BESTSELLER

Axles and shafts, Linear Shafts

What really is the difference between rotary shafts and linear shafts? MISUMI offers a wide range of “cylindrical components“ for different applications like rotary shafts, linear shafts and rods.

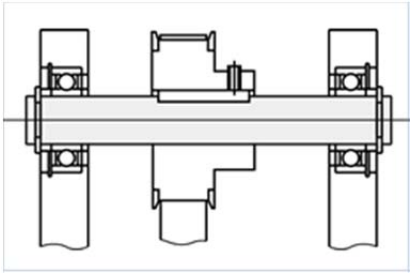
Linear shafts

… are used to carry and lead movable components like linear bearings. When in use they are static.

- Material: 1.3505/100Cr6; 1.4125/X105CrMo17 and 1.4301/X5CrNi18-10
- Tolerances: g6 / h5 / f8
- Processing state: polished
- Directness: 0,01 / 100
- Roundness: 0,004 / 0,007 Hardness: 56 / 58 HRC
- Coating: uncoated, hard-chromium-plated, LTBC

http://www.misumi-europe.com/en/e-catalog/vona2/mech/M0100000000/M0101000000/

Axles and shafts



… are also used to carry and lead movable components but in addition they often have a torque. When in use they rotate.

- Material: 1.1191/C45E; 1.4301/X5CrNi18-10 and 1.7220/34CrMo4
- Tolerances: g6 / h7 / h9
- Processing state: polished, cold drawn
- Directness: 0,01 / 100
- Roundness: 0,004 / 0,007
- Hardness: 30 - 35 HRC
- Coating: burnished, chemically nickel-plated

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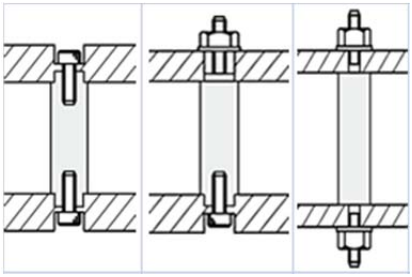
Axles and shafts, Linear Shafts

Rods



… are used as distance piece, tie bar and holder, sometimes also as semi-finished products.

- Material: 1.0038/S235JR; 1.4301/X5CrNi18-10 and 3.1325/AlCu4MgSi
- Tolerances: h11 / h13
- Processing state: cold drawn
- Directness: General tolerance first-class m
- Roundness: General tolerance first-class m
- Coating: burnished, chemically nickel-plated

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