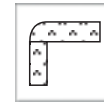




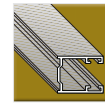
# Aluminum



Plastic



Corian



Aluminum

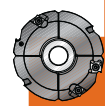


Sawing



CNC

Cutting



Drilling

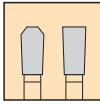
Routing

Plastic, Corian, Aluminum

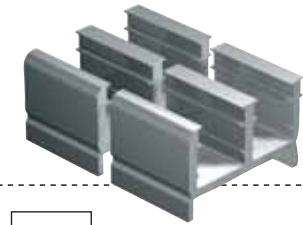
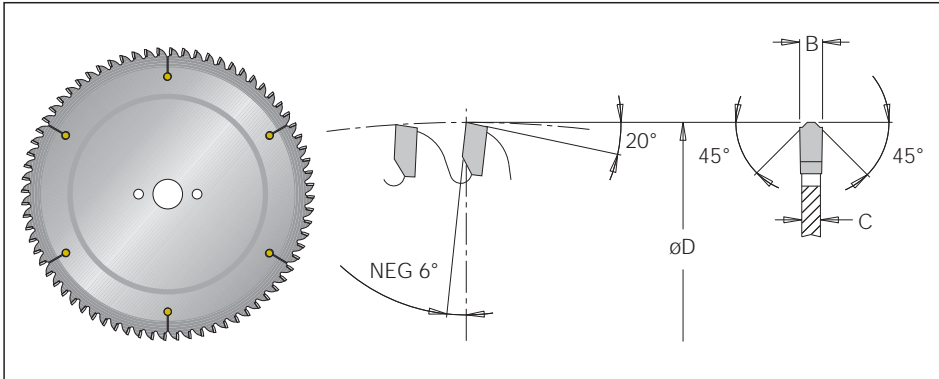
Custom Tooling

Custom Tooling

Custom Tooling



## MSAN - Aluminum Saw Blade



| øD  | Teeth | Code No.    | B   | c   | n         | m/min | ød |
|-----|-------|-------------|-----|-----|-----------|-------|----|
| 150 | 48    | 902 02 43 3 | 2.8 | 2.2 | 5000-8900 | 12-21 | 20 |
| 160 | 48    | 902 02 44 3 | 2.8 | 2.2 | 4700-8300 | 11-20 | 20 |
| 180 | 58    | 902 02 48 6 | 2.8 | 2.2 | 4200-7400 | 12-21 | 30 |
| 184 | 58    | 902 02 45 E | 2.8 | 2.2 | 4100-7200 | 12-21 | 16 |
|     | 58    | 902 02 45 3 | 2.8 | 2.2 | 4100-7200 | 12-21 | 20 |
| 190 | 60    | 902 02 49 3 | 2.8 | 2.2 | 4000-7000 | 12-21 | 20 |
|     | 60    | 902 02 49 6 | 2.8 | 2.2 | 4000-7000 | 12-21 | 30 |
| 200 | 48    | 902 00 70 6 | 2.8 | 2.2 | 3800-6600 | 9-16  | 30 |
|     | 64    | 902 02 50 6 | 2.8 | 2.2 | 3800-6600 | 12-21 | 30 |
| 216 | 64    | 902 02 56 6 | 2.8 | 2.2 | 3500-6100 | 11-20 | 30 |
| 230 | 60    | 902 02 60 6 | 2.8 | 2.2 | 3300-5800 | 10-17 | 30 |
| 235 | 60    | 902 02 63 6 | 2.8 | 2.2 | 3200-5600 | 10-17 | 30 |
|     | 60    | 902 00 80 6 | 3.2 | 2.6 | 3000-5300 | 9-16  | 30 |
| 250 | 80    | 902 02 70 6 | 3.2 | 2.6 | 3000-5300 | 12-21 | 30 |
|     | 100   | 902 02 75 6 | 3.2 | 2.6 | 3000-5300 | 15-27 | 30 |
| 275 | 72    | 902 00 85 7 | 3.2 | 2.6 | 2700-4800 | 10-17 | 32 |
| 300 | 72    | 902 00 90 6 | 3.2 | 2.6 | 2500-4400 | 9-16  | 30 |
|     | 96    | 902 02 80 6 | 3.2 | 2.6 | 2500-4400 | 12-21 | 30 |
| 330 | 80    | 902 00 95 7 | 3.2 | 2.6 | 2300-4000 | 9-16  | 32 |
|     | 102   | 902 02 85 7 | 3.2 | 2.6 | 2300-4000 | 12-20 | 32 |
| 350 | 84    | 902 01 00 6 | 3.2 | 2.6 | 2100-3800 | 9-16  | 30 |
|     | 108   | 902 02 90 6 | 3.2 | 2.6 | 2100-3800 | 11-21 | 30 |
| 380 | 100   | 902 02 95 6 | 2.8 | 2.2 | 2000-3500 | 10-18 | 30 |
| 400 | 96    | 902 01 10 6 | 3.8 | 3.2 | 1900-3300 | 9-16  | 30 |
|     | 120   | 902 03 00 6 | 3.8 | 3.2 | 1900-3300 | 11-20 | 30 |
| 420 | 96    | 902 03 40 6 | 4   | 3.4 | 1800-3100 | 9-15  | 30 |
| 450 | 108   | 902 04 00 6 | 4   | 3.4 | 1600-2900 | 9-16  | 30 |
|     | 120   | 902 04 10 6 | 4   | 3.4 | 1600-2900 | 10-17 | 30 |
| 500 | 120   | 902 04 20 6 | 4.4 | 3.8 | 1500-2600 | 9-16  | 30 |

