



**CP GRAT-EX**  
Manufacturing Company

## NEW SMART DEBURRING TOOLS



### Hand-Deburring Tools - Classic Line

( Page 2 to 6 )

- Edges - Straight, Inner & curved,
- Both sides of - slot, key-ways, ribs, ridge, sheets,
- Scraper for corner & surface finishing work
- Hole front & back side



### Multi-Component Handle based Deburring Tools

( Page 7 & 8 )

For best results, we offer Deburring Tools  
with unique Blade & Handle design concepts



### Multi-Cutting Edge Deburring Tools

( Page 9 to 12 )

Break-through Design in the History of Deburring  
Optimum use of entire cutting edge length



### Deburring Tool Head for Inside (ID) & Outside (OD) Diameter

( Page 13 to 15 )

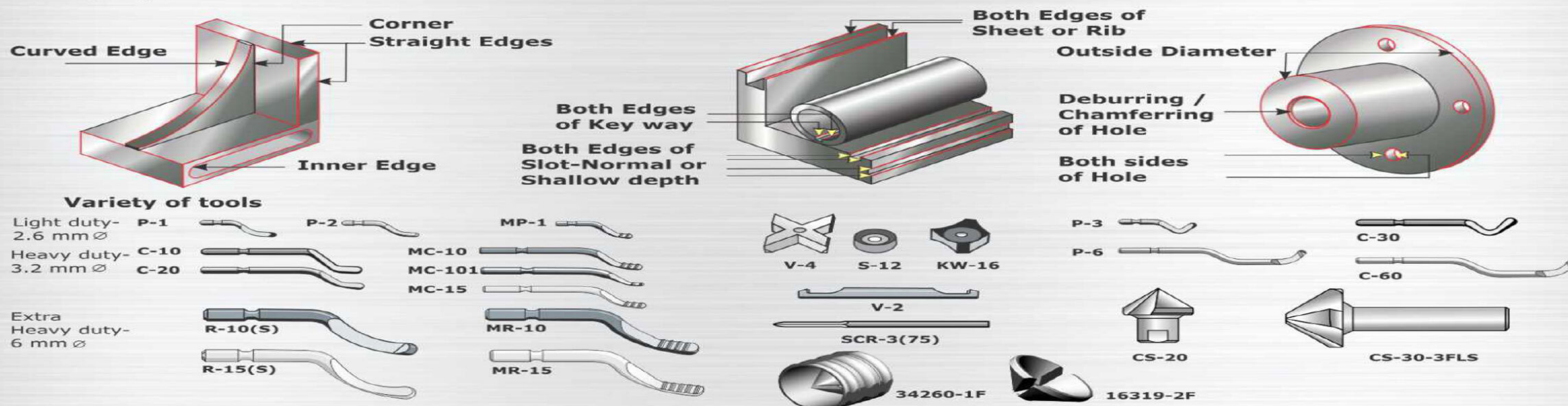
Quick reversal of tool for deburring of ID & OD





Burrs are the unwanted portion of metal which remain at the edges of components after machining. Deburring is therefore essential which is commonly done by filing or by using deburring machine tool. Filing off burr is time consuming and it also does not give smooth edge; whereas burr removal using deburring machine tool is not always possible or economical. **Deburring hand tools offer Fast, Efficient and Economical solution for burr removal.**

**Application Overview:** We offer Deburring tools for hand Deburring of Edges- Straight, Internal & Curved, Both sides of - slots, key-ways, Ribs, Ridge, Sheets, Corners, Single or both sides of Hole etc.



For Deburring of component materials such as Steel, Al., Copper, Brass, Cast Iron, Stainless Steel, Alloy Steel, hard plastic etc., blades of different shapes & cutting angles are available.

BLADES TYPE	SUITABLE FOR DEBURRING OF	BLADES TYPE	SUITABLE FOR DEBURRING OF
P1, C-10, R-10(S), MP-1, MC-10, MC-70, MR-10	Steel, Al., Copper etc.	C-100, C-150, Coated & M35 Blades	Hard Metals
P2, C-20, MP-2, MC-20, MC-40, MC-80	Cast Iron, Brass	S-12, V-2, V-4	Sheet / Ribs - Both sides
P3, P-6, C-30, C-60, MC-40	Sheet metal holes	KW-9, KW-16	Key-way / Slots
C-15, R-15(S), MC-15, MR-15	Stainless Steel	SCR-3, SCR-345, SCR-6(2), SCR-8	Surface finishing / Scraping, Corner cleaning
C-101, MC-101	Small holes	CS-12, CS-20, CS-30, CS-12-3FLS, CS-20-3FLS, CS-30-3FLS, CS-40-3FLS,	Hole deburring/ Chamfering
16316-2F, 22426-2F, 40586-2F, 34265, 34295	Inner & Outer Edge of Tube	16319-2F, 22429-2F, 40589-2F, 34260-1F, 34290-1F	Inner & Outer Edge of Tube

The Deburring Blades & Countersink Tools are made of High Speed Steel - M2 or M35 Grade material.

## Hand - Deburring Tools Classic Line

### Deburring Tools with Handle

**DT-1** This is a Simple, Economical Tool. It has universal blade C-10 attached to a hexagonal handle with pocket clip. The blade cannot be replaced.



Packing Model	Includes
DT-1 (2) (31014)	2 pcs of DT-1
DT-1 (10) Set (86109)	10 pcs of DT-1

**DT-2** In this the blade can be replaced. This includes Hexagonal handle with universal blade C-10.



Packing Model	Includes
DT-2 (31024)	1 pc of DT-2
DT-2 (5) Set (86059)	5 pcs of DT-2

**DT-3** Here the blades can be replaced & stored from back side of the handle. The handle body is of ABS plastic & the blade holder is of polyacetal.



Packing Model	Includes
DT-3 (33033)	'D' Handle & 3 Blades C-10, C-20 & C-30

#### DT-3 (M)-SD

This is Polyacetal body handle & Matallic Blade Holder for longer life.

- ✓ Ergonomically designed.
- ✓ Has thumb rest. ✓ Grips well in Hand.
- ✓ Blades can be stored from backside.



Packing Model	Includes
DT-3(M)-SD (34034)	'D-SD' Handle & 3 Blades C-10, C-20 & C-30

#### DT-5-SD

Here the Blades can be replaced & the holder can be telescoped to reach & deburr the burrs at depth.

- ✓ Collet action ensures firm locking of plain surface holders.



Packing Model	Includes
DT-5-SD (34054)	'T-SD' Handle, DT(C)Holder & 5 Blades C-10, C-20, C-30, C-10(C) & C-15
DT-52-SD (34524)	'T-SD' Handle, DT(P) Holder & 2 Blades P1 & P2.

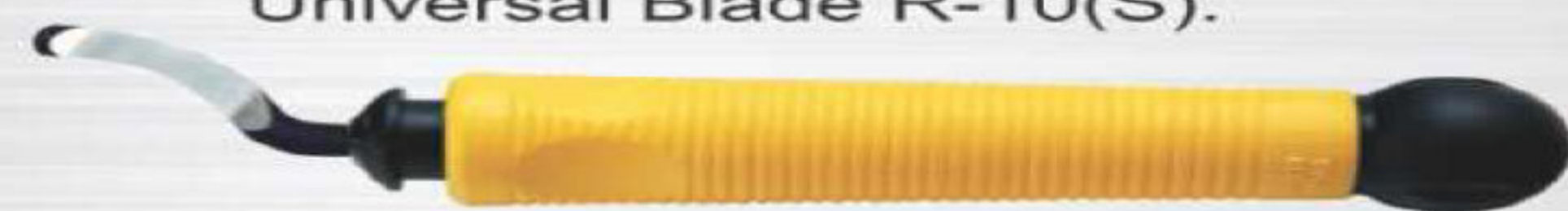


## RDT-SD Rigid Deburring Tools (34064)

Extra Heavy duty deburring tool.

Strong, Sturdy & Rugged.

Type RDT-SD includes Handle 'R-SD' & Universal Blade R-10(S).



## Key-Way/ Slot Deburrer KWS-SD (34074)

For simultaneous deburring of both edges of slot or key-way. Four cutting edges -2 for std. depth of slot / key-way & 2 for shallow depth. Includes Handle 'T-SD', telescopic holder KW, Blades KW-9 & KW-16.



## Sheet / Rib Deburrer Set SDT (34084)

Excellent for deburring one or both edges of sheets / ribs. Width range 0 -12 mm.

Cutting edge along the full circle on 2 sides.



## 'V' Shaped Sheet / Rib Deburrer

### VDT-SD (34094)

Unique Tool-has 4 nos 'V' shaped edges 2 nos for 1 to 12 mm width range & 2 nos for 0 to 4 mm width range. Includes handle 'T-SD', Telescopic holder VT & V-4 blade.

