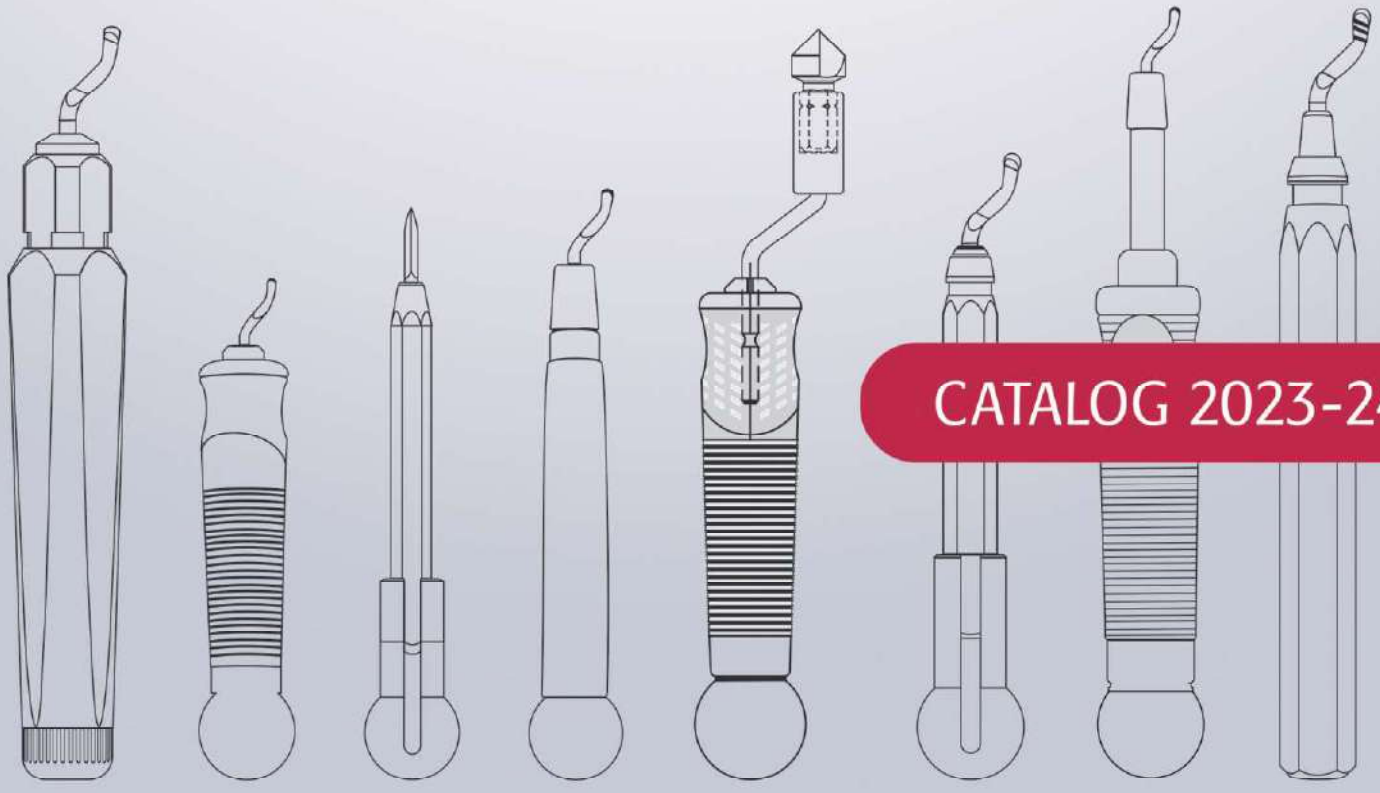
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CUTTING EDGE

NEW SMART DEBURRING TOOLS

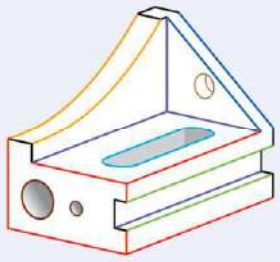


CATALOG 2023-24

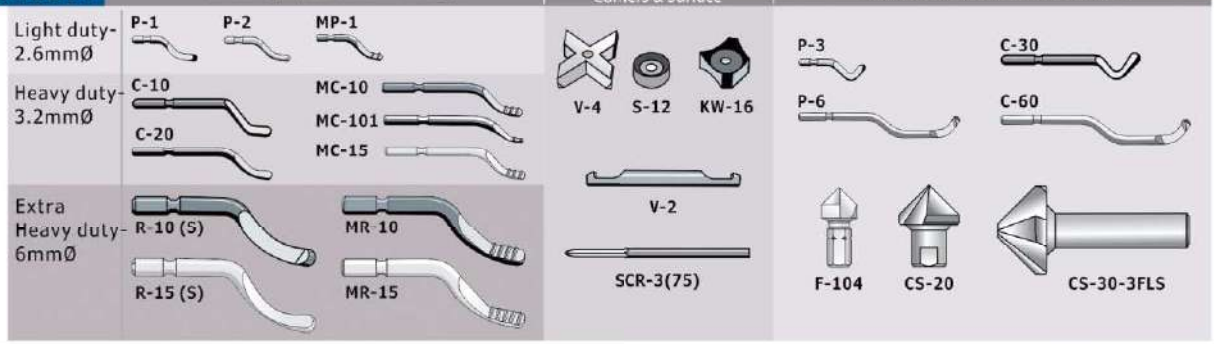
DEBURRING INFO

- Burrs are the unwanted portion of metal which remain at the edges of the components after machining
- Hand Deburring Tools offer Fast, Efficient & Economical solutions for removal of burrs. We offer wide variety of hand tools for Deburring of
- Tools / Blades of different shapes & Cutting Angles are suitable for different component materials such as Steel, Aluminium, Copper, Zinc, Brass, Cast iron, Stainless Steel, Alloy Steels, Variety of Plastics & 3D printed parts.

