



CARBIDE CUTTING TOOLS

VOL
11

UTENSILI IN METALLO DURO

EXPORT EDITION

MANUFACTURED



100% ITALY



WHAT DRIVES US

GET TO KNOW US



SEE OUR VISION
AND COMMITMENT



WHAT WE DO BEST



SIMPLIFY YOUR WORK WITH TTE WEBTOOLS

TECHNICAL SERVICES AND WEB-BASED TOOLS
ACCESSIBLE VIA OUR COMPANY WEBSITE:

TOOL FINDER

Find the cutting tool that's right for you!

Let the Tool Finder guide you to the perfect products for your needs.

Search by code, tool type or dimension.



DATA MILLING®

Optimize your Cutting Processes!

Data Milling® calculates cutting parameters for you, step-by-step.

Make the most of our tools.



BEYOND PAPER

Our catalogue, at your fingertips!

On tablet or mobile, finding the right tool is easier than ever.

Explore in a new, interactive way.



By your side for over 25 years

ACHIEVE THE HIGHEST LEVEL
OF QUALITY IN PRODUCTION



Photo: Our new headquarters.

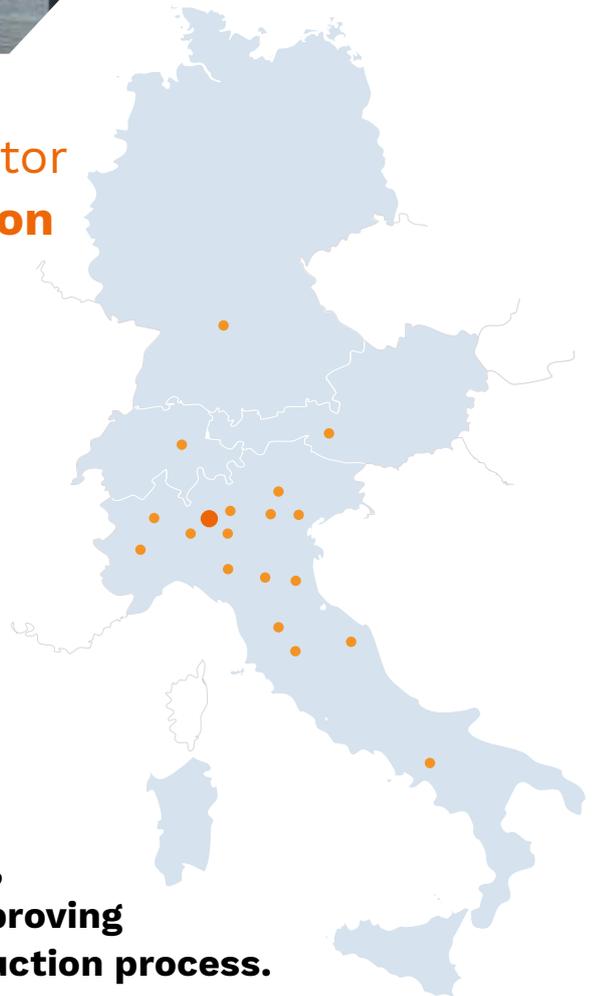
TTE is a leading company in the sector of **design, production and distribution** of drills and end mills, both special and standard.

Over 25 years of experience in milling and drilling, have allowed us to offer our customers high quality **technical solutions**.

Our offer includes **specific products suitable for each sector** and special geometries for all needs of milling and drilling performances.

All products benefit from our experience.

” **Customers not only purchase a product, but also tested solutions aimed at improving the quality and efficiency of the production process.**



EXPERIENCE
AND EXPERTISE

Markets where we work

AEROSPACE

Stainless Steel, Titanium and Aluminum.



MEDICAL

Titanium and CrCo Alloys.



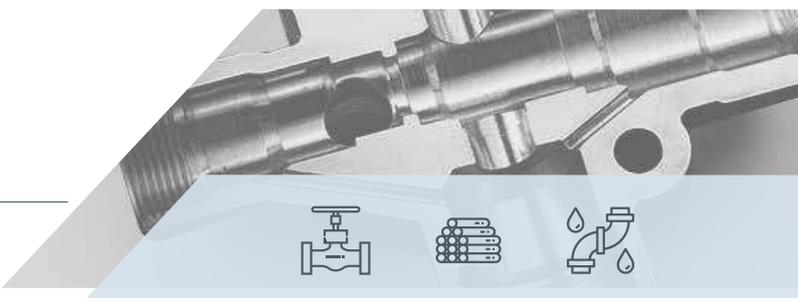
FASHION

Brass Pb free, Gold and Silver.



OIL & GAS

Super Alloy, Inconel and Duplex.



HYDRAULIC & PNEUMATIC DISTRIBUTORS

Cast Iron, Aluminum, Steel, Plastic.

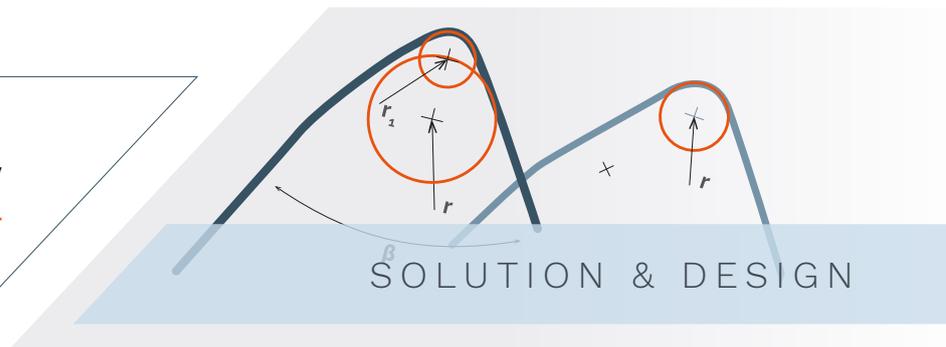


AUTOMOTIVE

Alloy Steels, Aluminum and Titanium.

Technological innovation

TECHNOLOGY IN CUTTING TOOLS



Front geometry

- Excellent chip control
- Less strain in the shear performance



Run Out

- Longer life
- Improves the finish



Chip Breaker

- Less strain and vibration
- Improves chip evacuation



Coolant holes

- Increase tool life
- Improve surface finish



Variable geometry

- Reduces vibration



ECP Cutting edge profile

- Longer life
- Less vibration



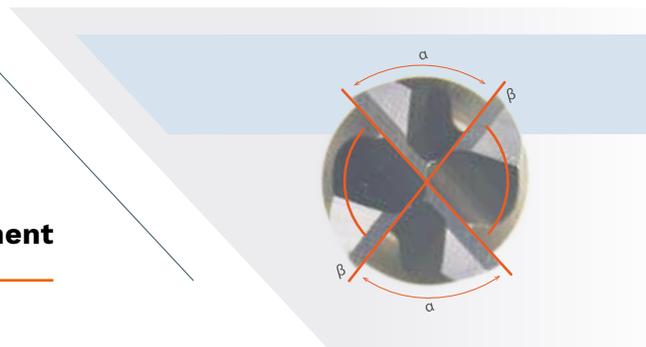
CEP Chip Compartment

- Improves chip control and evacuation
- Less strain in the shear performance

Stable processes and improvement of the **quality of the finished piece.**

Our **technology at the base of the development of new cutters** is rapidly evolving to meet the changing needs caused by working materials.