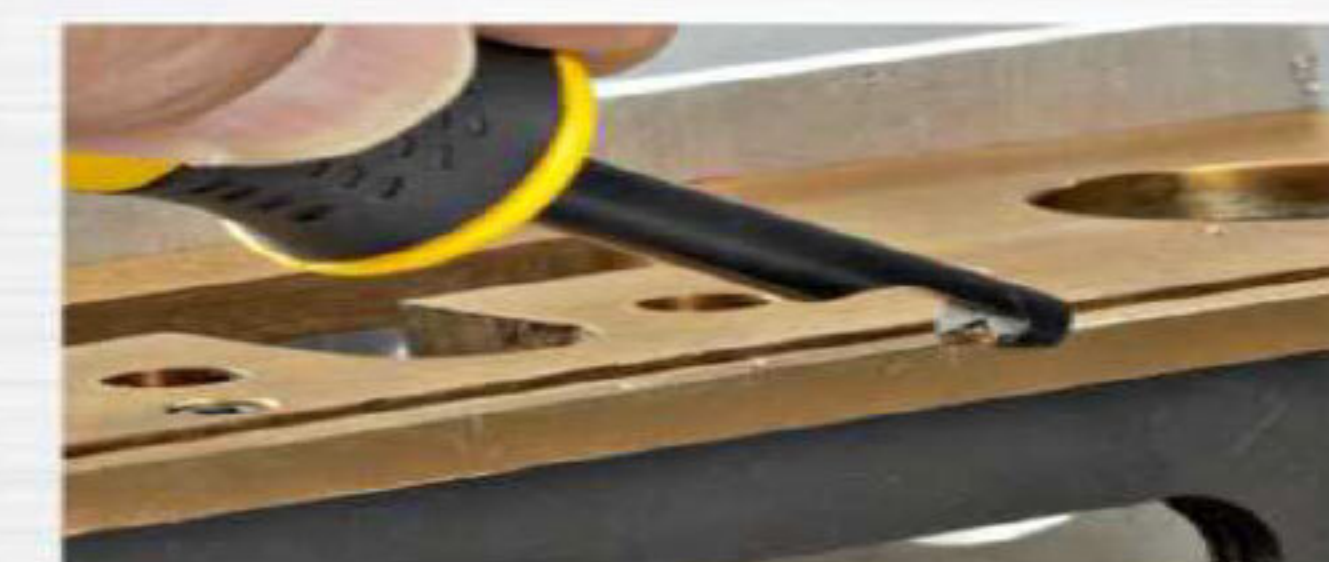


## Sheet / Rib Deburrer V2-SD (34104)



V-2 Blade

- ✓ Double ended tool.
- ✓ Held & replaceable in collet type T-SD Handle.
- ✓ Deburrs both edges of sheet/ rib of upto 4 mm thickness from one side.
- ✓ Single edge deburring from another side of the tool.



## DT-SD (3-in-1) Set (86319)

- ✓ This is a unique Deburring Tool with Handle which can hold three sizes of swivel blades viz. 'R' (6 mm  $\phi$ ), 'C' (3.2 mm  $\phi$ ) & 'P' (2.6 mm  $\phi$ )
- ✓ The handle has auto release system for easy change of blades & Holders.
- ✓ All the holders and blades can be stored from back side of the handle.
- ✓ Includes Handle 'R-SD', Holders SD-C & SD-P and 7 Blades R-15 (S), C-10, C-20, C-30, P-1, P-2 & P-3.



Handle shown with R-15(S) Blade.



Holder SD-C

Holder SD-P



Handle shown with SD-C Hoder & C-10 Blade.

## Scraper for Surface finishing/ Scraping

### Scraper SCR-3- (72034)

Triangular 3 mm A/F Scraper. Fixed Blade type.



### Scraper SCR-3 (75) - SD (74754)

Triangular 3 mm A/F (75mm) Scraper. Replaceable Blade type.



### Scraper SCR-8 (75084)

Triangular 8mm A/F Scraper. Replaceable type.



### Scraper SCR-8-SD (74084)

Triangular 8mm A/F Scraper with Swiss Design handle. Replaceable type.

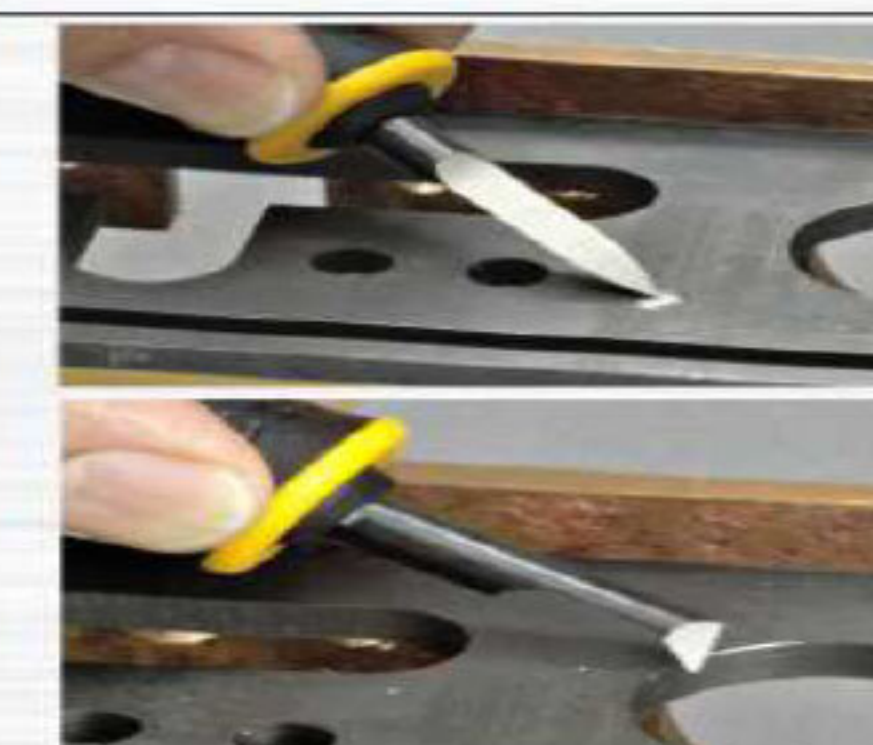


### Scraper SCR-6 (2) - SD (74064)



SCR- 6 (2) Combo Scraper

- ✓ Double ended tool.
- ✓ Held & replaceable in collet type T-SD Handle.
- ✓ 6 mm A/F Triangular Scraper on one side.
- ✓ Internal Scraper on the another side.



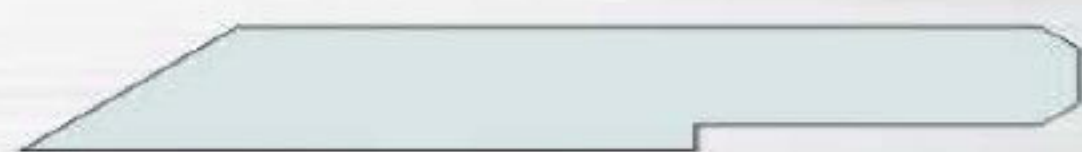


## Ceramic Deburring Tools

### Features & Applications

- ✓ Deflashing & scraping of plastic components.
- ✓ Very long life of Ceramic Blade - Cutting edge all along.
- ✓ Blade can be ground to suit the application.
- ✓ Blade is replaceable in the handle.

#### Ceramic Blade C-1 (77101)



#### Ceramic Scraper SCR-3 (77201)



3 mm Triangular Scraper

#### CT Ceramic Tool (77104)



Includes Handles T-SD & Ceramic Blade C-1

#### CS Ceramic Tool (77204)



Includes SCR-3 Ceramic Scraper & SD-1 Handle

## Countersink Tools



### 2 Flute Countersinks

For hole deburring & Chamfering.  
3 sizes upto 30 mm for use by hand.  
12 mm shank size for all tools.

Type	For size upto
CS-12 (48120)	12 mm
CS-20 (48200)	20 mm
CS-30 (48300)	30 mm

**Handles** Common handle for all 3 tools. Type CSH, CS-Revolving.



CSH Handle (46014)



CS- Revolving Handle (48024)

### Countersink Set - Revolving (48034)



Includes CS-12, CS-20 and CS-30 Countersinks with  
CS-Revolving Handle  
**Offered only in certain Countries.**



### 3 Flute, Long Shank Countersinks

Upto size 40mm for use with m/cs.  
For hole/ slot/ corner  
deburring/ chamfering.

