



(mm)

4枚刃  
4Flutes片角公差: ± 5°  
Tolerance on angle

## EPRB○○○○-○○-C



| 商品コード<br>Item code | 在庫<br>Stock              | ボール半径<br>Ball radius | 外径<br>Tool dia. | 刃部テーパ半角<br>Taper angle on side | 刃長<br>Flute length | 大端径<br>Large edge dia. | 全長<br>Overall length | シャンク径<br>Shank dia. |
|--------------------|--------------------------|----------------------|-----------------|--------------------------------|--------------------|------------------------|----------------------|---------------------|
| EPRB0604-05-C      | <input type="checkbox"/> | 0.3                  | 0.6             | 30°                            | 4                  | 0.67                   | 50                   | 4                   |
| EPRB0606-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 6                  | 0.7                    | 50                   | 4                   |
| EPRB0604-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 4                  | 0.7                    | 50                   | 4                   |
| EPRB0606-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 6                  | 0.75                   | 50                   | 4                   |
| EPRB0604-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 4                  | 0.73                   | 50                   | 4                   |
| EPRB0606-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 6                  | 0.8                    | 50                   | 4                   |
| EPRB0604-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 4                  | 0.79                   | 50                   | 4                   |
| EPRB0606-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 6                  | 0.9                    | 50                   | 4                   |
| EPRB0604-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 4                  | 0.86                   | 50                   | 4                   |
| EPRB0606-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 6                  | 1                      | 50                   | 4                   |
| EPRB0806-05-C      | <input type="checkbox"/> | 0.4                  | 0.8             | 30°                            | 6                  | 0.9                    | 50                   | 4                   |
| EPRB0808-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 8                  | 0.93                   | 50                   | 4                   |
| EPRB0810-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 10                 | 0.97                   | 50                   | 4                   |
| EPRB0806-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 6                  | 0.95                   | 50                   | 4                   |
| EPRB0808-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 8                  | 1                      | 50                   | 4                   |
| EPRB0810-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 10                 | 1.05                   | 50                   | 4                   |
| EPRB0806-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 6                  | 1                      | 50                   | 4                   |
| EPRB0808-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 8                  | 1.07                   | 50                   | 4                   |
| EPRB0810-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 10                 | 1.14                   | 50                   | 4                   |
| EPRB0806-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 6                  | 1.09                   | 50                   | 4                   |
| EPRB0808-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 8                  | 1.2                    | 50                   | 4                   |
| EPRB0810-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 10                 | 1.3                    | 50                   | 4                   |
| EPRB0806-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 6                  | 1.19                   | 50                   | 4                   |
| EPRB0808-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 8                  | 1.33                   | 50                   | 4                   |
| EPRB0810-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 10                 | 1.47                   | 50                   | 4                   |
| EPRB1008-05-C      | <input type="checkbox"/> | 0.5                  | 1               | 30°                            | 8                  | 1.13                   | 50                   | 4                   |
| EPRB1010-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 10                 | 1.17                   | 50                   | 4                   |
| EPRB1012-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 12                 | 1.2                    | 50                   | 4                   |
| EPRB1016-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 16                 | 1.27                   | 50                   | 4                   |
| EPRB1008-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 8                  | 1.2                    | 50                   | 4                   |
| EPRB1010-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 10                 | 1.25                   | 50                   | 4                   |
| EPRB1012-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 12                 | 1.3                    | 50                   | 4                   |
| EPRB1008-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 8                  | 1.26                   | 50                   | 4                   |
| EPRB1010-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 10                 | 1.33                   | 50                   | 4                   |
| EPRB1012-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 12                 | 1.4                    | 50                   | 4                   |
| EPRB1016-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 16                 | 1.54                   | 50                   | 4                   |
| EPRB1008-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 8                  | 1.39                   | 50                   | 4                   |
| EPRB1010-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 10                 | 1.5                    | 50                   | 4                   |
| EPRB1012-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 12                 | 1.6                    | 50                   | 4                   |
| EPRB1016-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 16                 | 1.81                   | 50                   | 4                   |
| EPRB1008-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 8                  | 1.53                   | 50                   | 4                   |
| EPRB1010-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 10                 | 1.66                   | 50                   | 4                   |
| EPRB1012-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 12                 | 1.8                    | 50                   | 4                   |
| EPRB1016-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 16                 | 2.08                   | 50                   | 4                   |
| EPRB1206-05-C      | <input type="checkbox"/> | 0.6                  | 1.2             | 30°                            | 6                  | 1.29                   | 50                   | 4                   |
| EPRB1208-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 8                  | 1.33                   | 50                   | 4                   |
| EPRB1210-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 10                 | 1.37                   | 50                   | 4                   |
| EPRB1212-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 12                 | 1.4                    | 50                   | 4                   |
| EPRB1216-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 16                 | 1.47                   | 50                   | 4                   |
| EPRB1220-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 20                 | 1.54                   | 60                   | 4                   |
| EPRB1208-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 8                  | 1.39                   | 50                   | 4                   |
| EPRB1210-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 10                 | 1.45                   | 50                   | 4                   |
| EPRB1212-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 12                 | 1.5                    | 50                   | 4                   |
| EPRB1216-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 16                 | 1.6                    | 50                   | 4                   |
| EPRB1206-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 6                  | 1.39                   | 50                   | 4                   |
| EPRB1208-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 8                  | 1.46                   | 50                   | 4                   |
| EPRB1210-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 10                 | 1.53                   | 50                   | 4                   |
| EPRB1212-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 12                 | 1.6                    | 50                   | 4                   |
| EPRB1216-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 16                 | 1.74                   | 50                   | 4                   |
| EPRB1220-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 20                 | 1.88                   | 60                   | 4                   |
| EPRB1206-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 6                  | 1.48                   | 50                   | 4                   |
| EPRB1208-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 8                  | 1.59                   | 50                   | 4                   |
| EPRB1210-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 10                 | 1.69                   | 50                   | 4                   |
| EPRB1212-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 12                 | 1.8                    | 50                   | 4                   |