Better tool evacuation and refrigeration.



Carbide end mills

AND METALWORKING

Mini Booster

5863T

5866TFC

5866T



Wind Mill

5713TFRC

5303TFRC

CUSTOM
SOLUTION

High lights

ALL THE NEWS

Trochoidal Operation

5835TFR

5104TR



Slot

5103T

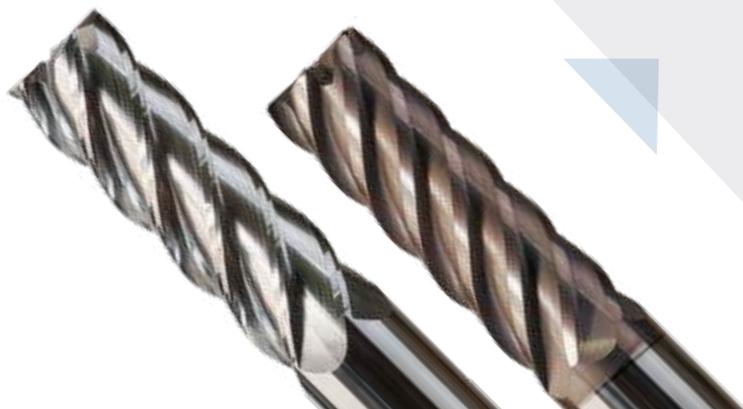
5104

5835

Finishing Operation

5305

5806



SOLUTION
ORIENTED

Type of we made

SPECIAL

Here are some **technical features** that characterize our products:



WATCHES, JEWELLERY AND FASHION

We create **complex geometries** with right and left cutting edges to eliminate vibrations and increase surface quality.



AEROSPACE, OIL & GAS

We perform specific rounding treatments on the cutting edge to **ensure durability, excellent surface quality**, thus ensuring profile tolerances.



MEDICAL - GENERAL APPLICATION

Each tool has a identifier number that uniquely links it to production and **quality control**.

tools in carbide



AUTOMOTIVE, HYDRAULIC

We produce **solid carbide drills** with guiding skates and step drills, both with coolant holes or without.



Rely on our experience and expertise to achieve your tool, or Choose a product line customized by TTE.



PNEUMATIC DISTRIBUTOR

We produce reamers with **tolerances below 5 microns.**

Experience and technology

INSPECTION

THE LAST STAGE IS THE VISUAL INSPECTION TO VERIFY THE ADHESION OF THE COATING AND ITS UNIFORMITY.

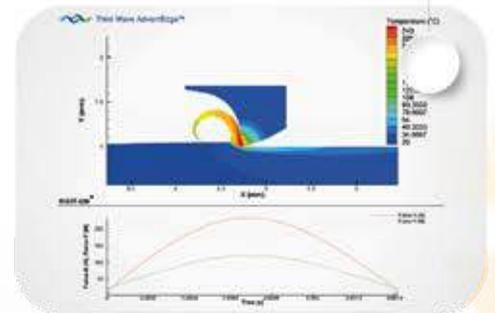
ALL CUTTERS ARE POLISHED WITH A POST COATING PROCESS TO IMPROVE SURFACE ROUGHNESS THUS INCREASING EVEN BY 30/40% THE SMOOTHNESS OF THE CHIP.



DESIGN

FROM 2021 WE HAVE INCLUDED THE FEM TO DESIGN YOUR TOOL.

WE ARE ABLE TO DEFINE MORE AND MORE BEST GEOMETRIES SUITABLE TO YOUR NEEDS, AND THUS REDUCE SET-UP TIMES OF THE TOOL. WE OFFER YOU HIGH-PERFORMANCE AND PROVEN RESULTS.



Your Tool Certificate



CHECKING AND VERIFYING GEOMETRY

WE CHECK 100% OF THE TOOL GEOMETRY.

A SPECIFIC ANALYSIS ALLOWS US TO ALWAYS GUARANTEE YOU THE SAME TOOL. YOU WILL HAVE CERTIFICATED RESULTS IN TERMS OF PERFORMANCE, TOLERANCES AND FINISHES.



NEED TO SAVE TIME?
YOU NEED TTE

to achieve

100% PERFORMANCE

PRODUCTION

LATEST GENERATION GRINDING AND SHARPENING MACHINES,
TEMPERATURE-CONTROLLED PRODUCTION DEPARTMENTS.



DIMENSIONAL CONTROL AND CERTIFICATION

EACH TOOL LASERED THE BATCH
OF PRODUCTION FOR TRACEABILITY
AND ATTACHED THE CERTIFICATE
OF INSPECTION.



ROUNDING AND POLISHING PROCESS

SINCE 2017 WE HAVE STARTED TO STUDY POSITIVES EFFECTS
OF ROUNDING ON CUTTING EDGES THAT INCREASE THE TOOL LIFE.

BENEFITS: INCREASED CUTTING SPEED AND FEED
AND BETTER FINISHING ON THE SURFACE.
TODAY WE DESIGN SEVERAL DIFFERENT TYPE OF ROUNDING
AND POLISHING ACCORDING TO YOUR NEEDS GUARANTEEING YOU
UP TO A 30/40% INCREASE OF THE TOOL LIFE.



100% CONTROL 3D ANALYSIS

WE HAVE INCLUDED A MEASURING MACHINE THAT ALLOWS US
TO PERFORM A 100% CHECK ON YOUR TOOLS:
DIMENSIONAL, GEOMETRIC AND SHAPE CONTROL

PRECISION WITHOUT COMPROMISE: TOOLS WITH PERFORMANCE
CONSISTENT WITH ACCURATE DIMENSIONAL AND GEOMETRIC CHECKS



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Optimize your Cutting Processes!
Data Milling® calculates cutting parameters for you, step-by-step.

Make the most of our tools.

CHIAVE DI LETTURA / KEY TO ICONS

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SEZIONE / SECTION **F 1**

MATERIALI / TOOL MATERIALS



Metallo Duro
> 0,5 μ
Carbide
> 0,5 μ



Micro Grano
0,4 - 0,5 μ
Carbide
> 0,5 μ



Sub Micro Grano
0,2 - 0,3 μ
Sub Micro Grain
0,2 - 0,3 μ



CBN
CBN

RIVESTIMENTI / FEATURE OF COATINGS



La nanostruttura del rivestimento offre elevata durezza a caldo ed un'elevatissima resistenza all'ossidazione che consente di lavorare a temperature superiori ai 1100° C.

The nanostructure of the coating offers high hot hardness and high resistance to oxidation that allows you to work at temperatures above 1100° C.