Type	For size upto
CS-12-3FLS (48130)	12 mm
CS-20-3FLS (48230)	20 mm
CS-30-3FLS (48330)	30 mm
CS-40-3FLS (48430)	40 mm



## Deburring Tools Sets & Kits

### Deburring Tools set for Plastic Deflashing

#### DT-PP SET (86209)

For deflashing & scraping of a Plastic components.  
Includes DT-2 handle with C-15 blade & SCR-3



DT-2 handle with C-15 Blade



SCR-3

### Deburring Tool for Stainless Steel

#### DT-SS SET (86309)

Includes T-SD handle, R-15 (S) blades, C-15 blade & SD-C holder



SD-C Holder with C-15 Blade



**DTK-5 Comprehensive Kit**  
(86809)

**Includes -**  
T-SD (2 No) &  
DT Handles, DT (P), VT &  
KW Holders,  
Scraper SCR-8,  
Countersink tool  
CS-20 and CS Holder,  
Deburring Blades P-1,  
P-2 (2 each),  
C-10 (5 pcs), C-20, C-30,  
C-10 (Coated), C-15  
& C-101 (1 each),  
Key-way/ Slot  
Deburring Blades  
KW-9 & KW-16,  
Shet/ Rib Deburring Blade V-4



**Promo- 1 Set (84029)**  
Contains :  
D-SD Handle &  
10 Nos. Deburring Blades-  
2 Nos. each of  
C-10, C-20, C-101  
1 No. each of  
C-30, C-15, C-35,  
and C-10(C)



**Universal Kit**  
(86909)

**Includes :**  
5 Handles – D-SD, T-SD, R-SD,  
SD-1 & Ratchet Handle CSH-R(S)  
21 Nos. 3.2 mm swivel blades –  
5 pcs. each of C-10 & C-20  
2 pcs. each of C-30, C-101, C-10©,  
C-20©, C-15 & 1 pc. of C-60 blade  
5 Nos. 6 mm blades – 2 pcs. of  
R-10(S) & 3 pcs. of R-15(S)  
2 Nos. Scraper – SCR-3(75 mm)  
& SCR-6(2) Combo, Sheet/ Rib  
Deburring tool V-2 & V-4 with  
telescopic holder VT  
Key-Way / Rib deburrer KW-16  
with telescopic holder KW  
DT© telescopic holder  
for all 'C' blades.  
CS-20 Countersink tool &  
C-1 Ceramic Blade.













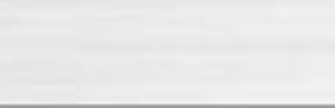




**Promo- 2 Set (84039)**  
Contains :  
D Handle &  
10 Nos. Deburring Blades-  
5 Nos. each of  
C-10 & C-20



## Deburring Blades

Unless specified the Blades are made of HSS-M2 Grade material.

BLADES TYPE	APPLICATIONS	PACK QUANTITY	BLADES TYPE	APPLICATIONS	PACK QUANTITY
<b>P-1</b> (11010)	 Universal Blade. For light duty & small components deburring of Steel, Al., Copper, Zinc, Plastics, etc.	10	<b>C-15</b> (12151)	 For stainless steel & hard plastic.	10
<b>P-2</b> (11020)	 For small components of C.I. & Brass	10	<b>C-101</b> (12110)	 For small holes from 1.5 mm in Steel & Aluminium.	10
<b>P-3</b> (11030)	 For both sides of sheet metal holes upto 6 mm thickness.	10	<b>Coated Blades</b>	Titanium Nitride (TiN) coating on C-10, C-20 & C-30 Blades for hard metal & longer life application.	10
<b>P-6</b> (11060)	 For backside deburring upto 20 mm thickness.	5	<b>C-60</b> (12600)	 For backside deburring upto 20 mm thickness.	5
<b>Coated Blades</b>	Titanium Nitride (TiN) coating on P-1, P-2 Blades for hard metal & longer life application.	10	<b>C-OR</b> (12610)	 For internal O-Ring grooves upto 3 mm	1
<b>C-10</b> (12100)	 Universal Blade. For materials having spiral chips such as Steel, Al., Copper, Zinc, Plastics, etc.	10	<b>C-10 Carbide</b> (12103)	Carbide Blade for Hardened Components	2
<b>C-20</b> (12200)	 For materials having brittle burr such as C.I. & Brass.	10	<b>R-10(S)</b> (13100)	 Universal Blade for Extra Heavy duty deburring application. For materials having spiral Chips such as Steel, Al., Copper, Zinc, etc.	5
<b>C-30</b> (12300)	 For simultaneous deburring of inner & outer edges of sheet metal holes up to 10 mm thickness.	10	<b>R-10(S) L+R</b> (13200)	 Universal Blade for Extra Heavy Duty Deburring. Both direction Application.	5
<b>C-35</b> (12350)	 For straight edges on most materials.	10	<b>R-15(S)</b> (13151)	 For Stainless steel application	5

## HSS M35 grade Blades

C-100 = C-10 Blade in HSS M35 Grade

C-150 = C-15 Blade in HSS M35 Grade

## Key-way / Slot Deburring Blades

(Four cutting edges. 2 for std. depth of slot/key-way &amp; 2 for shallow depth.)

KW-9 (27090)



For width 0-9 mm

KW-16 (27160)



For width 0-16 mm

## Sheet / Rib Deburring Blades

**S-12**  
(26120)

Cutting edge along full circle and on 2 sides for long life.

**V-2**  
(23020)

Double ended for both edges deburring up to 4 mm from one side and single edge from another side.

**V-4**  
(26040)

4 nos 'V' shaped edges - 2 nos for 1 to 12 mm width &amp; 2 nos for 0 to 4 mm width range

## Scraper Blades

**SCR-3(75)**  
(72750)

Triangular 3 mm A/F Scraper - 75 mm length

**SCR-6(2) Combo**  
(74060)

Double ended 6 mm Triangular Scraper on one side &amp; Internal Scraper on another side.

**SCR-345**  
(72450)

Triangular 3 mm Internal Scraper 75 mm length

**SCR-8** (75080)

Triangular 8 mm A/F Scraper

## Handles

**D**  
(53013)

ABS Plastic handle. Holds all 'C' Blades.

**D-SD**  
(54014)

Polyacetal Handle. Holds all 'C' Blades.

**T-SD**  
(54024)

Holds all telescopic holders.

**R-SD**  
(54034)

Holds all 'R' Blades &amp; SD-C &amp; SD-P Holders

**SD-1**  
(54044)

Holds SCR-3 Scraper blades

## Holders

**DT(C)**  
(62010)

Holds all 'C' Blades.

**DT(P)**  
(62020)

Holds all 'P' Blades.

**KW**  
(62030)

Holds key-way / slot Deburring Blades.

**VT**  
(62040)

Holds V-4' Blade.

**SD-C**  
(64015)

Holder for 'C' Blade.

**SD-P**  
(64025)

Holder for 'P' Blade.

**CS- Short**  
(62050)**CS- R**  
(62090) - Revolving**CS- Long**  
(62060)

Holds all 2 - Flute Countersinks



For best results, we offer Deburring Tools with unique Blade & Handle design concepts



