



BEARING & TOOL CENTRE



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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Date: February 2015

'CP GRAT-EX' Hand-Deburring Tools - Classic Line MRP PRICELIST

Type	Product Code	Rate in Rs.	Type	Product Code	Rate in Rs.	Type	Product Code	Rate in Rs.
DEBURRING TOOLS WITH HANDLE ('A')			DEBURRING BLADES ('A')			CERAMIC TOOLS ('B')		
DT-1 (2)	31014	200/-	P-1	11010	440/- per 10 pcs.	CT	77104	1375/-
DT-2	31024	200/-	P-2	11020	440/- per 10 pcs.	CS	77204	1000/-
DT-3	33033	345/-	P-1(TiN Coated)	11102	810/- per 10 pcs.	C-1 Ceramic Blade	77101	1125/-
DT-35	33353	350/-	P-2(TiN Coated)	11202	810/- per 10 pcs.	SCR-3 Ceramic	77201	750/-
DT-3(M)-SD	34034	450/-	P-3	11030	500/- per 10 pcs.	COUNTERSINK TOOLS ('B')		
DT-35(M)-SD	34354	538/-	P-6	11060	560/- per 5 pcs.	CS-12	48120	395/-
DT-4	33043	530/-	C-10	12100	560/- per 10 pcs.	CS-20	48200	640/-
DT-5-SD	34054	800/-	C-20	12200	560/- per 10 pcs.	CS-30	48300	1190/-
DT-52-SD	34524	550/-	C-30	12300	625/- per 10 pcs.	CSH Handle	46014	150/-
RDT-SD	34064	440/-	C-10(TiN Coated)	12102	940/- per 10 pcs.	CS-Revolving Handle	48024	440/-
KWS-SD	34074	1000/-	C-20(TiN Coated)	12202	940/- per 10 pcs.	CS-R Holder	62090	155/-
SDT	34084	775/-	C-30(TiN Coated)	12302	1000/- per 10	CSH-R(S) Handle	46024	500/-
VDT-SD	34094	850/-	C-35	12350	560/- per 10 pcs.	CS-12-3FLS	48130	575/-
V2-SD	34104	675/-	C-15	12151	690/- per 10 pcs.	CS-20-3FLS	48230	1250/-
SCRAPERS ('A')			C-101	12110	690/- per 10 pcs.	CS-30-3FLS	48330	1750/-
SCR-3	72034	220/-	C-60	12600	625/- per 5 pcs.	CS-40-3FLS	48430	2690/-
SCR-3(75)-SD	74754	450/-	R-10(S)	13100	810/- per 5 pcs.	CS - Short	62050	95/-
SCR-345-SD	74454	565/-	R-15(S)	13151	875/- per 5 pcs.	CS - Long	62060	125/-
SCR-8	75084	440/-	KW-9	27090	240/- per pc.	Countersink Set- Revolving	48034	3000/-
SCR-8-SD	74084	625/-	KW-16	27160	325/- per pc.	KITS ('B')		
SCR-6(2)-SD	74064	675/-	S-12	26120	400/- per 2 pcs.	DTK-1	86509	1438/-
HANDLES & HOLDER ('A')			V-4	26040	415/- per pc.	DTK-2	86609	1813/-
D	53013	175/-	V-2	23020	400/- per pc.	DTK-4	86709	2375/-
D-SD	54014	280/-	SCR-8 Blade	75080	350/- per pc.	DTK-5	86809	4065
T-SD	54024	280/-	SCR-3(75mm)	72750	220/- per pc.	CP UNIVERSAL KIT	86909	8440/-
R-SD	54034	280/-	SCR-345	72450	310/- per pc.	SPECIAL TOOLS ('C')		
SD-1	54044	250/-	SCR-6(2) Combo	74060	440/- per pc.	D(M) Handle (Al. Hex)	51014	345/-
DT@	62010	215/-	SETS ('A')			DT-3(M) (Al. Hex)	31034	500/-
DT(P)	62020	-215/-	DT-1(10) set	86109	970/-	C-OR	12610	625/- per pc.
KW	62030	215/-	DT-2(5) set	86059	970/-	C-100	19100	625/- per 10 pcs.
VT	62040	155/-	DT-SD(3-in-1)	86319	1110/-	C-150	19150	810/- per 10 pcs.
SD-C	64015	60/-	DT-PP	86209	425/-			
SD-P	64025	60/-	DT-SS	86309	562/-			
			Promo-1 Set	84029	875/-			