Straight Edge
Curved edge
Inner Edge
Slot / Key-way - Both edges
Sheet / Rib - Both edges
Holes
Front & Back side of Hole
Corners etc.



TOOLS VARIETY



SELECTION GUIDANCE

Blades / Tools to Deburr on:

- Materials with Spiral Chips such as Steel, Aluminium, Copper, Zinc, Acrylic, Plastic & 3D printed parts
- Materials with Brittle burr such as Cast Iron, Brass, Soft Plastics & 3D printed parts
- Holes, Slots, Ribs, Sheets - one or 2 edges, Corners, Surfaces etc.

Blades Type	To Deburr / Use	Direction of use
P-1, MP-1, C-10, MC-10, MC-70, R-10(S), MR-10	Material with Spiral Chips	↷
P-2, MP-2, C-20, MC-20, MC-40, MC-80	Material with Brittle Burr	↶↷
C-15, MC-15, R-15(S), MR-15	Stainless Steel	↶↷
C-101, MC-101	Small hole & Fine edges	↶↷
P-3, P-6, C-30, C-60	Both side or back side of Sheet Metal Hole	↶↷
C-100, C-150 & Coated Blades	Hard Metals & for long life	

Blades Type	To Deburr / Use	Direction of use
S-12, V-2, V-4	Sheet / Rib - single or Both sides	←
KW-9, KW-16	Key-way /Slot - Both sides	←
SCR-3, SCR-8	Surface finishing / Scraping, Corner cleaning	↔
SCR-6(2), HS-80, HS-120	Double ended scraper	↔
SCR-345, SCR-6(2)	Internal scraper	↔
0/1/2/3 Flute Countersinks	For Hole Deburring / Chamferring by Hand & on Machine	↷

Deburring Blades & Countersinks Tools are made of High Speed Steel - M2 or M35 grade material duly Heat treated.

HIGHLIGHTS



Existing Deburring Blades



New Multi-Cutting Edge Deburring Blades



- Multiple Segments of Cutting edges sepearated with guides
- Optimum use of entire cutting edge length
- Advance Design – Precision Engineered
- Longer Life, Greater Value

NEW BLADE PACK

All blades are Laser Marked for easy identification

Step 1 Unlocking



Step 2



PRECAUTIONS

- Handle the Deburring Blades with utmost precaution and care.
- Blade edges and burrs are sharp and can cause injury.
- Wear safety goggles and gloves while Deburring!
- Do not try to bend the handle or blade.
- Do not regrind the blades.
- Keep away from children.

DEBURRING TOOLS WITH HANDLE
All Replaceable Blades type

LIGHT DUTY TOOLS WITH STD. BLADES

ET-1 (38030)



Metallic Handle with Soft Grip & Ball End cap with 2.6 Ø P-1 Blade
L = 117, Handle Dia = 12, End Cap Dia = 18, Wt.= 53gms

CG-1 (38114)

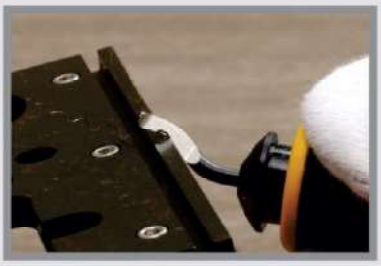


Poly Acetal Body Handle with Soft Grip & Ball End Cap with
2.6 Ø P-1 Blade. Spring Loaded Collet Action for Blade Holding.
L = 114, Handle Dia = 19.8, End Cap Dia = 21.7, Wt.= 37gms

DT-52-SD (34522)



Poly Acetal Body T-SD Handle with Telescopic Holder DT(P) &
Ball End Cap with 2 nos. 2.6 Ø P-1 & P-2 Blades. Collet Action ensures
firm grip of Plain Surface holder which can be telescoped to reach at depth.
L= 148 min, 213 max, Handle Dia =23.7, End Cap Dia = 24, Wt.= 94gms



WITH MULTI-CUTTING EDGE BLADES

MC-1 (38033)



Metallic Handle with Soft Grip & Ball End cap with Multi-Cutting 2.6 Ø
MP-1 Blade L = 117, Handle Dia = 12, End Cap Dia = 18, Wt.= 53gms

MC-3 (38113)



Poly Acetal Body Handle with Soft Grip & Ball End Cap with
Multi-Cutting 2.6 Ø MP-1 Blade
Spring Loaded Collet Action for Blade Holding.
L = 114, Handle Dia = 19.8, End Cap Dia = 21.7, Wt.= 37gms

DT-2P-MC (38215)



Poly Acetal Body T-SD Handle with Telescopic Holder DT(P) &
Ball End Cap with 2 nos. Multi-Cutting 2.6 Ø MP-1 & MP-2 Blades.
Collet Action ensures firm grip of Plain Surface holder which can be
telescoped to reach at depth.
L= 148 min, 213 max, Handle Dia =23.7, End Cap Dia = 24, Wt.= 93gms

HEAVY DUTY TOOLS WITH STD. BLADES

ET-2 (38040)



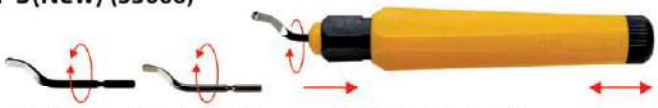
Metalltic Handle with Soft Grip & Ball End cap with 3.2 Ø C-10 Blade
L = 130, Handle Dia = 12, End Cap Dia = 18, Wt.= 58gms