## MICRO Tools - Fix Blade

**MT-1** (38014) with C-101

**MT Scraper** (38024) with SCR-3

## ECONO Tools - Interchangeable Blade

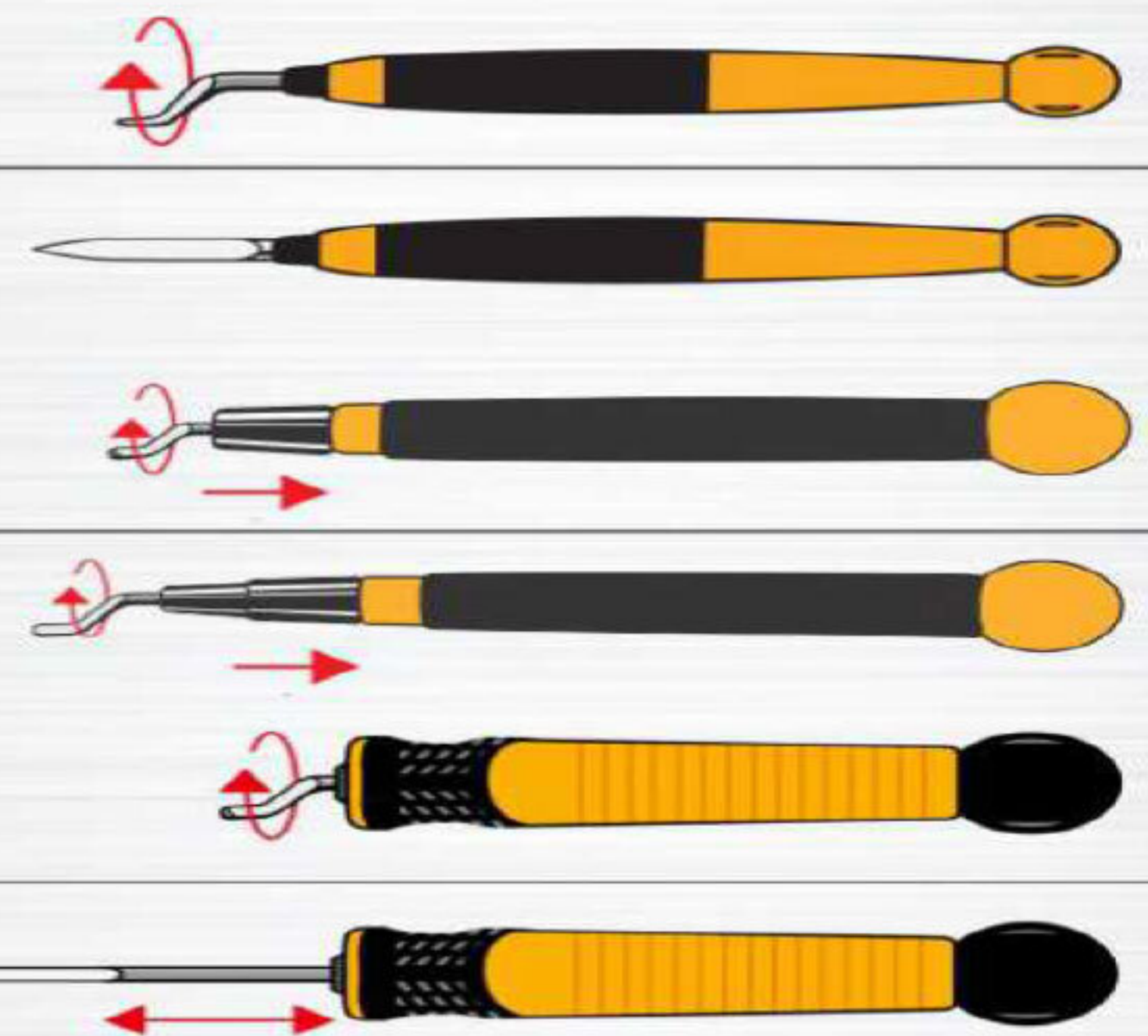
**ET-1** (38030) with P-1

**ET-2** (38040) with C-10

## COMFORT GRIP 1 Tools

**CG-1** (38114) with P-1

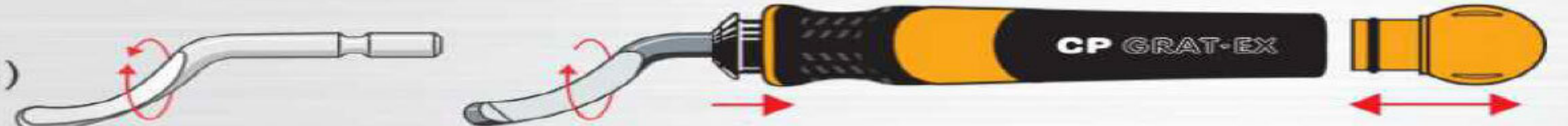
**CG Scraper** (38134) with SCR-3 (75)



## COMFORT GRIP 2 Tools

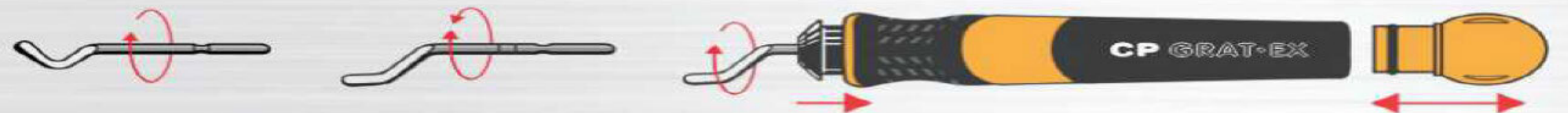
**RDT- MK** (38244)

R-SD-MK Handle with Rugged blades R-10(S), R-15(S)  
Ø 6 mm Deburring blades.



**DT- MK** (38334)

D-SD-MK Handle with C-10, C-20, C-30  
Ø 3.2 mm Deburring blades.



**DT- 5C- MK** (38324)

T-SD-MK Handle with C-10, C-20, C-30, C-15 & C-35 - Ø 3.2 mm  
Deburring blades & DT(C) telescopic holder



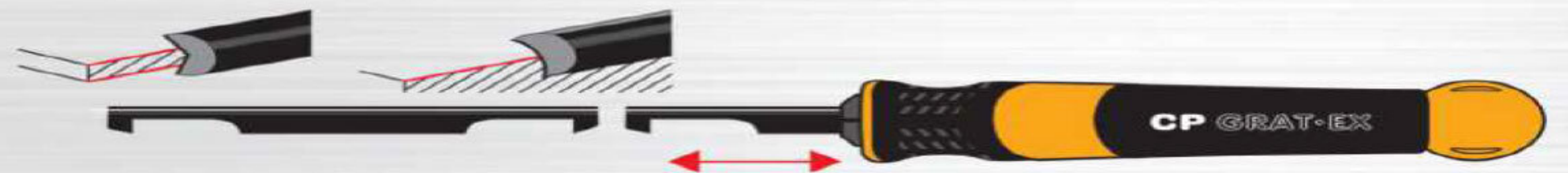
**DT- 3P-MK** (38214)

T-SD-MK Handle with P-1, P-2, P-3  
Ø 2.6 mm Deburring blades & DT(P) telescopic holder



**V-2-MK** (38254)

T-SD-MK Handle with Double ended V-2 blade  
for both edge upto 4 mm width and single edge  
Ø 6.5 mm Deburring blade.



**VDT-MK** (38264)

T-SD-MK Handle with V-4 Sheet/ Rib Deburring  
blade (2x1-12 / 2x-4mm) and VT telescopic holder





**KWS-MK** (38274)

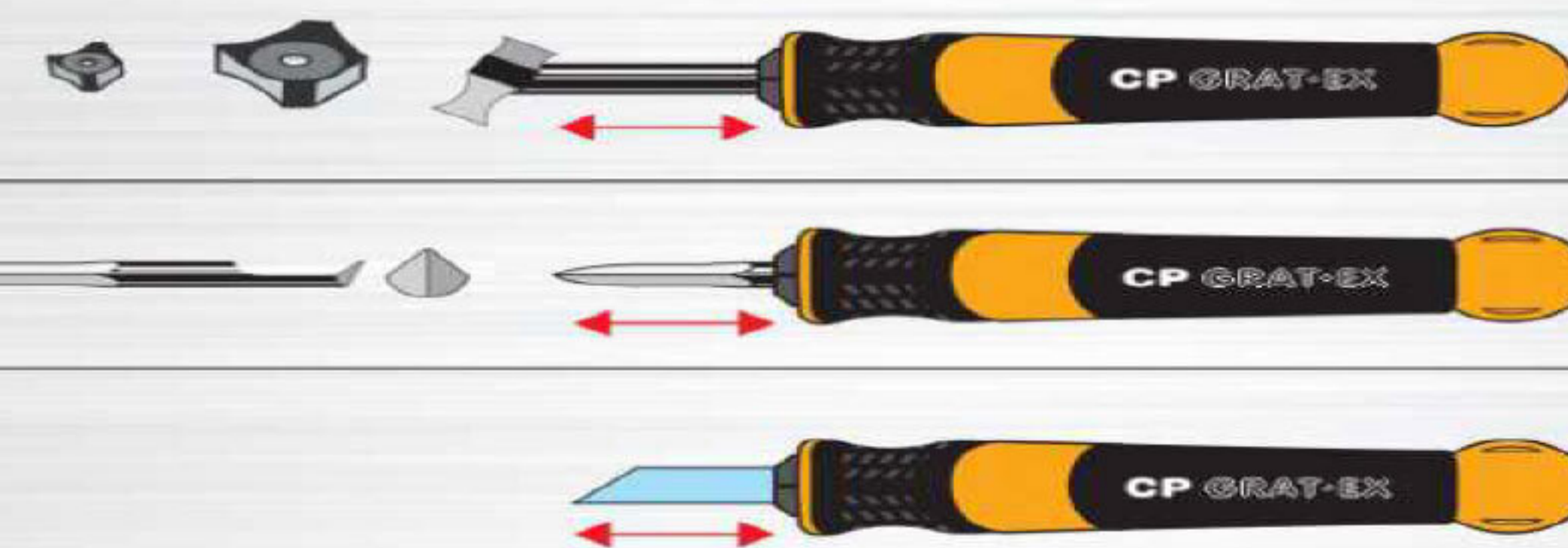
T-SD-MK Handle with KW-9 (1-9mm), KW-16 (1-16mm) blades and KW telescopic holder

**SCR-6(2)-MK** (38284)

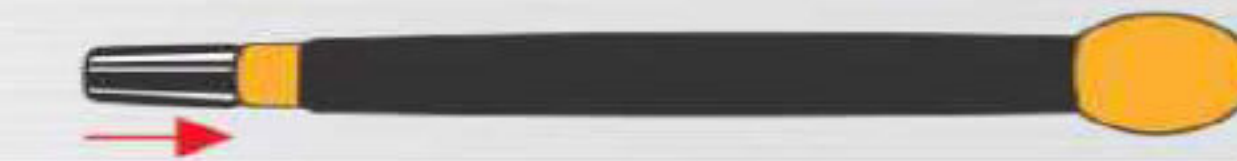
T-SD-MK Handle with SCR-6(2) Combo Scraper  
Double ended - Triangular & Internal Ø 6.5 mm blade.

