

# **STRAUSS & CO.**<sup>®</sup>

INDUSTRIAL DIAMONDS LTD.



### 2014 innovation – new products

STRAUSS & CO. is continuously striving to offer its customers cutting edge innovative products.

This innovation catalog is a gathering of the newest most exciting additions to Strauss & Co.'s line. This innovation catalog is an addition to Strauss & Co. industrial catalog ED:ind0911.

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# FF Flexible diamond files

## Description & Use:

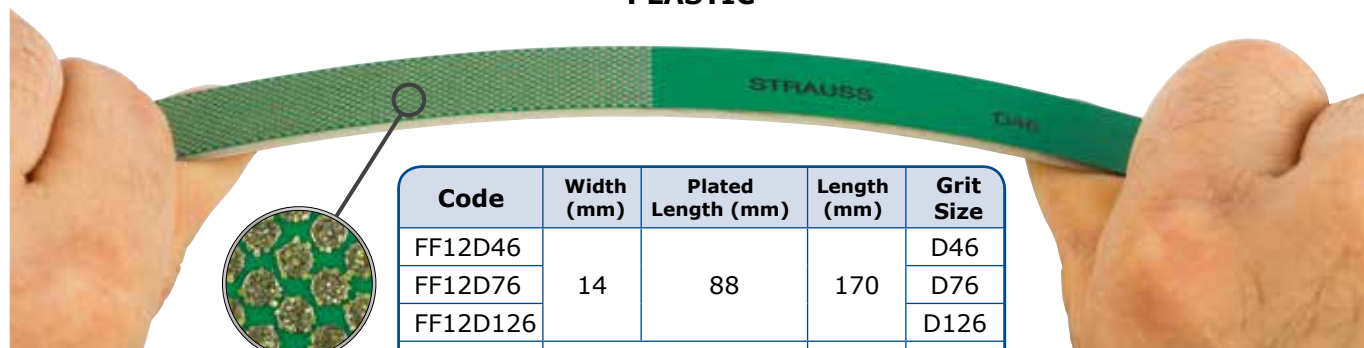
STRAUSS & CO.'s New Unique Flexi Files are the first files to be made on a non - steel based blank. These flat files are made on a special composite material that allows it to be flexible yet extremely strong and light. Its special "Dots" plating allows a better removal of the filed material, and results in a superior surface finish. Available in D46 - D76 or D126.

## Sizes:

Width 14mm.                      Plated Length 88mm.  
Thickness 1.7mm.              Total Length 170mm.

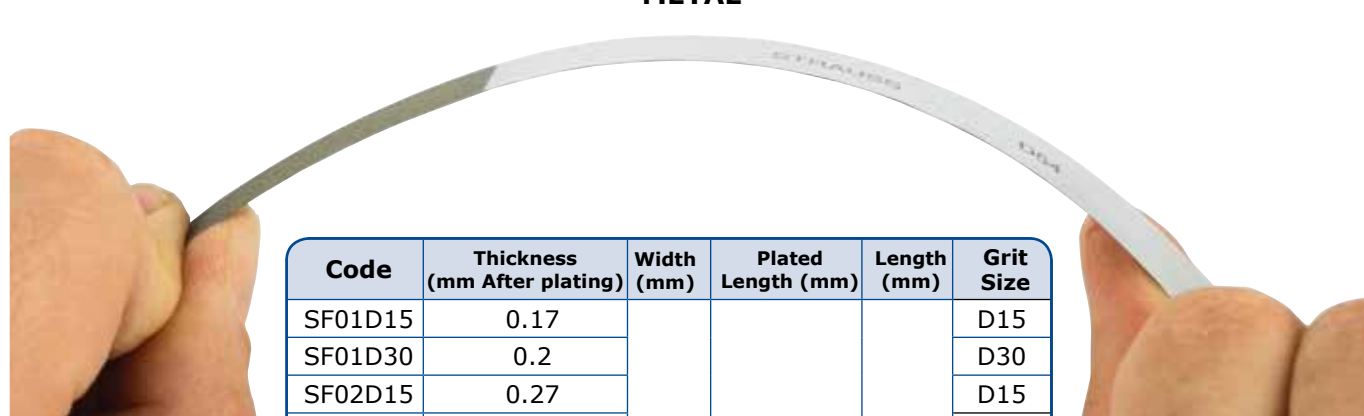


## PLASTIC



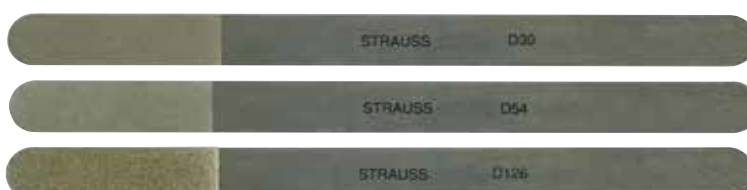
| Code     | Width (mm)  | Plated Length (mm) | Length (mm) | Grit Size |
|----------|-------------|--------------------|-------------|-----------|
| FF12D46  | 14          | 88                 | 170         | D46       |
| FF12D76  |             |                    |             | D76       |
| FF12D126 |             |                    |             | D126      |
| FF-SET-3 | All 3 Files |                    |             | All       |

## METAL



Super Flex files are unique files that are strong yet extremely thin, long and flexible for use in narrow slots where access is difficult.

| Code     | Thickness (mm After plating) | Width (mm) | Plated Length (mm) | Length (mm) | Grit Size |
|----------|------------------------------|------------|--------------------|-------------|-----------|
| SF01D15  | 0.17                         | 12.7       | 50                 | 180         | D15       |
| SF01D30  | 0.2                          |            |                    |             | D30       |
| SF02D15  | 0.27                         |            |                    |             | D15       |
| SF02D30  | 0.3                          |            |                    |             | D30       |
| SF02D54  | 0.4                          |            |                    |             | D54       |
| SF03D54  | 0.5                          |            |                    |             | D54       |
| SF03D91  | 0.6                          |            |                    |             | D91       |
| SF05D91  | 0.8                          |            |                    |             | D91       |
| SF05D126 | 0.9                          |            |                    |             | D126      |