DLC. Ha un deposito di 2 μ che non altera il filo tagliente e la geometria dell'utensile. Ottimo per la lavorazione di alluminio, ottone, oro, argento.

DLC. It has a deposit of 2 μ which doesn't alter the cutting edge and tool geometry. Great for machining aluminum, brass, gold and silver.



È un multistrato TiAlN che conferisce un'ottima resistenza all'usura e una riduzione del coefficiente di attrito, favorendo così lo scorrimento del truciolo ed evitando fenomeni di craterizzazione.

It's a multilayer TiAlN that gives excellent wear resistance and a reduction of the coefficient of friction, promoting the flow of the chip and avoid cratering phenomena.



Rivestimento al diamante. Ha un deposito di 7-10 μ con micro granulometria del diamante che non altera la geometria del tagliente, ma conferisce una durezza fino a 10.000 HV. Ottimo per lavorazioni di ceramiche, fibre, alluminio e materiali non ferrosi ma abrasivi.

Diamond coating. It has a deposit of 7-10 μ with diamond's micro grain size that doesn't alter the geometry of cutting edge, and gives hardness until 10.000 HV. Excellent for machining ceramics, fibers, aluminum and other non-ferrous materials that are abrasive.



UT COAT è una ricopertura raccomandata per materiali fino a 55 Hrc e nelle operazioni di sgrossatura. Può essere impiegata sia a secco sia a umido.

UT COAT is a coating recommended for materials up to 55 Hrc and in roughing operations. It can be used both wet and dry.



Rivestimento al diamante che utilizzando il metodo del filamento a caldo CVD conferisce maggiore resistenza e durezza e dà un'eccezionale adesione all'utensile.

Diamond film that coated using the hot filament CVD method is developed to improve hardness and durability with outstanding adhesion to the cutting tool.



Evoluzione dell'UT COAT. Rivestimento a basso spessore per lasciare inalterato il filo tagliente garantendo un'alta resistenza all'adesione.

New ultra lubricant layer on the outermost surface for higher resistance to adhesion.



CrN è stato sviluppato per resistere alle alte temperature e alla forte abrasione che si sviluppa sul filo tagliente durante la lavorazione del rame.

CrN has been developed to withstand high temperatures and heavy abrasion that develops on the cutting edge while processing copper.



HARD MAX è una nuova tecnologia Union Tool che offre un'eccellente resistenza all'usura e una buona scorrevolezza del truciolo. È impiegata su utensili per la lavorazione fino a 65 Hrc. Può essere usata sia a secco sia a umido.

HARD MAX is a new Union Tool technology that offers excellent wear resistance and good fluency of the chip. It's used on tools for working up to 65 Hrc. It can be used both wet and dry.



Rivestimento PVD che incrementa la durezza superficiale dell'utensile e la temperatura di ossidazione. Questo rivestimento aumenta la scorrevolezza del truciolo e mantiene il filo tagliente vivo.

PVD coating that increases the surface hardness of the tool and the oxidation temperature. It increases the chip flow and it keeps the cutting edge.



Evoluzione del rivestimento HARD MAX: è aumentata la temperatura di ossidazione e la resistenza all'abrasione. È impiegata su utensili per la lavorazione fino a 70 Hrc. Può essere usata sia a secco sia a umido.

Evolution of the coating HARD MAX: the oxidation temperature and the abrasion resistance are both increased. It's used on tools for working up to 70 Hrc. It can be used both wet and dry.



Alu speed è un rivestimento sviluppato per lavorare i materiali non ferrosi e materiali compositi abrasivi. Arriva ad una durezza di 5000Hv. Lo spessore minore di 1.5 microns garantisce un filo tagliente affilato.

Alu speed is an advanced ta-C coating for machining non-ferrous metals as well as composite and plastic materials. It reaches a hardness of over 5000 HV. The thin, smooth and extremely hard coating is designed to maintain maximum cutting edge sharpness in machining abrasive materials.



Nuovo rivestimento multi layer resistente all'abrasione. Ideato per applicazioni di fresatura su materiali a 70 HRC.

New multi layer coating with high abrasion resistance. For long tool life on hard materials over 70 HRC.



Utensile senza ricopertura.

Tool without coating.

LAVORAZIONI AGGIUNTIVE UTENSILI STD / ADDITIONAL PROCESSING FOR STANDARD TOOLS



Pianetto wiper
Wiper flats



Concentricità tra gambo e taglienti 4 μ
Run out 4 μ



Lubrificazione interna
Coolant holes



Geometria variabile GV
GV variable helix



Rapporto diametro/lunghezza
Ratio D/L



Preparazione filo tagliente per riduzione vibrazioni
Edge preparation to reduce or eliminate chatters



Preparazione del filo tagliente con processo controllato di onatura
Edge preparation with edge rounding process



Il profilo del vano gola è studiato per garantire un'evacuazione migliore del truciolo
Core diameter with special profile to improve chip evacuation



Il profilo frontale è raggato per migliorare la formazione del truciolo
Gash angle with micro geometry



Rompitruciolo piatto
Flat chip breaker

TOLLERANZA / TOLERANCE



$\pm 0,01$



$-0,01$
 $-0,035$

D 6 - 20



$\pm 0,005$



$\pm 0,01$



$\pm 0,007$

R > 3



$\pm 0,01$



$\pm 0,02$

CR ≤ 0,02

Tolleranza per Diametro

Diameter Tolerance

Tolleranza per Raggio

Radius Tolerance

Tolleranza per Raggio Torico

Corner Radius Tolerance

TOLLERANZA UTENSILE / TOOL TOLERANCE



Sull'etichetta trovate segnalata la tolleranza reale del prodotto

The real tolerance is described on the label of each tool

TOLLERANZA GAMBO / SHANK DIAMETER TOLERANCE



ϕd
0/-0,005



ϕd
h5

INCLINAZIONI / ANGLES



Inclinazione elica
Helix angle



Angolo di punta
Point angle

UTENSILE SU MISURA / TAILOR MADE



Il prodotto può essere realizzato su misura come utensile speciale

The product can be tailored as special tool

SETTORI DI UTILIZZO / SALES FIELDS



Aerospaziale
Aerospace



Auto e Racing
Automotive and Racing



Accessori Moda
Fashion



Medicale
Medical Care



Stampi
Dies



FRESE PIANE SQUARE END MILLS

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
B2	5302T	2T		FRESA PIANA 2T / 2 FLUTES SQUARE END MILL		D 1 - 20
B4	5303	3T		FRESA PIANA 3T CON ROMPITRUCIOLO NEL TAGLIANTE / 3 FLUTES SQUARE END MILL WITH CHIP BREAKER		D 3 - 20
B5	5303T			FRESA PIANA 3T SERIE CORTA / 3 FLUTES SQUARE END MILL, SHORT SERIES		D 1 - 20
B6	5303T					
B8	5303TFRC			FRESA PIANA 3T CON ROMPITRUCIOLO, CON LUBRIFICAZIONE INTERNA / 3 FLUTES SQUARE END MILL WITH CHIP BREAKER, WITH COOLANT HOLES		D 12 - 16
B9	5303TFRC					
B10	5103T				FRESA PIANA 3T SERIE CORTA - GV / 3 FLUTES SQUARE END MILL - GV	
B12	5104TEVO	4T		FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 12
B13	5104TEVO					
B14	5104T	FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 16		
B15	5104TR	FRESA PIANA 4T SERIE CORTA E LUNGA CON ROMPITRUCIOLO - GV ATTACCO WELDON 4 FLUTES SQUARE END MILL WITH CHIP BREAKER - GV		D 10 - 20		
B16	5104		FRESA PIANA 4T SERIE CORTA E LUNGA - GV 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV		D 3 - 20	
B17	5104					
B19	5104F		FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV		D 6 - 20	

