nanoFlex®

The new quick change system with very compact design and very high precision.

Minimal investment, maximal expandability.

Designed for Swiss Type Lathes
The perfect combination: ER collet chuck and modular quick change system in one toolholder.

- Toolholder
- nanoFlex® chuck
- ER collet
- Collet nut
- Screw to plug clamping screw hole
- Drive ring for torque transmission of the nanoFlex® quick change adapter
- nanoFlex® clamping screw
- nanoFlex® quick change adapter
- One-hand wrench with set torque value to clamp and unclamp the nanoFlex® quick change adapters
- Drive dogs for torque transmission
- Axial contact surface for high stiffness of the nanoFlex® adapter
- Taper for ER collets and nanoFlex® adapter
Regular tool clamping using collets.

Quick change using nanoFlex® adapter.
Handling using adapters

Preparation

Adapter clamp and unclamp

Handling using collets

Preparation

Collet clamp and unclamp
Cylindrical shank holder
with cylindrical shank and flat.
For flexible use of ER collets and nanoFlex® adapters in boring bar and sleeve holders.

<table>
<thead>
<tr>
<th>Size</th>
<th>Item No.</th>
<th>D</th>
<th>F</th>
<th>d min.</th>
<th>d max.</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
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Dimensions in mm

Collet chuck adapter
DIN 6499, ISO 15488

<table>
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Dimensions in mm

Drive ring
for use with nanoFlex® adapters, clamping screw included

<table>
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<th>Size</th>
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Dimensions in mm
Preset master adapter
etched with actual gauge length measurement

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Dimensions in mm

Master gauge

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Dimensions in mm

Mounting device nanoFlex®
for easy tool change of nanoFlex® adapters on the work bench

<table>
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Dimensions in mm
nanoFlex®

Torque screwdriver
to clamp the nanoFlex® adapter with one hand

<table>
<thead>
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<th>Size</th>
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<tbody>
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</table>

Dimensions in mm

Note:
Replacable blade.

Collet nut ERNF
suitable for nanoFlex® spindle collet chuck
DIN 6499, ISO 15488

<table>
<thead>
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Dimensions in mm

Clamping screw ERNF
to clamp the nanoFlex® adapters

<table>
<thead>
<tr>
<th>Size</th>
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<th>Mm</th>
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<td>ER-16NF</td>
<td>337216000N</td>
<td>10IP 2.5 107716000N</td>
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</tbody>
</table>

Dimensions in mm

Plug screw ERNF
to plug the clamping screw hole

<table>
<thead>
<tr>
<th>Size</th>
<th>Item No.</th>
<th>Mm</th>
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</thead>
<tbody>
<tr>
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<td>10IP 2.5 107716000N</td>
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</table>

Dimensions in mm

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