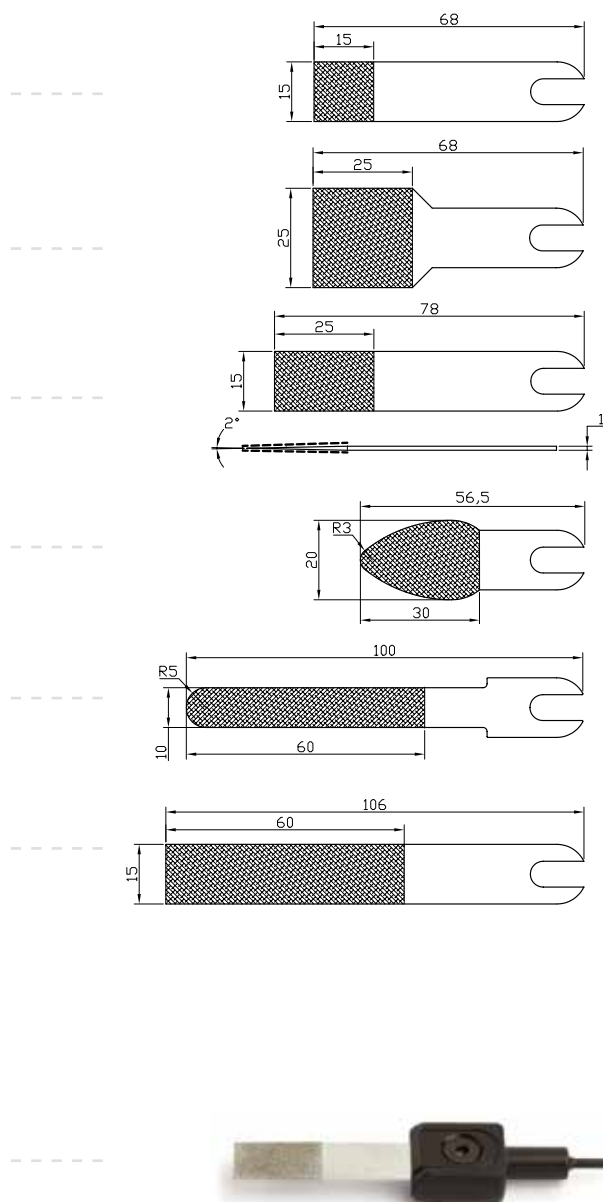
# MS Multi File System

## Description & Use:

STRAUSS & CO.'s unique **Multi File System** kit is widely used in the Plastic molds and Aluminium extruders industries. The unique design of the holding system allows "STRAUSS & CO." to manufacture these very wide, but still very thin flat files. The special design enables full contact between the whole surface of the file and the work piece. All the MS files are available individually (replacements) or as part of a kit.



| Cat. No.   | Dimensions (mm)                     | Grit sizes | Thickness according to grit size |
|------------|-------------------------------------|------------|----------------------------------|
| MS15       | 15x15x68                            | D30-D126   | 0.4-1.2 mm                       |
| MS25       | 25X25X68                            | D30-D126   | 0.4-1.2 mm                       |
| MS15X1°    | 15X1°X25X78                         | D30-D126   | 0.2-0.8 mm                       |
| MS20R_3    | 20xR3x30x57                         | D30-D126   | 0.4-0.7mm <b>NEW</b>             |
| MS10R_60   | 10xR5x60x100                        | D30-D126   | 0.4-0.7mm <b>NEW</b>             |
| MS15X106   | 15X60X106                           | D54-D126   | 1.7-2.0 mm <b>NEW</b>            |
| MSHANDLE   | Special Multi Grip Holder           |            |                                  |
| MS-HOLDER3 | Holder For Filing Machine 3mm Shank |            |                                  |



**Subject to minimum order quantity - please inquire**

Other thicknesses / grit sizes are available  
Tolerance: Thickness  $\pm 0.15\text{mm}$ . Profile  $\pm 0.3\text{mm}$ .

**Sets are also available, see page 19 of our full catalog.**

## Description & Use:

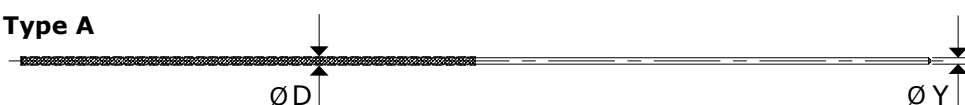
The CYF files offer small diameter yet very strong files for round filing, with a unique "Safe-End" Design.

**Total length 140mm. Diamond coated length 70mm**

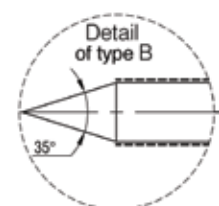


| Cat.No. | Grit size | Diameter, mm.             |                  | Type No. |
|---------|-----------|---------------------------|------------------|----------|
|         |           | D*±0.1<br>(After Plating) | Y±0.1<br>(Shank) |          |
| CYF-0.5 | D64       | 0.5                       | 0.33             | A        |
| CYF-1   | D64       | 1.0                       | 0.8              |          |
|         | D126      |                           | 0.7              |          |
| CYF-1.5 | D64       | 1.5                       | 1.3              |          |
|         | D126      |                           | 1.2              |          |
| CYF-2   | D64       | 2.0                       | 1.8              |          |
|         | D126      | 2.1                       | 1.8              |          |
| CYF-3   | D64       | 2.9                       | 2.7              |          |
|         | D126      | 3.0                       | 2.7              |          |

### Type A



| Cat.No. | Grit size | Diameter, mm.             |                  | Type No. |
|---------|-----------|---------------------------|------------------|----------|
|         |           | D*±0.1<br>(After Plating) | Y±0.1<br>(Shank) |          |
| CYF-4   | D64       | 4.0                       | 4.0              | B        |
|         | D126      |                           |                  |          |
| CYF-4.5 | D64       | 4.5                       | 5.0              |          |
|         | D126      |                           |                  |          |
| CYF-5   | D64       | 5.0                       |                  |          |
|         | D126      |                           |                  |          |



### Type B



# Micro Pins

STRAUSS & CO.'s is facing an increasing demand for super small precision ID grinding. We are delighted to present the new line of Micro Diamond & CBN Pins. The demand derives from various industries such as Ceramic and Electronics. We now offer also the smaller diameter pins starting at 0.2 mm diameter as standard tools. The pins are available with a **HSS** shank or a **Carbide shank** - for extra strength and precision.

