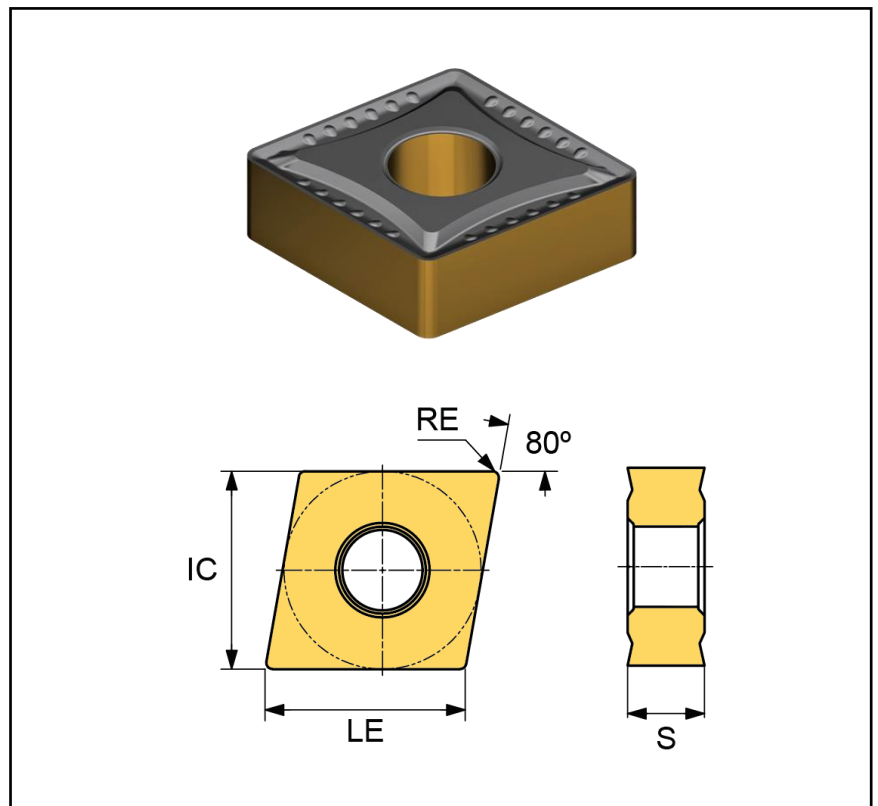


Features

- BG chipbreaker, designed for medium, semi-finishing and semi-roughing cutting conditions, offering reliable chip control and consistent surface finish.
- CNMG 80° rhombic geometry, 0° clearance strong double-sided insert providing excellent stability for external turning and facing.
- Material Compatibility: Optimised for ISO P (steel), M (stainless steel), and S (high-temperature alloys) with a 0° major clearance angle.

RS PRO CNMG 120408-BG 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 120408-BG ET33C is an 80° rhombic indexable insert engineered for medium to semi-finishing and semi-roughing operations. Its ET33C CVD tough grade ensures excellent performance in interrupted cuts and heavy machining. Optimised for a wide range of materials, including steel, stainless steel, and heat resistant alloys (ISO P,M,S), this insert delivers consistent precision and durability. The 0° major clearance angle provides a reliable cutting geometry.

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

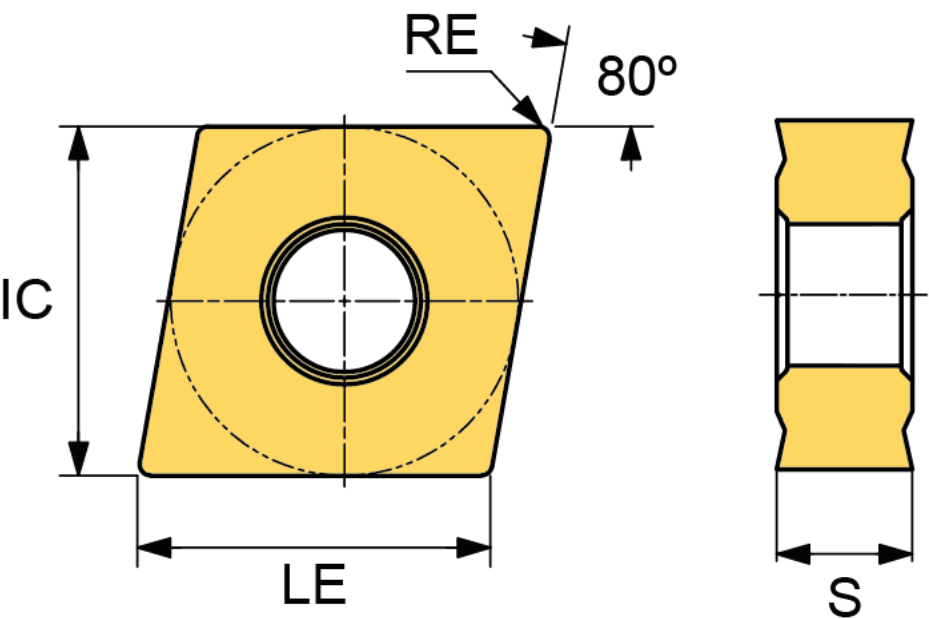
Approvals

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 900308	RS PRO	12	12.7	4.76	0.8	0.20 - 0.40	1.0 - 3.0

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	○	●	●	●	●									○	○				