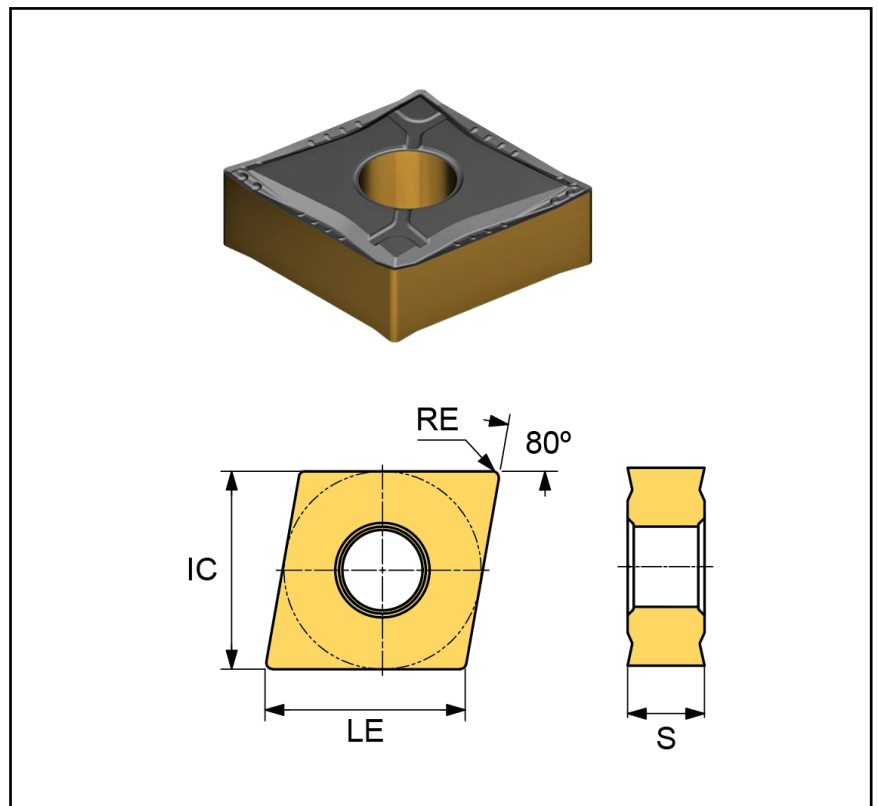


## Features

- 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.
- ET315C CVD-coated is optimised high-performance grade for continuous cutting of steels, suitable for ISO P and K materials with extended tool life.

## RS PRO CNMG 120408-BG ET315C



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 CNMG 120408-BG ET315C is high performance 80° rhombic carbide turning insert designed for semi finishing and medium cutting applications in steels and cast iron. It features a BG chipbreaker that promotes effective chip control and stable cutting in intermediate depth cuts, helping achieve consistent surface quality with reliable performance. The ET315C CVD-coated carbide grade is optimised for continuous cutting of ISO P (Steels) and K (Cast Iron) materials, delivering enhanced wear resistance and extended tool life under sustained cutting conditions. With 0° major clearance angle and robust geometry, this insert offers strength and durability for a wide range of turning tasks where balanced performance and tool life are essential.*

## 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    | Semi-finishing and Medium cutting |
| Insert Application | Steel<br>Cast iron                |

## 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 |

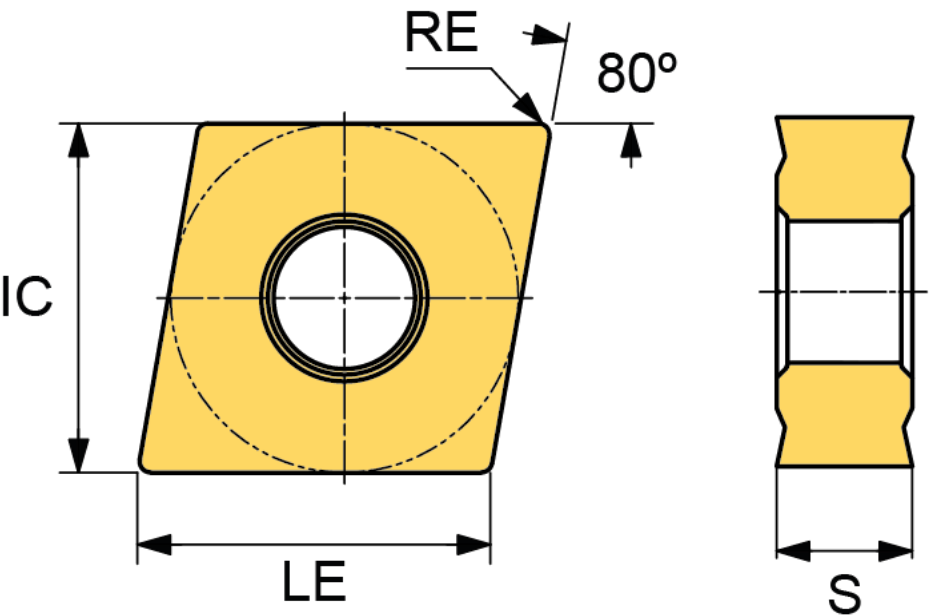
## Approvals

|                              |     |
|------------------------------|-----|
| 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<br>900306 | RS PRO | 12                  | 12.7                  | 4.76        | 0.8                | 0.20 - 0.40        | 1.0 - 3.0          |

## Similar Products

| Stock No.          | Brand  | Shank Dia<br>H | Min Bore Dia<br>B | Head Width<br>HF | O/ALL<br>LF | Cutting Width<br>WF | Approach Angle<br>KAPR |
|--------------------|--------|----------------|-------------------|------------------|-------------|---------------------|------------------------|
| XXX-XXXX<br>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 |
| <div>●</div> Primary <div>○</div> Secondary | ●   | ○   |       |       |    | ○     | ○     |       |    |       |      |      |    |       |       |       |    |    |       |