



超硬リーマ Eシリーズ オイルホール付

[E Series with Oil Hole]



商品コード : CE0.000H
Product Code

■ 特長 [Features of E Series with Oil Hole]

センタースルータイプのオイルホールを採用。切屑の排出性が向上し、完全止り穴加工において、より安定した加工が可能。
By using oil holes in the center of the flute, it enables smooth upward chip flow and stable blind-hole reaming.

新高剛性刃型形状により、耐久性UP!

Improved durability from this newly launched high rigid flute shape.

(D=φ6の場合)
25×65×100



ショートタイプにすることで、工具剛性が向上。
Short type can improve tool rigidity up.

■ オイルホールの効果 [Effects of Oil Hole]

センタースルー形状により切削油がダイレクトに穴底部へ供給される事で、切屑の円滑な排出を促進し、さらに加工時の熱影響を抑制。

Oil holes in the center promotes smooth chip ejection and reduce cutting heat emitted by supplying cutting oil directly to the end of the blind hole.



※より良い加工の為に、内部給油と外部給油の併用を推奨いたします。
If you want better cutting result, please use a combination of inside oil and outside oil.

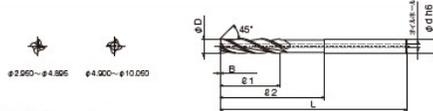
■ 参考切削条件 [Recommended Cutting Conditions]

切削材 Workpiece	切削 MM Stroke SS	切削深 Cutting Depth SU/C	合金鋼 Alloy Steels SC/SCU	工具鋼 Tool Steels S/SH/SU	ステンレス Stainless Steels SU/S	鋳鉄 Cast Iron FC/FCO	アルミニウム Aluminum Al/ALZ ADC	銅・銅合金 Copper Alloys C	調質鋼 Quenched and Tempered Steels	リーマ径(φmm) Reamer Dia.	
										I	II
鋼質 (引張強) Cutting Speed	10~30	10~30	10~30	5~30	5~20	10~30	20~40	15~30	10~20	5~15	0.1
	3	4	5	6	7	8	9	10	0.2	0.2	
	6	7	8	9	10	0.2	0.3				
	7	8	9	10	0.2						
	8	9	10	0.2							
リーマ径 (φmm) Reamer Dia.	I	II	I	II	II	II		II	II		I

リーマ径(φmm)は表の右側に記載されています。リーマ径(φmm)は表の右側に記載されています。リーマ径(φmm)は表の右側に記載されています。



■ 寸法表 [E Series with Oil Hole Specification Table]



刃径公差 (+0.005)
(Tolerance: 0)

0.005mmとび
Increment

型式 Diameter (呼び名)	刃径 Flute Length	全長 Overall Length	シャンク径 Shank Diameter	切削径 Chamber Length	刃数 Number of Flutes	標準定価 unit price: in JPY		
						1.0mmとび Increment	0.1mmとび Increment	0.01mmとび 0.005mmとび Increment
CE 2.950 ~ 2.950H						11,980	---	14,300
CE 3.000 ~ 3.000H						---	---	11,980
CE 3.015H	12	25	3.0	0.15		---	---	14,300
CE 3.020H						---	---	14,300
CE 3.025H						---	---	14,300
CE 3.030H						---	---	11,980
CE 3.035 ~ 3.035H						---	---	14,300
CE 3.100 ~ 3.965H						---	13,180	14,300
CE 3.970H						---	---	13,010
CE 3.975H						---	---	15,620
CE 3.980H						---	---	13,010
CE 3.985H						---	---	15,620
CE 3.990H						---	---	13,010
CE 3.995H						---	---	15,620
CE 4.000 ~ 4.010H	16	29	4.0			13,010	---	15,620
CE 4.015H						---	---	15,620
CE 4.020H						---	---	13,010
CE 4.025H						---	---	15,620
CE 4.030H						---	---	13,010
CE 4.035 ~ 4.035H						---	---	15,620
CE 4.100 ~ 4.965H						---	14,310	15,620
CE 4.970H						---	---	14,710
CE 4.975H						---	---	17,640
CE 4.980H						---	---	14,710
CE 4.985H						---	---	17,640
CE 4.990H						---	---	14,710
CE 4.995H						---	---	17,640
CE 5.000 ~ 5.010H	20	35	5.0	0.2		14,710	---	17,640
CE 5.015H						---	---	17,640
CE 5.020H						---	---	14,710
CE 5.025H						---	---	17,640
CE 5.030H						---	---	14,710
CE 5.035 ~ 5.995H						---	---	17,640
CE 5.100 ~ 5.965H						---	16,180	17,640
CE 5.970H						---	---	15,740
CE 5.975H						---	---	18,890
CE 5.980H						---	---	15,740
CE 5.985H						---	---	18,890
CE 5.990H						---	---	15,740
CE 5.995H						---	---	18,890
CE 6.000 ~ 6.010H						---	---	15,740
CE 6.015H						---	---	18,890
CE 6.020H						---	---	15,740
CE 6.025H						---	---	18,890
CE 6.030H						---	---	15,740
CE 6.035 ~ 6.995H						---	---	18,890
CE 6.100 ~ 6.965H						---	17,310	18,890
CE 6.970 ~ 7.975H						21,050	23,160	25,270
CE 7.980H						---	---	21,050
CE 7.985H						---	---	25,270
CE 7.990H						---	---	21,050
CE 7.995H						---	---	25,270
CE 8.000 ~ 8.010H						21,050	---	21,050
CE 8.015H						---	---	25,270
CE 8.020H						---	---	21,050
CE 8.025H						---	---	25,270
CE 8.030H						---	---	21,050
CE 8.035 ~ 8.995H						---	---	25,270
CE 8.100 ~ 8.965H						---	23,160	25,270
CE 8.970 ~ 9.975H						26,280	31,110	35,940
CE 9.980H						---	---	30,550
CE 9.985H						---	---	35,940
CE 9.990H						---	---	30,550
CE 9.995H						---	---	35,940
CE 10.000 ~ 10.010H	30	60	110	10.0		30,550	---	35,940
CE 10.015H						---	---	35,940
CE 10.020H						---	---	30,550
CE 10.025H						---	---	35,940
CE 10.030H						---	---	30,550
CE 10.035 ~ 10.995H						---	---	35,940

標準在庫以外のサイズは、3米以上1オーダーにて取りまします。
Standard inventory size is available on made-to-order basis, 3pcr/size for order.