

ミスミ

XAL SERIES SOLID CARBIDE LONG NECK BALL NOSE END MILLS

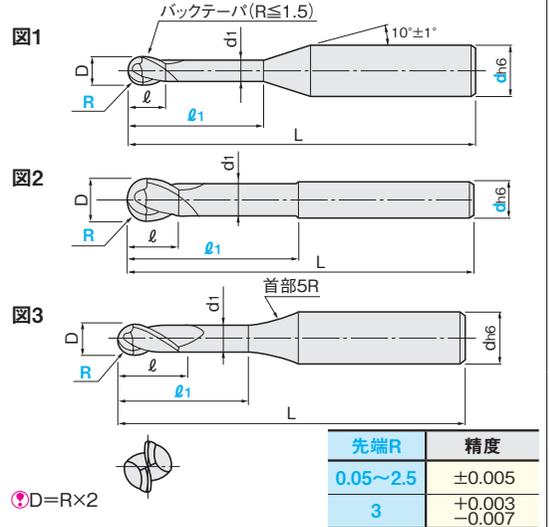
XALシリーズ超硬ロングネックボールエンドミル

●2枚刃/ロングネックタイプ -2 FLUTES / LONG NECK-

XAL-BEM2LB (在庫品)



LN-XAL-BEM2S (製作品) / 首下長自由指定タイプ



|                              |                            |                          |        |        |                         |   |              |       |       |     |        |    |  |  |  |  |
|------------------------------|----------------------------|--------------------------|--------|--------|-------------------------|---|--------------|-------|-------|-----|--------|----|--|--|--|--|
| 材質                           | MG 超硬 XAL                  |                          |        |        |                         |   |              |       |       |     |        |    |  |  |  |  |
| 仕様                           | スタブ (在庫品)                  | ショート (製作品)               | 30°    |        |                         |   |              |       |       |     |        |    |  |  |  |  |
| 一般鋼・合金鋼 (S45C~S55C, SS, SCM) | 調質鋼 (PX, NAK, HPM, STAVAX) | 高硬度鋼 (SKD, DAC, DC, SKH) |        |        | ステンレス鋼 (SUS303, SUS304) |   | 鋳鉄 (FC, FCD) | アルミ合金 | チタン合金 | 銅合金 | グラファイト | 樹脂 |  |  |  |  |
| ~40HRC                       | ~45HRC                     | ~55HRC                   | ~60HRC | ~65HRC | ~35HRC                  |   |              |       |       |     |        |    |  |  |  |  |
| ○                            | ○                          |                          |        |        | ○                       | ○ | ○            | ○     | ○     | ○   | ○      | ○  |  |  |  |  |

○=最適 ○=適

型番 XAL-BEM2LB (在庫品)

