EN 1677 Parts 1, 2, 3 and 4 with 25% increased WLL.
- Each forged component is crack detection tested. Production samples are proof-load tested, and the design is factory-type tested.
- The design is fatigue tested to 20,000 cycles at 1.5 × WLL, with batch traceability and a POWERTEX 2.2 certificate.
- The components may also be used with Grade 8 chain to EN 818-2 ... *Read more*

Marking: According to standard, POWERTEX + Model (MC1-6-10) + traceability code.
Temperature range: -40°C up to +200°C without reduction in WLL
Finish: Powder painted in red
Standard: EN 1677-4 (+25% WLL) , AS 3776
Note: All models are welded

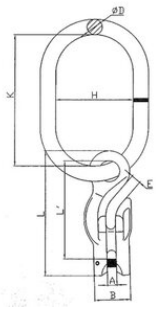
Safety factor: 4:1
Grade: 10

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Blueprint



Technical data

Part code	Code	WLL ton	EWL mm	For chain, 1-leg mm	A mm	B mm	D mm	E mm	H mm	K mm	L mm	L' mm	Weight kg
402100140790	MC1-6-10	1.4	198	6	8	32	13	8	60	110	112	88	1.24
402100250790	MC1-8-10	2.5	236	8	10	36	14	10	70	120	145	116	1.81
402100400790	MC1-10-10	4	285	10	12.5	48	17	12.5	80	140	184	145	3.41
402100670790	MC1-13-10	6.7	338	13	15.5	59.5	22	15.5	95	160	223	178	6.2
402101000790	MC1-16-10	10	406	16	19	70	25	19	110	190	273	216	11.25

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