### **Standard machining of shafts**

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| --- | --- |
| Customer name |  |
| Article number |  |

Nanotec offers various shaft machining options which can be ordered individually or in combination: shaft flattening, shorter shafts, thinner shafts, cross bores, grooves or keyways. The minimum order quantity for ex factory shaft machining is 250 pcs. For other machining types or order quantities, please contact our sales team: [sales@nanotec.de](mailto:sales@nanotec.de)

The possible tolerances are specified individually; these values may, however, vary in the case of ex factory machining.

**Note:**

All dimensions and tolerances are determined by the shaft end!

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Shaft flattening/D-cut (not Nanotec standard D-cut "KM-FLAT")** | | | | | | | | |
|  |  | | | | | | | |
| **Motor size 20-110 mm** | | | | | | | | |
|  | L "A" | | h "A" | | L "B" | | h "B" | |
| **Possible tolerances (in mm)** | +/- 0.1 | | | | | | | |
|  | | | | | | | | |
| **Dimensions**  (Please enter the required dimensions in the gray boxes) | **L "A"** |  | **h "A"** |  | **L "B"** |  | **h "B"** |  |

Please note that a gap of 3 mm to the motor flange is necessary!

Please send the completed form to [info@nanotec.de](mailto:info@nanotec.de) or by fax to +49 89 900686-50.

### **Standard machining of shafts**

|  |  |
| --- | --- |
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|  |  |  |
| --- | --- | --- |
| **Shorter motor shaft** | | |
| 315.jpg | |  |
| **Motor size 20-110 mm** | | |
|  | | A / B |
| **Possible tolerances (in mm)** | | +/- 0.1 |
|  | | |
| **A-motor (single shaft end)** | |  |
| Length "A" |  | Please note that a gap of 3 mm to the motor flange is necessary! |
| **B-motor (two shaft ends)** | | |
| Length "A" |  | Please note that a gap of 3 mm to the motor flange is necessary! |
| Length "B" |  |

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| --- | --- | --- | --- | --- | --- |
| **Thinner motor shaft** | | | | | |
|  |  | | | | |
| **Motor size 20-110 mm** | | | | | |
|  | Length "L" | | Diameter "d" | | r |
| **Possible tolerances (in mm)** | +/- 0.2 | | +0/ -0.02 | | <0.02 |
|  | | | | | |
| **Dimensions**  (Please enter the required dimensions in the gray boxes) | **"L"** |  | **"d"** |  |  |

Please note that a gap of 3 mm to the motor flange is necessary!

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### **Standard machining of shafts**

|  |  |
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| --- | --- | --- | --- | --- | --- |
| **Cross bore** | | | | | |
|  |  | | | | |
| **Motor size 20-110 mm** | | | | | |
|  | Length "L" | | Diameter "d" | | r |
| **Possible tolerances (in mm)** | +/- 0.2 | | +/- 0.05 | | 0.1 |
|  | | | | | |
| **Dimensions**  (Please enter the required dimensions in the gray boxes) | **"L"** |  | **"d"** |  |  |

Please note that a gap of 3 mm to the motor flange is necessary!

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### **Standard machining of shafts**

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| --- | --- |
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| --- | --- |
| 🞎 **Keyway** | |
|  |  |
| **Motor size 56-86 mm** | |
| **Keyway according to DIN6885-A, firm seat (P9)**  The size of the keyway depends on the shaft diameter:  5 to 6.35 mm (DIN 6885-A-2x2x12)  8 to 10 mm (DIN 6885-A-2x2x12)  14 mm (DIN 6885-A-5x5x25)  Position: at the shaft end (distance from shaft end “L” = 2 mm)  Other keyways according to DIN6885-A available upon request. | |

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