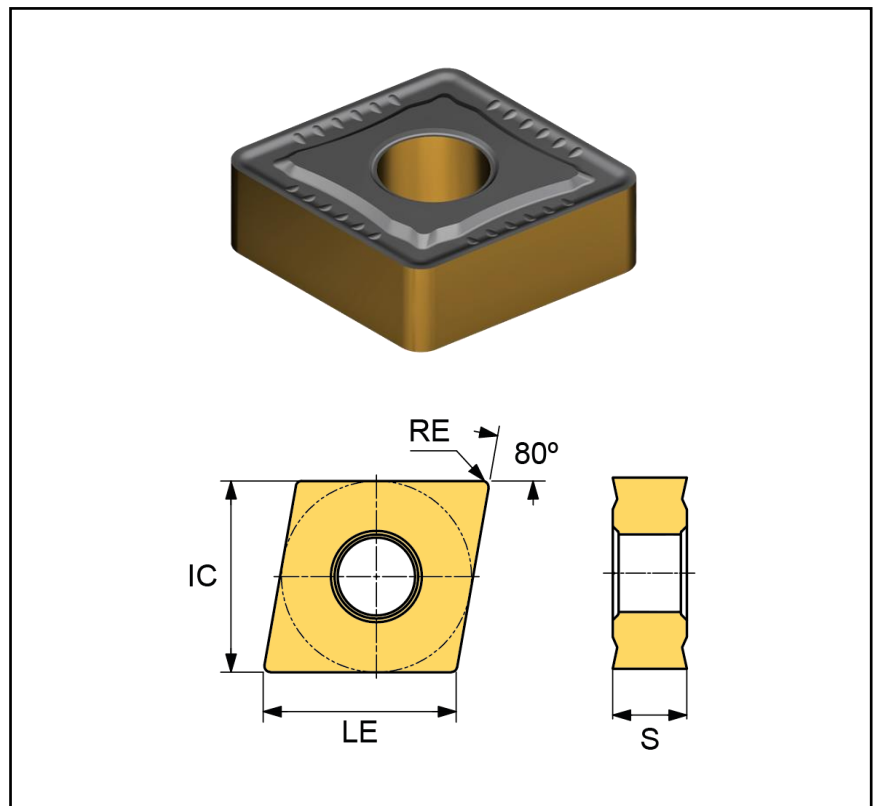


Features

- Designed for roughing and semi-roughing across ISO P, M and S materials with a 0° clearance and strong CNMG geometry for maximum edge strength.
- ET33C CVD coating provides excellent resistance to wear and heat, making it ideal for heavy cuts and demanding machining conditions.
- A tough carbide substrate delivers high fracture resistance and stability, ensuring consistent performance in interrupted cuts and challenging production environments.

RS PRO CNMG 120412-BR 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 120412-BR ET33C is a tough, reliable turning insert developed for roughing and semi-roughing operation in ISO P,M and S. Featuring a 0° clearance angle and robust CNMG geometry, it provides excellent edge strength for heavy cuts and unstable cutting conditions. The ET33C CVD coated grade offers strong wear and heat resistance, while the tough carbide substrate ensures high fracture resistance, making this insert particularly well suited to interrupted cutting.

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	Roughing and Semi-roughing
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

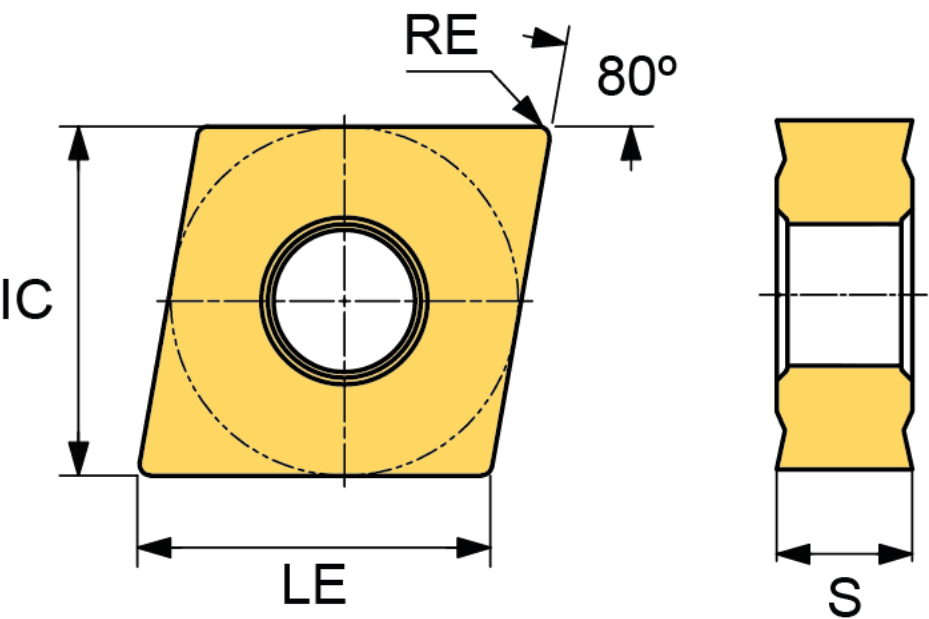
Approvals

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 900309	RS PRO	12	12.7	4.76	1.2	0.30 - 0.50	1.0 - 5.0

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	○	●	●	●	●									○	○				