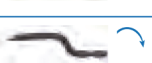
# Blade Index

| Blade Name | Ordering Number | Description | Blade (Work Direction Shown) | Applications | | | | | | | | | | Materials | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Straight Edge | Hole Edge | Outer Edge | Cross-Hole Both Edges | Hole Back-Edge | Hole Inner Surface | Flat Surface | Sheet | Slot/Keyway | Inner Straight Corners | Steel | Aluminum | Copper | Brass | Cast Iron | Stainless Steel | Hardened Steel | Plastics | Carbide & Glass | Wood |
| **B1** | 151-29215 | Tough, long-life cobalt blade. N1 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **B-N1** | 151-29207 | HSS. N1 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B10** | 151-29212 | HSS. Deburrs materials with spiral chips. **Bulk pack available.** | ★ | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B10C** | 151-29013 | Solid carbide. B10 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | | ● | ● | | |
| **B10D** | 151-29014 | Diamond-coated. B10 geometry. | | ● | ● | | | | | | | | | | | | | | | | | ● | |
| **B10L** | 151-29095 | B10 for left-handed users. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B10P** | 151-29015 | PVD TiN coated for high wear resistance. B10 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **B10PL** | 151-29096 | B10 coated with PVD TiN. For left-handed users. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **B10S** | 151-29210 | Long-lasting, cobalt-enriched. B10 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **B11** | 151-29108 | Extra thin, HSS. Deburrs holes with min. diameter 0.08" (2mm). | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B11P** | 151-00120 | PVD TiN coated for high wear resistance. B11 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **B12** | 151-29016 | Short-nosed, HSS. | ★ | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B12P** | 151-19017 | Short-nosed, PVD TiN coated for high wear resistance. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **B20** | 151-19019 | HSS. Rotates clockwise & counterclockwise. | ★ | ● | ● | | | | | | | | | | | | ● | ● | | | ● | | ● |
| **B20C** | 151-19020 | Solid carbide. Rotates clockwise & counterclockwise. | | ● | ● | | | | | | | | | | | | ● | ● | ● | | ● | | ● |
| **B20P** | 151-29021 | PVD TiN coated for high wear resistance. Rotates clockwise & counterclockwise. | | ● | ● | | | | | | | | | | | | ● | ● | ● | | ● | | ● |
| **B25** | 151-29022 | Thin-nosed. Specially designed for plastics. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B25C** | 151-29110 | Solid carbide, thin-nosed. Specially designed for abrasive plastics. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **B30** | 151-29023 | Simultaneously deburrs the inside and outside of holes up to 0.16" (4 mm) thick. | ★ | | | | ● | | | | | | | ● | ● | ● | | | | | ● | | |
| **B30P** | 151-29024 | PVD TiN coated for high wear resistance. B30 geometry. | | | | | ● | | | | | | | ● | ● | | | | ● | | ● | | |
| **B32** | 151-29025 | Rotates clockwise & counterclockwise. B30 geometry. | | | | | ● | | | | | | | | | | ● | ● | | | ● | | ● |
| **B50C** | 151-29026 | Carbide tipped scriber. Can be reground. | | | | | | | | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | | |
| **B60** | 151-29027 | HSS. Removes burrs from back edge of holes up to 0.78" (20 mm) thick. |  | | | | | ● | | | | | | ● | ● | ● | | | | | ● | | |
| **B70** | 151-29028 | Carbide tipped. Deburrs sheetmetal up to 0.14" (3.5 mm) thick. | | | | | | | | | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | | |
| **C40** | 151-29029 | Small, 0.16" (4 mm), triangular HSS scraper for precision work. | ★ | | | | | ● | ● | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| **C42** | 151-29030 | Standard size, 0.31" (8 mm), triangular HSS scraper. | ★ | | | | | ● | ● | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| **C50** | 151-29117 | Double-sided, 0.30" (7.8 mm), triangular scraper. | ★ | | | | | ● | ● | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| **C60** | 151-29118 | Double-sided, 0.19" (4.8 mm), triangular scraper. | | | | | | ● | ● | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| **D80C** | 151-29031 | Solid carbide, 6 cutting edges. Scrapes surfaces and deburrs sheet metal up to 0.12" (3 mm) thick. | ★ | | | | | | | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | | ● |
| **D82C** | 151-29032 | Heavy-duty, double-edged carbide blade. Deburrs sheet metal up to 0.35" (9 mm) thick. | | | | | | | | | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | | ● |
