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HARD METAL BURRS



The increased pressure in a contemporary, demanding working environment often confronts us with unforeseen technical problems and challenges. This is the reason why Cibo only works with 100% hard metal burrs, using the motto "Only the best is good enough".

We are therefore always ready to help you select the most suitable burrs. Together with Procut, Cibo sees itself as your partner in finding the ideal solution for all your deburring problems. Other shapes and tothing are available.



#### TOOTHING 3 IS MOST SUITABLE FOR:

- Aluminium
- Soft non-ferrous metals
- Copper, brass, bronze
- Toughened plastics
- Fibreglass with low density



#### TOOTHING 6 IS MOST SUITED FOR :

- Carbon Steel
- Cast iron
- Tooling steel
- Stainless steel
- Titanium and cobalt alloys
- Composite materials
- High density fibreglass

### > Burrs

CYLINDER (A)



CYLINDER (A)

| diameter burr | tooth-ing | useful length | spindle diameter | total length | code         | stock |   |
|---------------|-----------|---------------|------------------|--------------|--------------|-------|---|
| Ø 3,0         | 6         | 14,0          | Ø 3              | 38           | HMFA30314/6  | ●     | 1 |
| Ø 6,0         | 6         | 18,0          | Ø 6              | 50           | HMFA60618/6  | ●     | 1 |
| Ø 8,0         | 6         | 19,2          | Ø 6              | 64           | HMFA60820/6  | ●     | 1 |
| Ø 9,6         | 3         | 19,2          | Ø 6              | 64           | HMFA61020/3  | ●     | 1 |
|               | 6         | 19,2          | Ø 6              | 64           | HMFA61020/6  | ●     | 1 |
| Ø 12,5        | 6         | 19,2          | Ø 6              | 64           | HMFA61220/6  | ●     | 1 |
|               | 3         | 25,4          | Ø 6              | 70           | HMFA61225/3  | ●     | 1 |
|               | 6         | 25,4          | Ø 6              | 70           | HMFA61225/6  | ●     | 1 |
| Ø 15,8        | 3         | 25,4          | Ø 6              | 70           | HMFA61525/3* | ●     | 1 |
|               | 6         | 25,4          | Ø 6              | 70           | HMFA61525/6* | ●     | 1 |

\* Also available with 8mm spindle.



For other dimensions and tothing, please consult Cibo.

➤ Burrs

CYLINDER + END CUT (B)

| diameter burr | tooth-ing | useful length | spindle diameter | total length | code         | stock |  |
|---------------|-----------|---------------|------------------|--------------|--------------|-------|-------------------------------------------------------------------------------------|
| Ø 3,0         | 6         | 14,0          | Ø 3              | 38           | HMFB30314/6  | ●     | 1                                                                                   |
| Ø 6,0         | 6         | 18,0          | Ø 6              | 50           | HMFB60618/6  | ●     | 1                                                                                   |
| Ø 8,0         | 6         | 19,2          | Ø 6              | 64           | HMFB60820/6  | ●     | 1                                                                                   |
| Ø 9,6         | 3         | 19,2          | Ø 6              | 64           | HMFB61020/3  | ●     | 1                                                                                   |
|               | 6         | 19,2          | Ø 6              | 64           | HMFB61020/6  | ●     | 1                                                                                   |
| Ø 12,5        | 6         | 19,2          | Ø 6              | 64           | HMFB61220/6  | ●     | 1                                                                                   |
|               | 6         | 25,4          | Ø 6              | 70           | HMFB61225/6* | ●     | 1                                                                                   |
| Ø 15,8        | 6         | 25,4          | Ø 6              | 70           | HMFB61525/6* | ●     | 1                                                                                   |
|               | 6         | 25,4          | Ø 8              | 70           | HMFB81525/6  | ●     | 1                                                                                   |

\* Also available with 8mm spindle.