● - Fine grits      ● - Medium grits

| Shank   | Cat.No.  | D   | T | L1 | Y | L  | Grit Size<br>D or B |
|---------|----------|-----|---|----|---|----|---------------------|
| HSS     | PM0.2-01 | 0.2 | 5 | 5  | 3 | 40 | 30                  |
|         | PM0.3-01 | 0.3 | 2 | 5  | 3 | 40 | 30 46 54            |
|         | PM0.4-01 | 0.4 | 2 | 5  | 3 | 40 |                     |
|         | PM0.5-01 | 0.5 | 2 | 5  | 3 | 40 |                     |
|         | PM0.5-05 | 0.5 | 3 | 7  | 3 | 50 |                     |
|         | PM0.6-01 | 0.6 | 3 | 5  | 3 | 40 | 46 54 91            |
|         | PM0.6-05 | 0.6 | 3 | 7  | 3 | 50 |                     |
|         | PM0.7-01 | 0.7 | 3 | 5  | 3 | 40 |                     |
|         | PM0.7-05 | 0.7 | 3 | 7  | 3 | 50 |                     |
|         | PM0.8-01 | 0.8 | 3 | 5  | 3 | 40 |                     |
| Carbide | PM0.8-05 | 0.8 | 4 | 10 | 3 | 50 | 46 54 91 126        |
|         | PM0.9-01 | 0.9 | 4 | 7  | 3 | 40 |                     |
|         | PM0.9-05 | 0.9 | 4 | 10 | 3 | 50 |                     |
|         | GT0.3-01 | 0.3 | 5 | 5  | 3 | 40 | 30 46 54            |
|         | GT0.4-01 | 0.4 | 5 | 5  | 3 | 40 |                     |
|         | GT0.5-01 | 0.5 | 5 | 5  | 3 | 40 |                     |
|         | GT0.6-01 | 0.6 | 5 | 5  | 3 | 40 | 46 54 91            |
|         | GT0.7-01 | 0.7 | 5 | 5  | 3 | 40 |                     |
|         | GT0.8-01 | 0.8 | 3 | 5  | 3 | 40 |                     |
|         | GT0.9-01 | 0.9 | 4 | 7  | 3 | 40 | 46 54 91 126        |



## Remarks:

All grinding pins are available in other diameters, grit sizes and different measurements upon request.

**Minimum clamping length = Half of total length:  $L_c = 0.5 \times L$ .**

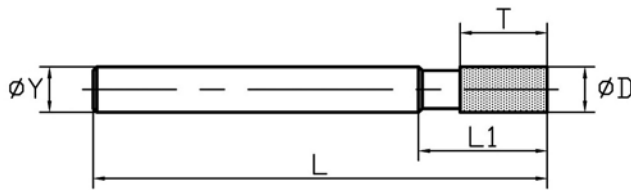
Tolerance: D=  $\pm 0.05\text{mm}$  T=  $\pm 1.0\text{mm}$ , L1=  $\pm 1.0\text{mm}$ , Y= h6, L=  $\pm 1.0\text{mm}$ .

# Composite Grinding Tools

STRAUSS & CO.'s Composite grinding tools are widely used today in various industries, as demand for good tools to machine composite is increasing. Machining composites is a demanding task, and Strauss enjoys years of experience in doing so. Whether the need is for trimming, de-burring, drilling or shaping of GFRP or CFRP Materials – Strauss Electro Plated or Vacuum Brazed tools will do the job.



## Cylindrical routers



### Metric sizes:

| Cat#      | Size |    |    |    |     | Grit         | Bond                                    |
|-----------|------|----|----|----|-----|--------------|-----------------------------------------|
|           | D    | T  | L1 | Y  | L   |              |                                         |
| PCM3.0-01 | 3    | 10 | 12 | 3  | 55  | 60/80 (D252) | Electroplated<br>or<br>Vacuum<br>brazed |
| PCM6.0-01 | 6    | 20 | 22 | 6  | 60  | 40/50 (D427) |                                         |
| PCM8.0-01 | 8    | 25 | 27 | 8  | 80  |              |                                         |
| PCM10-01  | 10   | 25 | 27 | 10 | 80  | 30/40 (D602) |                                         |
| PCM12-01  | 12   | 40 | 42 | 12 | 100 |              |                                         |
| PCM20-01  | 20   | 45 | 47 | 20 | 100 |              |                                         |

### Inch sizes:

| Cat#      | Size |      |        |      |      | Grit            | Bond                                 |
|-----------|------|------|--------|------|------|-----------------|--------------------------------------|
|           | D    | T    | L1     | Y    | L    |                 |                                      |
| PCI1/8-01 | 1/8" | 1/2" | 0.55"  | 1/8" | 2"   | 60/80<br>(D252) | Electroplated<br>or<br>Vacuum brazed |
| PCI1/4-01 | 1/4" | 3/4" | 0.825" | 1/4" | 2.5" | 40/50<br>(D427) |                                      |
| PCI3/8-01 | 3/8" | 1"   | 1.075" | 3/8" | 3"   |                 |                                      |
| PCI1/2-01 | 1/2" | 1.5" | 1.575" | 1/2" | 4"   | 30/40<br>(D602) |                                      |
| PCI3/4-01 | 3/4" | 1.5" | 1.575" | 3/4" | 4"   |                 |                                      |

### Available with or without cooling slots.

For cooling slots please add S to the Cat#.

