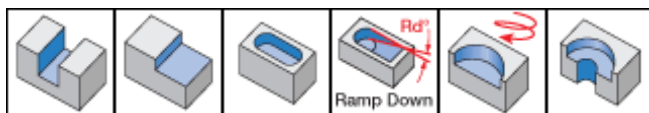
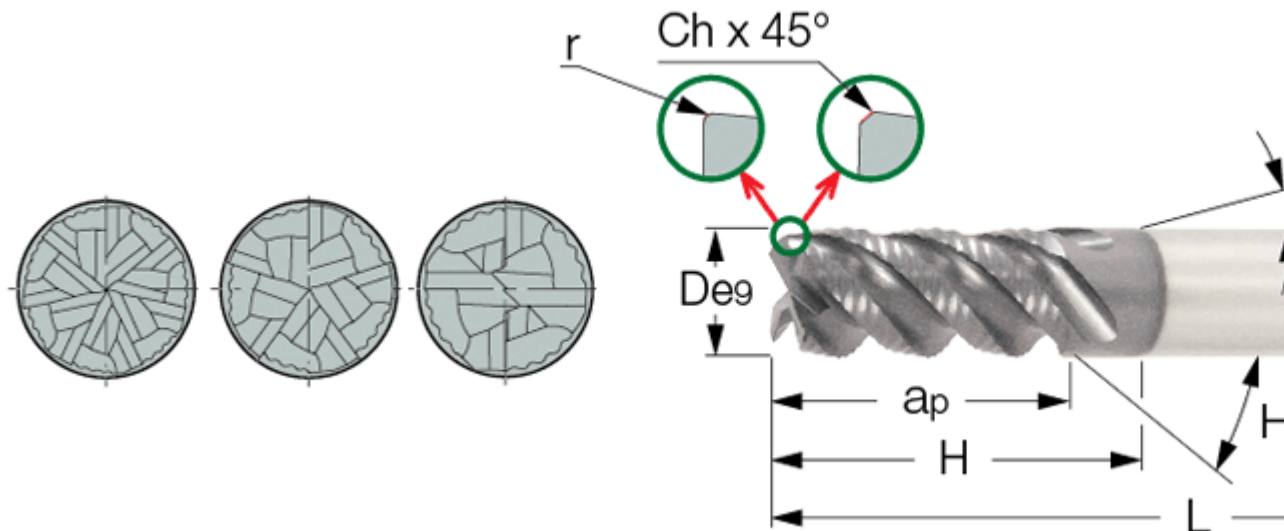


**ECR-B-M/ECR-B-M...R** : 4-7 flute, 45°helix medium length (2xd) solid carbide roughing endmills. Used for high stock removal rates



