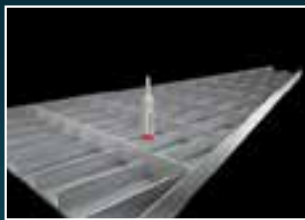
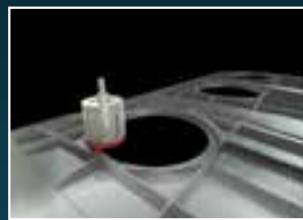


# Aerospace

|                   |   |
|-------------------|---|
| <b>Part</b>       | Wing Rib  |
| <b>Material</b>   | Aluminum Alloy  |
| <b>Details</b>    | Deburring of end milled surface   |
| <b>Tool Used</b>  | Xebec Brush™ Surface<br>A11-CB25M   |
| <b>Parameters</b> | Rotation Speed: 4000min <sup>-1</sup><br>Depth of Cut: 0.028in<br>Feed: 134 IPM |



|                   |  |
|-------------------|--|
| <b>Part</b>       | Body   |
| <b>Material</b>   | Aluminum Alloy   |
| <b>Details</b>    | Deburring of end milled surface  |
| <b>Tool Used</b>  | Xebec Brush™ Surface<br>A11-CB100M   |
| <b>Parameters</b> | Rotation Speed: 960min <sup>-1</sup><br>Depth of Cut: 0.026in<br>Feed: 134 IPM |



|                   |  |
|-------------------|--|
| <b>Part</b>       | Landing gear part  |
| <b>Material</b>   | Aluminum Alloy   |
| <b>Details</b>    | Deburring of milled surface  |
| <b>Tool Used</b>  | Xebec Brush™ Surface<br>A11-CB40M  |
| <b>Parameters</b> | Rotation Speed: 3000 <sup>-1</sup><br>Depth of Cut: 0.031in<br>Feed: 147 IPM |



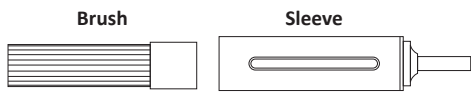
|                   |   |
|-------------------|---|
| <b>Part</b>       | Turbine disk  |
| <b>Material</b>   | Inconel   |
| <b>Details</b>    | Deburring of grinded surface  |
| <b>Tool Used</b>  | Xebec Brush™ Surface<br>A32-CB40M   |
| <b>Parameters</b> | Rotation Speed: 1500 <sup>-1</sup><br>Depth of Cut: 0.020in<br>Feed: 94 IPM |

|                   |   |
|-------------------|---|
| <b>Part</b>       | Turbine blade   |
| <b>Material</b>   | SU316   |
| <b>Details</b>    | Deburring of ball end milled surface  |
| <b>Tool Used</b>  | Xebec Brush™ Surface<br>A11-CB25M   |
| <b>Parameters</b> | Rotation Speed: 1000 <sup>-1</sup><br>Depth of Cut: 0.020in<br>Feed: 94 IPM |

|                   |   |
|-------------------|---|
| <b>Part</b>       | Blisk   |
| <b>Material</b>   | Inconel   |
| <b>Details</b>    | Deburring of ball end milled surface  |
| <b>Tool Used</b>  | Xebec Brush™ Surface<br>A21-CB25M   |
| <b>Parameters</b> | Rotation Speed: 4000 <sup>-1</sup><br>Depth of Cut: 0.020in<br>Feed: 94 IPM |

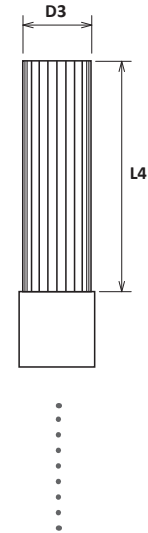
# XEBEC BRUSH™ SURFACE Surface Brush

Ideal for simultaneous deburring and edge finishing, cutter mark removal and surface polishing