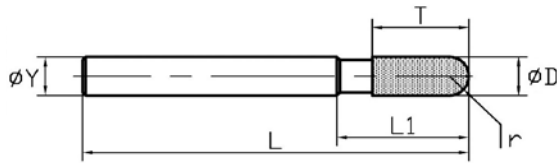
Ex. PCM10-01-S-D427

Ex. PCI1/4-01-S-40/50

Other sizes and grit sizes are available upon request.

# Composite Grinding Tools

## Round End Routers



**Metric sizes:**

| Cat#       | Size |    |     |    |    |     | Grit            | Bond                                    |
|------------|------|----|-----|----|----|-----|-----------------|-----------------------------------------|
|            | D    | T  | r   | L1 | Y  | L   |                 |                                         |
| PCRM3.0-01 | 3    | 10 | 1.5 | 12 | 3  | 55  | 60/80<br>(D252) | Electroplated<br>or<br>Vacuum<br>brazed |
| PCRM6.0-01 | 6    | 20 | 3   | 22 | 6  | 60  | 40/50<br>(D427) |                                         |
| PCRM8.0-01 | 8    | 25 | 4   | 27 | 8  | 80  |                 |                                         |
| PCRM10-01  | 10   | 25 | 5   | 27 | 10 | 80  | 30/40<br>(D427) |                                         |
| PCRM12-01  | 12   | 40 | 6   | 42 | 12 | 100 |                 |                                         |
| PCRM20-01  | 20   | 45 | 10  | 47 | 20 | 100 |                 |                                         |

**Inch sizes:**

| Cat#       | Size |      |       |        |      |      | Grit            | Bond                                    |
|------------|------|------|-------|--------|------|------|-----------------|-----------------------------------------|
|            | D    | T    | r     | L1     | Y    | L    |                 |                                         |
| PCRI1/8-01 | 1/8" | 1/2" | 1/16" | 0.55"  | 1/8" | 2"   | 60/80<br>(D252) | Electroplated<br>or<br>Vacuum<br>brazed |
| PCRI1/4-01 | 1/4" | 3/4" | 1/8"  | 0.825" | 1/4" | 2.5" | 40/50<br>(D427) |                                         |
| PCRI3/8-01 | 3/8" | 1"   | 3/16" | 1.075" | 3/8" | 3"   |                 |                                         |
| PCRI1/2-01 | 1/2" | 1.5" | 1/4"  | 1.575" | 1/2" | 4"   | 30/40<br>(D602) |                                         |
| PCRI3/4-01 | 3/4" | 1.5" | 3/8"  | 1.575" | 3/4" | 4"   |                 |                                         |

Other sizes and grit sizes are available upon request.

**Available with or without cooling slots.**

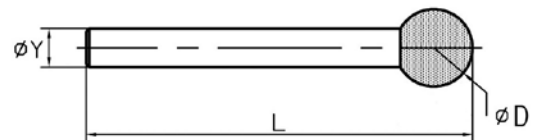
For cooling slots please add S to the Cat#. EX. PCRM8.0-01-S-D252 | PCRI1/8-01-S-D252



## Ball Routers

**Metric sizes:**

| Cat# | Size |   |    | Grit            | Bond                                    |
|------|------|---|----|-----------------|-----------------------------------------|
|      | D    | Y | L  |                 |                                         |
| GR3  | 3.5  | 3 | 45 | D427<br>(40/50) | Electroplated<br>or<br>Vacuum<br>brazed |
| GR6  | 6.5  | 3 | 45 |                 |                                         |
| GR8  | 8.5  | 6 | 60 |                 |                                         |
| GR10 | 10.5 | 6 | 60 |                 |                                         |
| GR12 | 12.5 | 6 | 60 |                 |                                         |
| GR15 | 15.5 | 6 | 60 |                 |                                         |



**Inch sizes:**

| Cat#   | Size  |       |       | Grit            | Bond                                    |
|--------|-------|-------|-------|-----------------|-----------------------------------------|
|        | D     | Y     | L     |                 |                                         |
| GR0118 | 0.137 | 0.125 | 1.772 | D427<br>(40/50) | Electroplated<br>or<br>Vacuum<br>brazed |
| GR0236 | 0.255 | 0.125 | 1.772 |                 |                                         |
| GR0315 | 0.335 | 0.250 | 2.362 |                 |                                         |
| GR0394 | 0.413 | 0.250 | 2.362 |                 |                                         |

Other sizes and grit sizes are available upon request. Tolerance: D= ±0.5mm

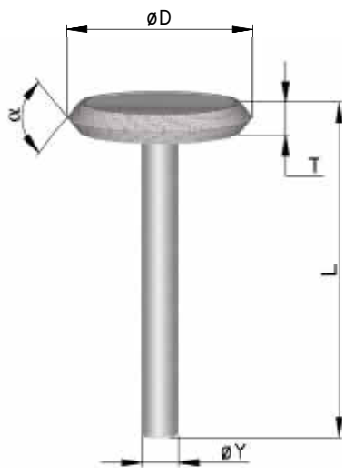
## Saws On A Shank

| Cat No.    | D  | T   | W | Y | L  | R | $\alpha$ |
|------------|----|-----|---|---|----|---|----------|
| GP-40-01   | 40 | 3.5 | 2 | 6 | 50 |   |          |
| SP-1-30-05 | 30 | 5   | 2 | 6 | 50 |   | 60       |
| SP-1-35-10 | 35 | 5   | 2 | 6 | 50 |   | 90       |
| SP-4-30-01 | 30 | 4   | 2 | 6 | 50 | 2 |          |

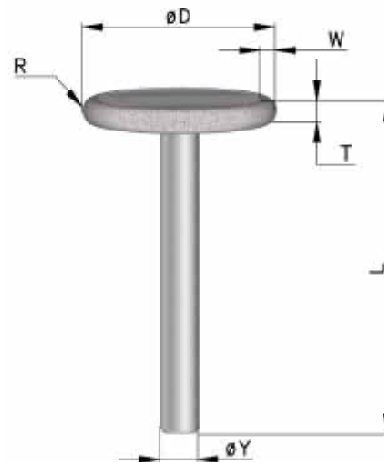
Above sizes are after plating with D427.