CG-2 (38124)



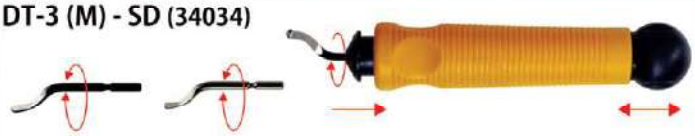
Poly Acetal Body Handle with Soft Grip & Ball End Cap with 3.2 Ø
C-10. Blade Spring Loaded Collet Action for Blade Holding.
L = 122, Handle Dia = 19.8, End Cap Dia = 21.7, Wt.= 38.5gms

DT-3(New) (33066)



Classical Design Poly Acetal Handle with Ball catch lock for
blade holding & Space for Blade Storage.
Includes Handle 'D' with 3 nos. 3.2 Ø Blades - C-10, C-20 & C-15
L = 145, Handle Dia = 23, End Cap Dia = 18, Wt.= 48gms

DT-3 (M) - SD (34034)



Poly Acetal Body D-SD Handle with Ball End Cap and
Metallic Blade holder + Space for Blade Storage.
Includes Handle with 3 nos. 3.2 Ø Blades - C-10, C-20 & C-15
L = 143, Handle Dia = 23.7, End Cap Dia = 24, Wt.= 59gms

DT-5-SD (34054)



Poly Acetal Body T-SD Handle with Telescopic Holder DT(C) &
Ball End Cap with 5 nos. 3.2 Ø Blades - C-10, C-20, C-30, C-15 & C-10(C).
Collet Action ensures firm grip of Plain Surface holder which can be
telescoped to reach at depth.
L= 163 min. 230 max, Handle Dia = 23.7, End Cap Dia = 24, Wt.= 105gms

All Dimensions in mm.

DEBURRING TOOLS WITH HANDLE
All Replaceable Blades type

HEAVY DUTY TOOLS WITH MULTI-CUTTING EDGE BLADES

MC-2 (38043)



Metallic Handle with Soft Grip & Ball End cap with
Multi-Cutting 3.2 Ø MC-10 Blade
L = 131, Handle Dia = 12, End Cap Dia = 18, Wt.= 56gms

MC-4 (38123)



Poly Acetal Body Handle with Soft Grip & Ball End Cap with
Multi-Cutting 3.2 Ø MC-10 Blade. Spring Loaded Collet Action for Blade Holding.
L = 121.5, Handle Dia = 19.8, End Cap Dia = 21.7, Wt.= 38.5 gms

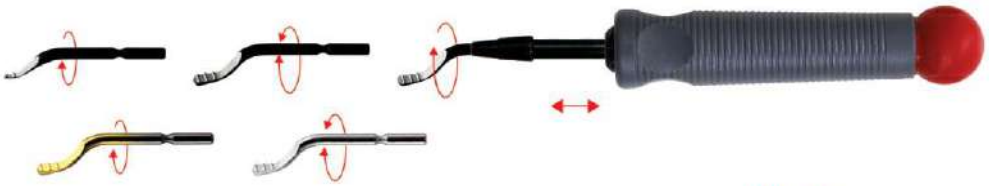
DT-MC (38233)



Poly Acetal Body D-SD Handle with Ball End Cap and Metallic Blade holder + Space for Blade Storage.
Includes Handle with 3 nos. Multi-Cutting Edge 3.2 Ø Blades - MC-10, MC-20 & MC-101
L = 142, Handle Dia = 23.7, End Cap Dia = 24, Wt.= 58.5gms



DT-5-MC (38223)



Poly Acetal Body T-SD Handle with Telescopic Holder DT(C) & Ball End Cap with 5 nos. Multi-Cutting Edge 3.2 Ø
Blades - MC-10, MC-20, MC-101, MC-15 & MC-10(C).
Collet Action ensures firm grip of Plain Surface holder which can be telescoped to reach at depth.
L= 163 min. 230 max, Handle Dia = 23.7, End Cap Dia = 24 , Wt.= 105 gms



EXTRA - HEAVY DUTY TOOLS

RDT - SD (34064)



Poly Acetal Body R-SD Handle with Ball End Cap,
and Strong, Sturdy & Rugged 6 Ø R-10(S) Blade.
L = 158, Handle Dia = 23.7, End Cap Dia = 24, Wt.= 62gms

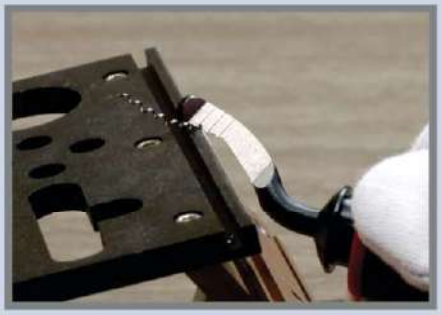


RDT - MC (38343)



Poly Acetal Body R-SD Handle with Ball End Cap,
and Strong, Sturdy & Rugged 2 nos. Multi-Cutting Edge 6 Ø
Blades - MR-10 & MR-15. L = 158, Handle Dia = 23.7, End Cap Dia = 24, Wt.= 74gms

All Dimensions in mm.