INDICE PER TIPOLOGIA UTENSILE TOOL TYPE INDEX



Modello Model n°	P	H			M	K	N			S	HM	
	Acciai Steel	Hrc 45 - 55	Hrc 55 - 60	Hrc > 60	Acciai Inox Stainless Steel	Ghise Cast Iron	Alluminio e Leghe Aluminum & Alloys	Rame e Ottone Copper & Brass	Grafite e Fibre Graphite & Fibers	Super Leghe Heat Resistant Alloys	Carburi Cementati Cemented Carbide	
		Acciai Temprati Hardened Steel					Non Ferrosi Non Ferrous					
5302T							●	●				B2
5303							●	●				B4
5303T							●	●				B5
5303T							●	●				B6
5303TFRC							●	●				B8
5303TFRC							●	●				B9
5103T	●				●	●				●		B10
5104TEVO	●	●				●						B12
5104TEVO	●	●				●						B13
5104T	●				●	●				●		B14
5104TR	●				●	●				●		B15
5104	●				●	●				●		B16
5104	●				●	●				●		B17
5104F	●				●	●				●		B19



FRESE PIANE SQUARE END MILLS

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
B20	5 1 0 4 F	4T		FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV		D 6 - 20
B21	5 1 4 4 N			FRESA PIANA 4T SERIE CORTA A SGROSSARE RTF / 4 FLUTES SQUARE END MILL, SHORT SERIES - RTF		D 4 - 20
B22	5 3 0 5	5T		FRESA PIANA 5T SERIE CORTA E LUNGA / 5 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20
B23	5 1 0 6	6T		FRESA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20
B24	5 2 0 6			FRESA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20

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Modello Model n°	P	H			M	K	N			S	HM	
	Acciai Steel	Hrc 45 - 55	Hrc 55 - 60	Hrc > 60	Acciai Inox Stainless Steel	Ghise Cast Iron	Alluminio e Leghe Aluminum & Alloys	Rame e Ottone Copper & Brass	Grafite e Fibre Graphite & Fibers	Super Leghe Heat Resistant Alloys	Carburi Cementati Cemented Carbide	
		Acciai Temprati Hardened Steel					Non Ferrosi Non Ferrous					
5104F	●				●	●				●		B20
5144N	●				●	●						B21
5305							●	●				B22
5106	●				●					●		B23
5206		●	●									B24



FRESE TORICHE CORNER RADIUS END MILLS

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap	
C2	5703T	3T		FRESA TORICA 3T SERIE CORTA E LUNGA 3 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES		D 1,5 - 20	
C4	5703T						
C6	5713TFRC			FRESA TORICA 3T CON ROMPITRUCIOLO LUB CENTRALE DEEP CUT / 3 FLUTES CORNER RADIUS END MILL WITH COOLANT HOLES - CHIP BREAKER		D 6 - 16	
C7	5713TFRC						
C8	5814TR	4T		FRESA TORICA 4T SERIE CORTA, CON ROMPITRUCIOLO DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH CHIP BREAKER		D 6 - 12	
C9	5814TFRC			FRESA TORICA 4T SERIE CORTA, CON ROMPITRUCIOLO LUB INT DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH COOLANT HOLE - CHIP BREAKER		D 6 - 12	
C10	5834			FRESA TORICA 4T SERIE CORTA E LUNGA - GV 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 3 - 20	
C12	5834						
C15	5834T				FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 10 - 20
C16	5735TR				FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV		D 8 - 16
C17	5735TR						
C18	5835	5T		FRESA TORICA 5T SERIE CORTA E LUNGA - GV 5 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 6 - 20	
C19	5835T			FRESA TORICA 5T SERIE CORTA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 6 - 20	
C20	5835TR			FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV		D 8 - 20	

Modello Model n°	P	H			M	K	N			S	HM	
	Acciai Steel	Hrc 45 - 55	Hrc 55 - 60	Hrc > 60	Acciai Inox Stainless Steel	Ghise Cast Iron	Alluminio e Leghe Aluminum & Alloys	Rame e Ottone Copper & Brass	Grafite e Fibre Graphite & Fibers	Super Leghe Heat Resistant Alloys	Carburi Cementati Cemented Carbide	
		Acciai Temprati Hardened Steel					Non Ferrosi Non Ferrous					
5703T							●	●				C2
5703T							●	●				C4
5713TFRC							●	●				C6
5713TFRC							●	●				C7
5814TR	●				●					●		C8
5814TFRC	●				●					●		C9
5834	●				●	●				●		C10
5834	●				●	●				●		C12
5834T	●	●			●	●				●		C15
5735TR							●	●				C16
5735TR							●	●				C17
5835					●					●		C18
5835T	●				●	●				●		C19
5835TR	●				●	●				●		C20



FRESE TORICHE
CORNER RADIUS END MILLS

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
C21	5835TR	5T	NANO MAX	FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO - 6V / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - 6V		D 8 - 20
C23	5835TFR			FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO, CON LUBRIFICAZIONE INT. RADIALE 6V A 2 VIE - 6V 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES CHIP BREAKER, WITH RADIAL INTERNAL COOLANT HOLES 6V WITH 2 WAYS - 6V		D 8 - 20
C24	5806	6T	NANO MAX	FRESA TORICA 6T / 6 FLUTES CORNER RADIUS END MILL		D 6 - 16
C25	5863T	3T	IRON CUT	FRESA TORICA 3T - MINI BOOSTER / 3 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12
C26	5864T	4T	IRON CUT	FRESA TORICA 4T - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12
C27	5864TF			FRESA TORICA 4T CON LUBRIFICAZIONE INT. - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL WITH RADIAL COOLANT HOLES - MINI BOOSTER		D 6 - 12
C28	5866T	6T	IRON CUT	FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 6 - 12
C29	5866TFC		FRESA TORICA 6T LUB INT - MINI BOOSTER 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER INTERNAL COOLANT		D 6 - 12	
C30	5826		NANO MAX	FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12
C31	5836T		FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 6 - 12	