CYLINDER + END CUT (B)



B

BULL NOSE (C)

| diameter burr | tooth-ing | useful length | spindle diameter | total length | code         | stock |  |
|---------------|-----------|---------------|------------------|--------------|--------------|-------|-------------------------------------------------------------------------------------|
| Ø 3,0         | 6         | 14,0          | Ø 3              | 38           | HMFC30312/6  | ●     | 1                                                                                   |
| Ø 6,4         | 6         | 12,7          | Ø 3              | 51           | HMFC30612/6  | ●     | 1                                                                                   |
| Ø 6,0         | 6         | 18,0          | Ø 6              | 50           | HMFC60618/6  | ●     | 1                                                                                   |
| Ø 8,0         | 6         | 19,2          | Ø 6              | 64           | HMFC60820/6  | ●     | 1                                                                                   |
| Ø 9,6         | 3         | 19,2          | Ø 6              | 64           | HMFC61020/3  | ●     | 1                                                                                   |
|               | 6         | 19,2          | Ø 6              | 64           | HMFC61020/6  | ●     | 1                                                                                   |
| Ø 12,5        | 6         | 19,2          | Ø 6              | 64           | HMFC61220/6  | ●     | 1                                                                                   |
|               | 3         | 25,4          | Ø 6              | 70           | HMFC61225/3* | ●     | 1                                                                                   |
|               | 6         | 25,4          | Ø 6              | 70           | HMFC61225/6* | ●     | 1                                                                                   |
| Ø 15,8        | 6         | 25,4          | Ø 6              | 70           | HMFC61525/6* | ●     | 1                                                                                   |
|               | 6         | 25,4          | Ø 8              | 70           | HMFC81525/6  | ●     | 1                                                                                   |

\* Also available with 8mm spindle.

BULL NOSE (C)



C

## > Burrs

BALL (D)



BALL (D)

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|---|
| Ø 3              | 6             | 2,7              | Ø 3                 | 38              | HMFD30303/6  | ●     | 1 |
| Ø 6,35           | 6             | 5,7              | Ø 3                 | 45              | HMFD30606/6  | ●     | 1 |
| Ø 6              | 6             | 5,7              | Ø 6                 | 50              | HMFD60606/6  | ●     | 1 |
| Ø 8              | 6             | 7,0              | Ø 6                 | 52              | HMFD60808/6  | ●     | 1 |
| Ø 9,6            | 3             | 8,5              | Ø 6                 | 54              | HMFD61010/3  | ●     | 1 |
|                  | 6             | 8,5              | Ø 6                 | 54              | HMFD61010/6  | ●     | 1 |
| Ø 12,5           | 6             | 11,4             | Ø 6                 | 56              | HMFD61212/6* | ●     | 1 |
| Ø 15,8           | 6             | 14,4             | Ø 6                 | 59              | HMFD61515/6* | ●     | 1 |
|                  | 6             | 14,4             | Ø 8                 | 68              | HMFD81515/6  | ●     | 1 |

\* Also available with 8mm spindle.

OVAL (E)



OVAL (E)

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|---|
| Ø 3              | 6             | 5,0              | Ø 3                 | 38              | HMFE30306/6  | ●     | 1 |
| Ø 6              | 6             | 10,0             | Ø 6                 | 50              | HMFE60610/6  | ●     | 1 |
| Ø 8              | 6             | 15,0             | Ø 6                 | 60              | HMFE60815/6  | ●     | 1 |
| Ø 9,6            | 6             | 15,8             | Ø 6                 | 60              | HMFE61015/6  | ●     | 1 |
| Ø 12,5           | 6             | 22,2             | Ø 6                 | 67              | HMFE61220/6* | ●     | 1 |
| Ø 15,8           | 6             | 25,4             | Ø 6                 | 70              | HMFE61525/6* | ●     | 1 |
|                  | 6             | 25,4             | Ø 8                 | 70              | HMFE81525/6  | ●     | 1 |

\* Also available with 8mm spindle.



For other dimensions and tothing, please consult Cibo.

