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

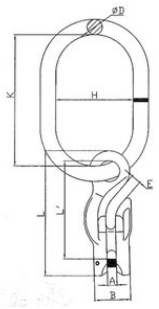
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## Blueprint



## 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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