1本単位

| 先端 R | 首下長 l1 | シャンク径 d | シャンク径 d | 刃長 l | 首下径 d1 | 全長 L  | 首下角 θ | ワーク配角に対する実有効長 |      |        |      |      | 図     | ¥通常単価 |       |        |       |
|------|--------|---------|---------|------|--------|-------|-------|---------------|------|--------|------|------|-------|-------|-------|--------|-------|
|      |        |         |         |      |        |       |       | 30'           | 1°   | 1° 30' | 2°   | 3°   |       | 1~4本  | 5~9本  | 10~29本 | 30本~  |
| 0.05 | 0.2    | -       | 4       | 0.07 | 0.085  | 50    | 10°   | 0.20          | 0.21 | 0.22   | 0.23 | 0.25 | 1     | 3,320 | 3,155 | 3,056  | 2,825 |
|      | 0.31   |         |         |      |        |       |       | 0.32          | 0.33 | 0.35   | 0.37 | 1    | 3,320 | 3,155 | 3,056 | 2,825  |       |
|      | 0.52   |         |         |      |        |       |       | 0.54          | 0.56 | 0.58   | 0.63 | 1    | 3,580 | 3,404 | 3,294 | 3,042  |       |
| 0.1  | 0.3    | -       | 4       | 0.15 | 0.18   | 50    | 10°   | 0.31          | 0.32 | 0.33   | 0.35 | 0.37 | 1     | 2,640 | 2,508 | 2,431  | 2,244 |
|      | 0.52   |         |         |      |        |       |       | 0.54          | 0.56 | 0.58   | 0.63 | 1    | 2,470 | 2,349 | 2,272 | 2,097  |       |
|      | 0.78   |         |         |      |        |       |       | 0.81          | 0.84 | 0.88   | 0.94 | 1    | 2,310 | 2,200 | 2,123 | 1,969  |       |
|      | 1.04   |         |         |      |        |       |       | 1.08          | 1.13 | 1.17   | 1.26 | 1    | 2,310 | 2,200 | 2,123 | 1,969  |       |
|      | 1.30   |         |         |      |        |       |       | 1.36          | 1.41 | 1.47   | 1.58 | 1    | 2,500 | 2,380 | 2,303 | 2,127  |       |
|      | 1.56   |         |         |      |        |       |       | 1.63          | 1.69 | 1.76   | 1.89 | 1    | 2,500 | 2,380 | 2,303 | 2,127  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 2,770 | 2,627 | 2,550 | 2,352  |       |
|      | 2.61   |         |         |      |        |       |       | 2.72          | 2.83 | 2.94   | 3.16 | 1    | 3,020 | 2,866 | 2,778 | 2,570  |       |
|      | 3.13   |         |         |      |        |       |       | 3.26          | 3.39 | 3.52   | 3.79 | 1    | 3,250 | 3,085 | 2,986 | 2,767  |       |
|      | 0.5    |         |         |      |        |       |       | -             | 4    | 0.2    | 0.28 | 50   | 10°   | 0.52  | 0.54  | 0.56   | 0.58  |
| 0.62 | 0.65   | 0.67    | 0.70    | 0.75 | 1      | 2,280 | 2,170 |               |      |        |      |      |       | 2,094 | 1,940 |        |       |
| 0.78 | 0.81   | 0.84    | 0.88    | 0.98 | 1      | 3,170 | 3,017 |               |      |        |      |      |       | 2,918 | 2,698 |        |       |
| 1.04 | 1.08   | 1.13    | 1.17    | 1.26 | 1      | 2,280 | 2,170 |               |      |        |      |      |       | 2,094 | 1,940 |        |       |
| 1.02 | 1.05   | 1.08    | 1.11    | 1.16 | 1      | 2,780 | 2,637 |               |      |        |      |      |       | 2,560 | 2,362 |        |       |
| 1.56 | 1.63   | 1.69    | 1.76    | 1.89 | 1      | 2,440 | 2,319 |               |      |        |      |      |       | 2,242 | 2,077 |        |       |
| 2.08 | 2.17   | 2.26    | 2.35    | 2.52 | 1      | 2,440 | 2,319 |               |      |        |      |      |       | 2,242 | 2,077 |        |       |
| 2.61 | 2.72   | 2.83    | 2.94    | 3.16 | 1      | 2,500 | 2,380 |               |      |        |      |      |       | 2,303 | 2,127 |        |       |
| 3.13 | 3.26   | 3.39    | 3.52    | 3.79 | 1      | 2,500 | 2,380 |               |      |        |      |      |       | 2,303 | 2,127 |        |       |
| 4.17 | 4.35   | 4.52    | 4.70    | 5.05 | 1      | 2,600 | 2,468 |               |      |        |      |      |       | 2,391 | 2,205 |        |       |
| 0.15 | 0.5    | 6       | 6       | 0.2  | 0.28   | 50    | 15°   | 0.52          | 0.54 | 0.56   | 0.58 | 0.63 | 1     | 1,560 | 1,483 | 1,439  | 1,329 |