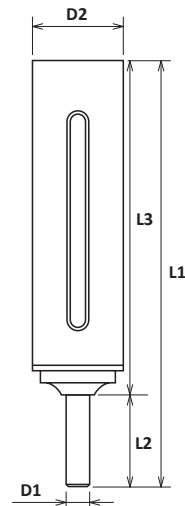
**Brush** Requires Brush Sleeve to Operate

| Brush Size (D3) |        | Aggressiveness            |                            |                            |                            | L4 Brush Length |        | Max RPM | Required Sleeve |
|-----------------|--------|---------------------------|----------------------------|----------------------------|----------------------------|-----------------|--------|---------|-----------------|
| MM              | INCHES | Less ←                    | → More                     |                            |                            | MM              | INCHES |         |                 |
|                 |        | Pink                      | Red                        | White                      | Blue                       |                 |        |         |                 |
| 6mm             | 0.236  | <b>30015</b><br>A13-CB06M | <b>30006</b><br>A11-CB06M  | <b>30012</b><br>A21-CB06M  | <b>30045</b><br>A32-CB06M  | 30              | 1.181  | 10,000  | 40006           |
| 15mm            | 0.591  | <b>30013</b><br>A13-CB15M | <b>30005</b><br>A11-CB15M  | <b>30011</b><br>A21-CB15M  | <b>30044</b><br>A32-CB15M  | 50              | 1.969  | 6,000   | 40005 or 40007* |
| 25mm            | 0.984  | -                         | <b>30004</b><br>A11-CB25M  | <b>30010</b><br>A21-CB25M  | <b>30043</b><br>A32-CB25M  | 75              | 2.953  | 5,000   | 40004           |
| 40mm            | 1.575  | -                         | <b>30003</b><br>A11-CB40M  | <b>30009</b><br>A21-CB40M  | <b>30042</b><br>A32-CB40M  | 75              | 2.953  | 3,000   | 40003           |
| 60mm            | 2.362  | -                         | <b>30002</b><br>A11-CB60M  | <b>30008</b><br>A21-CB60M  | <b>30041</b><br>A32-CB60M  | 75              | 2.953  | 2,000   | 40002           |
| 100mm           | 3.937  | -                         | <b>30001</b><br>A11-CB100M | <b>30007</b><br>A21-CB100M | <b>30040</b><br>A32-CB100M | 75              | 2.953  | 1,000   | 40001           |



**Sleeve** for use with Xebec™ Brush Surface

| Size  | EDP   | Material | Part No. | D1             |                 | D2             |              | L1           |        | L2 |        | L3  |        |
|-------|-------|----------|----------|----------------|-----------------|----------------|--------------|--------------|--------|----|--------|-----|--------|
|       |       |          |          | Shank Diameter | Sleeve Diameter | Overall Length | Shank Length | Shaft Length |        |    |        |     |        |
|       |       |          |          | MM             | INCHES          | MM             | INCHES       | MM           | INCHES | MM | INCHES | MM  | INCHES |
| 6mm   | 40006 | Aluminum | S06M     | 6              | 0.236           | 10             | 0.394        | 70           | 2.756  | 29 | 1.142  | 41  | 1.614  |
| 15mm* | 40005 | Aluminum | S15M-A   | 6              | 0.236           | 18             | 0.709        | 90           | 3.543  | 29 | 1.142  | 61  | 2.402  |
| 15mm* | 40007 | Plastic  | S15M-P   | 6              | 0.236           | 18.5           | 0.728        | 90           | 3.543  | 29 | 1.142  | 61  | 2.402  |
| 25mm  | 40004 | Aluminum | S25M     | 8              | 0.315           | 30             | 1.181        | 140          | 5.512  | 30 | 1.181  | 110 | 4.331  |
| 40mm  | 40003 | Aluminum | S40M     | 8              | 0.315           | 45             | 1.772        | 140          | 5.512  | 30 | 1.181  | 110 | 4.331  |
| 60mm  | 40002 | Aluminum | S60M     | 12             | 0.472           | 65             | 2.559        | 150          | 5.906  | 35 | 1.378  | 115 | 4.528  |
| 100mm | 40001 | Aluminum | S100M    | 16             | 0.630           | 110            | 4.331        | 162          | 6.378  | 40 | 1.575  | 122 | 4.803  |



\*15mm Sleeve available in Aluminum or Plastic