

ハイステーパーボールシリーズ HSS Taper Ball nose Series

2刃 ロング

2 Flutes*Long

TPBDL



●マークの説明はP1をご覧ください。 See page 1 for explanation of icons.



±10'

(単位:mm) (Unit:mm)

| ツール No. EDP No. | ボール半径×刃部テーパ半角 R×θc | 全長 L | 刃長 ℓ | シャンク径 Ds | 大端径 D1 | 在庫 Stock | 標準価格 (Yen) |
|--------------------|-----------------------|---------|---------|-------------|-----------|-------------|---------------|
| | R1.25 × 3° | 110 | | 10 | 8.66 | | |
| | R1.25 × 4° | | 60 | 12 | 10.72 | | |
| | R1.25 × 5° | 117 | | | 12.79 | | |
| | R1.5 × 0.5° | 78 | 34 | | 3.57 | | |
| | R1.5 × 1° | | 45 | 6 | 4.52 | | |
| | R1.5 × 1.5° | 89 | | | 5.28 | | |
| | R1.5 × 2° | 104 | | 8 | 7.09 | | |
| | R1.5 × 2.5° | | 60 | 10 | 8.11 | | |
| | R1.5 × 3° | 110 | | | 9.14 | | |
| | R1.5 × 4° | | 117 | 12 | 11.19 | | |
| | R1.5 × 5° | | | | 13.25 | | |
| | R2 × 0.5° | 84 | 40 | 6 | 4.66 | | |
| | R2 × 1° | | 53 | 8 | 5.78 | | |
| | R2 × 1.5° | 97 | | 10 | 6.67 | | |
| | R2 × 2° | 121 | | 12 | 8.82 | | |
| | R2 × 2.5° | | 71 | 12 | 10.03 | | |
| | R2 × 3° | 128 | | 12 | 11.24 | | |
| | R2 × 4° | | | | 13.66 | | |
| | R2 × 5° | 131 | | 16 | 16.09 | | |
| | R2 × 6° | 171 | | 25 | 23.57 | | |
| | R2 × 7° | | 95 | 42 | 26.87 | | |
| | R2 × 10° | 187 | | 6 | 36.86 | | |
| | R2.5 × 0.5° | 92 | 48 | 8 | 6.79 | | |
| | R2.5 × 1° | 107 | | 10 | 7.11 | | |
| | R2.5 × 1.5° | 113 | 63 | 12 | 8.17 | | |
| | R2.5 × 2° | | | | 10.76 | | |
| | R2.5 × 2.5° | 142 | | 12 | 12.21 | | |
| | R2.5 × 3° | | 85 | 12 | 13.65 | | |
| | R2.5 × 4° | 145 | | 16 | 16.55 | | |
| | R2.5 × 5° | 151 | | 20 | 19.45 | | |
| | R2.5 × 6° | 188 | | 25 | 28.05 | | |
| | R2.5 × 7° | 192 | | 32 | 31.93 | | |
| | R2.5 × 10° | 204 | 112 | 42 | 43.69 | | |
| | R3 × 0.5° | 92 | 48 | 8 | 6.79 | | |
| | R3 × 1° | | 63 | 10 | 8.1 | | |
| | R3 × 1.5° | 113 | | | 9.14 | | |
| | R3 × 2° | | | | 11.73 | | |
| | R3 × 2.5° | 142 | | 12 | 13.17 | | |
| | R3 × 3° | | 85 | 12 | 14.6 | | |
| | R3 × 4° | 145 | | 16 | 17.48 | | |
| | R3 × 5° | 151 | | 20 | 20.37 | | |
| | R3 × 6° | 188 | | 25 | 28.95 | | |
| | R3 × 7° | 192 | | 32 | 32.81 | | |
| | R3 × 10° | 204 | 112 | 42 | 44.53 | | |
| | R4 × 0.5° | 106 | 56 | 10 | 8.91 | | |
| | R4 × 1° | | 75 | | 10.48 | | |
| | R4 × 1.5° | 132 | | 12 | 11.72 | | |
| | R4 × 2° | 157 | | | 14.71 | | |
| | R4 × 2.5° | 160 | 100 | 16 | 16.39 | | |