| Designation             | D     | d     | ap    | H     | L     | Flute | Ha°/b> | Rd°/b> | Shank | r    | Ch   | fz(min) | fz(max) | Grade |
|-------------------------|-------|-------|-------|-------|-------|-------|--------|--------|-------|------|------|---------|---------|-------|
| ECR-B4M 05-10C06-57     | 5.00  | 6.00  | 10.00 | 15.00 | 57.00 | 4     | 45.0   | 5.0    | C     | -    | 0.20 | 0.02    | 0.05    | IC900 |
| ECR-B4M 05-10W06-57     | 5.00  | 6.00  | 10.00 | 15.00 | 57.00 | 4     | 45.0   | 5.0    | W     | -    | 0.20 | 0.02    | 0.05    | IC900 |
| ECR-B4M 06-12C06-57     | 6.00  | 6.00  | 12.00 | -     | 57.00 | 4     | 45.0   | 5.0    | C     | -    | 0.25 | 0.03    | 0.06    | IC900 |
| ECR-B4M 06-12W06-57     | 6.00  | 6.00  | 12.00 | -     | 57.00 | 4     | 45.0   | 5.0    | W     | -    | 0.25 | 0.03    | 0.06    | IC900 |
| ECR-B4M 08-16C08-63     | 8.00  | 8.00  | 16.00 | -     | 63.00 | 4     | 45.0   | 5.0    | C     | -    | 0.25 | 0.03    | 0.08    | IC900 |
| ECR-B4M 08-16W08-63     | 8.00  | 8.00  | 16.00 | -     | 63.00 | 4     | 45.0   | 5.0    | W     | -    | 0.25 | 0.03    | 0.08    | IC900 |
| ECR-B4M 10-20C10-72     | 10.00 | 10.00 | 20.00 | -     | 72.00 | 4     | 45.0   | 5.0    | C     | -    | 0.30 | 0.03    | 0.09    | IC900 |
| ECR-B4M 10-20C10-72R1.0 | 10.00 | 10.00 | 20.00 | -     | 72.00 | 4     | 45.0   | 5.0    | C     | 1.00 | -    | 0.03    | 0.09    | IC900 |
| ECR-B4M 10-20W10-72     | 10.00 | 10.00 | 20.00 | -     | 72.00 | 4     | 45.0   | 5.0    | W     | -    | 0.30 | 0.03    | 0.09    | IC900 |
| ECR-B4M 10-20W10-72R1.0 | 10.00 | 10.00 | 20.00 | -     | 72.00 | 4     | 45.0   | 5.0    | W     | 1.00 | -    | 0.03    | 0.09    | IC900 |
| ECR-B4M 12-24C12-83     | 12.00 | 12.00 | 24.00 | -     | 83.00 | 4     | 45.0   | 5.0    | C     | -    | 0.35 | 0.04    | 0.10    | IC900 |
| ECR-B4M 12-24C12-83R1.2 | 12.00 | 12.00 | 24.00 | -     | 83.00 | 4     | 45.0   | 5.0    | C     | 1.20 | -    | 0.04    | 0.10    | IC900 |
| ECR-B4M 12-24W12-83     | 12.00 | 12.00 | 24.00 | -     | 83.00 | 4     | 45.0   | 5.0    | W     | -    | 0.35 | 0.04    | 0.10    | IC900 |
| ECR-B4M 12-24W12-83R1.2 | 12.00 | 12.00 | 24.00 | -     | 83.00 | 4     | 45.0   | 5.0    | W     | 1.20 | -    | 0.04    | 0.10    | IC900 |
| ECR-B5M 16-32C16-92     | 16.00 | 16.00 | 32.00 | -     | 92.00 | 5     | 45.0   | 5.0    | C     | -    | 0.40 | 0.05    | 0.11    | IC900 |
| ECR-B5M 16-32C16-92R1.6 | 16.00 | 16.00 | 32.00 | -     | 92.00 | 5     | 45.0   | 5.0    | C     | 1.60 | -    | 0.05    | 0.11    | IC900 |
| ECR-B5M 16-32W16-92     | 16.00 | 16.00 | 32.00 | -     | 92.00 | 5     | 45.0   | 5.0    | W     | -    | 0.40 | 0.05    | 0.11    | IC900 |
| ECR-B5M 16-32W16-92R1.6 | 16.00 | 16.00 | 32.00 | -     | 92.00 | 5     | 45.0   | 5.0    | W     | 1.60 | -    | 0.05    | 0.11    | IC900 |

|                      |       |       |       |   |        |   |      |     |   |   |      |      |      |       |
|----------------------|-------|-------|-------|---|--------|---|------|-----|---|---|------|------|------|-------|
| ECR-B7M 20-40C20-104 | 20.00 | 20.00 | 40.00 | - | 104.00 | 7 | 45.0 | 5.0 | C | - | 0.40 | 0.05 | 0.11 | IC900 |
| ECR-B7M 20-40W20-104 | 20.00 | 20.00 | 40.00 | - | 104.00 | 7 | 45.0 | 5.0 | W | - | 0.40 | 0.05 | 0.11 | IC900 |

First choice in roughing applications.