| 商品コード<br>Item code | 在庫<br>Stock              | ボール半径<br>Ball radius | 外径<br>Tool dia. | 刃部テーパ半角<br>Taper angle on side | 刃長<br>Flute length | 大端径<br>Large edge dia. | 全長<br>Overall length | シャンク径<br>Shank dia. |
|--------------------|--------------------------|----------------------|-----------------|--------------------------------|--------------------|------------------------|----------------------|---------------------|
| EPRB1216-15-C      | <input type="checkbox"/> | 0.6                  | 1.2             | 1° 30'                         | 16                 | 2.01                   | 50                   | 4                   |
| EPRB1206-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 6                  | 1.58                   | 50                   | 4                   |
| EPRB1208-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 8                  | 1.72                   | 50                   | 4                   |
| EPRB1210-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 10                 | 1.86                   | 50                   | 4                   |
| EPRB1212-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 12                 | 2                      | 50                   | 4                   |
| EPRB1216-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 16                 | 2.28                   | 50                   | 4                   |
| EPRB1220-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 20                 | 2.56                   | 60                   | 4                   |
| EPRB1508-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 8                  | 1.63                   | 50                   | 4                   |
| EPRB1510-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 10                 | 1.66                   | 50                   | 4                   |
| EPRB1512-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 12                 | 1.7                    | 50                   | 4                   |
| EPRB1516-05-C      | <input type="checkbox"/> | 0.75                 | 1.5             | 30°                            | 16                 | 1.77                   | 50                   | 4                   |
| EPRB1520-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 20                 | 1.84                   | 60                   | 4                   |
| EPRB1508-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 8                  | 1.69                   | 50                   | 4                   |
| EPRB1510-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 10                 | 1.74                   | 50                   | 4                   |
| EPRB1512-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 12                 | 1.8                    | 50                   | 4                   |
| EPRB1516-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 16                 | 1.9                    | 50                   | 4                   |
| EPRB1520-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 20                 | 2                      | 60                   | 4                   |
| EPRB1508-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 8                  | 1.75                   | 50                   | 4                   |
| EPRB1510-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 10                 | 1.82                   | 50                   | 4                   |
| EPRB1512-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 12                 | 1.9                    | 50                   | 4                   |
| EPRB1516-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 16                 | 2.03                   | 50                   | 4                   |
| EPRB1520-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 20                 | 2.17                   | 60                   | 4                   |
| EPRB1508-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 8                  | 1.88                   | 50                   | 4                   |
| EPRB1510-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 10                 | 1.99                   | 50                   | 4                   |
| EPRB1512-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 12                 | 2.09                   | 50                   | 4                   |
| EPRB1516-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 16                 | 2.3                    | 50                   | 4                   |
| EPRB1520-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 20                 | 2.51                   | 60                   | 4                   |
| EPRB1508-20-C      | <input type="checkbox"/> | 0.8                  | 1.6             | 2°                             | 8                  | 2.01                   | 50                   | 4                   |
| EPRB1510-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 10                 | 2.15                   | 50                   | 4                   |
| EPRB1512-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 12                 | 2.29                   | 50                   | 4                   |
| EPRB1516-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 16                 | 2.57                   | 50                   | 4                   |
| EPRB1520-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 20                 | 2.85                   | 60                   | 4                   |