| **D85** | 151-29033 | Tough HSS with chipbreaker and 6 cutting edges. Deburrs sheet metal up to 0.24" (6 mm) thick. | | | | | | | | | ● | | | ● | ● | ● | ● | | | | ● | | |

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| | | | | Straight Edge | Hole Edge | Outer Edge | Cross-Hole Both Edges | Hole Back-Edge | Hole Inner Surface | Flat Surface | Sheet | Slot/Keyway | Inner Straight Corners | Steel | Aluminum | Copper | Brass | Cast Iron | Stainless Steel | Hardened Steel | Plastics | Carbide & Glass | Wood |
| **E100** | 151-29034 | Heavy-duty HSS. Deburrs materials with spiral chips. | ★ | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **E100C** | 151-29035 | Wear resistant carbide. E100 geometry. | | ● | ● | | | | | | | | | | | | | | | ● | ● | | |
| **E100D** | 151-29036 | Diamond-coated. E100 geometry. | | ● | ● | | | | | | | | | | | | | | | | | ● | |
| **E100L** | 151-29098 | E100 for left-handed users. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **E100P** | 151-29037 | PVD TiN coated for high wear resistance. E100 geometry. | | ● | ● | | | | | | | | | ● | ● | | | | ● | | ● | | |
| **E100PL** | 151-00022 | Coated for left-handed users. | | ● | ● | | | | | | | | | ● | ● | | | | ● | | ● | | |
| **E100S** | 151-29211 | Long-lasting, cobalt-enriched. E100 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **E110** | 151-29038 | E shaft, B10 cutting edge for materials with spiral chips. Deburrs holes with min. diameter 0.08" (2 mm). | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **E110P** | 151-29039 | PVD TiN coated for high wear resistance. E110 geometry. | | ● | ● | | | | | | | | | ● | ● | | | | ● | | ● | | |
| **E111** | 151-29109 | Thin-nosed, HSS. Deburrs holes with min. diameter 0.06" (1.5 mm). | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **E111P** | 151-00099 | PVD TiN coated for high wear resistance. E111 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **E120** | 151-29058 | E shaft, B20 cutting edge for materials with powdery chips. Rotates clockwise & counterclockwise. | | ● | ● | | | | | | | | | | | | ● | ● | | | ● | | |
| **E200** | 151-29040 | HSS for materials with powdery chips. Rotates clockwise & counterclockwise. | ★ | ● | ● | | | | | | | | | | | | ● | ● | | | ● | | ● |
| **E200P** | 151-29099 | PVD TiN coated for high wear resistance. E200 geometry. | | ● | ● | | | | | | | | | | | | ● | ● | | | ● | | ● |
| **E200S** | 151-00107 | Long lasting, cobalt enriched. E200 geometry. | | ● | ● | | | | | | | | | | | | ● | ● | | | ● | | ● |
| **E200C** | 151-29041 | Wear resistant carbide. E200 geometry. | | ● | ● | | | | | | | | | | | | ● | ● | | ● | ● | | ● |
| **E250** | 151-29106 | Specially designed for plastics. Very thin, heavy duty. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |
| **E300** | 151-29042 | HSS for materials with spiral chips. Simultaneously deburrs the inside and outside of holes up to 0.24" (6 mm) thick. | ★ | | | | ● | | | | | | | ● | ● | ● | | | | | | | |
| **E300P** | 151-29227 | PVD TiN coated for high wear resistance. E300 geometry. | | | | | ● | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **E320** | 151-29043 | HSS for materials with powdery chips. Simultaneously deburrs the inside and outside of holes up to 0.24" (6 mm) thick. Rotates clockwise & counterclockwise. | | | | | ● | | | | | | | | | | ● | ● | | | ● | | ● |
| **E350** | 151-29044 | HSS for materials with powdery chips. Rotates clockwise & counterclockwise. | | ● | | | | | | | | | | | | | ● | ● | | | ● | | |
| **E400** | 151-29233 | Mini triangular scraper. | | ● | | | | ● | ● | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | ● |
| **E450** | 151-29234 | The 4 in 1 blade. | | ● | | | | ● | | | ● | | | ● | ● | ● | ● | ● | ● | | ● | | |
| **E500C** | 151-29111 | Carbide tipped scriber. Can be reground. | | | | | | | | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| **E600** | 151-29045 | HSS. Removes burrs from back-edges of holes up to 0.78" (20 mm) thick. | ★ | | | | | ● | | | | | | ● | ● | ● | | | | | ● | | |
| **E601** | 151-29046 | Extra-long HSS. Removes burrs from back-edges of holes up to 1.57" (40 mm) thick. | | | | | | ● | | | | | | ● | ● | ● | | | | | ● | | |
| **E604** | 151-29231 | Cross-hole, back-edge with short nose. | | | | | | ● | | | | | | ● | ● | ● | | | | | ● | | |
| **E700** | 151-29047 | HSS for materials with spiral chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes. | | | | | | ● | ● | | | | | ● | ● | ● | | | | | ● | | |