**CT-MK Ceramic** (38294)

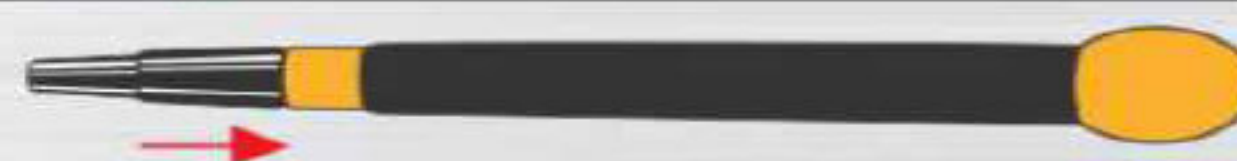
T-SD-MK Handle with C-1 Ceramic blade. The safe general purpose tool for equal results in plastics, metal and hardened materials.

**Handles****ET-1 Handle** (58014)

Holds all P blades

**ET-2 Handle** (58024)

Holds all C blades

**CG-1 Handle** (58034)

Holds all P blades

**CG Handle** (58054)

Holds 3.2 mm Ø Scraper

**T-SD-MK Handle** (58064)

Holds all Telescopic holders

**D-SD-MK Handle** (58074)

Holds all C blades

**R-SD-MK Handle** (58084)

Holds all R blades

**Telescopic Holders****DT (C)** (62010)

Holds all 'C' Blades

**DT (P)** (62020)

Holds all 'P' Blades

**VT** (62040)

Holds 'V-4' Blade

**KW** (62030)

Holds key-way / slot Deburring Blades

**Special MK Handle based Sets / Kits****Promo- 1 Set** (88039)

Contains :  
D-SD-MK Handle &  
10 Nos. Deburring Blades-  
2 Nos. each of  
C-10, C-20, C-101  
1 No. each of  
C-30, C-15, C-35,  
and C-10(C)

**Packaging****Smart Kit** (88909)

SMART KIT Includes : 1 Pc. Each of MT-1, MT Scraper, ET-2, RDT-MK, DT-MK, V-2-MK, SCR-6(2)-MK, CT-MK, F-MK, 10 pcs. Pack of 3.2 mm Blades containing 2 pcs. each of C-10, C-20, C-101 & 1 pc. each of C-15, C-35, C-30 & C-10 (C) and 5 pcs. Pack of 6 mm Blades containing 2 pcs. of R-10(S) & 3 pcs. of R-15(S).



Collet action ensures firm locking of plain surface holders.



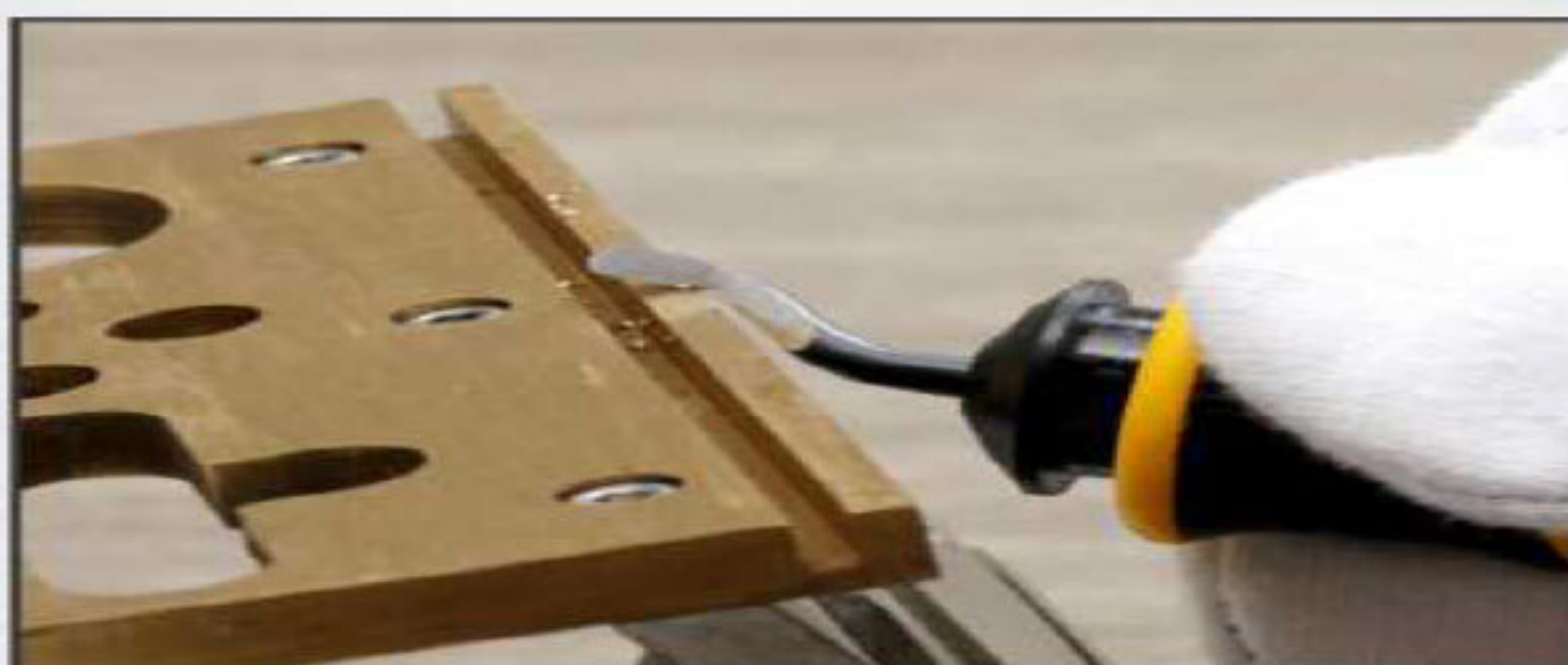
## Break-through Design in the history of Deburring



### Existing Deburring Blades



### New Multi-Cutting Edge Deburring Blades



**Try and Experience the difference**



Superior Deburring Experience



## Features

- Multi-Cutting Edge Design
- Multiple segments of cutting edges separated with guides
- 2 segments in Ø2.6 mm and upto 5 segments in Ø6 mm blade
- Optimum use of entire cutting edge length
- Fit in all Handles & Holders in the market
- Advanced Design – Precision Engineered
- Longer Life, Greater Value

## ECONO Tools - Interchangeable Blade

**MC-1** (38033) ET-1 Handle with MP-1 Deburring Blade

**MC-2** (38043) ET-2 Handle with MC-10 Deburring Blade

## COMFORT GRIP 1 Tools

**MC-3** (38113) CG-1 Handle with MP-1 Deburring Blade

**MC-4** (38123) CG-2 Handle with MC-10 Deburring Blade



## COMFORT GRIP 2 Tools

### RDT-MC (38243)

R-SD-MK Handle with Rugged blades  
MR-10, MR-15  
Ø 6 mm Deburring blades.



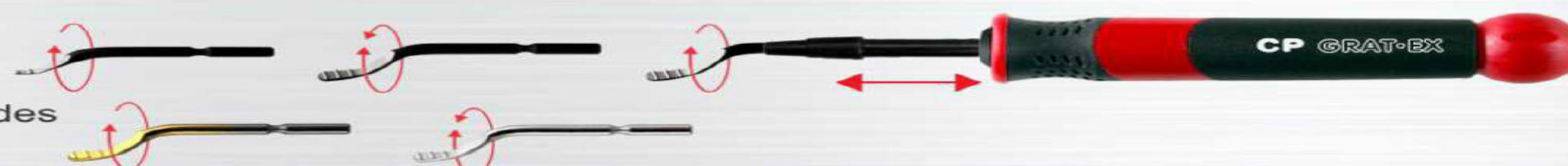
### DT-MC (38333)

D-SD-MK Handle with  
MC-10, MC-20, MC-101  
Ø 3.2 mm Deburring blades.



### DT-5-MC (38323)

T-SD-MK Handle with  
MC-10, MC-20, MC-101, MC-15  
& MC-10(C) - Ø 3.2 mm Deburring blades  
& DT(C) telescopic holder



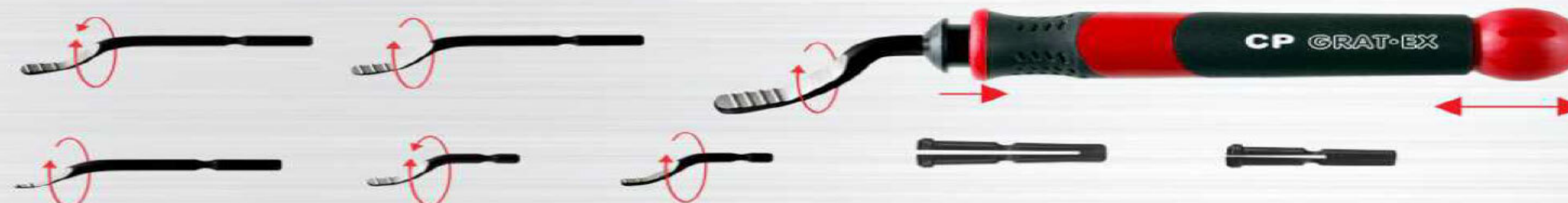
### DT-2P-MC (38213)

T-SD-MK Handle with MP-1, MP-2  
Ø 2.6 mm Deburring blades & DT(P) telescopic holder



### DT-SD-MC (3-in-1) Set (38513)

R-SD-MK Handle with  
SD-C & SD-P Holders and  
6 blades - MR-10, MC-10,  
MC-20, MC-101,  
MP-1 & MP-2



### HS-80 Scraper (78080)

4.2 mm Triangular Hollow Scraper. Double ended.  
Length 80 mm. Blade Material : CR115.