| EPRB1608-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 8                  | 1.73                   | 50                   | 4                   |
| EPRB1610-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 10                 | 1.76                   | 50                   | 4                   |
| EPRB1612-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 12                 | 1.8                    | 50                   | 4                   |
| EPRB1616-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 16                 | 1.87                   | 50                   | 4                   |
| EPRB1620-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 20                 | 1.94                   | 60                   | 4                   |
| EPRB1608-07-C      | <input type="checkbox"/> | 0.9                  | 1.8             | 45°                            | 8                  | 1.79                   | 50                   | 4                   |
| EPRB1610-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 10                 | 1.84                   | 50                   | 4                   |
| EPRB1612-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 12                 | 1.89                   | 50                   | 4                   |
| EPRB1616-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 16                 | 2                      | 50                   | 4                   |
| EPRB1620-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 20                 | 2.1                    | 60                   | 4                   |
| EPRB1608-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 8                  | 1.85                   | 50                   | 4                   |
| EPRB1610-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 10                 | 1.92                   | 50                   | 4                   |
| EPRB1612-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 12                 | 1.99                   | 50                   | 4                   |
| EPRB1616-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 16                 | 2.13                   | 50                   | 4                   |
| EPRB1620-10-C      | <input type="checkbox"/> |                      |                 | 1°                             | 20                 | 2.27                   | 60                   | 4                   |
| EPRB1608-15-C      | <input type="checkbox"/> | 0.9                  | 1.8             | 1° 30'                         | 8                  | 1.98                   | 50                   | 4                   |
| EPRB1610-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 10                 | 2.08                   | 50                   | 4                   |
| EPRB1612-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 12                 | 2.19                   | 50                   | 4                   |
| EPRB1616-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 16                 | 2.4                    | 50                   | 4                   |
| EPRB1620-15-C      | <input type="checkbox"/> |                      |                 | 1° 30'                         | 20                 | 2.61                   | 60                   | 4                   |
| EPRB1608-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 8                  | 2.1                    | 50                   | 4                   |
| EPRB1610-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 10                 | 2.24                   | 50                   | 4                   |
| EPRB1612-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 12                 | 2.38                   | 50                   | 4                   |
| EPRB1616-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 16                 | 2.66                   | 50                   | 4                   |
| EPRB1620-20-C      | <input type="checkbox"/> |                      |                 | 2°                             | 20                 | 2.94                   | 60                   | 4                   |
| EPRB1808-05-C      | <input type="checkbox"/> | 0.9                  | 1.8             | 30°                            | 8                  | 1.92                   | 50                   | 4                   |
| EPRB1810-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 10                 | 1.96                   | 50                   | 4                   |
| EPRB1812-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 12                 | 1.99                   | 50                   | 4                   |
| EPRB1816-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 16                 | 2.06                   | 50                   | 4                   |
| EPRB1820-05-C      | <input type="checkbox"/> |                      |                 | 30°                            | 20                 | 2.13                   | 60                   | 4                   |
| EPRB1808-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 8                  | 1.99                   | 50                   | 4                   |
| EPRB1810-07-C      | <input type="checkbox"/> |                      |                 | 45°                            | 10                 | 2.04                   | 50                   | 4                   |

