

# Blade Index

| Blade Name | Ordering Number | Description  | Blade<br>(Work Direction Shown) | Applications  |           |            |                       |                |                    |              |       |             |                        |       |          |        | Materials |           |                 |                |          |                 |   |   |   |
|------------|-----------------|--|---------------------------------|---------------|-----------|------------|-----------------------|----------------|--------------------|--------------|-------|-------------|------------------------|-------|----------|--------|-----------|-----------|-----------------|----------------|----------|-----------------|---|---|---|
|            |                 |  |                                 | Straight Adge | Hole Adge | Outer Adge | 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 |   |   |   |
| B1         | 151-29215       | Tough, long-life cobalt blade. 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 resistance to wear. 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 resistance to wear. B11 geometry.  |                                 | ●             | ●         |            |                       |                |                    |              |       |             |                        |       |          |        | ●         | ●         | ●               |                |          |                 | ● | ● |   |
| B12        | 151-29016       | Short-nosed, HSS.  | ★                               | ●             | ●         |            |                       |                |                    |              |       |             |                        |       |          |        | ●         | ●         | ●               |                |          |                 |   | ● |   |
| B12P       | 151-19017       | Short-nosed, PVD TiN coated for high resistance to wear.   |                                 | ●             | ●         |            |                       |                |                    |              |       |             |                        |       |          |        | ●         | ●         | ●               |                |          |                 | ● | ● |   |
| B20        | 151-19019       | HSS. Rotates clockwise & counterclockwise.   | ★                               | ●             | ●         |            |                       |                |                    |              |       |             |                        |       |          |        |           |           | ●               | ●              |          |                 |   | ● |   |
| B20C       | 151-19020       | Solid carbide. Rotates clockwise & counterclockwise.   |                                 | ●             | ●         |            |                       |                |                    |              |       |             |                        |       |          |        |           |           | ●               | ●              | ●        |                 |   | ● |   |
| B20P       | 151-29021       | PVD TiN coated for high resistance to wear. 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 out side of holes up to 0.16" (4 mm) thick.                  | ★                               |               |           |            | ●                     |                |                    |              |       |             |                        |       |          |        | ●         | ●         | ●               |                |          |                 |   | ● |   |
| B30P       | 151-29024       | PVD TiN coated for high resistance to wear. B30 geometry.  |                                 |               |           |            | ●                     |                |                    |              |       |             |                        |       |          |        | ●         | ●         | ●               |                |          |                 | ● | ● |   |
| B32        | 151-29025       | Rotates clockwise & counterclockwise. B30 geometry.  |                                 |               |           |            | ●                     |                |                    |              |       |             |                        |       |          |        |           |           | ●               | ●              |          |                 |   | ● |   |
| B50C       | 151-29026       | Carbide tipped scribe. 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 |   |   |   |  |
| 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 resistance to wear. 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 resistance to wear. 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 resistance to wear. 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 resistance to wear. 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 resistance to wear. 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.  |                                 | ●             | ●         |            |                       |                |                    |              |       |             |                        |       |           | ●      | ●     | ●         |                 |                |          |                 | ● | ● |   |  |

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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 |   |   |
| 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. Deburs 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.  |                                 |               |           |            |                       |                |                    |              |       |             | ●                      |           |          | ●      | ●     | ●         | ●               | ●              | ●        | ●               | ● | ● |
| K10C          | 151-29062       | Double-edged, carbide. Deburs surfaces up to 1.91" (50 mm) wide.  |                                 |               |           |            |                       |                |                    |              |       |             |                        |           |          | ●      | ●     | ●         | ●               | ●              | ●        |                 | ● |   |
| L10           | 151-29063       | HSS, 4 cutting edges. Removes burrs from external edges, OD 0.78" (20 mm) and up. "A" side deburs materials with spiral chips; "B" side for powdery chips.            |                                 |               |           | ●          |                       |                |                    |              |       |             |                        |           |          | ●      | ●     | ●         | ●               | ●              | ●        |                 | ● | ● |
| R10           | 151-29141       | Double-sided, round HSS blade. "A" side deburs materials with spiral chips; "B" side for powdery chips.   | ★                               |               | ●         |            |                       |                |                    |              |       |             |                        |           |          | ●      | ●     | ●         | ●               | ●              | ●        |                 | ● | ● |
| 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.  |                                 |               | ●         |            |                       |                |                    |              |       |             |                        |           |          | ●      | ●     | ●         | ●               | ●              | ●        |                 | ● | ● |
| Finishing Bit | 156-00001       | D1/4" hex shank bit with deburr blade (4 pack).   |                                 |               | ●         | ●          |                       |                |                    |              |       |             |                        |           |          | ●      | ●     | ●         | ●               | ●              | ●        |                 | ● | ● |

## Bonus Pack E100P Blades TiN Coated

TiN (Titanium Nitride) coated blades  
Achieve the best finish with the highest resistance to wear

Buy 10 x E100P blades (TiN Coated) and receive 2 blades **FREE**

Additional TiN Coated Blades Available in Packs of 10



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