The material must be clamped firmly to the table on both sides during cutting operation.

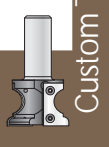
### Manufacturing Technology:



Dynamic Balancing Above 350 Diameter

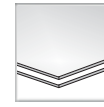


Dynamic Straightness Above 250 Diameter

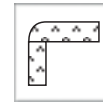




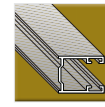
# Aluminum



Plastic

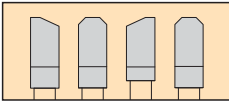


Corian

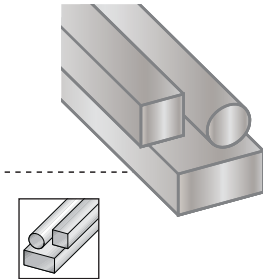
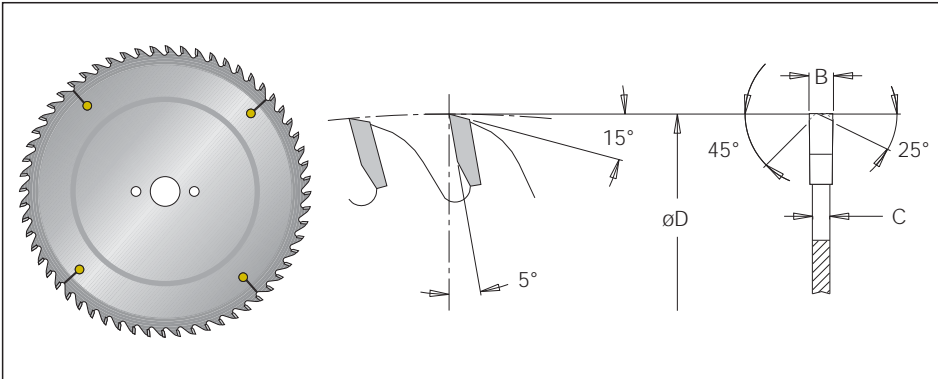