> **Burrs**

**ROUND TREE (F)**

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |  |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|-------------------------------------------------------------------------------------|
| Ø 3              | 6             | 14,0             | Ø 3                 | 38              | HMFF30312/6  | ●     | 1                                                                                   |
| Ø 6              | 6             | 18,0             | Ø 6                 | 50              | HMFF60618/6  | ●     | 1                                                                                   |
| Ø 8              | 6             | 20,0             | Ø 6                 | 65              | HMFF60820/6  | ●     | 1                                                                                   |
| Ø 9,6            | 3             | 19,2             | Ø 6                 | 65              | HMFF61020/3  | ●     | 1                                                                                   |
|                  | 6             | 19,2             | Ø 6                 | 65              | HMFF61020/6  | ●     | 1                                                                                   |
| Ø 12,5           | 6             | 19,2             | Ø 6                 | 70              | HMFF61220/6  | ●     | 1                                                                                   |
|                  | 3             | 25,4             | Ø 6                 | 70              | HMFF61225/3* | ●     | 1                                                                                   |
|                  | 6             | 25,4             | Ø 6                 | 70              | HMFF61225/6* | ●     | 1                                                                                   |
| Ø 15,8           | 6             | 25,4             | Ø 6                 | 70              | HMFF61525/6* | ●     | 1                                                                                   |

*\* Also available with 8mm spindle.*

ROUND TREE (F)



F

**POINTED TREE (G)**

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |  |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|---------------------------------------------------------------------------------------|
| Ø 6,35           | 6             | 12,7             | Ø 3                 | 51              | HMFG30612/6  | ●     | 1                                                                                     |
| Ø 6              | 6             | 18,0             | Ø 6                 | 60              | HMFG60618/6  | ●     | 1                                                                                     |
| Ø 8              | 6             | 19,2             | Ø 6                 | 65              | HMFG60820/6  | ●     | 1                                                                                     |
| Ø 9,6            | 6             | 19,2             | Ø 6                 | 65              | HMFG61020/6  | ●     | 1                                                                                     |
| Ø 12,5           | 6             | 19,2             | Ø 6                 | 65              | HMFG61220/6  | ●     | 1                                                                                     |
|                  | 6             | 25,4             | Ø 6                 | 70              | HMFG61225/6* | ●     | 1                                                                                     |
| Ø 15,8           | 6             | 25,4             | Ø 6                 | 70              | HMFG61525/6* | ●     | 1                                                                                     |
| Ø 12,5           | 6             | 25,4             | Ø 8                 | 86              | HMFG81225/6  | ●     | 1                                                                                     |

*\* Also available with 8mm spindle.*

POINTED TREE (G)



G

## > Burrs

FLAME (H)



H

FLAME (H)

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|---|
| Ø 3,0            | 6             | 6,0              | Ø 3                 | 38              | HMFH30306/6  | ●     | 1 |
| Ø 8,0            | 6             | 19,2             | Ø 6                 | 64              | HMFH60820/6  | ●     | 1 |
| Ø 12,5           | 6             | 31,8             | Ø 6                 | 77              | HMFH61232/6* | ●     | 1 |
| Ø 15,8           | 6             | 36,5             | Ø 6                 | 82              | HMFH61535/6* | ●     | 1 |
| Ø 12,5           | 6             | 31,8             | Ø 8                 | 86              | HMFH81232/6  | ●     | 1 |

\* Also available with 8mm spindle.

COUNTER SINK 60°-90° (J/K)



J/K

COUNTER SINK 60°-90° (J/K)

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|---|
| Ø 12,5           | 6             | 10,8             | Ø 6                 | 59              | HMFJ61210/6* | ●     | 1 |
| Ø 15,8           | 6             | 14,5             | Ø 6                 | 62              | HMFJ61512/6* | ●     | 1 |
| Ø 9,6            | 6             | 4,3              | Ø 6                 | 53              | HMFK61004/6  | ●     | 1 |
| Ø 12,5           | 6             | 6,8              | Ø 6                 | 55              | HMFK61206/6* | ●     | 1 |
| Ø 15,8           | 6             | 8,0              | Ø 8                 | 57              | HMFK81508/6  | ●     | 1 |

\* Also available with 8mm spindle.