□印: 特定代理店在庫です。弊社営業へお問合せください。□: Stocked by specified distributor. Contact with our sales department.

# EPRB○○○○-○○-C

| 商品コード<br>Item code | 在庫<br>Stock              | 寸法 Size (mm)          |                 |                                |                    |                        |                      |                     |
|--------------------|--------------------------|-----------------------|-----------------|--------------------------------|--------------------|------------------------|----------------------|---------------------|
|                    |                          | ボール半径R<br>Ball radius | 外径<br>Tool dia. | 刃部テーパ半角<br>Taper angle on side | 刃長<br>Flute length | 大端径<br>Large edge dia. | 全長<br>Overall length | シャンク径<br>Shank dia. |
| EPRB1812-07-C      | <input type="checkbox"/> | 0.9                   | 1.8             | 45°                            | 12                 | 2.09                   | 50                   | 4                   |
| EPRB1816-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 16                 | 2.2                    | 50                   | 4                   |
| EPRB1820-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 20                 | 2.3                    | 60                   | 4                   |
| EPRB1808-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 8                  | 2.05                   | 50                   | 4                   |
| EPRB1810-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 10                 | 2.12                   | 50                   | 4                   |
| EPRB1812-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 12                 | 2.19                   | 50                   | 4                   |
| EPRB1816-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 16                 | 2.34                   | 50                   | 4                   |
| EPRB1820-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 20                 | 2.47                   | 60                   | 4                   |
| EPRB1808-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 8                  | 2.17                   | 50                   | 4                   |
| EPRB1810-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 10                 | 2.28                   | 50                   | 4                   |
| EPRB1812-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 12                 | 2.38                   | 50                   | 4                   |
| EPRB1816-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 16                 | 2.59                   | 50                   | 4                   |
| EPRB1820-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 20                 | 2.8                    | 60                   | 4                   |
| EPRB1808-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 8                  | 2.3                    | 50                   | 4                   |
| EPRB1810-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 10                 | 2.44                   | 50                   | 4                   |
| EPRB1812-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 12                 | 2.58                   | 50                   | 4                   |
| EPRB1816-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 16                 | 2.86                   | 50                   | 4                   |
| EPRB1820-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 20                 | 3.14                   | 60                   | 4                   |
| EPRB2010-05-C      | <input type="checkbox"/> | 1                     | 2               | 30°                            | 10                 | 2.16                   | 50                   | 4                   |
| EPRB2012-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 12                 | 2.19                   | 50                   | 4                   |
| EPRB2016-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 16                 | 2.26                   | 50                   | 4                   |
| EPRB2020-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 20                 | 2.33                   | 60                   | 4                   |
| EPRB2025-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 25                 | 2.42                   | 60                   | 4                   |
| EPRB2010-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 10                 | 2.24                   | 50                   | 4                   |
| EPRB2012-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 12                 | 2.29                   | 50                   | 4                   |
| EPRB2016-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 16                 | 2.39                   | 50                   | 4                   |
| EPRB2020-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 20                 | 2.5                    | 60                   | 4                   |
| EPRB2025-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 25                 | 2.63                   | 60                   | 4                   |
| EPRB2010-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 10                 | 2.31                   | 50                   | 4                   |
| EPRB2012-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 12                 | 2.38                   | 50                   | 4                   |
| EPRB2016-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 16                 | 2.52                   | 50                   | 4                   |
| EPRB2020-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 20                 | 2.66                   | 60                   | 4                   |
| EPRB2025-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 25                 | 2.84                   | 60                   | 4                   |
| EPRB2010-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 10                 | 2.47                   | 50                   | 4                   |
| EPRB2012-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 12                 | 2.58                   | 50                   | 4                   |
| EPRB2016-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 16                 | 2.79                   | 50                   | 4                   |
| EPRB2020-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 20                 | 3                      | 60                   | 4                   |
| EPRB2025-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 25                 | 3.26                   | 60                   | 4                   |
| EPRB2010-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 10                 | 2.63                   | 50                   | 4                   |
| EPRB2012-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 12                 | 2.77                   | 50                   | 4                   |
| EPRB2016-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 16                 | 3.05                   | 50                   | 4                   |
| EPRB2020-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 20                 | 3.33                   | 60                   | 4                   |
| EPRB2025-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 25                 | 3.68                   | 60                   | 4                   |