**Other sizes are available upon request.**

**Please specify the required sizes, using the drawings below.**



**SP-1-30-05  
SP-1-35-10**



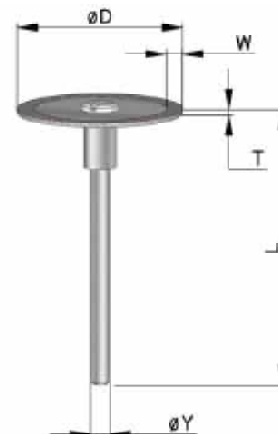
**SP-4-30-01**



**GP-40-01**

## Saw on a mandrel

| Cat No.      | D  | T   | W | Y | L  |
|--------------|----|-----|---|---|----|
| SWM25-01D252 | 25 | 1.2 | 2 | 3 | 35 |
| SWM40-01D252 | 40 | 1.2 | 2 | 3 | 35 |
| SWM40-05D427 | 40 | 2.5 | 3 | 3 | 35 |
| SWM50-01D252 | 50 | 1.2 | 2 | 3 | 35 |
| SWM50-05D427 | 50 | 2.5 | 3 | 3 | 35 |

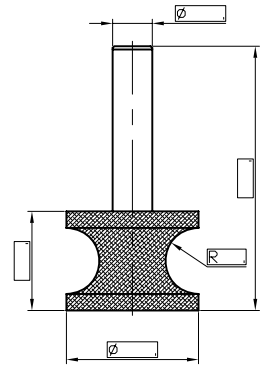


# Composite Grinding Tools

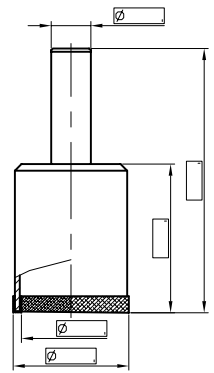
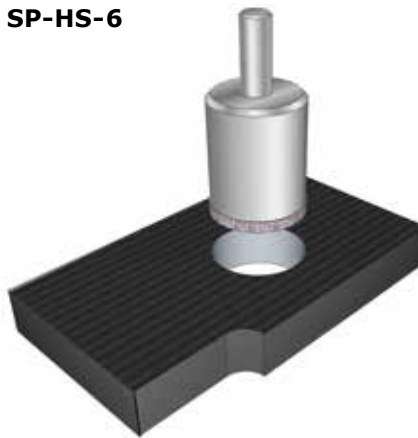
## Description & Use:

Custom made tools for drilling, trimming and shaping composite materials. Please use drawings below to specify the exact tool you require.

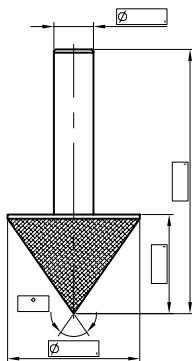
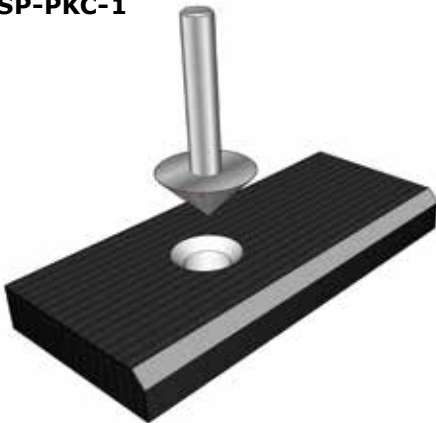
**SP-C-6**



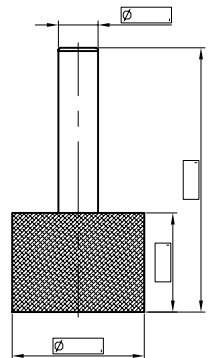
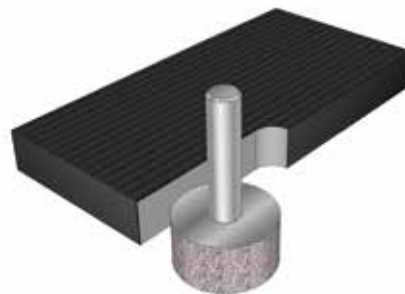
**SP-HS-6**



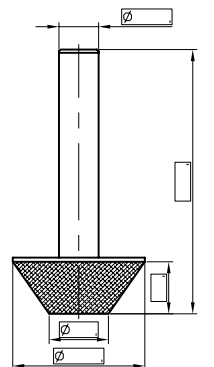
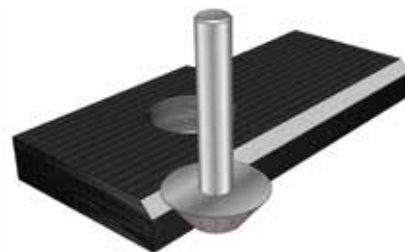
**SP-PKC-1**



**SP-CY-1**



**SP-PFC-1**



Other sizes shapes and grits are available upon request.

# CAD/CAM Burs

## Description & Use:

**STRAUSS & CO. Now Provides Diamond Burs Specially Designed To Work On Popular Cad/Cam Milling Machines.**

The Strauss Burs for the CAD/CAM machines are widely used by thousands of labs and dentists worldwide.

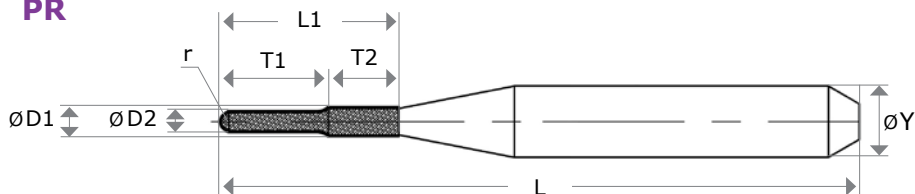
Try Strauss CAD/ CAM line of plated burs - and see for yourself why "Strauss turns precision into value".

