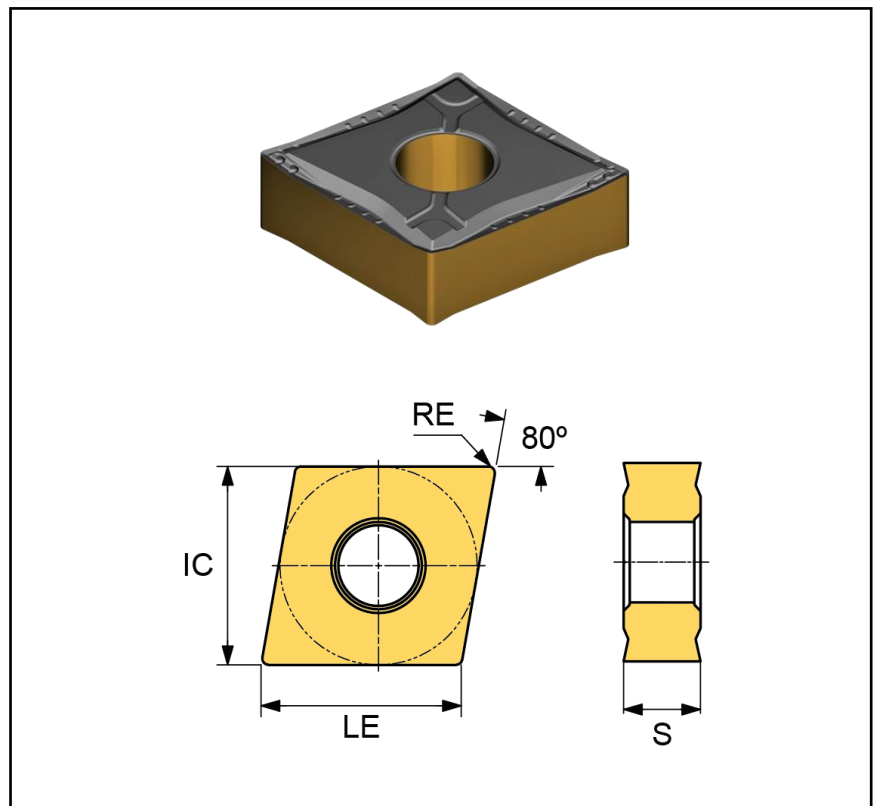


Features

- BF finishing chipbreaker, optimised for light finishing cuts, delivering smooth surface finishes with controlled chip flow.
- CNMG 80° rhombic insert, 0° clearance, strong double-sided geometry offering excellent stability for external turning and facing.
- ET33C CVD-coated carbide grade, tough, wear-resistant grade suitable for ISO P, M and S materials, designed to handle interrupted cuts and heavier cutting conditions.

RS PRO CNMG 120404-BF ET33C



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS Pro CNMG 120404-BF ET33C is a high performance 80° rhombic carbide turning insert engineered for finishing operations across a broad range of materials, including steels (P), stainless steels (M), and superalloys (S). Featuring a BF chipbreaker, it delivers excellent surface quality on light cuts while maintaining consistent chip control. The tough ET33C CVD (Chemical Vapor Deposition) coated grade combines wear resistance with enhanced edge strength, making it well suited for interrupted cutting and heavier cutting conditions. With a 0° major clearance angle and robust geometry, this insert provides stability and reliability in precision external turning and facing applications.

General Specifications

Brand	RS PRO
Material	Carbide
Product Type	Negative Turning Insert
Approach Angle	95°
Overall Height	12.7mm
Overall Length	12mm
Thickness	4.76mm
For Use With	TCLNR
Number of Pieces	Pack of 10
Insert Bit Type	Finishing
Insert Application	Steel Stainless steel Super alloys

Mechanical Specifications

Inscribed Circle (Insert Size)	IC – See table below and detailed image below
Overall Length	LE – See table below and detailed image below
Overall Height	IC– See table below and detailed image below
Thickness	S – See table below and detailed image below
Thread Profile Geometry	RE – See table below and detailed image below

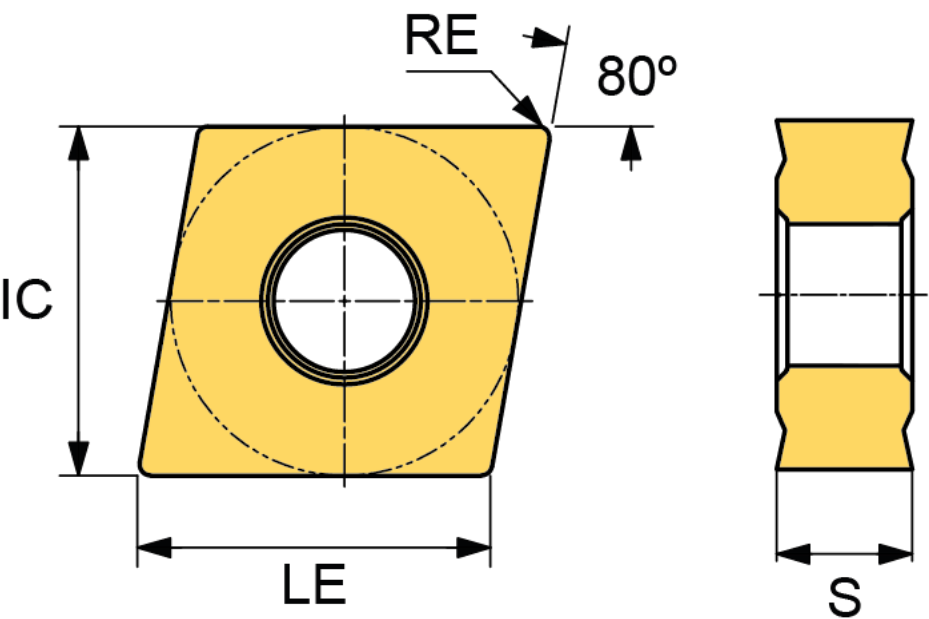
Approvals

Declarations	N/A
Hazardous Area Certification	N/A
Standards Met	ISO

Stock No.	Brand	Length of Edge - LE	Inscribed Circle - IC	Thickness S	Corner Radius - RE	Feed per rev f_n	Depth of cut a_p
XXX-XXXX 900307	RS PRO	12	12.7	4.76	0.4	0.05 - 0.25	0.5 - 1.5

Similar Products

Stock No.	Brand	Shank Dia H	Min Bore Dia B	Head Width HF	O/ALL LF	Cutting Width WF	Approach Angle KAPR
XXX-XXXX 900303	RS PRO	25	25	25	150	32	95°



Cutting Data

ISO	P			M		K		N						S			H		
VDI	1-5	6-9	10-11	12-13	14	15-16	17-20	21-24	25	26-28	29.1	29.2	30	31-32	33-35	36-37	38	39	40-41
● Primary	○	●	●	●	●									○	○				
○ Secondary																			