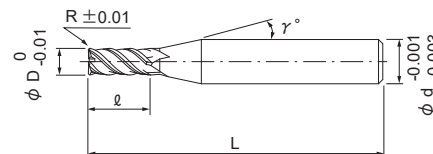
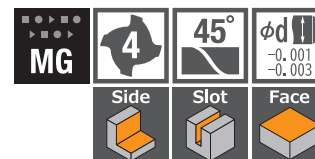


プレス型や鍛造型など70HRCまでの高硬度鋼加工に

高剛性な多刃設計と強ねじれ角の採用で、ハイス材などの難削材加工に最適

Suitable for machining hardened steels up to 70HRC, such as press dies and forging dies

Adopt multi-flute design with high rigidity and strong helix angle to realize machining on tough materials, such as high speed steel



- 4 枚刃で刃長は 2D、3D タイプをラインアップ (D ≥ 3)。
- 無限コーティングプレミアムPlusで70HRC の高硬度鋼にも長寿命。
- 剛性を高める多刃設計で加工精度を改善。
- シャンク径公差は-0.001mm から-0.003mm の高精度仕様。
- 4-flute is lineup of length of cut expands 2D and 3D (D ≥ 3).
- MUGEN COATING PREMIUM Plus realizes long tool life even for hardened steel up to 70HRC.
- Improved machining accuracy with high rigidity multi-flute design.
- Shank diameter tolerance, high accuracy type, is - 0.001mm ~ - 0.003mm.

被削材 Work Material

高硬度鋼 H  
Hardened Steel

60~70HRC



◆ 2026年3月発売 ※Release in Mar, 2026.

単位 [寸法 : mm / 価格 : 円]  
Unit [Size : mm / Retail Price : JPY]

| コードNo.<br>Code No. | (D)外径<br>Dia. | (R)コーナ半径<br>Corner Radius | (ℓ)刃長<br>Length of Cut | (γ)首角<br>Neck Taper Angle | (d)シャンク径<br>Shank Dia. | (L)全長<br>Overall Length | 標準価格<br>Retail Price |
|--------------------|---------------|---------------------------|------------------------|---------------------------|------------------------|-------------------------|----------------------|
| ◆ 08-00439-10012   | 1             | R0.1                      | 2                      | 12°                       | 6                      | 60                      | 12,800               |
| ◆ 08-00439-15012   | 1.5           | R0.1                      | 3                      | 12°                       | 6                      | 60                      | 12,800               |
| ◆ 08-00439-20012   | 2             | R0.1                      | 4                      | 12°                       | 6                      | 60                      | 12,800               |
| ◆ 08-00439-30022   | 3             | R0.2                      | 6                      | 12°                       | 6                      | 60                      | 14,800               |
| ◆ 08-00439-30023   |               |                           | 9                      | 12°                       | 6                      | 60                      | 15,100               |
| ◆ 08-00439-30032   |               | R0.3                      | 6                      | 12°                       | 6                      | 60                      | 14,800               |
| ◆ 08-00439-30033   |               |                           | 9                      | 12°                       | 6                      | 60                      | 15,100               |
| ◆ 08-00439-30052   |               | R0.5                      | 6                      | 12°                       | 6                      | 60                      | 14,800               |
| ◆ 08-00439-30053   |               |                           | 9                      | 12°                       | 6                      | 60                      | 15,100               |
| ◆ 08-00439-40022   | 4             | R0.2                      | 8                      | 12°                       | 6                      | 60                      | 16,000               |
| ◆ 08-00439-40023   |               |                           | 12                     | 12°                       | 6                      | 60                      | 16,500               |
| ◆ 08-00439-40032   |               | R0.3                      | 8                      | 12°                       | 6                      | 60                      | 16,000               |
| ◆ 08-00439-40033   |               |                           | 12                     | 12°                       | 6                      | 60                      | 16,500               |
| ◆ 08-00439-40052   |               | R0.5                      | 8                      | 12°                       | 6                      | 60                      | 16,000               |
| ◆ 08-00439-40053   |               |                           | 12                     | 12°                       | 6                      | 60                      | 16,500               |

オーダー方法  
How to Order

MHDSH445R 外径 (D) × コーナ半径 (R) × 刃長 (ℓ) を指示してください。  
When you order, indicate MHDSH445R (D) × (R) × (ℓ).

※ (γ) は参考値です。  
※ (γ) is reference value.