

MP3XB

3枚刃エムエスプラステーパネックボールエンドミル



| | | | | | | | |
|------------------------|----------------------------|------------------|------------------|--------------------|---------------|-----|----------|
| 炭素鋼・合金鋼・鋳鉄 (<30HRC) | 工具鋼・ハードン鋼・高硬度鋼 (≤45HRC) | 高硬度鋼 (≤55HRC) | 高硬度鋼 (>55HRC) | オーステナイト系 ステンレス鋼 | チタン合金 耐熱合金 | 銅合金 | アルミニウム合金 |
| ○ | ○ | ○ | | ○ | ○ | ○ | |



ワーク勾配角に対する
実有効首下長

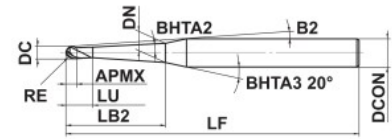
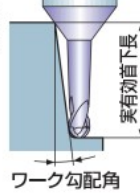


図1

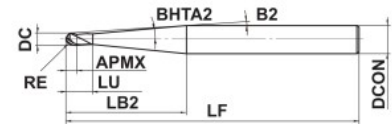


図2

| | | | | |
|----|--------------|--------------|--|--|
| R | RE ≤ 3 | RE ≥ 4 | | |
| | ±0.005 | ±0.010 | | |
| h5 | DCON=6 | DCON=8 | | |
| | 0 - 0.005 | 0 - 0.006 | | |
| h6 | DCON=10 | DCON ≥ 12 | | |
| | 0 - 0.009 | 0 - 0.011 | | |

- 鍛造型(40-52 HRC)の深彫り荒加工や中荒加工に最適です。
- 高剛性・3枚刃・強ねじれにより、高送り、高切込みの高能率加工が可能です。

(mm)