Aluminum

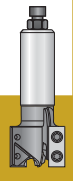
Index  
➔



MTA - Aluminum Saw Blade

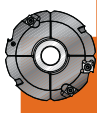


Sawing

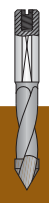


CNC

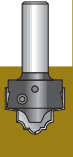
| D   | Teeth | Code No. | B   | C   | n         | m/min | d  |
|-----|-------|----------|-----|-----|-----------|-------|----|
| 300 | 80    | 90254006 | 3.4 | 2.8 | 2500-4400 | 20-35 | 30 |
|     | 60    | 90250106 | 3.4 | 2.8 | 2500-4400 | 15-25 | 30 |
| 350 | 100   | 90254306 | 3.6 | 3.0 | 2100-3800 | 21-38 | 30 |
|     | 80    | 90250206 | 3.6 | 3.0 | 2100-3800 | 16-30 | 30 |
| 400 | 120   | 90254506 | 3.8 | 3.2 | 1900-3300 | 23-40 | 30 |
|     | 80    | 90250306 | 3.8 | 3.2 | 1900-3300 | 15-26 | 30 |
| 450 | 100   | 90250406 | 4.0 | 3.4 | 1600-2900 | 16-29 | 30 |
|     | 80    | 90256006 | 4.0 | 3.4 | 1600-2900 | 13-23 | 30 |
| 500 | 100   | 90250506 | 4.2 | 3.5 | 1500-2600 | 15-26 | 30 |
|     | 80    | 90256036 | 4.2 | 3.5 | 1500-2600 | 12-20 | 30 |
| 550 | 120   | 90250606 | 4.4 | 3.8 | 1400-2400 | 16-28 | 30 |
|     | 100   | 90256066 | 4.4 | 3.8 | 1400-2400 | 14-24 | 30 |



Cutting

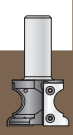


Drilling



Routing

Plastic, Corian, Aluminum



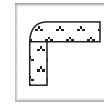
Custom Tooling



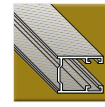
# Aluminum



Plastic



Corian



Aluminum

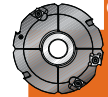


Sawing

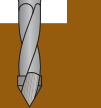


CNC

Cutting



Drilling

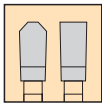


Routing

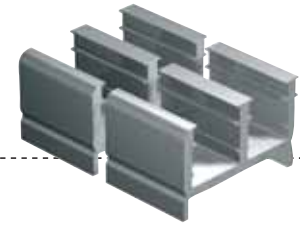
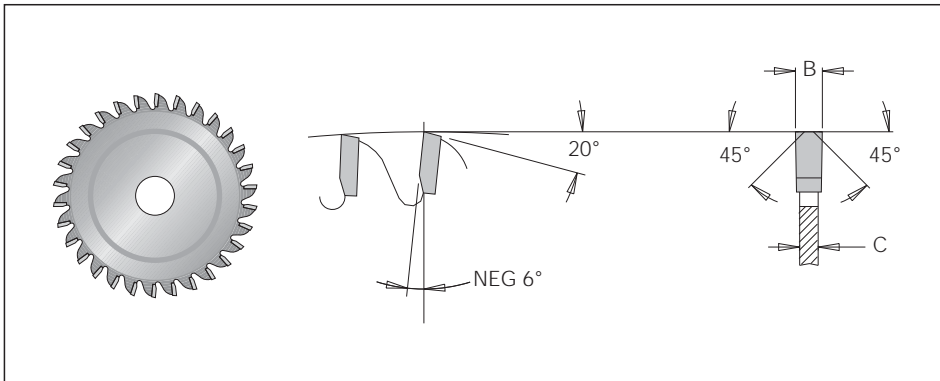