'CP GRAT-EX MK' Multi-Component Handle Based Deburring Tools

MICRO TOOLS ('A')			COMFORT GRIP 2 TOOLS ('A')			HANDLES ('A')		
MT-1	38014	220/-	RDT-MK	38244	725/-	ET-1 Handle	58014	220/-
MT Scraper	38024	315/-	DT-MK	38334	560/-	ET-2 Handle	58024	220/-
ECONO TOOLS ('A')			DT-5C-MK	38324	875/-	CG-1 Handle	58034	325/-
ET-1	38030	255/-	DT-3P-MK	38214	710/-	CG Handle	58054	325/-
ET-2	38040	275/-	V-2-MK	38254	800/-	T-SD-MK Handle	58064	400/-
COMFORT GRIP 1 TOOLS ('A')			VDT-MK	38264	950/-	D-SD-MK Handle	58074	400/-
CG-1	38114	360/-	KWS-MK	38274	1125/-	R-SD-MK Handle	58084	400/-
CG Scraper	38134	530/-	SCR-6(2)-MK	38284	825/-	SPECIAL MK SETS / KITS ('A')		
			CT-MK	38294	1500/-	Promo-1 Set	88039	1000/-
						Kit-1	88019	2438/-
						Kit-2	88029	5500/-

Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

Deburring Tools **Countersink Tools**

'The Cutting Edge for a Perfect Finish'



SMART DEBURRING TOOLS



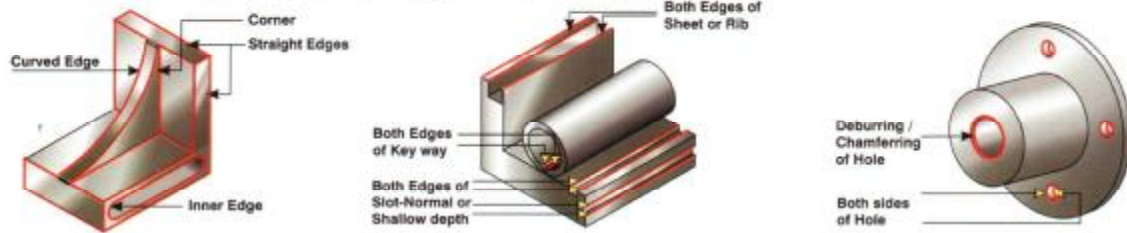
For Fast, Efficient & Economical Hand Deburring

Deburring TOOLS

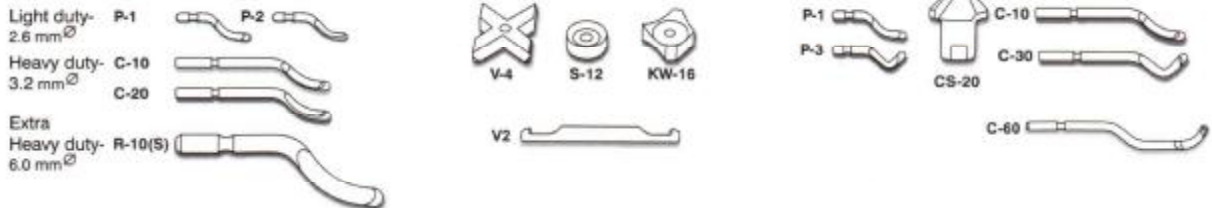
Burrs are the unwanted portion of metal which remain at the edges of components after machining. Deburring is therefore essential; which is commonly done by filing or by using deburring machine tool. Filing off burr is time consuming and it also does not give smooth edge; whereas burr removal using deburring 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, Inner & Curved, Both sides of - slots, key-ways, Ribs, Ridge, Sheets, Corners, Single or both sides of Hole etc.



Variety of tools



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

BLADES TYPE	SUITABLE FOR DEBURRING OF
P1, C-10, R-10(S)	Steel, Al., Copper etc.
P2, C-20	Cast Iron, Brass
P3, C-30, C-60	Sheet metal holes
C-15, R-15 (S)	Stainless Steel
C-101	Small holes

BLADES TYPE	SUITABLE FOR DEBURRING OF
C-100, C-150 Coated & M35 Blades	Hard Metals
S-12, V-2, V-4	Sheet / Ribs - Both sides
KW-9, KW-16	Key-way / Slots
CS-12, CS-20, CS-30	Hole deburring/ Chamfering

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

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 (4) Set (86059)	4 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-35 (33353)	'D' Handle & 5 Blades C-10, C-20, C-30 C-10(C) & C-15

DT-4 This ABS Plastic handle holds both 'C' & 'P' type blades.



Packing Model	Includes
DT-4 (33043)	'D' Handle & 4 Blades C-10, C-20, P1 &
DT-4 CP Set (86049)	'D' Handle & 10 Blades of C-10 C-10(C) & C-15

DT-3 (M)-SD

This is Polyacetal body handle & Metallic 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-35(M)-SD (34354)	'D'-SD' Handle & 5 Blades C-10, C-20, C-30 C-10(C) & C-15

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

New Swiss Design Handle

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



DTK-1 Kit
(86509)

Includes -

Handle D,
Five Blades
C-10, C-20, C-30,
C-10 (Coated),
and C-15,
Scraper SCR-3,
Countersink tool
CS-20 and
CSH handle.