| **E707** | 151-29232 | Contour Cleaner. | | ● | ● | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | |
| **E720** | 151-29048 | HSS for materials with powdery chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes. Rotates clockwise & counterclockwise. | | | | | | ● | ● | | | | | | | | ● | ● | | | ● | | ● |
| **E750** | 151-29113 | HSS specially designed for deburring rubber & soft plastics without poking or sticking into workpiece. | | ● | ● | | | | | | | | | | | | | | | | ● | | |
| **E755** | 151-29085 | HSS for deburring corner-edges of 0.04" (1 mm) high steps. | | ● | | | | | | | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| **E800** | 151-29018 | HSS for materials with spiral chips. Removes burrs from corner-edges of shallow steps. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **E10** | 151-29216 | Long-lasting, cobalt-enriched for materials with spiral chips. Ideal for heavy duty jobs. | | ● | ● | | | | | | | | | ● | ● | ● | | | ● | | ● | | |
| **ES10** | 151-29105 | HSS durable blade. S10 geometry. | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Straight Edge | Hole Edge | Outer Edge | Cross-Hole Both Edges | Hole Back-Edge | Hole Inner Surface | Flat Surface | Sheet | Slot/Keyway | Inner Straight Corners | Steel | Aluminum | Copper | Brass | Cast Iron | Stainless Steel | Hardened Steel | Plastics | Carbide & Glass | Wood |
| F12 | 151-29049 | Countersink for hole-edges with up to 0.47" (12 mm) diameter. | | | ● | | | | | | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| F20 | 151-29050 | Countersink for hole-edges with up to 0.78" (20 mm) diameter. | ★ | | ● | | | | | | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| F30 | 151-29051 | Countersink for hole-edges with up to 1.18" (30 mm) diameter. | | | ● | | | | | | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| F26X | 151-29147 | Excellent for external chamfering of pipes, tubes and other items with up to 1.02" (26 mm) diameter. | ★ | | | ● | | | | | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| G10 | 151-29052 | HSS. Deburrs slots up to 0.6" (15 mm) wide. | ★ | | | | | | | | | ● | | ● | ● | ● | ● | ● | ● | | ● | | |
| G20 | 151-29053 | HSS, 4 cutting corners. For slots up to 0.4" (10 mm) wide. | | | | | | | | | | ● | | ● | ● | ● | ● | ● | ● | | ● | | |
| G30C | 151-29115 | Solid carbide, 3 cutting corners. Cleans corners and removes radii after machining for smooth flush mating of adjoining faces. | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| G40C | 151-29103 | Carbide, 4 cutting corners. For slots up to 0.4" (10 mm) wide. | | | | | | | | | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | | |
| L10 | 151-29063 | HSS, 4 cutting edges. Removes burrs from external edges, OD 0.78" (20 mm) and up. "A" side deburrs materials with spiral chips; "B" side for powdery chips. | A B | | | ● | | | | | | | | A ● | A ● | A ● | B ● | B ● | A ● | | A ● B | | ● |
| R10 | 151-29141 | Double-sided, round HSS blade. "A" side deburrs materials with spiral chips; "B" side for powdery chips. | ★ A B | ● | | | | | | | ● | | | A ● | A ● | A ● | B ● | B ● | A ● | | A ● B | | ● B |
| R20 | 151-29142 | Double-edged, round HSS blade for massive deburring tasks on materials with spiral chips. | ★ | ● | | | | | | | ● | | | ● | ● | ● | | | ● | | ● | | |
| R30 | 151-29143 | Produces arc-shaped finish on materials up to 0.63" (16 mm) thick. Use a single R30 for one straight edge, or two blades at once to deburr both edges simultaneously. | | ● | | | | | | | ● | | | ● | ● | ● | | | ● | | ● | | |
| BUS1 | 151-29195 | Fine-finishing triangular scraper. | | | | | | ● | ● | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | ● |
| BUS2 | 151-29196 | Fine-finishing flat scraper. | | | | | | | | ● | | | ● | ● | ● | ● | ● | ● | ● | | ● | | |
| BUS31 | 151-29197 | Fine-finishing round scraper. | | | | | | | | ● | | | | ● | ● | ● | ● | ● | ● | | ● | | |
| BUS4 | 151-29198 | Fine-finishing hooked corner scraper. | | | | | | | | ● | | | ● | ● | ● | ● | ● | ● | ● | | ● | | |
| Q10 | 151-29236 | Double-sided deburring ceramic blade. | | ● | | | | | | ● | | | | | | | | | | | ● | | ● |
| Q11 | 151-00132 | Double-sided deburring. Curved creamic blade for curved edges and small ridges. | | ● | | | | | | | | | | | | | | | | | ● | | ● |
| Finishing Bit | 156-00001 | D1/4" hex shank bit with deburr blade (4 pack). | | ● | ● | | | | | | | | | ● | ● | ● | | | | | ● | | |

## The Tools of Choice for Industrial Use

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