➤ **Burrs**

| BALL NOSED CONE (L)                |           |               |                  |              |              |       |                                                                                     |
|------------------------------------|-----------|---------------|------------------|--------------|--------------|-------|-------------------------------------------------------------------------------------|
| diameter burr                      | tooth-ing | useful length | spindle diameter | total length | code         | stock |  |
| Ø 3,0                              | 6         | 14,0          | Ø 3              | 38           | HMFL30312/6  | ●     | 1                                                                                   |
| Ø 6,0                              | 6         | 18,0          | Ø 6              | 50           | HMFL60618/6  | ●     | 1                                                                                   |
| Ø 8,0                              | 6         | 25,4          | Ø 6              | 70           | HMFL60822/6  | ●     | 1                                                                                   |
| Ø 9,6                              | 6         | 30,2          | Ø 6              | 75           | HMFL61026/6  | ●     | 1                                                                                   |
| Ø 12,5                             | 6         | 32,0          | Ø 6              | 77           | HMFL61228/6* | ●     | 1                                                                                   |
| Ø 15,8                             | 6         | 33,3          | Ø 6              | 78           | HMFL61533/6* | ●     | 1                                                                                   |
| Ø 12,5                             | 6         | 32,0          | Ø 8              | 86           | HMFL81228/6  | ●     | 1                                                                                   |
| * Also available with 8mm spindle. |           |               |                  |              |              |       |                                                                                     |

BALL NOSED CONE (L)



L

| CONE (M)                           |           |               |                  |              |              |       |                                                                                     |
|------------------------------------|-----------|---------------|------------------|--------------|--------------|-------|-------------------------------------------------------------------------------------|
| diameter burr                      | tooth-ing | useful length | spindle diameter | total length | code         | stock |  |
| Ø 3,0                              | 6         | 15,0          | Ø 3              | 38           | HMFM30315/6  | ●     | 1                                                                                   |
| Ø 6,0                              | 6         | 20,0          | Ø 6              | 58           | HMFM60620/6  | ●     | 1                                                                                   |
| Ø 9,6                              | 6         | 19,2          | Ø 6              | 64           | HMFM61020/6  | ●     | 1                                                                                   |
| Ø 12,5                             | 6         | 25,4          | Ø 6              | 70           | HMFM61222/6* | ●     | 1                                                                                   |
| * Also available with 8mm spindle. |           |               |                  |              |              |       |                                                                                     |

CONE (M)



M



For other dimensions and tooth-ing, please consult Cibo.



> **Burrs**

**COMBI (DN)**

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code         | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|--------------|-------|---|
| Ø 12             | 2             | 20               | Ø 6                 | 64              | HMFDN61220/2 | ●     | 1 |

COMBI (DN)



**RADIUS (CMN)**

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code          | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|---------------|-------|---|
| Ø 12,5           | 2             | 25,4             | Ø 6                 | 70              | HMFCMN61225/2 | ●     | 1 |

RADIUS (CMN)



CMN

**CORNER (A-RAD)**

| diameter<br>burr | tooth-<br>ing | useful<br>length | spindle<br>diameter | total<br>length | code            | stock |   |
|------------------|---------------|------------------|---------------------|-----------------|-----------------|-------|---|
| Ø 3              | 6             | 14               | Ø 3                 | 38              | HMFA30314/6-RAD | ●     | 1 |
| Ø 6              | 6             | 18               | Ø 6                 | 50              | HMFA60618/6-RAD | ●     | 1 |
| Ø 8              | 6             | 19,2             | Ø 6                 | 65              | HMFA60820/6-RAD | ●     | 1 |
| Ø 9,6            | 6             | 19,2             | Ø 6                 | 65              | HMFA61020/6-RAD | ●     | 1 |
| Ø 12,5           | 6             | 25,4             | Ø 6                 | 70              | HMFA61225/6-RAD | ●     | 1 |
| Ø 15,8           | 6             | 25,4             | Ø 6                 | 70              | HMFA61525/6-RAD | ●     | 1 |

CORNER (A-RAD)



A-RAD

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