(単位:mm) (Unit:mm)

| ツール No. EDP No. | ボール半径×刃部テーパ半角 R×θc | 全長 L | 刃長 ℓ | シャンク径 Ds | 大端径 D1 | 在庫 Stock | 標準価格 (Yen) |
|--------------------|-----------------------|---------|---------|-------------|-----------|-------------|---------------|
| | R 4 × 3° | 160 | | 16 | 18.07 | | |
| | R 4 × 4° | | 100 | 20 | 21.45 | | |
| | R 4 × 5° | 176 | | 25 | 24.83 | | |
| | R 4 × 6° | 212 | | 32 | 34.95 | | |
| | R 4 × 7° | | 224 | 42 | 39.49 | | |
| | R 4 × 10° | | | | 53.26 | | |
| | R 5 × 0.5° | 113 | 56 | | 10.89 | | |
| | R 5 × 1° | | 132 | 12 | 12.45 | | |
| | R 5 × 1.5° | 132 | 75 | | 13.67 | | |
| | R 5 × 2° | | 160 | 16 | 16.64 | | |
| | R 5 × 2.5° | | | | 18.31 | | |
| | R 5 × 3° | 166 | 100 | 20 | 19.97 | | |
| | R 5 × 4° | | | 25 | 23.31 | | |
| | R 5 × 5° | 176 | | 25 | 26.66 | | |
| | R 5 × 6° | | | | 36.75 | | |
| | R 5 × 7° | 224 | 132 | 42 | 41.26 | | |
| | R 5 × 10° | | | | 54.94 | | |
| | R 6 × 0.5° | 124 | 67 | 12 | 13.07 | | |
| | R 6 × 1° | | | | 14.93 | | |
| | R 6 × 1.5° | 150 | 90 | 16 | 16.4 | | |
| | R 6 × 2° | | | | 19.83 | | |
| | R 6 × 2.5° | 184 | | 20 | 21.79 | | |
| | R 6 × 3° | | 118 | 25 | 23.76 | | |
| | R 6 × 4° | 194 | | 25 | 27.69 | | |
| | R 6 × 5° | | | 32 | 31.64 | | |
| | R 6 × 6° | | | | 44.44 | | |
| | R 6 × 7° | 252 | 160 | 42 | 49.91 | | |
| | R 6 × 10° | | | | 66.49 | | |
| | R 8 × 0.5° | 127 | 67 | 16 | 17.03 | | |
| | R 8 × 1° | | | | 18.87 | | |
| | R 8 × 1.5° | 156 | 90 | 20 | 20.3 | | |
| | R 8 × 2° | | | | 23.69 | | |
| | R 8 × 2.5° | 194 | | 25 | 25.62 | | |
| | R 8 × 3° | | 118 | | 27.55 | | |
| | R 8 × 4° | | | 32 | 31.42 | | |
| | R 8 × 5° | 198 | | | 35.31 | | |
| | R 8 × 6° | | | | 48.04 | | |
| | R 8 × 7° | 252 | 160 | 42 | 53.45 | | |
| | R 8 × 10° | | | | 69.85 | | |
| | R10 × 0.5° | 146 | 80 | 20 | 21.22 | | |
| | R10 × 1° | | | | 23.35 | | |
| | R10 × 1.5° | 182 | 106 | 25 | 25.03 | | |
| | R10 × 2° | | | | 29.09 | | |
| | R10 × 2.5° | 216 | | 32 | 31.37 | | |
| | R10 × 3° | | 140 | | 33.65 | | |
| | R10 × 4° | 232 | | | 38.23 | | |
| | R10 × 5° | | | 42 | 42.82 | | |
| | R10 × 6° | 252 | 160 | | 51.64 | | |
| | R10 × 7° | 255 | 163 | | 57.72 | | |

シャンク径25mm以上は2面平切り付け付きシャンクです。

Shank Dia.≥25mm : Shank with two flat face.

切削油剤はP261をご参照下さい。 Cutting Fluid:Please refer to P261.

A, B, C, D=標準在庫品 A, B, C, D=Standard stock item.

□=特定代理店在庫品 □=Stocked by specific distributors. Contact us for price & availability.