Plastic, Corian, Aluminum

Custom Tooling



## MHAN - Milling Saw Blade

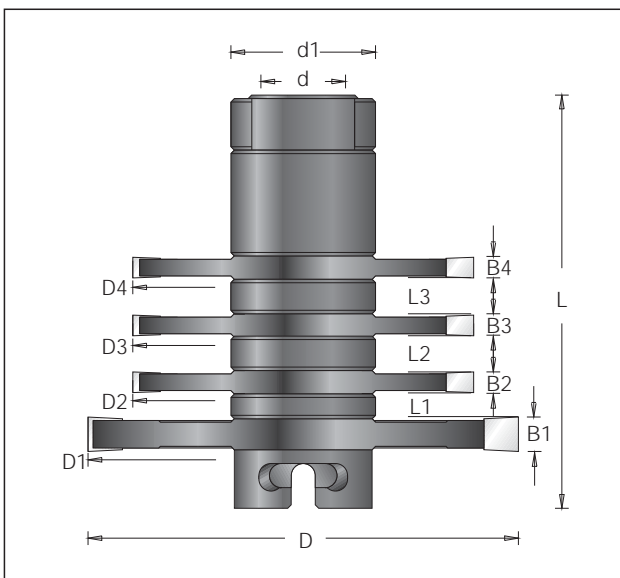


| øD  | Teeth | Code No.    | B   | c   | n          | ød   |
|-----|-------|-------------|-----|-----|------------|------|
| 100 | 24    | 902 00 51 1 | 3.9 | 3.2 | 7600-13000 | 16   |
|     | 30    | 902 00 55 1 | 3.9 | 3.2 | 7600-13000 | 16   |
| 115 | 24    | 902 00 61 A | 3.9 | 3.2 | 6600-11600 | 22.2 |
|     | 30    | 902 00 63 A | 3.9 | 3.2 | 6600-11600 | 22.2 |

**!** To be used manually with mini grinder.  
Used extensively in the boat building industry for milling, that is cleaning up, and grooving of aluminum welds, and cutting out welding tacks.

## Custom and Milling head

Special head made from steel sleeve and brazed cutter according to customer definition.

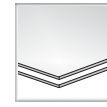


Special tools for working on aluminium profiles.  
When ordering single cutters need to indicate the dimensions of the diameter, width and bore.  
When ordering sets need to supply a drawing of the requested profile, dimensions of the cutter's diameter, width and bore as well as the dimensions between the cutters.

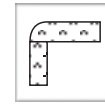
d = ... , d1 = ... , L = ...  
D1 = ... , B1 = ... , L1 = ...  
D2 = ... , B2 = ... , L2 = ...



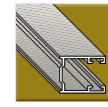
# Aluminum



Plastic



Corian



Aluminum



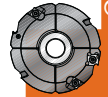
Sawing



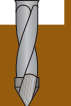
CNC



Cutting



Drilling

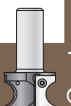


Routing



Plastic, Corian, Aluminum

Custom Tooling



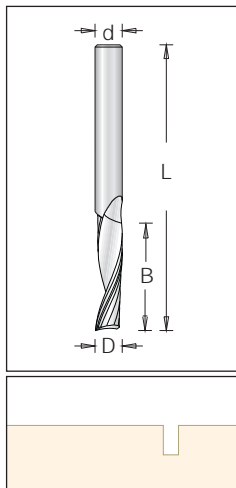
O Flut design  
Z=1

RPM. 18,000

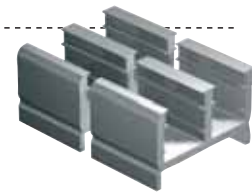
R.P.M. = 18,000

Aluminum

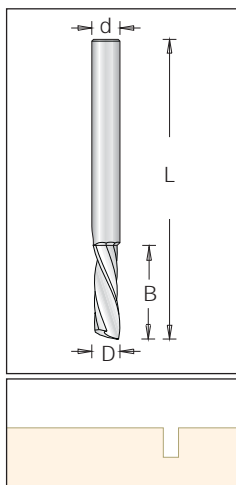
## Single spiral "O" flute, up shear angle, mirror finish



| D    | B    | Code No.  | L  | ød   |
|------|------|-----------|----|------|
| 3.2  | 8.0  | 185 510 0 | 40 | 3.2  |
| 4.75 | 12.7 | 185 522 4 | 50 | 6.35 |
| 6.35 | 16.0 | 185 530 4 | 50 | 6.35 |



## Single spiral "O" flute, down shear angle, mirror finish



| D    | B    | Code No.  | L  | ød   |
|------|------|-----------|----|------|
| 3.2  | 8.0  | 185 410 0 | 40 | 3.2  |
| 4.75 | 12.7 | 185 422 4 | 50 | 6.35 |
| 6.35 | 16.0 | 185 430 4 | 50 | 6.35 |