DEBURRING TOOLS WITH HANDLE
All Replaceable Blades type

SHEET / RIB DEBURRER

SDT (34084)



Deburrer Set with Poly Acetal Body Handle & Protection Guard to deburr One or Both Edges of Sheets / Ribs of thickness upto 12mm.
The width between the 2 Nos. Round blades mounted on the holder can be adjusted from 0.5 to 12mm.
Long life tool with cutting edges on both sides of round blades.
L = 158, Handle Dia = 23.7, End Cap Dia = 24, Wt.= 182gms

VDT-SD (34094)



'V' Shaped Sheet / Rib Deburrer includes PolyAcetal Body Handle T-SD with Unique Tool having 4 nos. 'V' Cutting edges mounted on Telecopic Holder.
2 Nos. 'V' Shaped edges cover width upto 12mm & 2 Nos. cover width upto 4mm.
L= 163.5 min. 226 max, Handle Dia = 23.7,
End Cap Dia = 24, Wt.= 99.5gms



V-2-SD (34104)



Excellent control to Deburr using this Double Ended Tool mounted in a Poly Acetal Body Handle with Collet Action. The Tool has 'V' Cut on one side to deburr Sheet / Rib upto 4mm width & Round Edge on the other side to deburr Single Edge.
L = 150, Handle Dia = 23.7,
End Cap Dia = 24, Wt.= 69gms



KEY-WAY / SLOT DEBURRER

KWS-SD (34074)



Poly Acetal Body Handle with Telescopic Holder to mount 2 nos. Key-Way Deburring Blades KW-16 & KW-9 from 2 ends of the Holder
The Blades have 4 cutting edges on either side- 2 for Normal depth of Slot / Key-Way & 2 for the shallow depth.
Width covered upto 9mm in KW-9 & 16mm in KW-16.
L= 177 min. 235 max, Handle Dia=23.7,
End Cap Dia=24, Wt.=105gms



All Dimensions in mm.

cp gratex
CUTTING EDGE

DEBURRING BLADES

STANDARD BLADES

All blades are Laser Marked for easy identification

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

BLADES TYPE	BLADE VIEW	APPLICATIONS	PACK QUANTITY
P-1 (11010)	 Ø 2.6 mm	Universal Blade. For light duty & small component deburring of Steel, Al., Copper, Zinc, Plastics, etc.	10
P-2 (11020)	 Ø 2.6 mm	For small components of C.I. & Brass	10
P-3 (11030)	 Ø 2.6 mm	For both sides of sheet metal holes upto 6mm thickness.	10
P-6 (11060)	 Ø 2.6 mm	For backside deburring upto 15mm thickness.	5
Coated Blades	 Ø 2.6 mm	Titanium Nitride (TiN) coating on P-1, P-2 Blades for hard metal & longer life application.	10
C-10 (12100)	 Ø 3.2 mm	Universal Blade. For materials having spiral Chip such as Steel, Al., Copper, Zinc, Plastics, etc.	10
C-20 (12200)	 Ø 3.2 mm	For materials having brittle burr such as C.I. & Brass.	10
C-30 (12300)	 Ø 3.2 mm	For simultaneous deburring of inner & outer edges of sheet metal holes up to 10mm thickness.	10
C-35 (12350)	 Ø 3.2 mm	For straight edges on most materials.	10
C-15 (12151)	 Ø 3.2 mm	For stainless steel & hard plastic.	10
C-101 (12110)	 Ø 3.2 mm	For small holes from 1.5mm in Steel & Aluminium.	10
Coated Blades	 Ø 3.2 mm	Titanium Nitride (TiN) coating on C-10, C-20, & C-30 Blades for hard metal & longer life application.	10
C-60 (12600)	 Ø 3.2 mm	For backside deburring upto 20mm Thickness.	5
C-10 Carbide (12103)	 Ø 3.2 mm	Carbide Blade for Hardened Component	2
R-10(S) (13100)	 Ø 6 mm	Universal Blade for Extra Heavy Duty deburring application. For materials having spiral Chip such as Steel, Al., Copper, Zinc etc.	5
R-15(S) (13151)	 Ø 6 mm	For stainless steel application	5

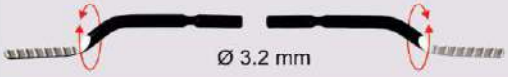
HSS M35 grade Blades C-100 = C-10 Blade in HSS M35 Grade C-150 = C-15 Blade in HSS M35 Grade

cp gratex CUTTING EDGE

DEBURRING BLADES

MULTI-CUTTING BLADES

All blades are Laser Marked for easy identification

BLADES TYPE	BOTH SIDE VIEW	Cutting Edge Segments	APPLICATIONS	PACK QUANTITY
MR-10 (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
MR-15 (23151)	 Ø 6 mm	5	For Stainless steel appliction.	5
MC-10 (22100)	 Ø 3.2 mm	3	Universal Blade for materials having spiral Chips such as Steel, Al., Copper, Zinc, Plastics etc.	10
MC-20 (22200)	 Ø 3.2 mm	3	For materials having brittle burr such as C.I. & Brass	10
MC-15 (22151)	 Ø 3.2 mm	3	For Stainless steel & hard plastic.	10
MC-101 (22110)	 Ø 3.2 mm	2	For Small holes from 1.5mm in Steel & Aluminiun.	10
MC-40 (22400)	 Ø 3.2 mm	2	Special Blades for Hole Deburring of all Metals.	10
MC-70 (22700)	 Ø 3.2 mm	8	Long lasting Blade with 8 cutting edges for straight edge Deburring of Steel, Al, Cu, Zinc etc.	10
MC-80 (22800)	 Ø 3.2 mm	8	Long lasting Blade with 8 cutting edges for straight edge Deburring of C.I., Brass etc.	10
MP-1 (21010)	 Ø 2.6 mm	2	Universal Blade. For light duty & small components deburring of Steel, Al., Copper, Zinc, Plastics, etc.	10
MP-2 (21020)	 Ø 2.6 mm	2	For small components of C.I., Brass.	10
Coated Blades	 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

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 4mm from one side & single edge from another side.