Modello Model n°	P	H			M	K	N			S	HM	
	Acciai Steel	Hrc 45 - 55	Hrc 55 - 60	Hrc > 60	Acciai Inox Stainless Steel	Ghise Cast Iron	Alluminio e Leghe Aluminum & Alloys	Rame e Ottone Copper & Brass	Grafite e Fibre Graphite & Fibers	Super Leghe Heat Resistant Alloys	Carburi Cementati Cemented Carbide	
		Acciai Temprati Hardened Steel					Non Ferrosi Non Ferrous					
5835TR	●				●	●				●		C21
5835TFR	●				●	●				●		C23
5806	●				●					●		C24
5863T	●				●					●		C25
5864T	●				●					●		C26
5864TF	●				●					●		C27
5866T	●				●							C28
5866TFC					●					●		C29
5826		●	●	●								C30
5836T			●	●								C31



FRESE SFERICHE
BALL NOSE END MILLS

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
D2	5902T	2T		FRESA SFERICA 2T GAMBO SCARICATO / 2 FLUTES BALL NOSE END MILL, STEP SHANK		R 2 - 10
D3	5903T	3T		FRESA SFERICA 3T GAMBO SCARICATO / 3 FLUTES BALL NOSE END MILL, STEP SHANK		R 2 - 10
D4	5904T	4T		FRESA SFERICA 4T - GV / 4 FLUTES BALL NOSE END MILL - GV		R 1 - 6
D5	5906T	6T		FRESA SFERICA 6T - GV / 6 FLUTES BALL NOSE END MILL - GV		R 3 - 6
D6	5975T	5T		FRESA OVALE A BOTTE 5T / 5 FLUTES END MILL OVAL BARREL FORM		R 1 - 3

Modello Model n°	P	H			M	K	N			S	HM	
	Acciai Steel	Hrc 45 - 55	Hrc 55 - 60	Hrc > 60	Acciai Inox Stainless Steel	Ghise Cast Iron	Alluminio e Leghe Aluminum & Alloys	Rame e Ottone Copper & Brass	Grafite e Fibre Graphite & Fibers	Super Leghe Heat Resistant Alloys	Carburi Cementati Cemented Carbide	
		Acciai Temprati Hardened Steel					Non Ferrosi Non Ferrous					
5902T							●	●				D2
5903T							●	●				D3
5904T	●				●	●				●		D4
5906T	●				●	●				●		D5
5975T	●	●			●					●		D6



ACCIAI
STEEL

P

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE PIANE SQUARE END MILLS					
B10	5 103 T	3T	FRESA PIANA 3T SERIE CORTA - GV / 3 FLUTES SQUARE END MILL - GV		D 1 - 12
B12	5 104 TEVO		FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 12
B13	5 104 TEVO				
B14	5 104 T	4T	FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 16
B15	5 104 TR		FRESA PIANA 4T SERIE CORTA E LUNGA CON ROMPIRUCIOLO - GV ATTACCO WELDON / 4 FLUTES SQUARE END MILL WITH CHIP BREAKER - GV		D 10 - 20
B16	5 104		FRESA PIANA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV		D 3 - 20
B17	5 104				
B19	5 104 F		FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV		D 6 - 20
B20	5 104 F				
B21	5 144 N	FRESA PIANA 4T SERIE CORTA A SGROSSARE RTF / 4 FLUTES SQUARE ROUGHING END MILL, SHORT SERIES - RTF		D 4 - 20	
B23	5 106	6T	FRESA PIANA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20

Vedi anche / See also

A14

A17 A18 A21 A23 A25

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap	
FRESE TORICHE CORNER RADIUS END MILLS						
5814TR			FRESA TORICA 4T SERIE CORTA, CON ROMPIRUCIOLO DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH CHIP BREAKER		D 6 - 12	C8
5814TFRC			FRESA TORICA 4T SERIE CORTA, CON ROMPIRUCIOLO LUB INT DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH COOLANT HOLE - CHIP BREAKER		D 6 - 12	C9
5834	4T		FRESA TORICA 4T SERIE CORTA E LUNGA - GV 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 3 - 20	C10
5834						C12
5834T			FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 10 - 20	C15
5835T			FRESA TORICA 5T SERIE CORTA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 6 - 20	C19
5835TR	5T		FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV		D 8 - 20	C20
5835TR						C21
5835TFR			FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO, CON LUBRIFICAZIONE INT. RADIALE 6V A 2 VIE - GV 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES CHIP BREAKER, WITH RADIAL INTERNAL COOLANT HOLES 6V WITH 2 WAYS - GV		D 8 - 20	C23
5806	6T		FRESA TORICA 6T / 6 FLUTES CORNER RADIUS END MILL		D 6 - 16	C24
5863T	3T		FRESA TORICA 3T - MINI BOOSTER / 3 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12	C25
5864T	4T		FRESA TORICA 4T - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12	C26
5864TF			FRESA TORICA 4T CON LUBRIFICAZIONE INT. - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL WITH RADIAL COOLANT HOLES - MINI BOOSTER		D 6 - 12	C27
5866T	6T		FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 6 - 12	C28

Vedi anche / See also

H A17 **M** A18 **K** A21 **N** A23 **S** A25

P

FRESE SFERICHE BALL NOSE END MILLS

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
D4	5904T	4T		FRESA SFERICA 4T - GV / 4 FLUTES BALL NOSE END MILL - GV		R 1 - 6
D5	5906T	6T		FRESA SFERICA 6T - GV / 6 FLUTES BALL NOSE END MILL - GV		R 3 - 6
D6	5975T	5T		FRESA OVALE A BOTTE 5T / 5 FLUTES END MILL OVAL BARREL FORM		R 1 - 3

Vedi anche / See also

A16

 H

A17

 M

A18

 K

A21

 N

A23

 S

A25



ACCIAI TEMPRATI
HARDENED STEEL

H

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE PIANE SQUARE END MILLS					
5104TEVO	4T		FRESE PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 12
5104TEVO					B12
5206	6T		FRESE PIANA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20
FRESE TORICHE CORNER RADIUS END MILLS					
5834T	4T		FRESE TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 10 - 20
5826	6T		FRESE TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12
5836T			FRESE TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 6 - 12
FRESE SFERICHE BALL NOSE END MILLS					
5975T	5T		FRESE OVALE A BOTTE 5T / 5 FLUTES END MILL OVAL BARREL FORM		R 1 - 3

Vedi anche / See also

- A14
- A18
- A21
- A23
- A25

M

ACCIAI INOX
STAINLESS STEEL

M



	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap		
FRESE PIANE SQUARE END MILLS								
B10	5 103 T	3T		FRESA PIANA 3T SERIE CORTA - GV / 3 FLUTES SQUARE END MILL - GV		D 1 - 12		
B14	5 104 T	4T		FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 16		
B15	5 104 TR			FRESA PIANA 4T SERIE CORTA E LUNGA CON ROMPIRUCIOLO - GV ATTACCO WELDON / 4 FLUTES SQUARE END MILL WITH CHIP BREAKER - GV		D 10 - 20		
B16	5 104			FRESA PIANA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV		D 3 - 20		
B17	5 104							
B19	5 104 F			FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV		D 6 - 20		
B20	5 104 F							
B21	5 144 N				FRESA PIANA 4T SERIE CORTA A SGROSSARE RTF / 4 FLUTES SQUARE ROUGHING END MILL, SHORT SERIES - RTF		D 4 - 20	
B23	5 106			6T		FRESA PIANA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20