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-2 Kit
(86609)

Includes -

Handle T-SD,
Telescopic holder
DT(C)
Five Blades
C-10, C-20, C-30,
C-10 (Coated),
and C-15,
Countersink tool
CS-20 and
CS Holder &
CSH-R(S) handle.



DTK-4 Kit - Mini Comprehensive Kit
(86709)

Includes -

Deburring tool handles
D-SD & T-SD,
Deburring Blades -
1 each of C-10, C-20,
C-30, C-101,
C-15, C-10 \oplus & C-60
Sheet/Rib Deburring Holder
VT & V-4 blade
Key-way Deburring Holder
KW & KW-9, KW-16 blades
SCR-3 scraper



DTK-5 Comprehensive Kit
(86809)

Includes -

T-SD (2 No) &
DT Handles, DT (P) &
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,
Sheet/Rib Deburring V-4



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 \oplus ,
C-20 \oplus , 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 \oplus telescopic holder
for all 'C' blades.
CS-20 Countersink tool &
C-1 Ceramic Blade.



Promo-1 Set (84069)

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)

Deburring TOOLS

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 6-12 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)

NEW

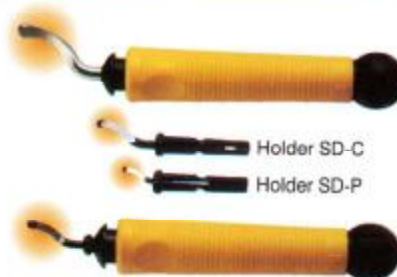


- Double ended tool.
- Held & replaceable in collet type T-SD Handle.
- Deburrs both edges of sheet/ rib of upto 4 mm thickness from one side.
- Single edge deburring from another side of the tool.



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 O), 'C' (3.2 mm O) & 'P' (2.6 mm O)
- 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' Blade.

Scraper for Surface finishing/ Scraping

Scraper SCR-3- (72034)

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



Scraper SCR-8 (75084)

Triangular 8mm A/F Scraper. Replaceable type.



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

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



Scraper SCR-8-SD (74084)

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



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

NEW



SCR- 6 (2) Combo Scraper

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



Deburring TOOLS

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)



CT Ceramic Tool (77104)



Includes Handles T-SD & Ceramic Blade C-1

Ceramic Scraper SCR-3 (77201)



3 mm Triangular Scraper

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-R with Ratchet mechanism.



CSH Handle (46014)



CS-Revolving Handle (48024)



CSH-R (S) Handle (46024)

Countersink Set - Revolving (48034)



Includes CS-12, CS-20 and CS-30 Countersinks with CS-Revolving Handle



3 Flute, Long Shank Countersinks

Upto size 40mm for use with m/c.
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 Blades

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

BLADES TYPE	APPLICATIONS	PACK QUANTITY	BLADES TYPE	APPLICATIONS	PACK QUANTITY
P-1 (11010)	 Universal Blade. For light duty & small components deburring of Steel, Al., Copper, Zinc, Plastics, etc.	10	C-15 (12151)	 For stainless steel & hard plastic.	10
P-2 (11020)	 For small components of C.I. & Brass	10	C-101 (12110)	 For small holes from 1.5 mm in Steel & Aluminium,	10
P-3 (11030)	 For both sides of sheet metal holes upto 6 mm thickness.	10	Coated Blades	Titanium Nitride (TiN) coating on P1, P2, C10 & C20 Blades for hard metal & longer life application.	10
C-10 (12100)	 Universal Blade. For materials having spiral chips such as Steel, Al., Copper, Zinc, Plastics, etc.	10	C-60 (12600)	 For backside deburring upto 20 mm thickness.	5
C-20 (12200)	 For materials having brittle burr such as C.I. & Brass.	10	C-OR (12610)	 For internal O-Ring grooves upto 3 mm	1
C-30 (12300)	 For simultaneous deburring of inner & outer edges of sheet metal holes up to 10 mm thickness.	10	R-10(S) (13100)	 Universal Blade for Extra Heavy duty deburring application. For materials having spiral Chips such as Steel, Al., Copper, Zinc, etc.	5
C-35 (12350)	 For straight edges on most materials.		R-15(S) (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 & 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 & single edge from another side.

V-4 (26040)  4 nos 'V' shaped edges - 2 nos for 1 to 12 mm width & 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 & Internal Scraper on another side.

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.
- DN** (53023)  ABS Plastic handle. Holds all 'C' & 'P' Blades.
- T-SD** (54024)  Holds all telescopic holders.
- R-SD** (54034)  Holds all 'R' Blades & CS-R, SD-C & SD-P Holders
- SD-1** (54044)  Holds SCR-3 Scraper blades

Holder

- 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

Manufactured by :

CP ENTERPRISES
MUMBAI