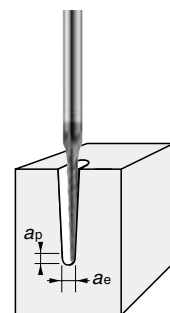
| 商品コード<br>Item code | 在庫<br>Stock              | 寸法 Size (mm)          |                 |                                |                    |                        |                      |                     |
|--------------------|--------------------------|-----------------------|-----------------|--------------------------------|--------------------|------------------------|----------------------|---------------------|
|                    |                          | ボール半径R<br>Ball radius | 外径<br>Tool dia. | 刃部テーパ半角<br>Taper angle on side | 刃長<br>Flute length | 大端径<br>Large edge dia. | 全長<br>Overall length | シャンク径<br>Shank dia. |
| EPRB2510-05-C      | <input type="checkbox"/> | 1.25                  | 2.5             | 30°                            | 10                 | 2.65                   | 50                   | 4                   |
| EPRB2512-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 12                 | 2.69                   | 50                   | 4                   |
| EPRB2516-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 16                 | 2.76                   | 50                   | 4                   |
| EPRB2520-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 20                 | 2.83                   | 60                   | 6                   |
| EPRB2525-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 25                 | 2.91                   | 60                   | 6                   |
| EPRB2530-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 30                 | 3                      | 75                   | 6                   |
| EPRB2510-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 10                 | 2.73                   | 50                   | 4                   |
| EPRB2512-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 12                 | 2.78                   | 50                   | 4                   |
| EPRB2516-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 16                 | 2.89                   | 50                   | 4                   |
| EPRB2520-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 20                 | 2.99                   | 60                   | 6                   |
| EPRB2525-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 25                 | 3.12                   | 60                   | 6                   |
| EPRB2530-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 30                 | 3.25                   | 75                   | 6                   |
| EPRB2510-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 10                 | 2.81                   | 50                   | 4                   |
| EPRB2512-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 12                 | 2.88                   | 50                   | 4                   |
| EPRB2516-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 16                 | 3.02                   | 50                   | 4                   |
| EPRB2520-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 20                 | 3.16                   | 60                   | 6                   |
| EPRB2525-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 25                 | 3.33                   | 60                   | 6                   |
| EPRB2530-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 30                 | 3.5                    | 75                   | 6                   |
| EPRB2510-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 10                 | 2.96                   | 50                   | 4                   |
| EPRB2512-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 12                 | 3.06                   | 50                   | 4                   |
| EPRB2516-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 16                 | 3.27                   | 50                   | 4                   |
| EPRB2520-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 20                 | 3.48                   | 60                   | 6                   |
| EPRB2525-15-C      | <input type="checkbox"/> | 1.5                   | 3               | 1° 30'                         | 25                 | 3.74                   | 60                   | 6                   |
| EPRB2530-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 30                 | 4.01                   | 75                   | 6                   |
| EPRB2510-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 10                 | 3.11                   | 50                   | 4                   |
| EPRB2512-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 12                 | 3.25                   | 50                   | 4                   |
| EPRB2516-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 16                 | 3.53                   | 50                   | 4                   |
| EPRB2520-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 20                 | 3.81                   | 60                   | 6                   |
| EPRB2525-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 25                 | 4.16                   | 60                   | 6                   |
| EPRB2530-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 30                 | 4.51                   | 75                   | 6                   |
| EPRB2520-30-C      | <input type="checkbox"/> |                       |                 | 3°                             | 20                 | 4.47                   | 60                   | 6                   |
| EPRB2530-30-C      | <input type="checkbox"/> |                       |                 | 3°                             | 30                 | 5.51                   | 75                   | 6                   |
| EPRB3025-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 25                 | 3.41                   | 60                   | 6                   |
| EPRB3040-05-C      | <input type="checkbox"/> |                       |                 | 30°                            | 40                 | 3.67                   | 75                   | 6                   |
| EPRB3025-07-C      | <input type="checkbox"/> |                       |                 | 45°                            | 25                 | 3.61                   | 60                   | 6                   |
| EPRB3025-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 25                 | 3.81                   | 60                   | 6                   |
| EPRB3040-10-C      | <input type="checkbox"/> |                       |                 | 1°                             | 40                 | 4.34                   | 75                   | 6                   |
| EPRB3025-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 25                 | 4.23                   | 60                   | 6                   |
| EPRB3040-15-C      | <input type="checkbox"/> |                       |                 | 1° 30'                         | 40                 | 5.02                   | 75                   | 6                   |
| EPRB3025-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 25                 | 4.64                   | 60                   | 6                   |
| EPRB3040-20-C      | <input type="checkbox"/> |                       |                 | 2°                             | 40                 | 5.69                   | 75                   | 6                   |
| EPRB3025-30-C      | <input type="checkbox"/> |                       |                 | 3°                             | 25                 | 5.46                   | 60                   | 6                   |
| EPRB3040-30-C      | <input type="checkbox"/> |                       |                 | 3°                             | 40                 | 7.04                   | 80                   | 8                   |

