Burr 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. Filling 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
- **P1, C-10, R-10(S), MP-1, MC-10, MC-70, MR-10**
- **P2, C-20, MP-2, MC-20, MC-40, MC-80**
- **P3, C-30, C-50, MC-40**
- **C-15, R-15(S), MC-15, MR-15**
- **C-101, MC-101**

### SUITABLE FOR DEBURRING OF
- Steel, Al, Copper etc.
- Cast Iron, Brass
- Sheet metal holes
- Stainless Steel
- Small holes

### BLADES TYPE
- **C-100, C-150, Coated & M35 Blades**
- **S-12, V-2, V-4, V-20, KW-9, KW-16**
- **SCR-3, SCR-345, SCR-6(2), SCR-8**
- **CS-12, CS-20, CS-30, CS-12-3FLS, CS-20-3FLS, CS-30-3FLS, CS-40-3FLS**

### SUITABLE FOR DEBURRING OF
- Hard Metals
- Sheet / Ribs - Both sides
- Key-way / Slots
- Surface finishing / Scraping, Corner cleaning
- Hole deburring / Chamfering

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 polycetal.

**Packing Model** | **Includes**
--- | ---
DT-3 (33033) | 17 Handle & 3 Blades C-10, C-20 & C-30
DT-35 (33353) | 17 Handle & 5 Blades C-10, C-20, C-30 C-10(C) & C-15

#### DT-3 (M)-SD
This is Polycetal 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) | 17 SD Handle & 3 Blades C-10, C-20 & C-30
DT-3(M)-SD (34354) | 17 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) | 17 SD Handle, DT(C) Holder & 5 Blades C-10, C-20, C-30, C-10(C) & C-15
DT-5-SD (34524) | 17 SD Handle, DT(C) 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)**
- Double ended tool.
- Held & replaceable in collet type T-SD Handle.
- Deburr both edges of sheet/ rib of up to 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 mmØ), ‘C’ (3.2 mmØ) & ‘P’ (2.6 mmØ)
- 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.

**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-6 (2) - SD (74064)**
- Double ended tool.
- Held & replaceable in collet type T-SD Handle.
- 6 mm A/F Triangular Scraper on one side.
- Internal Scraper on the other side.

**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.
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)

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.

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
Offered only in certain Countries.

3 Flute, Long Shank Countersinks
Upto size 40mm for use with m/cs.
For hole/ slot/ corner deburring/ chamfering.
### Deburring Tools Sets & Kits

#### Deburring Tools set for Plastic Deflashing

**DT-PP SET (86209)**
For deflashing & scraping of a Plastic component. Includes DT-2 handle with C-15 blade & SCR-3.

**DT-2 handle with C-15 Blade**

**SCR-3**

**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.

**DTK-1 Kit**
**(86509)**

**DTK-2 Kit**
**(86609)**

#### 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**

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

**DTK-4 Kit - Mini Comprehensive Kit**
**(86709)**

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

#### 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-100, C-200,
  - 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, Sheel/ 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.

**Universal Kit**
**(86909)**

**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)
Deburring Blades

**BLADES TYPE** | **APPLICATIONS** | **PACK QUANTITY**
--- | --- | ---
P-1 (11010) | Universal Blade. For light duty & small components deburring of Steel, Al., Copper, Zinc, Plastics, etc. | 10
P-2 (11020) | For small components of C.I. & Brass | 10
P-3 (11030) | For both sides of sheet metal holes upto 6 mm thickness. | 10
P-6 (11060) | For backside deburring upto 20 mm thickness. | 5
**Coated Blades**
Coated Blades | Titanium Nitride (TiN) coating on P-1, P-2 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-20 (12200) | For materials having brittle burr such as C.I. & Brass. | 10
C-30 (12300) | For simultaneous deburring of inner & outer edges of sheet metal holes up to 10 mm thickness. | 10
C-35 (12350) | For straight edges on most materials. | 10

**BLADES TYPE** | **APPLICATIONS** | **PACK QUANTITY**
--- | --- | ---
C-15 (12151) | For stainless steel & hard plastic. | 10
C-101 (12110) | For small holes from 1.5 mm in Steel & Aluminium. | 10
**Coated Blades**
Coated Blades | Titanium Nitride (TiN) coating on C-10, C-20 & C-30 Blades for hard metal & longer life application. | 10
C-60 (12600) | For backside deburring upto 20 mm thickness. | 5
C-OR (12610) | For internal O-Ring grooves upto 3 mm | 1
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
R-10(S) L+R (13200) | Universal Blade for Extra Heavy Duty Deburring. Both direction Application. 5
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**

**KW-9 (27090)**
For width 0-9 mm

**KW-16 (27160)**
For width 0-16 mm

**Sheet / Rib Deburring Blades**

S-12 (28120)
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 & 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** (74600) | Double ended 6 mm Triangular Scraper on one side & 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 & SD-6 & SD-P Holders.

**SD-1** (54044)
Holds SCR-3 Scraper blades

**Holdesrs**

**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