|      | 0.78   |         |         |      |        |       |       | 0.81          | 0.84 | 0.88   | 0.94 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.04   |         |         |      |        |       |       | 1.08          | 1.13 | 1.17   | 1.26 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.02   |         |         |      |        |       |       | 1.05          | 1.08 | 1.11   | 1.16 | 1    | 2,340 | 2,219 | 2,153 | 1,989  |       |
|      | 1.56   |         |         |      |        |       |       | 1.63          | 1.69 | 1.76   | 1.89 | 1    | 1,590 | 1,513 | 1,458 | 1,349  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 1,620 | 1,543 | 1,489 | 1,379  |       |
|      | 2.61   |         |         |      |        |       |       | 2.72          | 2.83 | 2.94   | 3.16 | 1    | 1,690 | 1,602 | 1,558 | 1,438  |       |
|      | 2.05   |         |         |      |        |       |       | 2.11          | 2.16 | 2.22   | 2.33 | 1    | 2,450 | 2,329 | 2,252 | 2,087  |       |
|      | 3.13   |         |         |      |        |       |       | 3.26          | 3.39 | 3.52   | 3.79 | 1    | 1,790 | 1,702 | 1,647 | 1,527  |       |
|      | 3.65   |         |         |      |        |       |       | 3.80          | 3.96 | 4.11   | 4.42 | 1    | 1,950 | 1,851 | 1,797 | 1,654  |       |
| 0.2  | 0.5    | -       | 4       | 0.3  | 0.37   | 50    | 10°   | 0.52          | 0.54 | 0.56   | 0.58 | 0.63 | 1     | 1,560 | 1,483 | 1,439  | 1,329 |
|      | 0.78   |         |         |      |        |       |       | 0.81          | 0.84 | 0.88   | 0.94 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.04   |         |         |      |        |       |       | 1.08          | 1.13 | 1.17   | 1.26 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.02   |         |         |      |        |       |       | 1.05          | 1.08 | 1.11   | 1.16 | 1    | 2,340 | 2,219 | 2,153 | 1,989  |       |
|      | 1.56   |         |         |      |        |       |       | 1.63          | 1.69 | 1.76   | 1.89 | 1    | 1,590 | 1,513 | 1,458 | 1,349  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 1,620 | 1,543 | 1,489 | 1,379  |       |
|      | 2.61   |         |         |      |        |       |       | 2.72          | 2.83 | 2.94   | 3.16 | 1    | 1,690 | 1,602 | 1,558 | 1,438  |       |
|      | 2.05   |         |         |      |        |       |       | 2.11          | 2.16 | 2.22   | 2.33 | 1    | 2,450 | 2,329 | 2,252 | 2,087  |       |
|      | 3.13   |         |         |      |        |       |       | 3.26          | 3.39 | 3.52   | 3.79 | 1    | 1,790 | 1,702 | 1,647 | 1,527  |       |
|      | 3.65   |         |         |      |        |       |       | 3.80          | 3.96 | 4.11   | 4.42 | 1    | 1,950 | 1,851 | 1,797 | 1,654  |       |
| 0.25 | 0.5    | -       | 4       | 0.35 | 0.46   | 50    | 10°   | 0.52          | 0.54 | 0.56   | 0.58 | 0.63 | 1     | 1,560 | 1,483 | 1,439  | 1,329 |
|      | 0.78   |         |         |      |        |       |       | 0.81          | 0.84 | 0.88   | 0.94 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.04   |         |         |      |        |       |       | 1.08          | 1.13 | 1.17   | 1.26 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.02   |         |         |      |        |       |       | 1.05          | 1.08 | 1.11   | 1.16 | 1    | 2,340 | 2,219 | 2,153 | 1,989  |       |
|      | 1.56   |         |         |      |        |       |       | 1.63          | 1.69 | 1.76   | 1.89 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 1.54   |         |         |      |        |       |       | 1.58          | 1.62 | 1.66   | 1.75 | 1    | 2,340 | 2,219 | 2,153 | 1,989  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |
|      | 2.08   |         |         |      |        |       |       | 2.17          | 2.26 | 2.35   | 2.52 | 1    | 1,560 | 1,483 | 1,439 | 1,329  |       |

●シャンク径 (d) が青色文字で表記されている規格は先端 (R)、首下長 (l1) とシャンク径 (d) をご指定ください。