| 呼び記号 | RE | DC | BHTA2 | APMX | LB2 | LU | B2 | DN | LF | DCON | 刃数 | 在庫 | 図 | ワーク勾配角に対する 実有効首下長 | | | | 標準価格 (円) |
|-------------------|------|-----|-------|------|-----|-----|------|------|----|------|----|----|---|----------------------|------|------|------|-------------|
| | | | | | | | | | | | | | | 30° | 1° | 2° | 3° | |
| MP3XBR0050N008T05 | 0.5 | 1 | 0.5° | 0.8 | 8 | 2.3 | 9.3° | 1.04 | 60 | 6 | 3 | ● | 1 | 8.5 | 8.8 | 9.3 | 9.8 | 7,150 |
| MP3XBR0050N012T05 | 0.5 | 1 | 0.5° | 0.8 | 12 | 2.3 | 7.5° | 1.1 | 60 | 6 | 3 | ● | 1 | 12.6 | 13 | 13.6 | 14.4 | 7,700 |
| MP3XBR0050N016T05 | 0.5 | 1 | 0.5° | 0.8 | 16 | 2.3 | 6.3° | 1.18 | 60 | 6 | 3 | ● | 1 | 16.6 | 17.1 | 18 | 18.9 | 8,140 |
| MP3XBR0050N020T05 | 0.5 | 1 | 0.5° | 0.8 | 20 | 2.3 | 5.4° | 1.24 | 60 | 6 | 3 | ● | 1 | 20.6 | 21.2 | 22.3 | 23.5 | 9,020 |
| MP3XBR0050N025T05 | 0.5 | 1 | 0.5° | 0.8 | 25 | 2.3 | 4.6° | 1.34 | 70 | 6 | 3 | ● | 1 | 25.7 | 26.3 | 27.7 | 29.3 | 9,570 |
| MP3XBR0050N030T05 | 0.5 | 1 | 0.5° | 0.8 | 30 | 2.3 | 4° | 1.42 | 70 | 6 | 3 | ● | 1 | 30.7 | 31.5 | 33.1 | 35 | 10,100 |
| MP3XBR0050N050T05 | 0.5 | 1 | 0.5° | 0.8 | 50 | 2.3 | 2.6° | 1.78 | 90 | 6 | 3 | ● | 1 | 50.8 | 52.1 | 54.8 | * | 12,700 |
| MP3XBR0050N010T10 | 0.5 | 1 | 1° | 0.8 | 10 | 2.3 | 8.4° | 1.2 | 60 | 6 | 3 | ● | 1 | — | 10.6 | 11.2 | 11.8 | 7,590 |
| MP3XBR0050N016T10 | 0.5 | 1 | 1° | 0.8 | 16 | 2.3 | 6.4° | 1.42 | 60 | 6 | 3 | ● | 1 | — | 16.7 | 17.6 | 18.5 | 8,140 |
| MP3XBR0050N020T10 | 0.5 | 1 | 1° | 0.8 | 20 | 2.3 | 5.5° | 1.56 | 60 | 6 | 3 | ● | 1 | — | 20.7 | 21.8 | 23 | 9,020 |
| MP3XBR0050N025T10 | 0.5 | 1 | 1° | 0.8 | 25 | 2.3 | 4.7° | 1.74 | 70 | 6 | 3 | ● | 1 | — | 25.7 | 27.1 | 28.6 | 9,570 |
| MP3XBR0050N030T10 | 0.5 | 1 | 1° | 0.8 | 30 | 2.3 | 4.1° | 1.9 | 70 | 6 | 3 | ● | 1 | — | 30.8 | 32.4 | 34.2 | 10,100 |
| MP3XBR0050N035T10 | 0.5 | 1 | 1° | 0.8 | 35 | 2.3 | 3.6° | 2.08 | 90 | 6 | 3 | ● | 1 | — | 35.8 | 37.7 | 39.8 | 10,800 |
| MP3XBR0050N050T10 | 0.5 | 1 | 1° | 0.8 | 50 | 2.3 | 2.7° | 2.6 | 90 | 6 | 3 | ● | 1 | — | 50.9 | 53.6 | * | 12,700 |
| MP3XBR0050N010T15 | 0.5 | 1 | 1.5° | 0.8 | 10 | 2.3 | 8.5° | 1.34 | 60 | 6 | 3 | ● | 1 | — | — | 11 | 11.6 | 7,590 |
| MP3XBR0050N016T15 | 0.5 | 1 | 1.5° | 0.8 | 16 | 2.3 | 6.5° | 1.66 | 60 | 6 | 3 | ● | 1 | — | — | 17.2 | 18.1 | 8,140 |
| MP3XBR0050N020T15 | 0.5 | 1 | 1.5° | 0.8 | 20 | 2.3 | 5.6° | 1.86 | 60 | 6 | 3 | ● | 1 | — | — | 21.3 | 22.5 | 9,020 |
| MP3XBR0050N023T15 | 0.5 | 1 | 1.5° | 0.8 | 23 | 2.3 | 5° | 2.02 | 70 | 6 | 3 | ● | 1 | — | — | 24.4 | 25.7 | 9,350 |
| MP3XBR0050N025T15 | 0.5 | 1 | 1.5° | 0.8 | 25 | 2.3 | 4.7° | 2.12 | 70 | 6 | 3 | ● | 1 | — | — | 26.5 | 27.9 | 9,570 |
| MP3XBR0050N010T30 | 0.5 | 1 | 3° | 0.8 | 10 | 2.3 | 8.8° | 1.74 | 60 | 6 | 3 | ● | 1 | — | — | — | 10.8 | 7,590 |
| MP3XBR0050N020T30 | 0.5 | 1 | 3° | 0.8 | 20 | 2.3 | 5.9° | 2.8 | 60 | 6 | 3 | ● | 1 | — | — | — | 20.9 | 9,020 |
| MP3XBR0050N030T30 | 0.5 | 1 | 3° | 0.8 | 30 | 2.3 | 4.4° | 3.84 | 70 | 6 | 3 | ● | 1 | — | — | — | 31 | 10,100 |
| MP3XBR0050N042T30 | 0.5 | 1 | 3° | 0.8 | 42 | 2.3 | 3.4° | 5.1 | 90 | 6 | 3 | ● | 1 | — | — | — | 43 | 11,700 |
| MP3XBR0050N025T50 | 0.5 | 1 | 5° | 0.8 | 25 | 2.3 | 5.4° | 4.92 | 60 | 6 | 3 | ● | 1 | — | — | — | — | 9,570 |
| MP3XBR0075N010T05 | 0.75 | 1.5 | 0.5° | 1.2 | 10 | 2.7 | 7.8° | 1.56 | 60 | 6 | 3 | ● | 1 | 10.6 | 10.9 | 11.4 | 12 | 7,820 |
| MP3XBR0075N016T05 | 0.75 | 1.5 | 0.5° | 1.2 | 16 | 2.7 | 5.8° | 1.68 | 60 | 6 | 3 | ● | 1 | 16.6 | 17.1 | 17.9 | 18.9 | 8,640 |
| MP3XBR0075N020T05 | 0.75 | 1.5 | 0.5° | 1.2 | 20 | 2.7 | 5° | 1.74 | 60 | 6 | 3 | ● | 1 | 20.6 | 21.2 | 22.3 | 23.5 | 9,300 |
| MP3XBR0075N030T05 | 0.75 | 1.5 | 0.5° | 1.2 | 30 | 2.7 | 3.7° | 1.92 | 80 | 6 | 3 | ● | 1 | 30.7 | 31.5 | 33.1 | 35 | 11,800 |
| MP3XBR0075N010T10 | 0.75 | 1.5 | 1° | 1.2 | 10 | 2.7 | 7.9° | 1.7 | 60 | 6 | 3 | ● | 1 | — | 10.6 | 11.2 | 11.8 | 7,820 |
| MP3XBR0075N016T10 | 0.75 | 1.5 | 1° | 1.2 | 16 | 2.7 | 5.9° | 1.9 | 60 | 6 | 3 | ● | 1 | — | 16.7 | 17.6 | 18.5 | 8,640 |
| MP3XBR0075N020T10 | 0.75 | 1.5 | 1° | 1.2 | 20 | 2.7 | 5.1° | 2.04 | 60 | 6 | 3 | ● | 1 | — | 20.7 | 21.8 | 23 | 9,300 |
| MP3XBR0075N030T10 | 0.75 | 1.5 | 1° | 1.2 | 30 | 2.7 | 3.7° | 2.4 | 80 | 6 | 3 | ● | 1 | — | 30.8 | 32.4 | 34.2 | 11,800 |

* 干渉なし

ご用命の際は 呼び記号もしくは、MP3XB ○○R×首部テーパ半角○○×首下長○○mm とご指定ください。

●：標準在庫品