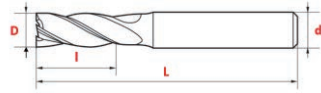


超硬 2枚刃 スクエアエンドミル HSC2000

CARBIDE 2 FLUTE SQUARE END MILL



ザ・コストパフォーマンス
ネジレ角35°
幅広い加工に対応！！



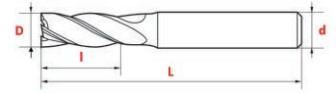
| 型番 | 刃径 | 刃長 | 全長 | シャン径 | 販売価格 | 在庫 |
|-------------|-----|----|-----|------|-------|----|
| | D | l | L | d | | |
| HSC2000-010 | 1 | 4 | 50 | 4 | 1100 | ● |
| HSC2000-015 | 1.5 | 6 | 50 | 4 | 1100 | ● |
| HSC2000-020 | 2 | 6 | 50 | 4 | 930 | ● |
| HSC2000-025 | 2.5 | 8 | 50 | 4 | 1040 | ● |
| HSC2000-030 | 3 | 10 | 50 | 6 | 1150 | ● |
| HSC2000-035 | 3.5 | 12 | 50 | 6 | 1960 | ● |
| HSC2000-040 | 4 | 12 | 50 | 6 | 1250 | ● |
| HSC2000-045 | 4.5 | 12 | 50 | 6 | 2150 | ● |
| HSC2000-050 | 5 | 12 | 50 | 6 | 1250 | ● |
| HSC2000-055 | 5.5 | 12 | 50 | 6 | 2150 | ● |
| HSC2000-060 | 6 | 12 | 50 | 6 | 1160 | ● |
| HSC2000-065 | 6.5 | 20 | 60 | 8 | 3610 | ● |
| HSC2000-070 | 7 | 20 | 60 | 8 | 3300 | ● |
| HSC2000-075 | 7.5 | 20 | 60 | 8 | 3610 | ● |
| HSC2000-080 | 8 | 20 | 60 | 8 | 1900 | ● |
| HSC2000-085 | 8.5 | 25 | 75 | 10 | 5170 | ● |
| HSC2000-090 | 9 | 25 | 75 | 10 | 4360 | ● |
| HSC2000-095 | 9.5 | 25 | 75 | 10 | 5170 | ● |
| HSC2000-100 | 10 | 25 | 75 | 10 | 2770 | ● |
| HSC2000-110 | 11 | 25 | 75 | 12 | 5780 | ● |
| HSC2000-120 | 12 | 25 | 75 | 12 | 3610 | ● |
| HSC2000-130 | 13 | 30 | 90 | 14 | 10160 | ● |
| HSC2000-140 | 14 | 30 | 90 | 14 | 9270 | ● |
| HSC2000-150 | 15 | 35 | 100 | 16 | 11210 | ● |
| HSC2000-160 | 16 | 35 | 100 | 16 | 10330 | ● |
| HSC2000-170 | 17 | 40 | 100 | 18 | 16340 | ● |
| HSC2000-180 | 18 | 40 | 100 | 18 | 15690 | ● |
| HSC2000-190 | 19 | 40 | 100 | 20 | 20920 | ● |
| HSC2000-200 | 20 | 40 | 100 | 20 | 15620 | ● |
| HSC2000-220 | 22 | 45 | 100 | 22 | 26630 | ● |
| HSC2000-250 | 25 | 45 | 100 | 25 | 24220 | ● |