Vedi anche / See also

A18



A14



A17



A21



A23



A25

M

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap	
FRESE TORICHE CORNER RADIUS END MILLS						
5814TR	4T		FRESA TORICA 4T SERIE CORTA, CON ROMPI TRUCIOLO DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH CHIP BREAKER		D 6 - 12	C8
5814TFRC			FRESA TORICA 4T SERIE CORTA, CON ROMPI TRUCIOLO LUB INT DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH COOLANT HOLE - CHIP BREAKER		D 6 - 12	C9
5834			FRESA TORICA 4T SERIE CORTA E LUNGA - GV 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 3 - 20	C10
5834T			FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 10 - 20	C15
5835	5T		FRESA TORICA 5T SERIE CORTA E LUNGA - GV 5 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 6 - 20	C18
5835T			FRESA TORICA 5T SERIE CORTA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 6 - 20	C19
5835TR			FRESA TORICA 5T SERIE CORTA ROMPI TRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV		D 8 - 20	C20
5835TR						C21
5835TFR				FRESA TORICA 5T SERIE CORTA ROMPI TRUCIOLO, CON LUBRIFICAZIONE INT. RADIALE 5Y A 2 VIE - GV 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES CHIP BREAKER, WITH RADIAL INTERNAL COOLANT HOLES 5Y WITH 2 WAYS - GV		D 8 - 20
5806	6T		FRESA TORICA 6T / 6 FLUTES CORNER RADIUS END MILL		D 6 - 16	C24
5863T	3T		FRESA TORICA 3T - MINI BOOSTER / 3 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12	C25
5864T	4T		FRESA TORICA 4T - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12	C26
5864TF			FRESA TORICA 4T CON LUBRIFICAZIONE INT. - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL WITH RADIAL COOLANT HOLES - MINI BOOSTER		D 6 - 12	C27
5866T	6T		FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 6 - 12	C28
5866TFC			FRESA TORICA 6T LUB INT - MINI BOOSTER 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER INTERNAL COOLANT		D 6 - 12	C29

Vedi anche / See also

A14 A17 A21 A23 A25

M

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE SFERICHE BALL NOSE END MILLS						
D4	5904T	4T		FRESA SFERICA 4T - GV / 4 FLUTES BALL NOSE END MILL - GV		R 1 - 6
D5	5906T	6T		FRESA SFERICA 6T - GV / 6 FLUTES BALL NOSE END MILL - GV		R 3 - 6
D6	5975T	5T		FRESA OVALE A BOTTE 5T / 5 FLUTES END MILL OVAL BARREL FORM		R 1 - 3

Vedi anche / See also

A20

 A14

 A17

 A21

 A23

 A25



GHISE
CAST IRON

K

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE PIANE SQUARE END MILLS					
5103T	3T		FRESA PIANA 3T SERIE CORTA - GV / 3 FLUTES SQUARE END MILL - GV		D 1 - 12 B10
5104TEV0	4T		FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 12 B12
5104TEV0				B13	
5104T		FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 16 B14	
5104TR		FRESA PIANA 4T SERIE CORTA E LUNGA CON ROMPI TRUCIOLO - GV ATTACCO WELDON / 4 FLUTES SQUARE END MILL WITH CHIP BREAKER - GV		D 10 - 20 B15	
5104			FRESA PIANA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV		D 3 - 20 B16
5104				B17	
5104F			FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV		D 6 - 20 B19
5104F					B20
5144N			FRESA PIANA 4T SERIE CORTA A SGROSSARE RTF / 4 FLUTES SQUARE ROUGHING END MILL, SHORT SERIES - RTF		D 4 - 20 B21

Vedi anche / See also

- A14 A17 A18 A23 A25

K

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE TORICHE CORNER RADIUS END MILLS						
C10	5834	4T		FRESA TORICA 4T SERIE CORTA E LUNGA - GV 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 3 - 20
C12	5834					
C15	5834T			FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 10 - 20
C19	5835T	5T		FRESA TORICA 5T SERIE CORTA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 6 - 20
C20	5835TR			FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV		D 8 - 20
C21	5835TR					
C23	5835TFR			FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO, CON LUBRIFICAZIONE INT. RADIALE 5Y A 2 VIE - GV 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES CHIP BREAKER, WITH RADIAL INTERNAL COOLANT HOLES 5Y WITH 2 WAYS - GV		D 8 - 20
FRESE SFERICHE BALL NOSE END MILLS						
D4	5904T	4T		FRESA SFERICA 4T - GV / 4 FLUTES BALL NOSE END MILL - GV		R 1 - 6
D5	5906T	6T		FRESA SFERICA 6T - GV / 6 FLUTES BALL NOSE END MILL - GV		R 3 - 6

Vedi anche / See also

A22



A14



A17



A18



A23



A25

N

NON FERROSI
NON FERROUS

N

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE PIANE SQUARE END MILLS					
5302T	2T		FRESA PIANA 2T / 2 FLUTES SQUARE END MILL		D 1 - 20 B2
5303			FRESA PIANA 3T CON ROMPIRUCIOLO NEL TAGLIANTE / 3 FLUTES SQUARE END MILL WITH CHIP BREAKER		D 3 - 20 B4
5303T			FRESA PIANA 3T SERIE CORTA / 3 FLUTES SQUARE END MILL, SHORT SERIES		D 1 - 20 B5
5303T					B6
5303TFRC			FRESA PIANA 3T CON ROMPIRUCIOLO, CON LUBRIFICAZIONE INTERNA / 3 FLUTES SQUARE END MILL WITH CHIP BREAKER, WITH COOLANT HOLES		D 12 - 16 B8
5303TFRC				B9	
5305	5T		FRESA PIANA 5T SERIE CORTA E LUNGA / 5 FLUTES SQUARE END MILL, SHORT & LONG SERIES		D 6 - 20 B22

Vedi anche / See also

A14 A17 A18 A21 A25

N

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE TORICHE CORNER RADIUS END MILLS						
C2	5703T			FRESA TORICA 3T SERIE CORTA E LUNGA 3 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES		D 1,5 - 20
C4	5703T	3T				
C6	5713TFRC			FRESA TORICA 3T CON ROMPIRUCIOLO LUB CENTRALE DEEP CUT / 3 FLUTES CORNER RADIUS END MILL WITH COOLANT HOLES - CHIP BREAKER		D 6 - 16
C7	5713TFRC					
C16	5735TR			FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV		D 8 - 16
C17	5735TR	5T				
FRESE SFERICHE BALL NOSE END MILLS						
D2	5902T	2T		FRESA SFERICA 2T GAMBO SCARICATO / 2 FLUTES BALL NOSE END MILL, STEP SHANK		R 2 - 10
D3	5903T	3T		FRESA SFERICA 3T GAMBO SCARICATO / 3 FLUTES BALL NOSE END MILL, STEP SHANK		R 2 - 10