Please contact us for specific information regarding available shapes.

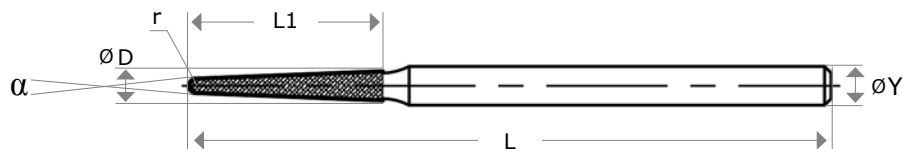


Composite Grinding Tools & CAD/CAM

### PR



### PRT



| Cat No.   | D1  | T1 | D2   | T2 | R    | L1   | L  | Y | α  |
|-----------|-----|----|------|----|------|------|----|---|----|
| PR0.8-10  | 0.8 | 6  | 1.0  | 4  | 0.4  | 16.5 | 40 | 4 |    |
| PR1.0-05  | 1.0 | 5  |      |    | 0.5  | 15   | 40 | 3 |    |
| PRT1.0-05 | 1.0 | 15 |      |    | 0.35 | 15   | 50 | 3 | 5° |
| PR1.2-05  | 1.2 | 6  | 1.65 | 4  | 0.6  | 16.5 | 40 | 4 |    |
| PR2.0-01  | 2   | 10 |      |    | 1    | 15   | 40 | 4 |    |
| PR2.5-01  | 2.5 | 10 |      |    | 1.25 | 15   | 40 | 3 |    |
| PR3.0-01  | 3   | 10 |      |    | 1.5  | 15   | 40 | 3 |    |

Tolerances per technical drawings.

**Other sizes shapes and grit are available upon request.**



# Diamond Polishers

STRAUSS & CO.'s **Diamond impregnated polishers** are made of the highest quality Diamonds impregnated into Long-lasting rubber to provide a uniform consistent finish with ease of use and short working time. The polishers are designed for smoothing, polishing and achieving high-lustre polishing on various metals as well as on platinum, titanium and Stainless Steel. The Polishers are mounted on a mandrel with an adaptor for Ø3 mm Shank, and will fit any Ø2.35 or Ø3 mm Rotary filing or polishing machine.

Please contact us for further technical details.



|          |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Cat. No. | RDHP2X3F                                                                          | RDHP2X3M                                                                          | RDHP2X3C                                                                          |
| Grit     | Fine                                                                              | Medium                                                                            | Coarse                                                                            |
| Size     | 4 x 13 mm                                                                         |                                                                                   |                                                                                   |
| PRM      | 7.000 - max. 10.000                                                               |                                                                                   |                                                                                   |
| Shape    | Flame                                                                             |                                                                                   |                                                                                   |

|          |  |  |  |
|----------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cat. No. | RDHP26X3F                                                                          | RDHP26X3M                                                                           | RDHP26X3C                                                                           |
| Grit     | Fine                                                                               | Medium                                                                              | Coarse                                                                              |
| Size     | 26 x 2 mm                                                                          |                                                                                     |                                                                                     |
| PRM      | 5.000 - max. 10.000                                                                |                                                                                     |                                                                                     |
| Shape    | Disc                                                                               |                                                                                     |                                                                                     |

|          |  |  |  |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cat. No. | RDHP17X3F                                                                           | RDHP17X3M                                                                           | RDHP17X3C                                                                           |
| Grit     | Fine                                                                                | Medium                                                                              | Coarse                                                                              |
| Size     | 17 x 2.5 mm                                                                         |                                                                                     |                                                                                     |
| PRM      | 7.000 - max. 10.000                                                                 |                                                                                     |                                                                                     |
| Shape    | Wheel                                                                               |                                                                                     |                                                                                     |

|          |  |  |  |
|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cat. No. | RDRA8X3F                                                                              | RDRA8X3M                                                                              | RDRA8X3C                                                                              |
| Grit     | Fine                                                                                  | Medium                                                                                | Coarse                                                                                |
| Size     | 11 x 2 mm                                                                             |                                                                                       |                                                                                       |
| PRM      | 7.000 - max. 12.000 min-1                                                             |                                                                                       |                                                                                       |
| Shape    | wheel                                                                                 |                                                                                       |                                                                                       |

To receive a bright shiny polish - use of all 3 grit sizes from coarse to fine

|          |  |  |  |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cat. No. | RDRA17X3F                                                                           | RDRA17X3M                                                                           | RDRA17X3C                                                                           |
| Grit     | Fine                                                                                | Medium                                                                              | Coarse                                                                              |
| Size     | 6 x 7.5 mm                                                                          |                                                                                     |                                                                                     |
| PRM      | 7.000 - max. 12.000                                                                 |                                                                                     |                                                                                     |
| Shape    | Cup                                                                                 |                                                                                     |                                                                                     |

|          |  |  |  |
|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cat. No. | RDRA16X3F                                                                             | RDRA16X3M                                                                             | RDRA16X3C                                                                             |
| Grit     | Fine                                                                                  | Medium                                                                                | Coarse                                                                                |
| Size     | 4 x 10 mm                                                                             |                                                                                       |                                                                                       |
| PRM      | 7.000 - max. 12.000                                                                   |                                                                                       |                                                                                       |
| Shape    | Flame                                                                                 |                                                                                       |                                                                                       |

|          |  |  |  |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cat. No. | RDRA18X3F                                                                           | RDRA18X3M                                                                           | RDRA18X3C                                                                           |
| Grit     | Fine                                                                                | Medium                                                                              | Coarse                                                                              |
| Size     | 10 x 2.5 mm                                                                         |                                                                                     |                                                                                     |
| PRM      | 7.000 - max. 12.000 min-1                                                           |                                                                                     |                                                                                     |
| Shape    | Lens                                                                                |                                                                                     |                                                                                     |

# Diamond Foils

STRAUSS & CO.'s **Diamond lapping foils** are made of precisely graded Diamond particles bonded to high strength Polyester backing to provide a uniform consistent finish, waterproof, high tensile strength and heat resistance.