V-4 (26040)



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

KEY-WAY/ SLOT DEBURRING BLADES

Four Cutting Edges. 2 for std. depth of SLOT / KEY-WAY & 2 for SHALLOW DEPTH.

KW-9 (27090)



For width 0-9mm

KW-16(27160)



For width 0-16mm

HANDLES AND HOLDERS

D (New) Handle - Yellow / Black (53016)



Classical Design Poly Acetal Handle - Holds all 'C / MC' Blades
L = 124mm, Handle Dia = 23mm, End Cap Dia = 18mm, Wt.= 39 gms

D-SD Handle - Yellow / Black (54014), Grey/Red (54019)



Poly Acetal Body Handle with Ball End Cap - Holds all 'C / MC' Blades
L = 121mm, Handle Dia. = 23.7mm, End Cap Dia. = 24mm
Wt.= 51gms

DT (C) Holder (62010)



Metallic holder - Holds all 'C / MC' Blades
L = 107mm, Handle Dia. = 7.5mm, Wt.= 42gms

R-SD Handle - Yellow / Black (54034), Grey/Red (54039)



Poly Acetal Body Handle with Ball End Cap - Holds all
'R / MR' Blades & SD-C, SD-P Holders
L = 121mm, Handle Dia. = 23.7mm, End Cap Dia. = 24mm, Wt.= 51gms

T-SD Handle - Yellow / Black (54024), Grey/Red (54029)



Poly Acetal Body Handle with Ball End Cap to hold all tools &
telescopic holders of size range 6.5-7.5 mm
L = 114 mm, Handle Dia = 23.7 mm, End Cap Dia. = 24 mm
Wt.= 55 gms

DT(P) Holder (62020)



Metallic holder - Holds all 'P / MP' Blades
L = 98mm, Handle Dia. = 7.5mm, Wt.= 40gms

CG HANDLE

CG Handle - Yellow / Black (58054)



Poly Acetal Body Handle with Ball End Cap - Holds 3.2 mm Ø Scrapers
L = 98mm, Handle Dia. = 19.8mm, End Cap Dia. = 21.7mm, Wt.= 36 gms

CG-1 Handle - Red/Black (58033), Yellow/Black (58034)



Poly Acetal Body Handle with Ball End Cap - Holds all 'P / MP' Blades
L = 98mm, Handle Dia. = 19.8mm, End Cap Dia. = 21.7mm, Wt.= 36 gms

CG-2 Handle - Yellow/Black (58044), Red/Black (58043)



Poly Acetal Body Handle with Ball End Cap - Holds all 'C / MC' Blades
L = 98mm, Handle Dia. = 19.8mm, End Cap Dia. = 21.7mm, Wt.= 36 gms

ET-1 Handle - Yellow/Black (58014), Red/Black (58013)



Metallic Holder with soft grip & Ball End cap - Holds all 'P / MP' Blades
L = 101mm, Handle Dia. = 12mm,
End Cap Dia. = 18mm, Wt.= 53gms

ET-2 Handle - Yellow/Black (58024), Red/Black (58023)



Metallic Holder with soft grip & Ball End cap - Holds all 'C / MC' Blades
L = 110mm, Handle Dia. = 12mm, End Cap Dia. = 18mm
Wt.= 54 gms

Collet action ensures firm locking of plain surface holders



SCRAPER
For Surface finishing/Scarper

SCR-3 (72034)



Triangular 3mm A/F HSS Scraper, fix mounted in 8mm Hex Al. powder coated handle. L = 142mm, Handle = 8mm Hex, Wt.=28gms.

SCR-8 (75084)



Triangular 8mm A/F HSS Scraper mounted in 3/8" Hex Al. powder coated handle.
Replaceable type. L = 132mm, Handle = 3/8" Hex Wt.= 40gms

SCR-8-SD (74084)



Triangular 8mm A/F HSS Scraper mounted in Poly Acetal Body (Yellow/Black) Handle with Ball End Cap.
Replaceable type. L = 149mm Handle Dia = 23.7mm,
End Cap Dia = 24mm, Wt.= 64gms.

SCR-6(2)-SD (74064)



Double ended Scraper mounted in a Poly Acetal Body T-SD (Yellow/Black) Handle with Collet Action.
The tool has 6mm A/F Trangular Scraper on one side & Internal Scraper on the other side. L = 147mm
Handle Dia = 23.7mm, End Cap Dia = 24mm, Wt.= 66gms.

SCR-3 (75)-SD (74756)



Triangular 3 mm A/F HSS Scraper of 75mm length mounted in CG (Yellow/Black) Poly Acetal Body Handle with Soft Grip & Ball End Cap.
Spring Loaded Collet Action for sliding & fixing the scraper blade to reach deep. L =119mm min. / 163mm max. Handle Dia = 19.8mm,
End Cap Dia. = 21.7mm, Wt.= 40gms.

SCR-345-SD (74456)



Triangular 3mm Internal HSS Scraper of 75mm length mounted in CG (Yellow/Black) Poly Acetal Body Handle with Soft Grip & Ball End Cap.
Spring Loaded Collet Action for sliding & fixing the scraper blade to reach deep. L = 110mm min. / 163mm max. Handle Dia. = 19.8mm,
End Cap Dia = 21.7mm, Wt.= 40gms.

Hollow Scraper HS-80 (78080)



Double Ended Triangular Hollow Scraper of 4.2mm A/F mounted in 1/2" Al. Hex Handle with collet action for easy sliding & length adjustment L = 140mm min. / 175mm max.
Handle Size = 1/2" Hex, Wt.= 44gms.

Hollow Scraper HS-120 (78120)



Double Ended Triangular Hollow Scraper of 7.4mm A/F mounted in 14mm Al. Hex Handle with collet action for easy sliding & length adjustment L = 162mm min. / 214mm max.
Handle Size = 14mm Hex, Wt.= 58gms.

