

MECLEV[®] (MECHANICAL LEVELLING)

The MecLev[®] is an adjustable and re-usable steel mounting chock, that can be used for mounting all types of rotating or critically aligned machinery. The MecLev[®] is a mechanical stiff chock that is very easy to install and makes machinery alignment more simple, accurate and quick! The self-levelling feature (spherical top part adjust itself to the correct angle when installing the element) in combination with height adjustment, helps eliminate the risk of soft foot problems underneath your machinery!

WHY USE MECLEV[®] INSTEAD OF EXISTING SOLUTIONS?

- MecLev[®] elements help to align and re-align your machinery quick and accurate
- MecLev[®] guarantees fast and simple elimination of soft foot under your machinery
- MecLev[®] elements eliminate time consuming and expensive machining of steel chocks
- MecLev[®] elements eliminate the extra work required when installing epoxy resin chocks
- MecLev[®] elements are re-usable
- MecLev[®] elements are self-levelling
- MecLev[®] elements can handle angular difference between machine foot and foundation up to 4°
- MecLev[®] offers the highest adjustable range on the market for adjustable chocks
- MecLev[®] offers the highest rated load on the market for adjustable chocks
- MecLev[®] offers the best mechanical properties on the market for adjustable chocks
- MecLev[®] elements are designed by people with more than 25 years of field experience



SOME APPLICATIONS

- Compressors
- Engines
- Electric engines
- Generators
- Pumps
- Gearboxes
- Fans
- Machining tools

THE MECLEV[®] DESIGN

Years of field experience, combined with the newest calculation methods have resulted in an exceptional design with already proven success, making MecLev[®] the best adjustable chock design on the market.

STANDARD SURFACE TREATMENT

All standard steel MecLev® elements are treated with a surface treatment, which gives the elements its gunmetal look. The element parts are individually treated to achieve the highest quality.

As an extra protection against corrosion and debris in the thread, we advise you to treat the elements with tectyl or similar protective product to increase the elements lifecycle to a maximum.

The surface treatment gives the MecLev® some important mechanical benefits:

- High resistance against corrosion;
- High resistance against metal fatigue;
- High wear resistance;
- Low surface roughness, Ra0,5.
(results in smooth running parts!)

SELECTING YOUR MECLEV®

| MecLev size | Bolt size | Tightening torque | Bolt size | Tightening torque | Bolt size | Tightening torque | Minimal height | Nominal height | Maximum height | Minimum reduced height | Maximum extended height | Outside diameter | Key holes | Pitch | Rated load | Weight |
|-------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|----------------|----------------|----------------|------------------------|-------------------------|------------------|-----------|-------|------------|--------|
| - | M | Nm | M | Nm | M | Nm | mm | mm | mm | mm | mm | mm | mm | mm | kN | Kg |
| ML-1216 | 12 | 81 | 14 | 129 | 16 | 200 | 30,0 | 34,0 | 38,0 | 23,0 | 55,0 | 55 | 5 | 2 | 120 | 0,5 |
| ML-1620 | 16 | 200 | 18 | 287 | 20 | 405 | 35,0 | 41,5 | 48,0 | 23,0 | 75,0 | 75 | 6 | 2 | 165 | 1,1 |
| ML-2024 | 20 | 405 | 22 | 556 | 24 | 698 | 40,0 | 46,5 | 53,0 | 28,0 | 95,0 | 95 | 8 | 2 | 245 | 2 |
| ML-2430 | 24 | 698 | 27 | 1033 | 30 | 1402 | 45,0 | 53,0 | 61,0 | 30,0 | 115,0 | 115 | 8 | 2 | 320 | 3,3 |
| ML-3036 | 30 | 1402 | 33 | 1898 | 36 | 2439 | 50,0 | 58,0 | 66,0 | 35,0 | 130,0 | 130 | 8 | 2 | 500 | 4,6 |
| ML-3642 | 36 | 2439 | 39 | 3159 | 42 | 3904 | 55,0 | 63,0 | 71,0 | 40,0 | 150,0 | 150 | 8 | 2 | 700 | 6,7 |
| ML-4248 | 42 | 3904 | 45 | 4876 | 48 | 5897 | 60,0 | 68,0 | 76,0 | 45,0 | 180,0 | 180 | 10 | 2 | 955 | 10,5 |
| ML-4856 | 48 | 5897 | 52 | 7579 | 56 | 9454 | 70,0 | 79,0 | 88,0 | 53,0 | 210,0 | 210 | 10 | 3 | 1265 | 16,8 |
| ML-5664 | 56 | 9454 | 60 | 11729 | 64 | 14119 | 75,0 | 84,0 | 93,0 | 58,0 | 220,0 | 220 | 10 | 3 | 1490 | 19,6 |
| ML-6472 | 64 | 14119 | 68 | * | 72 | * | 80,0 | 89,0 | 98,0 | 63,0 | 240,0 | 240 | 10 | 3 | 1840 | 27,5 |
| ML-1216LAS | 12 | 81 | 16 | 200 | 20 | 405 | 20,0 | 25,0 | 30,0 | 15,0 | 55,0 | 55 | 5 | 2 | 175* | 0,3 |
| ML-1620LAS | 16 | 200 | 20 | 405 | 24 | 698 | 20,0 | 25,0 | 30,0 | 15,0 | 75,0 | 75 | 6 | 2 | 305* | 0,6 |
| ML-2024LAS | 20 | 405 | 24 | 698 | 30 | 1402 | 20,0 | 25,0 | 30,0 | 15,0 | 95,0 | 95 | 8 | 2 | 410* | 1,0 |
| ML-2430LAS | 24 | 698 | 30 | 1402 | 36 | 2439 | 20,0 | 25,0 | 30,0 | 15,0 | 115,0 | 115 | 8 | 2 | 440* | 1,4 |
| ML-3036LAS | 30 | 1402 | 36 | 3904 | 42 | 3904 | 20,0 | 25,0 | 30,0 | 15,0 | 130,0 | 130 | 8 | 2 | 500* | 1,7 |
| ML-3642LAS | 36 | 2439 | 42 | 5897 | 48 | 5897 | 30,0 | 35,0 | 40,0 | 20,0 | 150,0 | 150 | 8 | 2 | 980* | 3,1 |

*The maximum value vary in case of type approval; look for these values in the applicable certificate.

**COOPERATING
PARTNERS**



MORE DETAILED INFORMATION AND MOUNTING INSTRUCTIONS?

Please visit our website (www.meclev.com) or contact your local MecLev® dealer!