Vedi anche / See also

A24



A14



A17



A18



A21



A25



SUPER LEGHE
HEAT RESISTANT ALLOYS

S

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE PIANE SQUARE END MILLS					
5103T	3T		FRESA PIANA 3T SERIE CORTA - GV / 3 FLUTES SQUARE END MILL - GV		D 1 - 12 B10
5104T	4T		FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES		D 6 - 16 B14
5104TR			FRESA PIANA 4T SERIE CORTA E LUNGA CON ROMPIRUCIOLO - GV ATTACCO WELDON / 4 FLUTES SQUARE END MILL WITH CHIP BREAKER - GV		D 10 - 20 B15
5104			FRESA PIANA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV		D 3 - 20 B16
5104				B17	
5104F			FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV		D 6 - 20 B19
5104F				B20	

Vedi anche / See also

- A14
 A17
 A18
 A21
 A23

S

	Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE TORICHE CORNER RADIUS END MILLS						
C8	5814TR			FRESA TORICA 4T SERIE CORTA, CON ROMPITRUCIOLO DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH CHIP BREAKER		D 6 - 12
C9	5814TFRC			FRESA TORICA 4T SERIE CORTA, CON ROMPITRUCIOLO LUB INT DEEP CUT / 4 FLUTES CORNER RADIUS END MILL WITH COOLANT HOLE - CHIP BREAKER		D 6 - 12
C10	5834	4T		FRESA TORICA 4T SERIE CORTA E LUNGA - GV 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 3 - 20
C12	5834					
C15	5834T			FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 10 - 20
C18	5835			FRESA TORICA 5T SERIE CORTA E LUNGA - GV 5 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV		D 6 - 20
C19	5835T	5T		FRESA TORICA 5T SERIE CORTA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 6 - 20
C20	5835TR					D 8 - 20
C21	5835TR					
C23	5835TFR	5T		FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO, CON LUBRIFICAZIONE INT. RADIALE 6V A 2 VIE - GV 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES CHIP BREAKER, WITH RADIAL INTERNAL COOLANT HOLES 6V WITH 2 WAYS - GV		D 8 - 20
C24	5806	6T		FRESA TORICA 6T / 6 FLUTES CORNER RADIUS END MILL		D 6 - 16
C25	5863T	3T		FRESA TORICA 3T - MINI BOOSTER / 3 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12
C26	5864T	4T		FRESA TORICA 4T - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL - MINI BOOSTER		D 1 - 12
C27	5864TF			FRESA TORICA 4T CON LUBRIFICAZIONE INT. - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL WITH RADIAL COOLANT HOLES - MINI BOOSTER		D 6 - 12
C29	5866TFC	6T		FRESA TORICA 6T LUB INT - MINI BOOSTER 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER INTERNAL COOLANT		D 6 - 12

Vedi anche / See also

A26



A14



A17



A18



A21



A23

S

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
FRESE SFERICHE BALL NOSE END MILLS					
5904T	4T		FRESA SFERICA 4T - GV / 4 FLUTES BALL NOSE END MILL - GV		R 1 - 6 D4
5906T	6T		FRESA SFERICA 6T - GV / 6 FLUTES BALL NOSE END MILL - GV		R 3 - 6 D5
5975T	5T		FRESA OVALE A BOTTE 5T / 5 FLUTES END MILL OVAL BARREL FORM		R 1 - 3 D6

Vedi anche / See also

 A14  A17  A18  A21  A23

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FRESE PIANE SQUARE END MILLS

SEZIONE / SECTION B 1 - 24



5302T

FRESA PIANA 2T / 2 FLUTES SQUARE END MILL

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 20



Cod.	øD	l	L	ød
5302T-010-020	1	2	51	4
5302T-010-030	1	3	51	4
5302T-010-030-G6	1	3	51	6
5302T-010-040	1	4	51	4
5302T-010-040-G6	1	4	51	6
5302T-010-050	1	5	51	4
5302T-010-060	1	6	51	4
5302T-015-030	1,5	3	51	4
5302T-015-045-G6	1,5	4,5	58	6
5302T-015-060-G6	1,5	6	58	6
5302T-015-075-G6	1,5	7,5	58	6
5302T-020-040	2	4	51	4
5302T-020-040-G6	2	4	58	6
5302T-020-060	2	6	51	4
5302T-020-060-G6	2	6	58	6
5302T-020-080	2	8	51	4
5302T-020-080-G6	2	8	58	6
5302T-020-100-G6	2	10	58	6
5302T-025-050-G6	2,5	5	58	6
5302T-025-075-G6	2,5	7,5	58	6
5302T-030-060	3	6	58	6
5302T-030-090	3	9	58	6
5302T-030-120	3	12	58	6
5302T-035-070	3,5	7	58	6
5302T-040-080	4	8	58	6
5302T-040-120	4	12	58	6

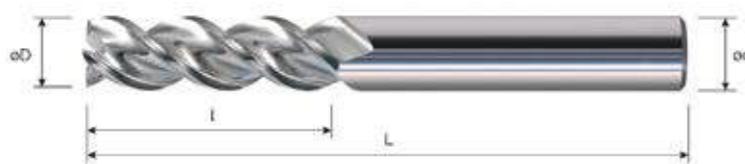
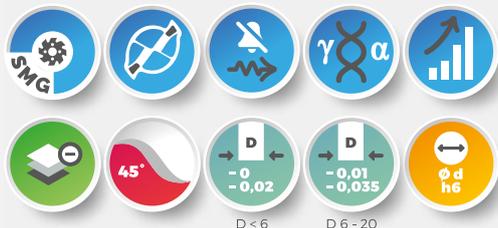


Cod.	øD	l	L	ød
5302T-040-160	4	16	58	6
5302T-045-090	4,5	9	58	6
5302T-050-100	5	10	58	6
5302T-050-150	5	15	58	6
5302T-055-110	5,5	11	58	6
5302T-060-120	6	12	58	6
5302T-060-180	6	18	58	6
5302T-065-130	6,5	13	64	8
5302T-070-140	7	14	64	8
5302T-075-150	7,5	15	64	8
5302T-080-160	8	16	64	8
5302T-080-240	8	24	64	8
5302T-090-180	9	18	73	10
5302T-100-200	10	20	73	10
5302T-100-300	10	30	73	10
5302T-100-500	10	50	101	10
5302T-110-220	11	22	84	12
5302T-120-240	12	24	84	12
5302T-120-360	12	36	84	12
5302T-130-260	13	26	84	14
5302T-140-280	14	28	84	14
5302T-150-300	15	30	93	16
5302T-160-320	16	32	93	16
5302T-160-480	16	48	110	16
5302T-180-360	18	36	93	18
5302T-200-400	20	40	105	20
5302T-200-600	20	60	125	20

