



**CANELA**

**NEW TURNING LINE**



*Available in TN15, TN20, TN30 and TN35*

**-FC Chipbreaker**

FC chipbreaker is engineered for light finishing operations at high speeds in the 0,08 mm to 0,3 mm feed range at depths of cut between (0,2 to 2,5 mm).

Main application area:  
Cutting depth (Ap): 0,2 - 2,5 mm  
Feed (f): 0,08 - 0,3 mm

**Reference**

CNMG 090304-FC  
CNMG 090308-FC  
CNMG 120404-FC  
DNMG 150604-FC  
TNMG 160404-FC  
WNMG 080404-FC

TN15  
TN30**-FMC Chipbreaker**

Finishing chipbreaker with differential profile which reduces the contact zone and so improves thermal diffusion.

Main application area:  
Cutting depth (Ap): 0,5 - 2,5 mm  
Feed (f): 0,05 - 0,25 mm

**Reference**

CNMG 120404-FMC  
DNMG 150604-FMC  
SNMG 120404-FMC  
TNMG 160404-FMC  
WNMG 080404-FMC

TN15  
TN30**-MC Chipbreaker**

MC chipbreaker provides a positive rake angle with land for high edge strength in medium duty applications on a wide range of materials. Recommended for general purpose use on all types of steel and stainless steels.

Main application area:  
Cutting depth (Ap): 1,0 - 3,5 mm  
Feed (f): 0,15 - 0,35 mm

**Reference**

CNMG 120408-MC  
DNMG 150608-MC  
TNMG 160408-MC  
WNMG060404-MC  
WNMG060408-MC  
WNMG080408-MC

TN15  
TN30  
TN35**-MFC Chipbreaker**

MFC chipbreaker provides excellent chip control with low cutting forces and free cutting action over a broad range of light duty applications. Recommended for light duty use on carbon alloys.

Main application area:  
Cutting depth (Ap): 0,5 - 4,0 mm  
Feed (f): 0,15 - 0,5 mm

**Reference**

CNMG 120408-MFC  
DNMG 150608-MFC  
TNMG 160408-MFC  
WNMG 080408-MFC

TN15  
TN30**-MHC Chipbreaker**

Alternative chipbreaker for medium cutting of general steel and alloy steel. First recommendation for medium-heavy cutting of mild steel.

Main application area:  
Cutting depth (Ap): 0,5 - 5,0 mm  
Feed (f): 0,4 - 0,8 mm

**Reference**

CNMG 120408-MHC  
CNMG 120412-MHC  
DNMG 150608-MHC  
DNMG 150612-MHC  
TNMG 160408-MHC  
TNMG 160412-MHC  
WNMG 080408-MHC  
WNMG 080412-MHC

TN15  
TN20  
TN30**-RC Chipbreaker**

The RC chipbreaker is suitable for high feed rates and depths of cut that normally require single-sided inserts. The chipbreaker has a wide negative T land, which gives high edge strength.

Main application area:  
Cutting depth (Ap): 1,5 - 5 mm  
Feed (f): 0,3 - 0,5 mm

**Reference**

CNMG 120408-RC  
CNMG 120412-RC  
SNMG 120412-RC

TN15  
TN20  
TN30**Material****Grade****Definition****P**

Steel

**TN15**

Wear resistant finishing to intermediate grade suitable for many applications on steel, cast iron, stainless steel and high temperature alloys. It is generally used at higher speeds where deformation may be a problem. The multi-layer coating includes TiCN and aluminium oxide.

**TN20**

General purpose wear resistant grade. It has enriched substrate which has exceptionally good deformation as well as fracture resistance. The multi-layer coating includes aluminium oxide to add additional heat and wear resistance. It is used to machine steel and stainless steel at lower speeds than TN15.

**TN30**

General purpose wear resistant turning grade. The multi-layer coating includes aluminium oxide to add additional heat and wear resistance. It is used to machine steel at lower speeds than TN15. This turning grade is for demanding metal removal operations, including cutting through scale at low speeds through heavy interruption, and problem machining of stainless steel at low speed and poor rigidity.

**M**

Stainless

**TN35**

New coated grade developed to machine stainless steel and heat-resistance alloys. This grade is only used in combination with the MC chipbreaker. First choice for stainless steel applications.