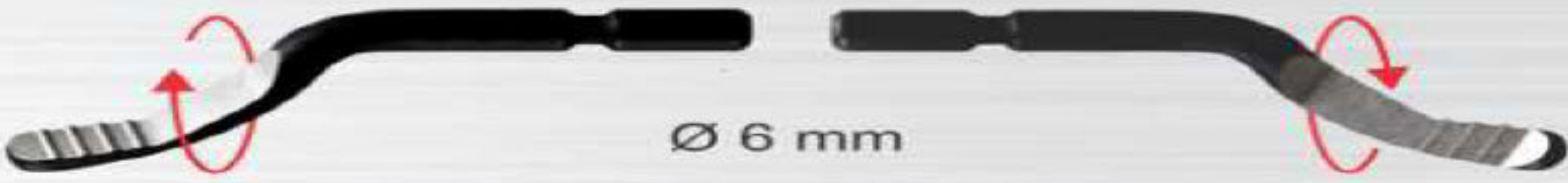


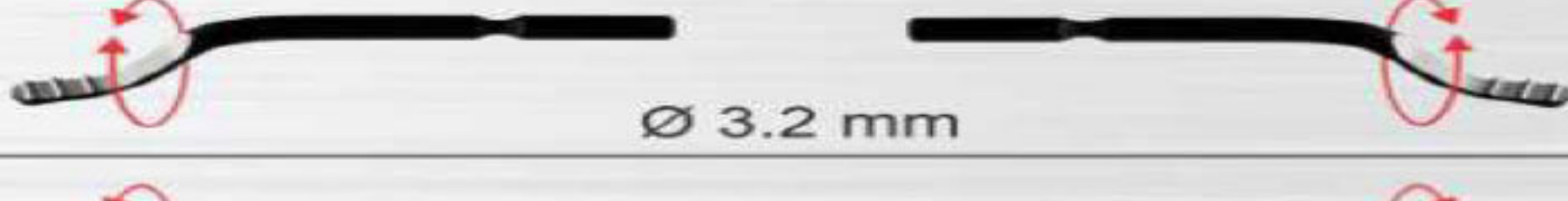
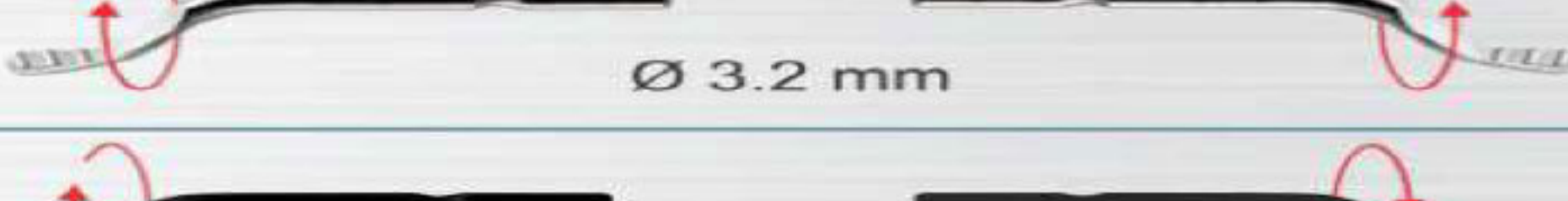
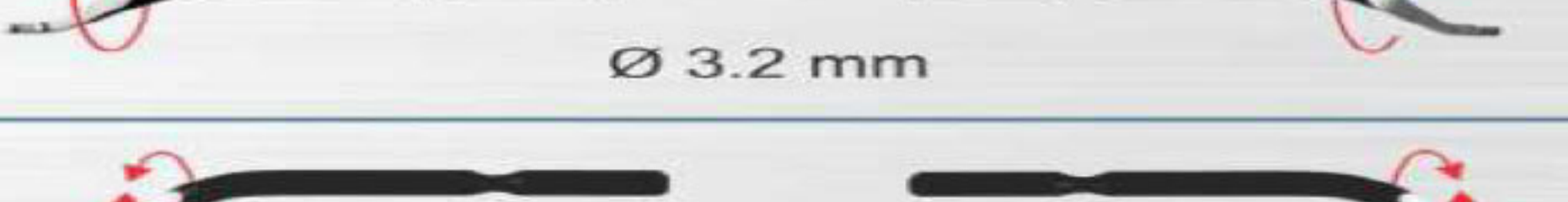
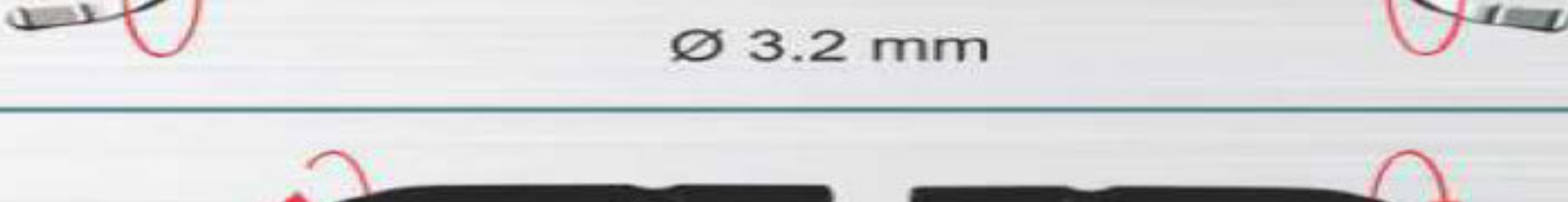
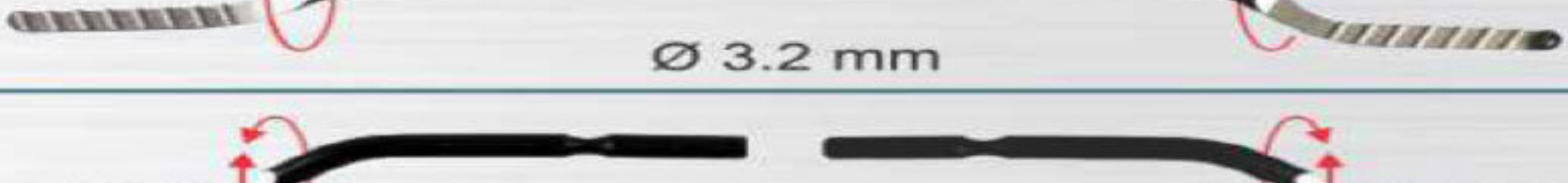
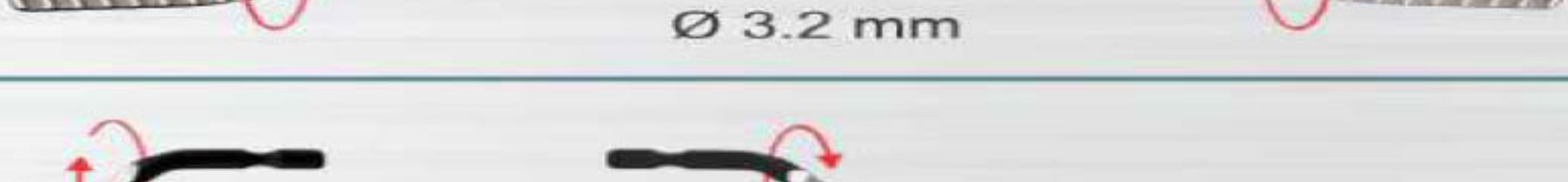
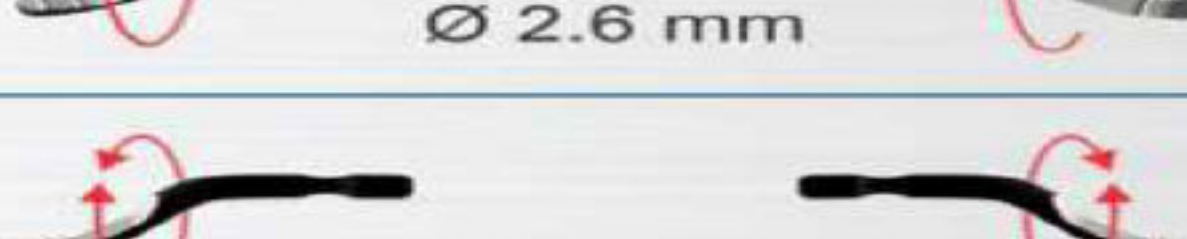
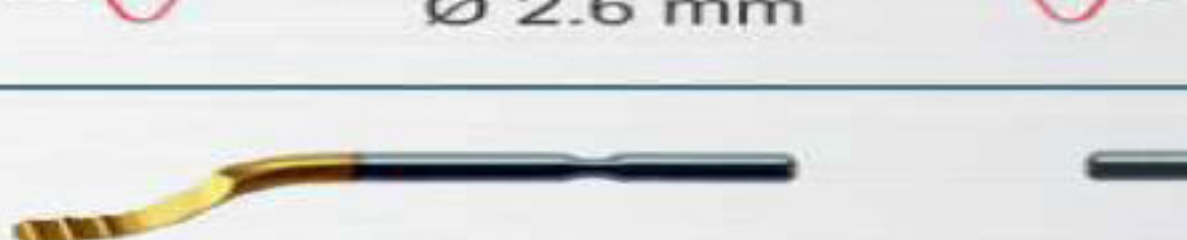



### HS-120 Scraper (78120)

7.4 mm Triangular Hollow Scraper. Double ended.  
Length 120 mm. Blade Material : CR115.





