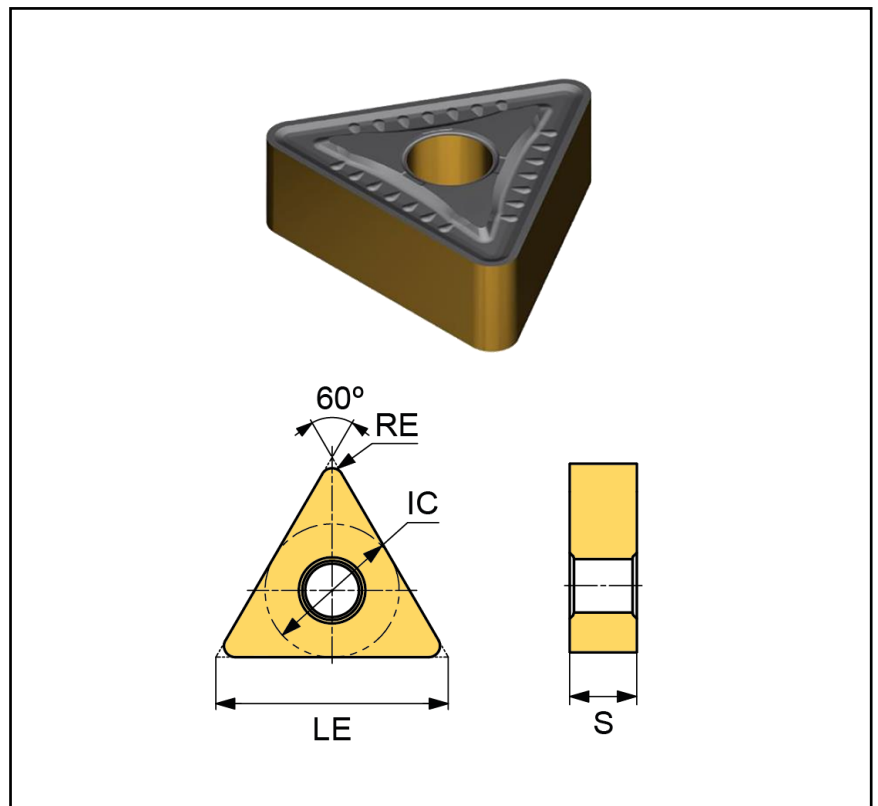


Features

- Durable CVD tough grade (ET33C), optimised for interrupted cutting and heavy roughing operations.
- Versatile material capability: suitable for ISO P (steel), M (stainless steel), and S (heat-resistant superalloys).
- Precision design: TNMG 60° triangular insert with 0° major clearance angle, ideal for CTPT roughing and semi-roughing applications.

RS PRO TNMG 160412-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 TNMG 160412-BR ET33C is a high-performance CVD tough insert designed for demanding roughing and semi-roughing applications. Its ET33C grade excels in interrupted cutting and heavy material clearance angle ensures precise and efficient machining across a wide range of materials, including steel (P), stainless steel (M), and heat resistant alloys (S). This insert combines toughness, versatility, and reliability for professional machining performance.

General Specifications

Brand	RS PRO
Material	Carbide
Product Type	Negative Turning Insert
Overall Height	15.7mm
Overall Length	15.7mm
Thickness	4.76mm
For Use With	TTJNR Tool Holder
Number of Pieces	Pack of 10
Insert Bit Type	Semi-finishing, medium, 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

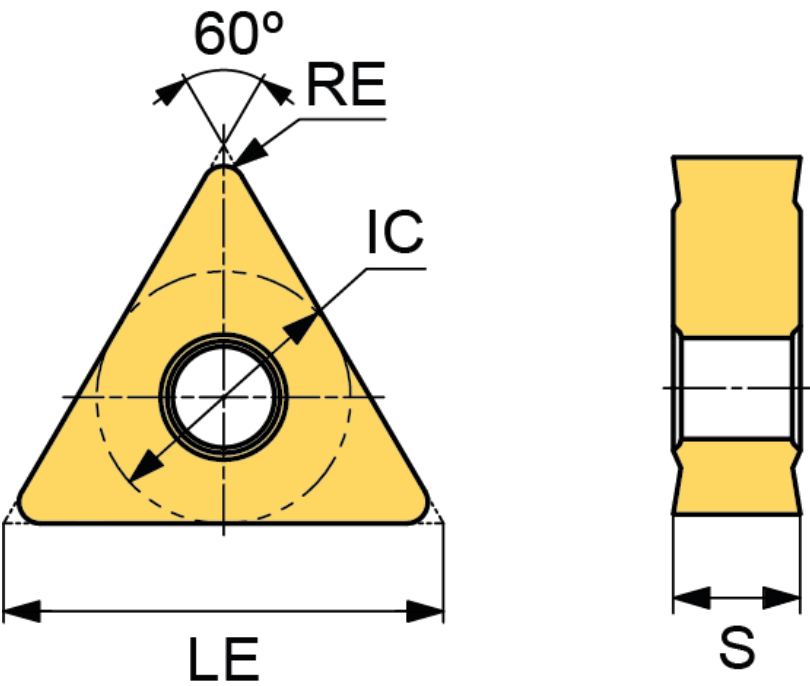
Declarations	N/A
Hazardous Area Certification	N/A
Standards Met	ISO

Stock No.	Brand	Length of Edge - LE	Inscribed Circle - IC	Thickness S	Corner Radius - RE	Feed per rev fn	Depth of cut ap
XXX-XXXX 900310	RS PRO	15.7	9.53	4.76	1.2	0.30 - 0.50	1.5 - 3.0

Similar Products

Stock No.	Brand	Shank Height H	Functional Height HF	Shank Width B	Functional Length LF	Functional Width WF	Cutting Angle KAPR
XXX-XXXX 900442	RS PRO	20	20	20	125	25	93°

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories



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	○	●	●	●	●									○	○				