CERAMIC DEBURRING TOOLS

Features & Applications

- ☑ Scraping of hard component edges.
- ☑ Deflashing of plastic components.
- ☑ Very long life of Ceramic Blade - cutting edge all along.
- ☑ Blade can be ground to suit the application

Ceramic Blade C-1 (77101)



CT Ceramic Tool (77104)



Includes Handles T-SD & Ceramic Blade C-1

SCRAPER BLADES

SCR-3 (75) (72750)

Triangular 3mm A/F Scraper 75mm lengh

SCR-345 (72450)



Triangular 3mm Internal Scraper 75mm length

SCR-6 (2) Combo (74060)



Double ended 6mm Triangular Scraper on one side & Internal Scraper on the other side

SCR-8 Blade (75080)



Triangular 8mm A/F Scraper

Hollow Scraper 80 (76080)



Double ended triangular Hollow scraper of 4.2mm

Hollow Scraper 120 (76120)



Double ended triangular Hollow scraper of 7.4mm



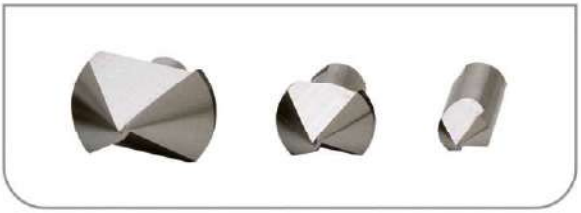


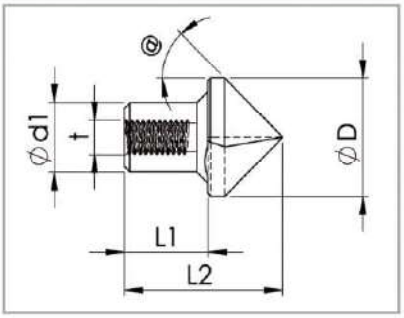




COUNTERSINK TOOLS

2 FLUTE COUNTERSINKS





Two Flute Countersinks

Type	d1°	t	D°	@°	L1	L2	Range
CS-12 (48120)	12.5	M6x1	12.5	45°	23	29.25	4 - 11
CS-20(48200)	12.2	M6x1	21	45°	15	29	4 - 19
CS-30(48300)	12.2	M6x1	31	45°	17.5	36.5	5 - 29

For hole Deburring & Chamferring.
3 sizes upto 30mm for use by hand.
And on m/c.

F Set (48210)

Includes : T-SD handle,
CS-Long Telescopic Holder &
CS-20 Coiuntersink



Countersink Set - Revolving (48032)

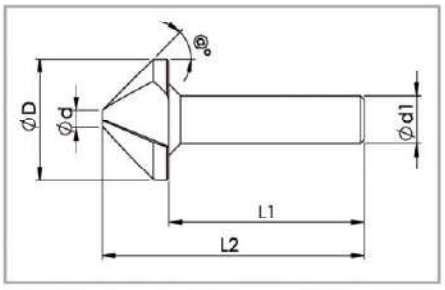
Includes : CS-20 Countersink
with CS-Revoling Handle





3 FLUTE COUNTERSINKS





Three Flute Countersinks

Type	d1°	d°	D°	@°	L1	L2	Range
CS-12-3FLS (48130)	12.5	2	12.5	45°	50	55.25	3 - 11
CS-20-3FLS (48230)	12.2	5	21	45°	50	61	5 - 19
CS-30-3FLS (48330)	12.2	5	31	45°	50	67	5 - 29
CS-40-EFLS (48430)	12.2	5	40	45°	47	69.5	5 - 38

Long shank Three Flute countersinks upto size 40mm for use with m/cs. For hole / slot / corner / deburring / chamferring.

All dimensions in mm.

COUNTERSINK TOOLS

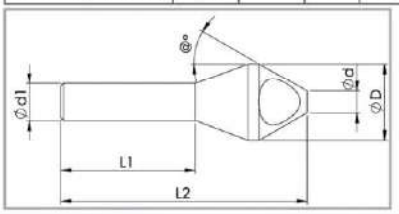
0 FLUTE COUNTERSINKS

For Deburring / Countersinking at higher speed with no vibrations & chatter-free results.



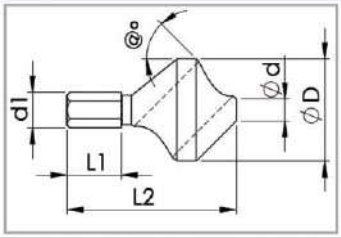
Zero Flute Countersinks

Type	d1	d°	D°	@°	L1	L2	Range
CZ-129(48129)	12.5	0	13	45°	49	55.5	2 - 10
CZ-126(48126)	12.5	2.6	13	30°	49	58	4 - 10
CZ-259(48259)	12	3	25	45°	43.5	75	4 - 22
CZ-256(48256)	12	7	25	30°	43.5	79.6	10 - 22



0 FLUTE COUNTERSINKS





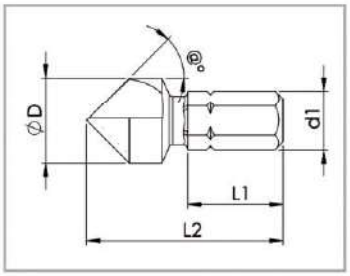
Zero Flute Hex Bit Countersinks

Type	d1°	d°	D°	@°	L1	L2	Range
CZH - 289 (48289)	1/4" Hex	0	10.5	45°	11.2	27.5	2 - 8
CZH - 719 (48719)	1/4" Hex	4.5	21	45°	11.2	34.9	7 - 19

1 FLUTE COUNTERSINKS

Single Flute Countersinks give chatter-free / smooth results in hand use with crank holder or in a hand drill.





