Technical Description

Bright Multi roller ID burnishing tools are available for through & blind bores. Component having ID 5mm and above can be burnished. Though the tools have standard burnishing length the same can be redesigned according to the customers requirement. On request the tools can be supplied with self-feed design.

Ordering Guide

Tools are available in three types

<table>
<thead>
<tr>
<th>Series</th>
<th>Dia</th>
<th>Burnishing Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH</td>
<td>5mm-68mm</td>
<td>Upto 60 mm</td>
</tr>
<tr>
<td>LG</td>
<td>5mm-68mm</td>
<td>60mm &amp; above</td>
</tr>
<tr>
<td>UNL</td>
<td>68mm &amp; above</td>
<td>Any Length</td>
</tr>
</tbody>
</table>

Adjustable Tool diameter within a range
Superior dimensional consistency after burnishing
Mirror surface finish in the bores after burnishing
Single pass operation
Can be used in lathes, drill machine and CNC Machines
Quick return on investment
High productivity

Sample Applications

Rocker Arm
Connecting Rod
Engine Casing

Kindly send us a part drawing or detailed hand sketch and request a quotation.
Bright multi roller OD burnishing tools are available for plain & stepped shafts. Tools available for component OD 2mm and above. For Plain shaft tools can be supplied with hollow shank so that shaft length greater than tool length can also be burnished.

Technical Description

- Available from 2mm and above
- Adjustable Tool diameter within a range
- Superior dimensional consistency after burnishing
- Mirror surface finish in the shafts after burnishing
- Single pass operation
- Can be used in lathes, drill machine and CNC Machines
- Quick return on investment
- High productivity

Sample Applications

OD Stepped Shaft

Ordering Guide

- Series OD Dia Bore Type BL Shank
- Shank
- Burnishing Length
- Plain/ Stepped Shaft
- Outer Diameter-Size(mm)

Kindly send us a part drawing or detailed hand sketch and request a quotation.

Tools For Plain & Stepped Shaft

Precision Turned Components
**Technical Description**

Internal and External Tapers can be burnished with Bright taper burnishing tools. These tools can be supplied in any angles according to the component design. These tools are used to achieve good blue matching between mating parts.

- Available from minor diameter 5mm and above
- Highly suitable for matching tapers
- Maximum blue matching after burnishing
- Tools available in required taper angles
- Can be used in lathes, drill machine and CNC Machines
- Highly suitable for high pressure applications

**Ordering Guide**

<table>
<thead>
<tr>
<th>Type</th>
<th>MJD</th>
<th>Angle</th>
<th>TL</th>
<th>Shank</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBT - Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taper Length</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor Diameter (mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal / External Taper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sample Applications**

- Internal Taper Tool
- OD Taper Tool
- ID Taper Tool
- External Taper Tool
- High Pressure Hydraulic End Fittings

Kindly send us a part drawing or detailed hand sketch and request a quotation.

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Technical Description

Flat circular faces can be burnished with Bright face burnishing tools. A minimum relief of 5mm in the center of the component is required for effective functioning of the tool.

- Available for flat circular face with center relief greater than 5mm
- Mirror surface finish in flat circular faces
- Ideal for face matching application
- Single pass operation
- Can be used in lathes, drill machine and CNC Machines
- Quick return on investment
- High productivity

Ordering Guide

- Series
- Size OD
- Relief
- Shank
- Shank
- Relief at center (mm)
- Outer Diameter-Size (mm)

Sample Applications

- Face Burnished Components
Bright special burnishing tools are made to customer specific requirements. Special profile tools can be designed according to customer specification. Some of the special tools which are designed are listed below for your reference.

Kindly send us a part drawing or detailed hand sketch and request a quotation.
Multi Roller Special Tools

Bright Internal Ball Race Tool 1

Bright External Ball Race Tool 2

Bright Spherical Burnishing Tool

Bright Large Outer Diameter Burnishing Tool

Bright Multi-ball Special Burnishing Tool

Ordering Guide

Kindly send us a part drawing or detailed hand sketch and request a quotation.