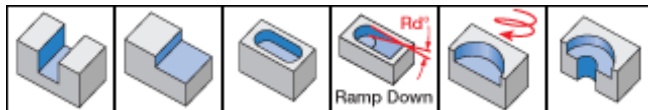
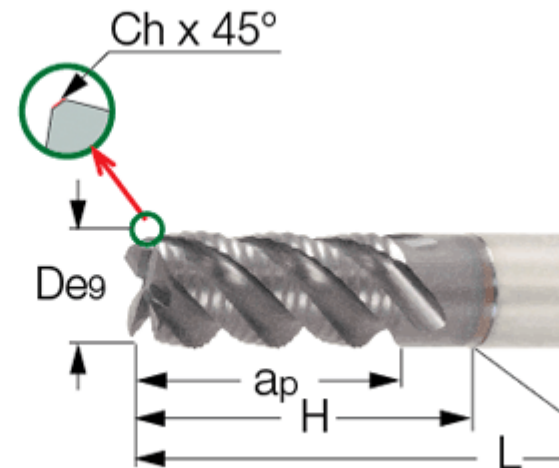
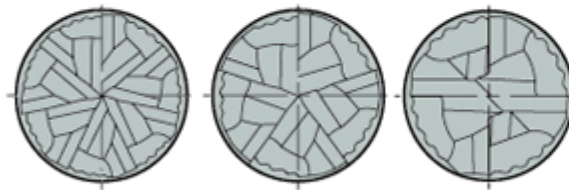




**ECR-B-L** : 4-7 flute 45°helix, long reach (3xd) solid carbide roughing endmills. Used for high stock removal rates.



| Designation               | D     | d     | ap    | H     | L      | Flute | Ha°/b> | Rd°/b> | Shank | Ch   | fz(min) | fz(max) | Grade |
|---------------------------|-------|-------|-------|-------|--------|-------|--------|--------|-------|------|---------|---------|-------|
| ECR-B4L 06-12/18C06-57    | 6.00  | 6.00  | 12.00 | 18.00 | 57.00  | 4     | 45.0   | 5.0    | C     | 0.25 | 0.03    | 0.06    | IC900 |
| ECR-B4L 06-12/18W06-57    | 6.00  | 6.00  | 12.00 | 18.00 | 57.00  | 4     | 45.0   | 5.0    | W     | 0.25 | 0.03    | 0.06    | IC300 |
| ECR-B4L 06-12/18W06-57 90 | 6.00  | 6.00  | 12.00 | 18.00 | 57.00  | 4     | 45.0   | 5.0    | W     | 0.25 | 0.03    | 0.06    | IC900 |
| ECR-B4L 08-16/24C08-63    | 8.00  | 8.00  | 16.00 | 24.00 | 63.00  | 4     | 45.0   | 5.0    | C     | 0.25 | 0.03    | 0.08    | IC900 |
| ECR-B4L 08-16/24W08-63    | 8.00  | 8.00  | 16.00 | 24.00 | 63.00  | 4     | 45.0   | 5.0    | W     | 0.25 | 0.03    | 0.08    | IC300 |
| ECR-B4L 08-16/24W08-63 90 | 8.00  | 8.00  | 16.00 | 24.00 | 63.00  | 4     | 45.0   | 5.0    | W     | 0.25 | 0.03    | 0.08    | IC900 |
| ECR-B4L 10-20/30C10-72    | 10.00 | 10.00 | 20.00 | 30.00 | 72.00  | 4     | 45.0   | 5.0    | C     | 0.30 | 0.03    | 0.09    | IC900 |
| ECR-B4L 10-20/30W10-72 30 | 10.00 | 10.00 | 20.00 | 30.00 | 72.00  | 4     | 45.0   | 5.0    | W     | 0.30 | 0.03    | 0.09    | IC300 |
| ECR-B4L 10-20/30W10-72 90 | 10.00 | 10.00 | 20.00 | 30.00 | 72.00  | 4     | 45.0   | 5.0    | W     | 0.30 | 0.03    | 0.09    | IC900 |
| ECR-B4L 12-24/36C12-83    | 12.00 | 12.00 | 24.00 | 36.00 | 83.00  | 4     | 45.0   | 5.0    | C     | 0.35 | 0.04    | 0.10    | IC900 |
| ECR-B4L 12-24/36W12-83    | 12.00 | 12.00 | 24.00 | 36.00 | 83.00  | 4     | 45.0   | 5.0    | W     | 0.35 | 0.04    | 0.10    | IC900 |
| ECR-B5L 16-32/48C16-100   | 16.00 | 16.00 | 32.00 | 48.00 | 100.00 | 5     | 45.0   | 5.0    | C     | 0.40 | 0.05    | 0.11    | IC900 |
| ECR-B5L 16-32/48W16-100   | 16.00 | 16.00 | 32.00 | 48.00 | 100.00 | 5     | 45.0   | 5.0    | W     | 0.40 | 0.05    | 0.11    | IC900 |
| ECR-B7L 20-40/60C20-110   | 20.00 | 20.00 | 40.00 | 60.00 | 110.00 | 7     | 45.0   | 5.0    | C     | 0.40 | 0.05    | 0.11    | IC900 |
| ECR-B7L 20-40/60W20-110   | 20.00 | 20.00 | 40.00 | 60.00 | 110.00 | 7     | 45.0   | 5.0    | W     | 0.40 | 0.05    | 0.11    | IC900 |

First choice in roughing applications.