The applications range from dies and Mold industry as well as Jewelry, Fiber Optics and Semi Conductors Industries; particularly suited for flat surface with high gloss polishing.

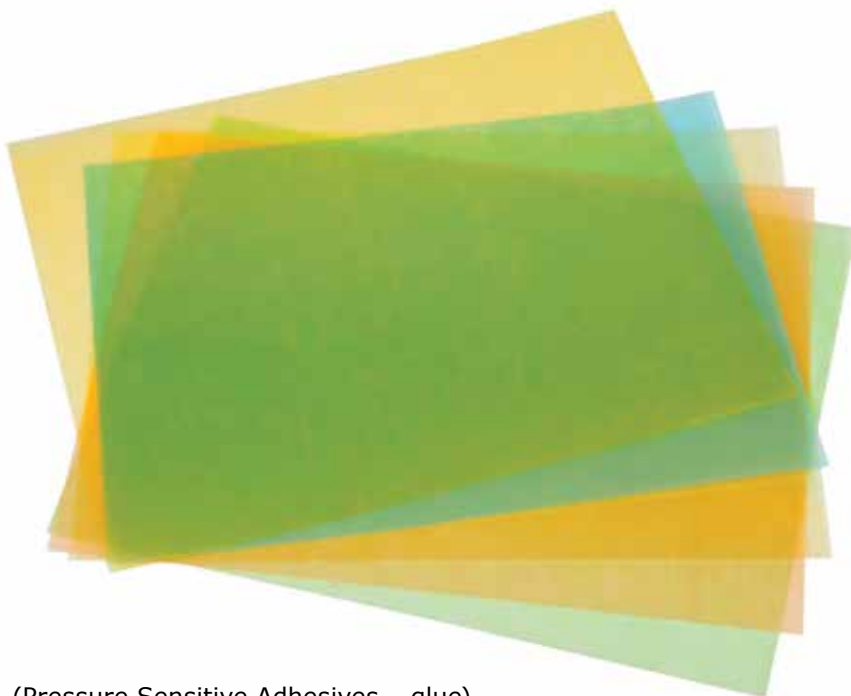
Applications in use: Tungsten Carbide, Ceramic, Hardened Steels, Precious Stones & Epoxy Materials.

Films are available in standard sizes as seen below and special sizes per request.



| Cat. No.   | size           |
|------------|----------------|
| DF-M150X25 | 150 mm X 25 mm |

| Grit (micron) | Color       |
|---------------|-------------|
| 3             | Pink        |
| 6             | Brown       |
| 9             | Blue        |
| 15            | Orange      |
| 30            | Green       |
| 45            | Light Amber |
| 60            | Dark Amber  |



The foils are available with or without PSA (Pressure Sensitive Adhesives – glue)  
For PSA please add P to the code - DF-**P**M150X25

## Remarks:

Available also in different sizes upon request.

# Small Diamond Discs on a Shank

Strauss diamond discs are designed for the fabrication, contouring, and shaping of metals and composites, available in the most popular shapes and in 3 grit sizes. The discs are mounted on a mandrel with an adaptor for Ø3 mm Shank, and will fit any Ø 2.35 or Ø 3 mm Rotary filing or polishing machine.

Individually packed and color coded for easy identification. Discs are available with double or single side diamond plating. Please contact us for further technical details.



| Cat. No.       | DD3/D350-210-017F | DD3/D350-210-022F | DD3/D350-220-017F | DD3/D350-220-022F | DD3/D355-190-017F |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Size Ø (mm)    | 21                | 21                | 22                | 22                | 19                |
| Grit           | D54               | D54               | D54               | D54               | D54               |
| Thickness (mm) | 0.17              | 0.22              | 0.17              | 0.22              | 0.17              |
| Sides          | Double            | Double            | Double            | Double            | Double            |



| Cat. No.       | DD3/D355-190-010SF | DD3/D355-220-010SF | DD3/D355-220-016SF+C                 | DD3/D355-220-017SP/F | DD3/D355-220-019C | DD3/S356-220-010F | DD3/D358-220-019C | DD3/D358-220-019F |
|----------------|--------------------|--------------------|--------------------------------------|----------------------|-------------------|-------------------|-------------------|-------------------|
| Size Ø (mm)    | 19                 | 22                 | 22                                   | 22                   | 22                | 22                | 22                | 22                |
| Grit           | D30                | D30                | D30, D126                            | D54                  | D126              | D54               | D126              | D54               |
| Thickness (mm) | 0.10               | 0.10               | 0.16                                 | 0.17                 | 0.19              | 0.10              | 0.19              | 0.19              |
| Sides          | Double             | Double             | Double, top superfine, bottom coarse | Double               | Double            | Single            | Double            | Double            |

