

超硬ドリル CARBIDE DRILLS

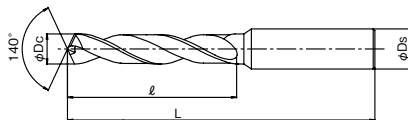
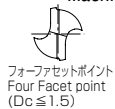
一般加工用超硬スタブ形

CARBIDE STUB FOR GENERAL APPLICATION

FT-GDS

高じん性で欠損に強く、難削材の加工、低剛性機、旋盤に最適な超硬ドリルです。

Suitable for difficult to machine materials and can be used on low rigidity machines and lathe machines.



CARBIDE FX h8 30° SHRINK FIT 切削条件 P.208

●マークの説明はP.2をご覧ください。See page 2 for explanation of icons.

単位:mm Unit:mm

| ツールNo. EDP NO. | 外径 Dc | 溝長 ℓ | 全長 L | シャンク径 Ds | 在庫 Stock | 標準価格 (Yen) | ツールNo. EDP NO. | 外径 Dc | 溝長 ℓ | 全長 L | シャンク径 Ds | 在庫 Stock | 標準価格 (Yen) |
|-------------------|----------|---------|---------|-------------|-------------|---------------|-------------------|----------|---------|---------|-------------|-------------|---------------|
| | 0.5 | 3 | | | | | | 5.5 | | | | | |
| | 0.6 | 3.5 | | | | | | 5.6 | | | | | |
| | 0.7 | 4.5 | 38 | | | | | 5.7 | 28 | 70 | 6 | | |
| | 0.8 | 5 | | | | | | 5.8 | | | | | |
| | 0.9 | 5.5 | | | | | | 5.9 | | | | | |
| | 1 | 6 | | | | | | 6 | | | | | |
| | 1.1 | 7 | | | | | | 6.1 | | | | | |
| | 1.2 | 8 | | | | | | 6.2 | | | | | |
| | 1.3 | 8 | | | | | | 6.3 | | | | | |
| | 1.4 | 9 | 42 | | | | | 6.4 | 31 | 78 | 7 | | |
| | 1.5 | 9 | | | | | | 6.5 | | | | | |
| | 1.6 | 10 | | | | | | 6.6 | | | | | |
| | 1.7 | 10 | | | | | | 6.7 | | | | | |
| | 1.8 | 11 | | 3 | | | | 6.8 | | | | | |
| | 1.9 | 11 | | | | | | 6.9 | | | | | |
| | 2 | 12 | 46 | | | | | 7 | | | | | |
| | 2.1 | 12 | | | | | | 7.1 | 34 | | | | |
| | 2.2 | 13 | 47 | | | | | 7.2 | | | | | |
| | 2.3 | 13 | | | | | | 7.3 | | | | | |
| | 2.4 | 14 | 48 | | | | | 7.4 | | | | | |
| | 2.5 | 14 | | | | | | 7.5 | | 81 | 8 | | |
| | 2.6 | 14 | | | | | | 7.6 | | | | | |
| | 2.7 | 16 | 50 | | | | | 7.7 | | | | | |
| | 2.8 | 16 | | | | | | 7.8 | | | | | |
| | 2.9 | 16 | | | | | | 7.9 | | | | | |
| | 3 | 18 | 54 | | □ | | | 8 | | | | □ | |
| | 3.1 | 18 | | | | | | 8.1 | 37 | | | | |
| | 3.2 | 18 | | | | | | 8.2 | | | | | |
| | 3.3 | 20 | 56 | | | | | 8.3 | | | | | |
| | 3.4 | 20 | | | | | | 8.4 | | | | | |
| | 3.5 | 20 | | 4 | | | | 8.5 | | 84 | 9 | | |
| | 3.6 | 20 | | | | | | 8.6 | | | | | |
| | 3.7 | 22 | 58 | | | | | 8.7 | | | | | |
| | 3.8 | 22 | | | | | | 8.8 | | | | | |
| | 3.9 | 22 | | | | | | 8.9 | | | | | |
| | 4 | 22 | | | | | | 9 | | | | | |
| | 4.1 | 24 | 60 | | | | | 9.1 | 40 | | | | |
| | 4.2 | 24 | | | | | | 9.2 | | | | | |
| | 4.3 | 24 | | | | | | 9.3 | | | | | |
| | 4.4 | 24 | 62 | | | | | 9.4 | | | | | |
| | 4.5 | 24 | | 5 | | | | 9.5 | | 87 | 10 | | |
| | 4.6 | 24 | | | | | | 9.6 | | | | | |
| | 4.7 | 26 | 64 | | | | | 9.7 | | | | | |
| | 4.8 | 26 | | | | | | 9.8 | | | | | |
| | 4.9 | 26 | | | | | | 9.9 | | | | | |
| | 5 | 26 | | | | | | 10 | | | | | |
| | 5.1 | 26 | 68 | | | | | 10.1 | 43 | | | | |
| | 5.2 | 26 | | | | | | 10.2 | | | | | |
| | 5.3 | 28 | 70 | | | | | 10.3 | | 93 | 11 | | |
| | 5.4 | 28 | | | | | | 10.4 | | | | | |