BLADES TYPE	BOTH SIDE VIEW	NO. OF CUTTING EDGE SEGMENTS	APPLICATION	PACK QUANTITY
<b>MR-10</b> (23100)	 Ø 6 mm	4	Universal Blade for Extra Heavy duty deburring application. For materials having spiral Chips such as Steel, Al, Copper, Zinc etc.	5
<b>MR-15</b> (23151)	 Ø 6 mm	5	For Stainless steel application	5
<b>MC-10</b> (22100)	 Ø 3.2 mm	3	Universal Blade for materials having spiral Chips such as Steel, Al, Copper, Zinc, Plastics etc.	10
<b>MC-20</b> (22200)	 Ø 3.2 mm	3	For materials having brittle burr such as C.I. & Brass	10
<b>MC-15</b> (22151)	 Ø 3.2 mm	3	For Stainless steel & hard plastic.	10
<b>MC-101</b> (22110)	 Ø 3.2 mm	2	For small holes from 1.5 mm in Steel & Aluminium.	10
<b>MC-40</b> (22400)	 Ø 3.2 mm	2	Special Blade for Hole Deburring of all Metals.	10
<b>MC-70</b> (22700)	 Ø 3.2 mm	8	Long lasting Blade with 8 cutting edges for straight edge deburring of Steel, Al, Cu, Zinc etc.	10
<b>MC-80</b> (22800)	 Ø 3.2 mm	8	Long lasting Blade with 8 cutting edges for straight edge deburring of C.I., Brass etc.	10
<b>MP-1</b> (21010)	 Ø 2.6 mm	2	Universal Blade. For light duty & small components deburring of Steel, Al, Copper, Zinc, Plastics etc.	10
<b>MP-2</b> (21020)	 Ø 2.6 mm	2	For small components of C.I. & Brass	10
<b>Coated Blades</b>	 Ø 2.6, 3.2 & 6 mm	2 to 5	Titanium Nitride (TiN) coating of all above blades for hard metal & longer life application	5/10

Unless specified the Blades are made of HSS-M2 Grade material.

## Hollow Scraper Blade

### Hollow Scraper 80 (76080)

Double ended triangular Hollow scraper of 4.2 mm.



### Hollow Scraper 120 (76120)

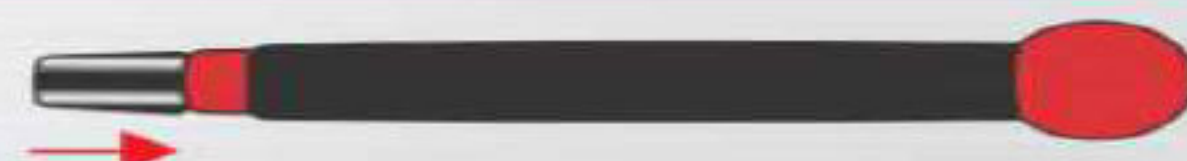
Double ended triangular Hollow scraper of 7.4 mm.



## Handles

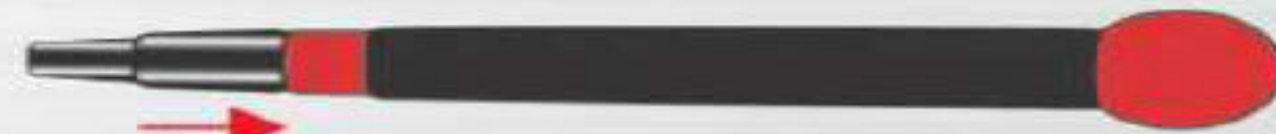
### ET-1 Handle

(58013) Holds all 'MP' blades



### ET-2 Handle

(58023) Holds all 'MC' blades



### CG-1 Handle

(58033) Holds all 'MP' blades



### CG-2 Handle

(58043) Holds all 'MC' blades



### Handle For HS-80 Scraper (58053)



### D- SD- MK Handle

(58073)  
Holds all 'MC' blades



### T- SD- MK Handle

(58063)  
Holds all Telescopic holders



### R- SD- MK Handle

(58083)  
Holds all 'MR' blades



### Handle For HS-120 Scraper (58093)







### Promo Set (88040)

Contains :  
Promotion Set of Multi-Cutting Blades  
with Multi Component Handle &  
10 blades of 3.2 mm Ø Set Includes :  
D-SD-MK Handle with 10 Nos.  
Deburring Blades -2 Nos. each of  
MC-10, MC-20, MC-15, MC-101 & MC-40.



### Hollow Scraper 80

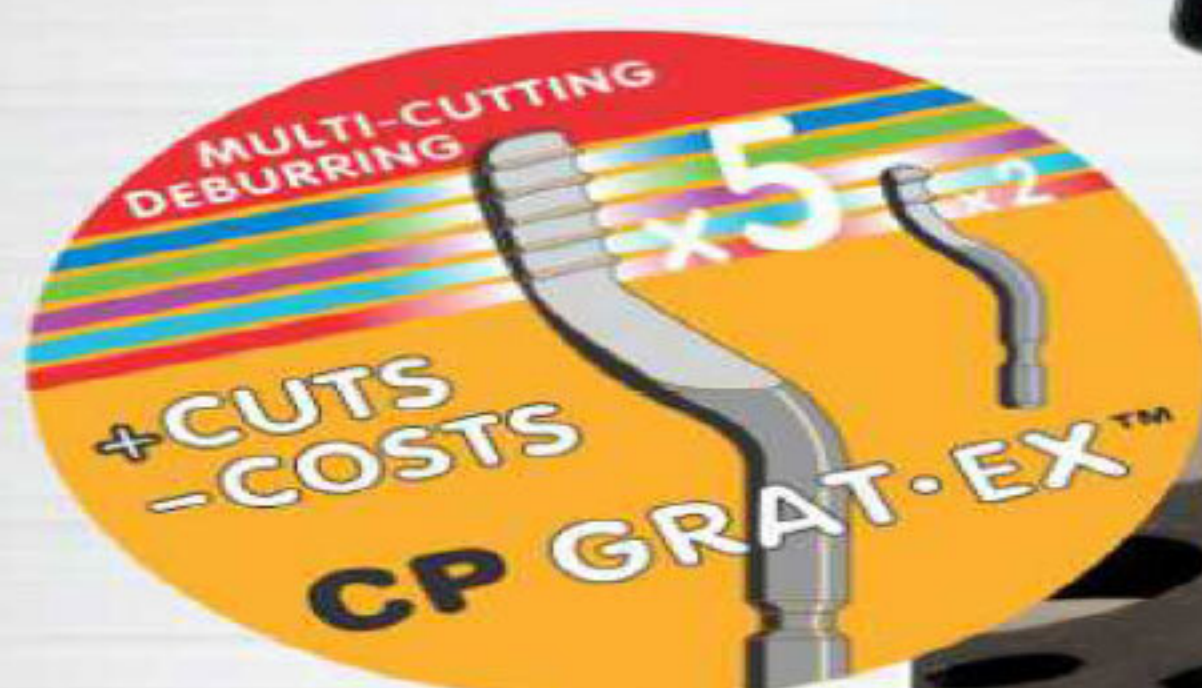
#### Promo Set (88050)

Contains :  
Handle & 3 pcs. of HS-80 Double ended  
triangular Hollow scraper of 4.2 mm.



### MULTI CUT KIT (88080)

Contains :  
1 Pc. Each of Multi-Cutting Tools  
MC-2, RDT-MC, DT-MC, Hollow Scraper 80,  
10 pcs. Pack of 3.2 mm Blades containing  
2 pcs. each of MC-10, MC-20, MC-101 &  
1 pc. each of MC-15, MC-40, MC-10(C) &  
MC-20 © and 5 pcs. Pack of 6 mm Blades  
containing 3 pcs. of MR-10 & 2 pcs. of MR-15.