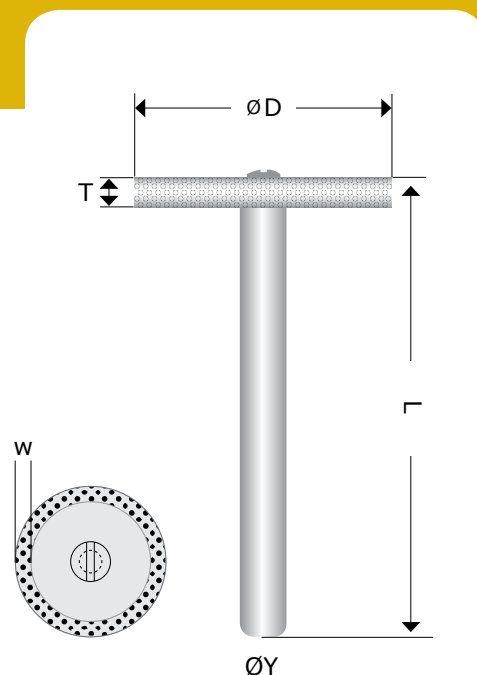


| Cat. No.       | DD3/D379-220-017F | DD3/D379-220-022F | DD3/D402-220-017F | DD3/D402-220-022F | DD3/S351-210-010F | DD3/D355-220-017F | DD3/S356-190-010F | DD3/S358-220-010C |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Size Ø (mm)    | 22                | 22                | 22                | 22                | 21                | 22                | 19                | 22                |
| Grit           | D54               | D54               | D54               | D54               | D54               | D54               | D54               | D126              |
| Thickness (mm) | 0.17              | 0.22              | 0.17              | 0.22              | 0.10              | 0.17              | 0.10              | 0.10              |
| Sides          | Double            | Double            | Double            | Double            | Single            | Double            | Single            | Single            |

# Disc On A Mandrel / Diamond Wires

| Cat. No.     | D  | T    | W | H | L  | Grit Size      |
|--------------|----|------|---|---|----|----------------|
| 46000S02D54  | 20 | 0.4  | 2 | 3 | 35 | (270/325) D54  |
| 46000S02D91  | 20 | 0.6  |   |   |    | (170/200) D91  |
| 46000S04D54  | 30 | 0.4  |   |   |    | (270/325) D54  |
| 46000S04D91  | 30 | 0.6  |   |   |    | (170/200) D91  |
| 46000S06D91  | 40 | 0.6  |   |   |    | (170/200) D91  |
| 46000S080D54 | 50 | 0.4  |   |   |    | (270/325) D54  |
| 46000S05D126 | 50 | 0.75 |   |   |    | (120/140) D126 |

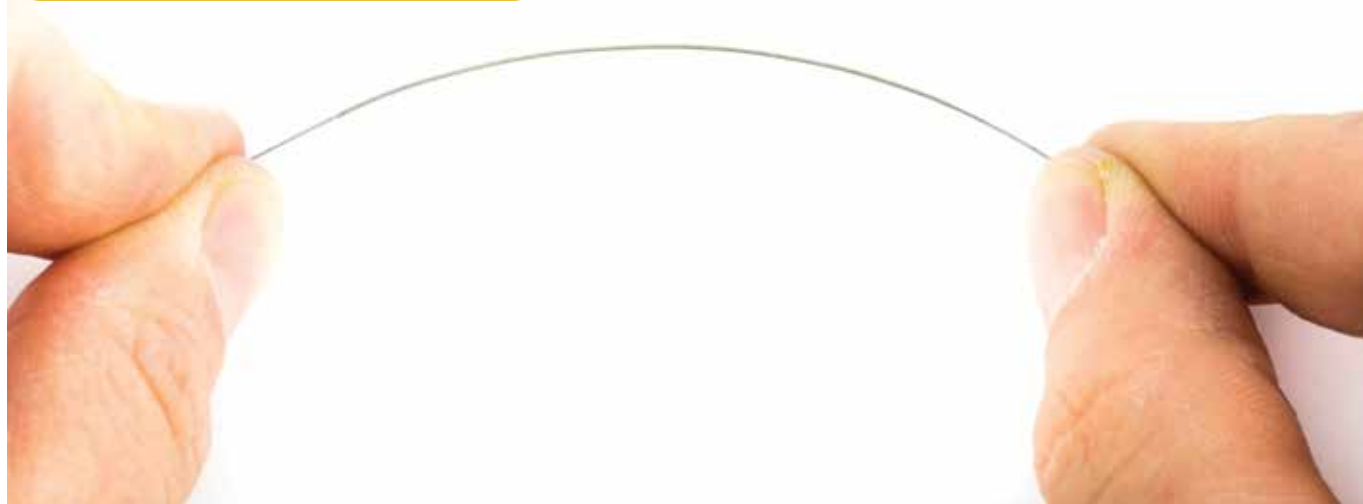
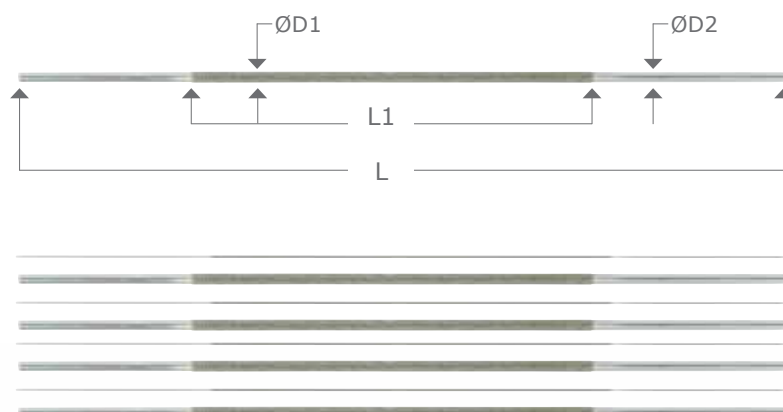
Tolerances per technical drawings.



## Diamond Wires

This Wires are used for filing narrow but long round surfaces.  
The Wires can be bent for the required angles.  
Available in below standard sizes, or with other sizes per request.

| Code        | D1  | D2  | L1 | L   |
|-------------|-----|-----|----|-----|
| DW0.4-01D30 | 0.4 | 0.3 | 70 | 130 |
| DW0.5-01D54 | 0.5 | 0.3 |    |     |
| DW0.6-01D91 | 0.6 | 0.3 |    |     |
| DW0.7-01D91 | 0.7 | 0.4 |    |     |
| DW0.8-01D91 | 0.8 | 0.5 |    |     |
| DW1.0-01D91 | 1   | 0.7 |    |     |
| DW1.5-01D91 | 1.5 | 1.2 |    |     |
| DW2.0-01D91 | 2   | 1.7 |    |     |





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