Single Flute Hex Bit Countersinks

Type	d1	D°	@°	L1	L2	Range
F63 (48630)	1/4" Hex	6.35	45°	11.2	23.6	1 - 6
F104 (48104)	1/4" Hex	10.5	45°	11.2	23.6	2 - 10
F165 (48165)	1/4" Hex	16.5	45°	11.2	30.5	2 - 16

Hex Bit Countersink Set (48225)

Includes :
CG-2 Handle, Crank Holder
& F63, F104 & F165

Hex Bit Countersink Set (48225)



HANDLES & HOLDERS For 2 Flute Countersink

CSH handle (46014)



CS - Short (62050)



CS - Long (62060)



Crank Holder (62092) - Hex Bit Countersink



CS - Revolving handle (48024)



CS - R Holder (62090) - Revolving



All dimensions in mm.

SETS & KITS

DT-1 (10) Set (86109)



10 pc. pack of Simple, Economical tool - Al. 8mm Hex Powder coated Handle with Pocket Clip & 3.2mm Ø C-10 Blade. The Blade cannot be replaced. Each Tool L = 140mm, Handle Size = 8mm Hex, Total Wt.= 220gms.

DT-2 (5) Set (86059)

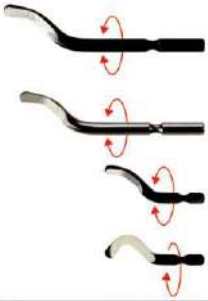


5 pc. pack of Al. 3/8" Hex Powder coated Handle with interchangeable 3.2mm Ø C-10 Blade. Each Tool L = 142mm, Handle Size = 3/8"Hex, Total Wt.= 154gms.

3-IN-1 SET Unique Set with 3 sizes of Deburring Blades viz. 'R'(6mm Ø), 'C'(3.2mm Ø), 'P'(2.6mm Ø)

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

Includes R-SD (Yellow/Black) Handle, SD-C & SD-P Holder & 7 Blades R-15(S), C-10, C-20, C-15, P-1, P-2 & P-3. L = 155mm, Handle Dia.= 23.7mm, End Cap Dia. = 24mm Wt.= 76gms.





Handle shown with R-15(S) Blade.



Holder SD-P



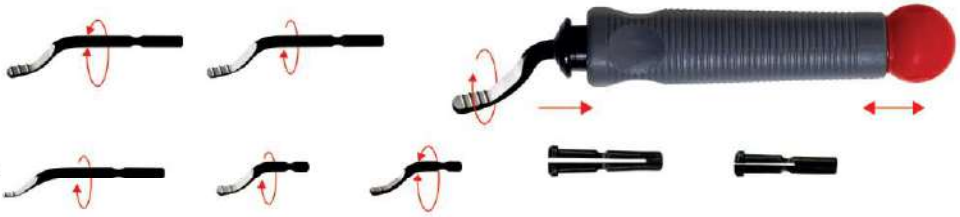
Holder SD-C



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

DT-SD-MC (3-in-1) Set (38523)

Includes R-SD (Grey/Red) Handle, SD-C & SD-P Holder & 6 nos. Multi-cutting Blades MR-10, MC-10, MC-20, MC-101, MP-1 & MP-2. L = 155mm, Handle Dia. = 23.7mm, End Cap Dia. = 24mm, Wt.= 74gms.



PROMO SETS



Promo Set 1 (84050)

Includes :
New 'D' Handle with 10 nos. Deburring Blades - 5 nos. each of C-10 & C-20
Size = 129 x 183 x 30mm
Wt. = 100gms



Promo Set 2 (84060)

Includes :
D-SD Handle with 10 nos. Deburring Blades - 2 nos. each of C-10, C-20, C-101 And 1 no. each of C-30, C-15, C-35 & C-10©
Size = 129 x 183 x 30mm
Wt. = 105gms.



Promo Set 3 (88020)

Includes :
D-SD Handle with 10 nos. Multi-Cutting Edge Deburring Blades - 2 nos. each of MC-10, MC-20, MC-15, MC-101 & MC-40
Size = 129 x 183 x 30mm
Wt. = 105gms

SETS & KITS



DTK-5 Comprehensive Kit (86809)

Includes:-
T-SD (2 Nos.), DT Handles (2 Nos.),
DT(P), VT &
KW Holders,
Scraper SCR-8,
Countersink Tool - CS-20 & CS Holder,
Deburring Blades P-1, P-2 (2 each)
C-10 (5pcs), C-20, C-30, C-10 (Coated),
C-15 & C-101 (1 each),
Key-Way / Slot
Deburring blades,
KW-9 & KW-16,
Sheet / Rib Deburring Blade V-4
Pack Size = 254 x 190 x 56mm
Wt.= 800gms.



Universal Kit (86909)

Includes:-
5 Handles - D-SD, T-SD(2 Nos.), R-SD & SD-1,
21 Nos. 3.2mmØ swivel blades - 5pcs. each of C-10, & C-20,
2pcs. each of C-30, C-15, C-101, C-10(C),
C-20(C), & 1pc. of C-60 blade,
5 Nos. 6mmØ blades - 3pcs. of R-10(S)
& 2pcs. of R-15(S),
2 Nos. Scraper - SCR-3(75mm) & SCR-6(2) Combo,
Sheet / Rib Deburring Tool V-2 & V-4 with Telescopic Holder VT,
Key-way / Slot Deburrer KW-16 with Telescopic Holder KW,
DT(C) Telescopic Holder for all 'C' Blades,
CS-20 Countersink tool with CS - Long Telescopic Holder
C-1 Ceramic Blade
Pack Size = 240 x 270 x 56mm
Wt.= 1276 gms.