MR-10 on St. Edge of  
Steel from Cutting Edge 3



MR-15 on St. Edge of SS  
from Cutting Edge 5



MC-101 on Small Hole of Steel  
from Cutting Edge 2



MC-20 on Brass Hole from Cutting Edge 2



MC-10 on St. Edge of  
Cu. from Cutting Edge 2



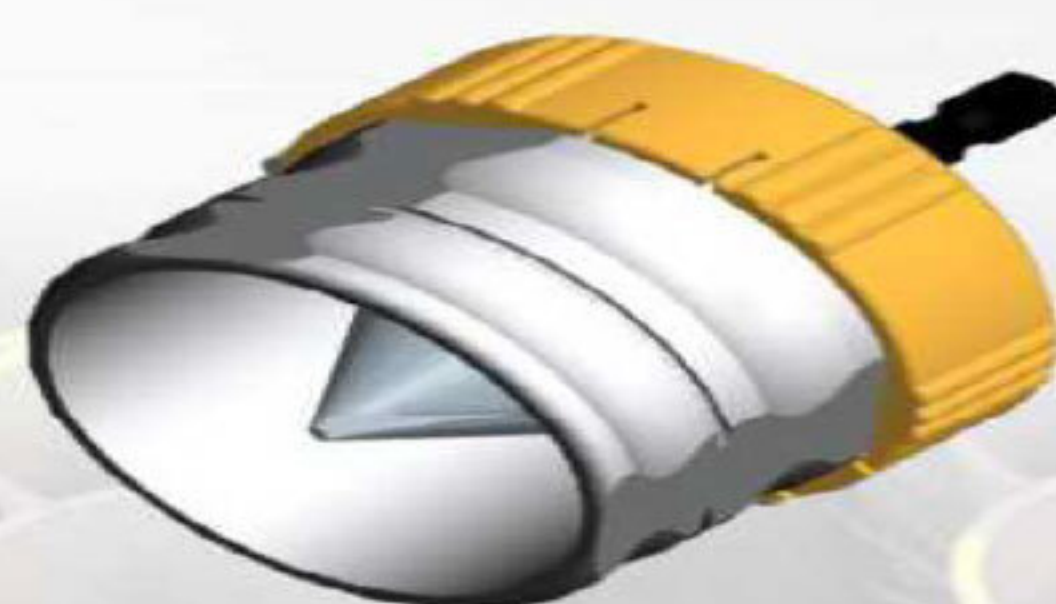
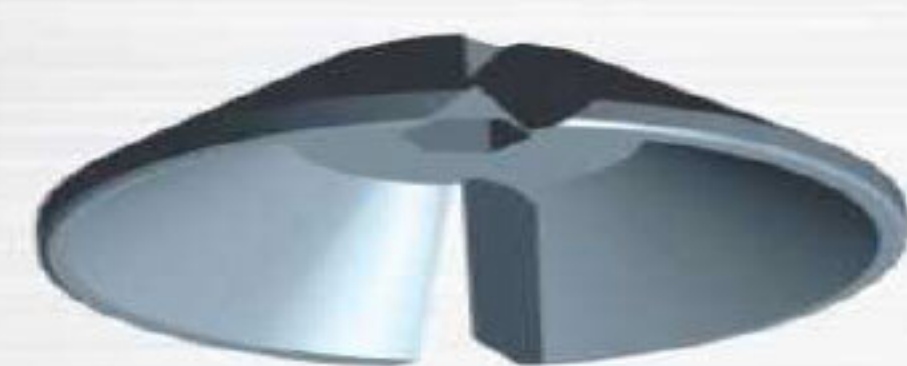
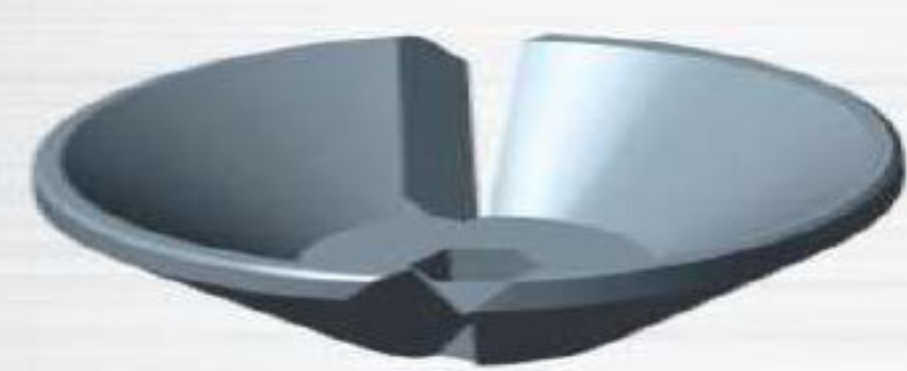
MC-101 on St. Cutting Edge  
of Acrylic from Cutting Edge 2



Patented

# Deburring Tool Head for Inside (ID) & Outside (OD) Diameter

- Rigid, one piece construction - made from HSS (M2) grade material
- Quick reversal of tool for deburring of ID & OD
- Two Flute tools in 3 sizes with 60° & 90° included angle cover range from :  
5/8" to 2 <sup>7</sup>/<sub>16</sub>" (16 to 62 mm) of ID / Holes  
and 5/8" to 2 <sup>9</sup>/<sub>32</sub>" (16 to 58 mm) of OD
- Single Flute tool with 60° & 90° included angle cover range from :  
5/32" to 1 <sup>13</sup>/<sub>16</sub>" (4 to 46 mm) of ID / Holes  
and 5/32" to 1 <sup>21</sup>/<sub>32</sub>" (4 to 42 mm) of OD
- The tools can be used :
  - Manually with hand held holder / handle OR
  - Manually with power driven tool OR
  - With Machine tool





## Deburring Tool Head for Inside (ID) & Outside (OD) Diameter

Product Name	Product Code	No. of Flutes	Included Angle	Deburring Range for Outside Diameter	Deburring Range for Inside Diameter / Holes	Picture
IDOD 16316	16316-2F	Two	60°	16 to 31 mm (5/8" to 1 1/4")	16 to 35 mm (5/8" to 1 3/8")	 + 
IDOD 16319	16319-2F	Two	90°	16 to 31 mm (5/8" to 1 1/4")	16 to 35 mm (5/8" to 1 3/8")	 + 
IDOD 22426	22426-2F	Two	60°	22 to 42 mm (7/8" to 1 21/32")	22 to 46 mm (7/8" to 1 13/16")	 + 
IDOD 22429	22429-2F	Two	90°	22 to 42 mm (7/8" to 1 21/32")	22 to 46 mm (7/8" to 1 13/16")	 + 
IDOD 40586	40586-2F	Two	60°	40 to 58 mm (1 9/16" to 2 9/32")	40 to 62 mm (1 9/16" to 2 7/16")	 + 
IDOD 40589	40589-2F	Two	90°	40 to 58 mm (1 9/16" to 2 9/32")	40 to 62 mm (1 9/16" to 2 7/16")	 + 
IDOD 34260	34260-1F	One	60°	4 to 42 mm (5/32" to 1 21/32")	4 to 42 mm (5/32" to 1 21/32")	 
IDOD 34290	34290-1F	One	90°	4 to 42 mm (5/32" to 1 21/32")	4 to 42 mm (5/32" to 1 21/32")	
IDOD 34265	34265	34260-1F Tool with Holder Assembly for use with driver				 
IDOD 34295	34295	34290-1F Tool with Holder Assembly for use with driver				 
Ratchet Handle 46030	46030	Ratchet Handle with Auto lock 1/4" Hex bit holder				
Non-Slip Holder	60010	Non-Slip Holder with 1/4" Hex bit for use with Machines				
1/4" Hex Bit Holder	60020	1/4" Hex Bit Holder for use with 2 Flute IDOD Tools.				
Auto-Lock for 1/4" Hex Bits	60040	Auto-Lock for 1/4" Hex Bits				

All above tools are also available with FUTURA (TiAlN) coating for long life & Steel application.





### IDOD 60 Kit

(16586)

includes :

1 pc. Each of IDOD 16316, 22426, 40586,  
Ratchet Handle, Non-Slip Holder,  
Auto Lock for 1/4" Hex Bits &  
3 pcs. of 1/4" Hex Bit Holders



### IDOD 90 Kit

(16589)

includes :

1 pc. Each of IDOD 16319, 22429, 40589,  
Ratchet Handle, Non-Slip Holder,  
Auto Lock for 1/4" Hex Bits &  
3 pcs. of 1/4" Hex Bit Holders





# CP GRAT-EX Deburring Tools - Applications



Heavy Duty



Extra-Heavy Duty



Holes / Countersink



Ceramic Tool



Scraper



Internal Scraper



Key-way / Slot



Single or Double edge



Sheet / Rib



MR-10 on St. Edge of Steel from Cutting Edge 3



MC-101 on Small Hole of Steel from Cutting Edge 2



MC-20 on Brass Hole from Cutting Edge 2



MC-10 on St. Edge of Cu. from Cutting Edge 2



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Account No. : 0311161803 | Account Name : CHAND COMPANY

IFSC CODE : KKBK0000213 | UPI ID: Chand4772@kotak