Cylindrical Roller Bearings
with MPAX cage

Take an interactive look at the product!
New MPAX solid brass cage

Description
- Cylindrical roller bearings with a new one-piece MPAX solid brass cage

Functional advantages
- Solid brass cage, which is always rib-guided on one ring
- Rollers can be removed

Product advantages
- Robust design
- Extremely resistant to vibration and shock loads (test procedures & methods, calculation & simulation)
- Suitable for very high speeds

Customer benefits
- Higher durability with regard to shock loads and vibrations in standard applications
- Can be used in applications with very high loads

The MPAX cage shows a higher load carrying capacity with regard to radial centrifugal forces than the previous MP1A cage.

Optimized pocket corner radius position
Reinforced side edge
Optimized side edge thickness

Wöhler lines

Acceleration / g [\( \times 10^4 \)]

<table>
<thead>
<tr>
<th>Acceleration / g [( \times 10^4 )]</th>
<th>0</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>350</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycles N</td>
<td>1.00E+03</td>
<td>1.00E+04</td>
<td>1.00E+05</td>
<td>1.00E+06</td>
<td>1.00E+07</td>
<td>1.00E+08</td>
<td>1.00E+09</td>
<td></td>
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</tbody>
</table>

MPAX
MP1A

The graph shows Wöhler lines representing the load carrying capacity over cycles.