

35°菱形ポジティブインサート

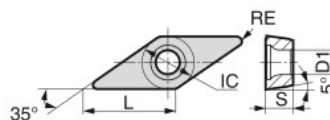
刃先交換インサート



VB	1604
寸法 (mm)	切刃長L 16.6 厚さS 4.76
	内接円IC 9.525 穴径D1 4.4

スミポロン(CBN)インサート ㊦ L90、L91

適用内径ホルダ ㊦ E31、E33、E36、E39



材種選択ガイド ㊦ A2、A3

チップブレーカ選択ガイド ㊦ B10~

被削材別インサート材種選択ガイド ㊦ A10~

● : 連続切削 第一推奨
○ : 連続切削 第二推奨

● : 一般切削 第一推奨
○ : 一般切削 第二推奨

★ : 断続切削 第一推奨
☆ : 断続切削 第二推奨

推奨用途	P 鋼	●	●	●	○	○	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱	✱
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形状	適用領域	型番	コーナー半径 RE	コーティング	コーティング サーマックス	超硬合金
仕上切削 FB		VBMT 160404N-FB 160408N-FB	0.4 0.8	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1		
仕上切削 LU		VBMT 160404N-LU 160408N-LU	0.4 0.8	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1	●	●
仕上切削 FX		VBGT 160402R-FX 160402L-FX 160404R-FX 160404L-FX	0.2 0.2 0.4 0.4	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1		●
仕上切削 LB		VBMT 160404N-LB 160408N-LB 160412N-LB	0.4 0.8 1.2	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1	●	●
軽切削 SU		VBMT 160404N-SU 160408N-SU 160412N-SU	0.4 0.8 1.2	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1	●	●
軽切削 SI		VBGT 160401MN-SI 160402MN-SI 160404MN-SI 160408MN-SI	< 0.1 < 0.2 < 0.4 < 0.8	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1	●	●
軽中切削 BMW		VBMT 160404 160408	0.4 0.8	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1	●	●
アルミ用 AY		VBGT 160402R-AY 160402L-AY 160404R-AY 160404L-AY	0.2 0.2 0.4 0.4	AC8015P AC8025P AC8035P AC810P AC820P AC830P AC6020M AC6030M AC6040M AC610M AC630M AC4010K AC4015K AC420K AC405K AC415K AC503U AC5015S AC5025S AC510U AC520U AC1030U AC530U ACZ150 T1500Z T3000Z T1000A T1500A ST10P ST20E A30 G10E EH510 EH520 H1		●

コーナー半径 RE が「<」で表記されているものは、マイナス公差となっております。

インサート

B

ネガティブ ポジティブ

C

D

R

S

T

V

W

セラミックス
超硬合金
高速鋼