超硬 4枚刃 スクエアエンドミル HSC4000

CARBIDE 4 FLUTE SQUARE END MILL



ザ・コストパフォーマンス
ネジレ角35°
幅広い加工に対応！！



| 型番 | 刃径 | 刃長 | 全長 | シャン径 | 販売価格 | 在庫 |
|-------------|-----|----|-----|------|-------|----|
| | D | l | L | d | | |
| HSC4000-010 | 1 | 4 | 50 | 4 | 1480 | ● |
| HSC4000-015 | 1.5 | 4 | 50 | 4 | 1470 | ● |
| HSC4000-020 | 2 | 6 | 50 | 4 | 1120 | ● |
| HSC4000-025 | 2.5 | 8 | 50 | 4 | 1240 | ● |
| HSC4000-030 | 3 | 10 | 50 | 6 | 1220 | ● |
| HSC4000-035 | 3.5 | 12 | 50 | 6 | 1960 | ● |
| HSC4000-040 | 4 | 12 | 50 | 6 | 1370 | ● |
| HSC4000-045 | 4.5 | 12 | 50 | 6 | 2150 | ● |
| HSC4000-050 | 5 | 15 | 50 | 6 | 1370 | ● |
| HSC4000-055 | 5.5 | 15 | 50 | 6 | 2150 | ● |
| HSC4000-060 | 6 | 15 | 50 | 6 | 1260 | ● |
| HSC4000-065 | 6.5 | 25 | 60 | 8 | 3610 | ● |
| HSC4000-070 | 7 | 25 | 60 | 8 | 2930 | ● |
| HSC4000-075 | 7.5 | 25 | 60 | 8 | 3610 | ● |
| HSC4000-080 | 8 | 25 | 60 | 8 | 2070 | ● |
| HSC4000-085 | 8.5 | 30 | 75 | 10 | 5170 | ● |
| HSC4000-090 | 9 | 30 | 75 | 10 | 4360 | ● |
| HSC4000-095 | 9.5 | 30 | 75 | 10 | 5170 | ● |
| HSC4000-100 | 10 | 30 | 75 | 10 | 2910 | ● |
| HSC4000-110 | 11 | 30 | 75 | 12 | 6200 | ● |
| HSC4000-120 | 12 | 30 | 75 | 12 | 3750 | ● |
| HSC4000-130 | 13 | 35 | 90 | 14 | 10940 | ● |
| HSC4000-140 | 14 | 35 | 90 | 14 | 9990 | ● |
| HSC4000-150 | 15 | 40 | 100 | 16 | 13250 | ● |
| HSC4000-160 | 16 | 40 | 100 | 16 | 11410 | ● |
| HSC4000-170 | 17 | 45 | 100 | 18 | 16340 | ● |
| HSC4000-180 | 18 | 45 | 100 | 18 | 15690 | ● |
| HSC4000-190 | 19 | 45 | 100 | 20 | 20920 | ● |
| HSC4000-200 | 20 | 45 | 100 | 20 | 15620 | ● |
| HSC4000-220 | 22 | 45 | 100 | 22 | 26630 | ● |
| HSC4000-250 | 25 | 50 | 100 | 25 | 24220 | ● |

| 刃径公差 (mm) | 炭素鋼 | 合金鋼 | プリハードン鋼、焼入れ鋼 | | | ステンレス鋼 | 鋳鉄 | 銅合金 | アルミ合金 | チタン合金 | 耐熱合金 |
|-----------|-----|-----|--------------|--------|--------|--------|----|-----|-------|-------|------|
| | | | ~40HRC | ~45HRC | ~55HRC | | | | | | |
| 0 ~ -0.02 | ◎ | ◎ | ◎ | ○ | | ○ | ◎ | ○ | ○ | | |

切削条件表 / HSC2000

溝加工

| 被削材 | 炭素鋼 ~HRC30 | 合金鋼 HRC30 ~HRC38 | 調質鋼 HRC35 ~HRC45 | ステンレス鋼 SUS304 /SUS316 |
|----------------|---------------|------------------------|------------------------|-----------------------------|
| 切削速度 m/min | 50~75 | 35~60 | 20~50 | 25~37 |
| 送り速度 mm/rev | 0.008~0.15 | 0.006~0.11 | 0.004~0.07 | 0.006~0.1 |
| 切込み深さ (mm) | ap ≤ 0.5D | ap ≤ 0.5D | ap ≤ 0.2D | ap ≤ 0.3D |

※ 切削条件はあくまで目安であり作業環境の状況によって変動します。

切削条件表 / HSC4000

側面加工

| 被削材 | 炭素鋼 ~HRC30 | 合金鋼 HRC30 ~HRC38 | 調質鋼 HRC35 ~HRC45 | ステンレス鋼 SUS304 /SUS316 |
|----------------|------------------------|------------------------|------------------------|-----------------------------|
| 切削速度 m/min | 50~100 | 35~90 | 20~70 | 25~60 |
| 送り速度 mm/rev | 0.01~0.3 | 0.01~0.25 | 0.004~0.2 | 0.01~0.2 |
| 切込み深さ (mm) | ap ≤ 1.5D ae ≤ 0.2D | ap ≤ 1.5D ae ≤ 0.2D | ap ≤ 1.0D ae ≤ 0.1D | ap ≤ 1.0D ae ≤ 0.1D |

※ 切削条件はあくまで目安であり作業環境の状況によって変動します。