形状寸法表

DRILLS

超硬ドリル



次ページへ

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.

一般加工用超硬スタブ形
CARBIDE STUB FOR GENERAL APPLICATION

FT-GDS

| 低炭素鋼 Low Carbon Steels | 中炭素鋼 Medium Carbon Steels | 高炭素鋼 High Carbon Steels | 合金鋼 Alloy Steels | 調質鋼 Hardened Steels | | 焼入鋼 Quenched and Tempered Steels | | | ステンレス鋼 Stainless Steels | 工具鋼 Tool Steels | 鋳鉄 Cast Iron | ダクタイル鋳鉄 Ductile Cast Iron | 銅合金 Copper Alloys | アルミ展伸材 Aluminum | アルミ合金鋳物 Aluminum Alloy Casting | チタン合金 Titanium Alloys | インコネル® Inconel® | マグネシウム合金 Magnesium Alloy | 金属基複合材料(MMC) Metal Matrix Composites |
|---------------------------|------------------------------|----------------------------|---------------------|------------------------|-----------|-------------------------------------|-----------|-----------|----------------------------|--------------------|-----------------|------------------------------|----------------------|--------------------|-----------------------------------|--------------------------|--------------------|-----------------------------|---|
| | | | | ~35 HRC | 35~45 HRC | 45~50 HRC | 50~62 HRC | 62~70 HRC | | | | | | | | | | | |
| C~0.25% | 0.25~0.45% | 0.45%~ | SCM | ~35 HRC | 35~45 HRC | 45~50 HRC | 50~62 HRC | 62~70 HRC | SUS | SKD SKS | FC | FCD | Cu | AL | AC | | | AZ91D | |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ○ | ○ | ○ | | | | ○ | ○ | | |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ○ | ○ | ○ | | | | ○ | | | |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ○ | ○ | ○ | | | | ○ | | | |

※1 穴深さ：2D~3D ※2 穴深さ：3D~4D ※1 Drilling depth：2D~3D ※2 Drilling depth：3D~4D



前ページより

| ツールNo. EDP NO. | 外径 Dc | 溝長 ℓ | 全長 L | シャンク径 Ds | 在庫 Stock | 標準価格 (Yen) |
|-------------------|----------|---------|---------|-------------|-------------|---------------|
| | 10.5 | 43 | 93 | 11 | □ | |
| | 10.6 | | | | | |
| | 10.7 | 47 | 101 | 12 | □ | |
| | 10.8 | | | | | |
| | 10.9 | | | | | |
| | 11 | | | | | |
| | 11.1 | | | | | |
| | 11.2 | | | | | |

□=特定代理店在庫品
1. 切削油剤はP.612をご参照下さい。

単位:mm Unit:mm

| ツールNo. EDP NO. | 外径 Dc | 溝長 ℓ | 全長 L | シャンク径 Ds | 在庫 Stock | 標準価格 (Yen) |
|-------------------|----------|---------|---------|-------------|-------------|---------------|
| | 11.3 | 47 | 101 | 12 | □ | |
| | 11.4 | | | | | |
| | 11.5 | | | | | |
| | 11.6 | | | | | |
| | 11.7 | | | | | |
| | 11.8 | 51 | | | | |
| | 11.9 | | | | | |
| | 12 | | | | | |

□=Stocked by specific distributors. Contact us for price & availability.
1. Cutting fluid : Please refer to P.612.

形状寸法表

DRILLS

超硬ドリル