Multi-Cut Kit (88081)

Includes:-
1pc. each of Multi-Cutting tools
MC-2, RDT-MC, DT-MC,
Hollow Scraper 80,
10pcs. Pack of 3.2mmØ blades
containing 2pcs. each of MC-10,
MC-20, MC-101 & 1pc. each of
MC-15, MC-40, MC-10(C) &
MC-20© and 5pcs. Pack of 6mm. Ø
blades containing
3pcs. of MR-10 & 2pcs. of MR-15
Pack Size = 254 x 190 x 56mm
Wt.= 738gms.

HEX TOOLS SERIES

- Powder coated Al. Hex handles from 8mm (5/16") to 16mm (5/8") size
- Fix Mounted or Replaceable blade type
- Non-slip grip
- 8mm (5/16") & 9.5mm (3/8") Hex tools are with ball end protection cap
- Safe to use & carry
- Ball end cap protects both Deburring blade & scraper - Mount the cap over the blade for safe storage -When the tool is being used, mount the cap from the other end of the handle for nice grip in the palm



POCKET BURR - FIX MOUNTED TOOLS

HT 10 (31104)

Al. 8mm (5/16") Hex Handle with fix mounted C-10 Blade &
Ball End Protection Cap. Pack of 5 pcs.
Each tool L = 132mm, Handle Size = 8mm Hex,
Ball End Dia = 21 mm, Wt.= 20gms for each tool. Total Wt. = 115gms



HT 101 (31114)

Al. 8mm (5/16") Hex Handle with fix mounted C-101 Blade &
Ball End Protection Cap. Pack of 5 pcs.
Each tool L = 128mm, Handle Size = 8mm Hex,
Ball End Dia = 21mm, Wt.= 19.5gms for each tool. Total Wt. = 110gms



HTSCR3 (71404)

Al. 8mm (5/16") Hex Handle with fix mounted 3mm A/F
triangular Scraper & Ball End Protection Cap. Pack of 5 pcs.
Each tool L = 133mm, Handle Size = 8mm Hex,
Ball End Dia = 21mm, Wt.= 19.5gms for each tool. Total Wt. = 110gms



HTSCR6 (71454)

Al. 9.5mm (3/8") Hex Handle with fix mounted 6mm A/F triangular Scraper
& Ball End Protection Cap. Pack of 5 pcs.
Each tool L = 141mm, Handle Size = 8 mm Hex, Ball End Dia = 21mm,
Wt.= 19.5gms for each tool. Total Wt. = 150 gms



Pocket BuRR 4 pc. Set (31200)

4 pc. Set of Pocket BuRR HT10, HT101,
HTSCR3 & HTSCR6 Tools in a Leather
Wallet Size = 130 X 110 X 30
Wt. =195gms



POCKET BURR - REPLACEABLE BLADE TYPE TOOLS

POCKET BURR SET 1 (31211)

Al. 9.5mm (3/8") Hex Handle with Blade Holder to change blades + Ball
End Protection Cap & 11 pcs. of 3.2mm Ø C-10 Blades.
L = 129mm, Pouch Pack size = 130 x 195 x 25mm Wt. = 68gms.



POCKET BURR SET 2 (31221)

Al. 9.5mm (3/8") Hex Handle with Blade Holder to change blades + Ball
End Protection Cap & 11 pcs. of 3.2mm Ø Multi-Cutting MC-10 Blades.
L = 129mm, Pouch Pack size = 130 x 195 x 25mm Wt. = 68gms.



HEX TOOLS SERIES

POCKET BURR SET 3 (31111)

Al. 9.5mm (3/8") Hex Handle with Blade Holder to change blades + Ball End Protection Cap & 11 pcs. of 2.6mm Ø P-1 Blades.
L = 129mm, Pouch Pack size = 130 x195 x 25mm Wt. = 53gms.



POCKET BURR SET 4 (31121)

Al. 9.5mm (3/8") Hex Handle with Blade Holder to change blades + Ball End Protection Cap & 11 pcs. of 2.6mm Ø
Multi-Cutting MP-1 Blades.
L = 129mm, Pouch Pack size = 130 x 195 x 25mm Wt. = 53gms.



REPLACEABLE BLADE TYPE HEX TOOLS

DT-210 SET (31020)

Al. 9.5mm (3/8") Hex Handle with Blade Holder to change blades & 11 pcs. of 3.2mm Ø C-10 Blades. L=143mm, Pouch Packing size = 130 x 195 x 25mm Wt.=73gms.



C-BuRR SET 1 (Yellow) (31612)

Al. 12.7mm (1/2") Hex Handle with Blade Holder to change blades & 11 pcs. of 3.2mm Ø C-10 Blades.L = 149mm, Pouch Packing size = 130 x 195 x 25mm Wt.=96gms.



C-BuRR SET 2 (Red) (31622)

Al. 12.7mm (1/2") Hex Handle with Blade Holder to change blades & 11 pcs. of 3.2mm Ø
Multi-Cutting MC-10 Blades.
L =149mm, Pouch Packing size = 130 x 195 x 25mm Wt.=96 gms.



D(M) SET (Yellow) (31042)

Al. 16mm (5/8") Hex Handle with Blade Holder to change blades & 11 pcs. of 3.2mm Ø
C-10 Blades. L =147mm,
Pouch Packing size = 130 x 195 x 25mm, Wt.=96gms













cp gratex

CUTTING EDGE

NEW SMART DEBURRING TOOLS