Carbide End Mills  
Stocked by Specified distributor

## 標準切削条件表 Recommended cutting conditions

EPRB-C

| 切削条件<br>Cutting conditions<br>ボール半径R<br>× 外径DC mm | 切込み(a <sub>p</sub> )<br>Depth of cut<br>mm/pass | 切削速度(v <sub>c</sub> ) 50~75m/min<br>Cutting speed | 送り速度(v <sub>f</sub> )<br>Feed speed<br>mm/min |
|---------------------------------------------------|-------------------------------------------------|---------------------------------------------------|-----------------------------------------------|
|                                                   |                                                 | 回転数(n) min <sup>-1</sup><br>Revolution            |                                               |
| RE0.3×0.6                                         | 0.01~0.05                                       | 20,000~30,000                                     | 200~ 800                                      |
| RE0.4×0.8                                         | 0.01~0.06                                       | 12,000~28,000                                     | 200~1,000                                     |
| RE0.5×1.0                                         | 0.03~0.08                                       | 10,000~22,000                                     | 300~1,000                                     |
| RE0.6×1.2                                         | 0.04~0.09                                       | 8,000~19,000                                      | 300~1,000                                     |
| RE0.75×1.5                                        | 0.06~0.12                                       | 6,400~15,000                                      | 300~1,000                                     |
| RE0.8×1.6                                         | 0.06~0.13                                       | 6,000~14,000                                      | 300~1,000                                     |
| RE0.9×1.8                                         | 0.07~0.15                                       | 5,300~12,400                                      | 400~1,000                                     |
| RE1×2.0                                           | 0.07~0.2                                        | 4,800~11,000                                      | 400~1,000                                     |
| RE1.25×2.5                                        | 0.08~0.25                                       | 3,800~ 8,900                                      | 400~1,000                                     |
| RE1.5×3.0                                         | 0.09~0.3                                        | 3,200~ 7,400                                      | 400~1,000                                     |



a<sub>e</sub> = DC  
a<sub>p</sub> = 表参照

- 【注意】** ① 溝深さの浅い場合は刃長の短いエンドミルをご使用ください。  
 ② コーナ部の加工は送り速度を約1/2に、軸方向送りは1/5以下を目安にしてください。  
 ③ この標準切削条件表は切削条件の目安を示すものです。実際の加工では加工形状、目的、使用機械等により条件を調整してください。  
 ④ 切削油（できるだけ油性切削油）をご使用ください。

- 【Note】** ① Use short length for shallow slots.  
 ② Reduce the feed speed at the table to 50% at the corner and 1/5 at plunging.  
 ③ These Recommended Cutting Conditions indicate only the rule of a thumb for the cutting conditions. In actual machining, the condition should be adjusted according to the machining shape, purpose and the machine type.  
 ④ Oil base coolant is recommended.

## 対応被削材 Applicable work material

| 炭素鋼<br>合金鋼<br>Carbon steel<br>Alloy steel | プリハー<br>ド鋼<br>Pre-hardened<br>steel | 高硬度<br>Hardened steel |                    |         | ステン<br>レス鋼<br>Stainless<br>steel | チタン合金<br>耐熱合金<br>Titanium alloy<br>Heat-resistant<br>alloy | 銅合金<br>Copper<br>alloy | アルミ<br>合金<br>Aluminum<br>alloy |
|-------------------------------------------|-------------------------------------|-----------------------|--------------------|---------|----------------------------------|------------------------------------------------------------|------------------------|--------------------------------|
| ○                                         | ○                                   | > 45HRC<br>≤ 55HRC    | > 55HRC<br>≤ 65HRC | > 65HRC | ○                                | ○                                                          | ○                      | ○                              |