5303

FRESA PIANA 3T CON ROMPIRUCIOLO NEL TAGLIENTE / 3 FLUTES SQUARE END MILL WITH CHIP BREAKER

MISURE DISPONIBILI / AVAILABLE SIZES D 3 - 20



Cod.	øD	l	L	ød
5303-030-L6	3	6	50	3
5303-030-L9	3	9	50	3
5303-040-L8	4	8	51	4
5303-040-L12	4	12	51	4
5303-050-L10	5	10	51	5
5303-050-L15	5	15	51	5
5303-060-L12	6	12	58 *	6
5303-060-L18	6	18	58 *	6
5303-080-L16	8	16	64	8
5303-080-L24	8	24	64 *	8
5303-100-L20	10	20	73 *	10
5303-100-L30	10	30	73 *	10
5303-120-L24	12	24	84 *	12
5303-120-L36	12	36	84 *	12
5303-140-L30	14	30	84 *	14
5303-160-L32	16	32	93 *	16
5303-160-L48	16	48	110 *	16
5303-180-L40	18	40	115 *	18
5303-200-L40	20	40	105	20
5303-200-L60	20	60	125	20
5303-200-L70	20	70	135	20
5303-200-L80	20	80	135	20

Note / Notes

MODIFICHE IN CORSO PER IL 2026. / CHANGES IN PROGRESS FOR 2026. *
 INDICATA PER GROSSE ASPORTAZIONI. UN NUOVO ROMPIRUCIOLO NELL'ELICA GARANTISCE GROSSI VOLUMI DI TRUCIOLO ASPORTATI
 GENERANDO BASSE FORZE DI TAGLIO. RICOPERTURA DLC SU RICHIESTA. / SUITABLE FOR HEAVY REMOVAL. A NEW CHIP BREAKER ENSURES
 LARGE VOLUMES OF REMOVED CHIP, GENERATING LOW CUTTING FORCES. THIS LINE IS AVAILABLE ON REQUEST ALSO COATED DLC.

Alternative / Alternatives
 5303T 3T - AZS 3T

5303T

FRESA PIANA 3T SERIE CORTA / 3 FLUTES SQUARE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 20

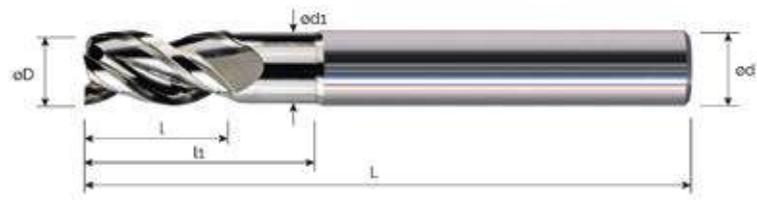


FIG.1

Cod.	$\varnothing D$	l	l_1	$\varnothing d_1$	L	$\varnothing d$
5303T-015-06	1,5	3	6	1,45	51	4
5303T-020-08	2	4	8	1,95	51	4
5303T-025-10	2,5	5	10	2,45	51	4
5303T-030-09	3	6	9	2,95	58	6
5303T-040-12	4	8	12	3,95	58	6
5303T-050-15	5	10	15	4,9	58	6
5303T-060-18	6	12	18	5,7	58	6
5303T-060-24	6	12	24	5,7	58	6
5303T-060-30	6	12	30	5,7	58	6
5303T-080-24	8	16	24	7,6	64	8
5303T-080-32	8	16	32	7,6	80	8
5303T-080-40	8	16	40	7,6	80	8
5303T-100-30	10	20	30	9,5	73	10
5303T-100-40	10	20	40	9,5	100	10
5303T-100-50	10	20	50	9,5	100	10
5303T-120-36	12	24	36	11,4	84	12
5303T-120-48	12	24	48	11,4	110	12
5303T-120-60	12	24	60	11,4	110	12
5303T-160-48	16	32	48	15,2	110 *	16
NEW 5303T-160-64	16	32	64	15,2	110	16



Note / Notes

MODIFICHE IN CORSO PER IL 2026. / CHANGES IN PROGRESS FOR 2026. *

RICOPERTURA DLC SU RICHIESTA. / THIS LINE IS AVAILABLE ON REQUEST ALSO DLC COATED.

Alternative / Alternatives
5303 3T - AZS 3T

5303T

FRESA PIANA 3T SERIE CORTA / 3 FLUTES SQUARE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 20

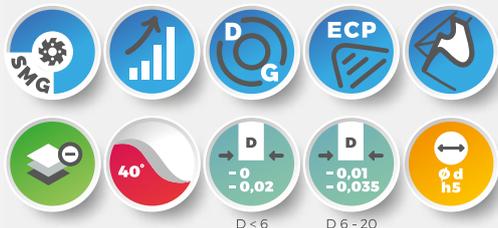


FIG.2

Cod.	øD	l	l1	ød1	L	ød
5303T-010-030-66	1	3	-	-	51	6
5303T-010-040	1	4	-	-	51	4
5303T-012-024	1,2	2,4	-	-	51	4
5303T-012-035	1,2	3,5	-	-	51	4
5303T-015-030	1,5	3	-	-	51	4
5303T-015-045	1,5	4,5	-	-	51	4
5303T-015-045-66	1,5	4,5	-	-	51	6
5303T-015-060-66	1,5	6	-	-	51	6
5303T-015-075-66	1,5	7,5	-	-	51	6
5303T-020-040	2	4	-	-	51	4
5303T-020-040-66	2	4	-	-	51	6
5303T-020-060	2	6	-	-	51	4
5303T-020-060-66	2	6	-	-	51	6
5303T-020-080	2	8	-	-	51	4
5303T-020-080-66	2	8	-	-	51	6
5303T-020-100-66	2	10	-	-	51	6
5303T-020-120-66	2	12	-	-	51	6
5303T-025-050	2,5	5	-	-	51	4
5303T-025-075	2,5	7,5	-	-	51	4
5303T-025-075-66	2,5	7,5	-	-	51	6
5303T-030-060	3	6	-	-	58	6
5303T-030-090	3	9	-	-	58	6
5303T-030-120	3	12	-	-	58	6
5303T-040-080	4	8	-	-	58	6
5303T-040-120	4	12	-	-	58	6
5303T-040-160	4	16	-	-	58	6

Cod.	øD	l	l ₁	ød ₁	L	ød
5303T-050-100	5	10	-	-	58	6
5303T-050-150	5	15	-	-	58	6
5303T-060-120	6	12	-	-	58	6
5303T-060-180	6	18	-	-	58	6
5303T-060-240	6	24	-	-	58	6
5303T-080-160	8	16	-	-	64	8
5303T-080-240	8	24	-	-	64	8
NEW 5303T-080-320	8	32	-	-	80	8
NEW 5303T-080-400	8	40	-	-	80	8
5303T-100-200	10	20	-	-	73	10
5303T-100-300	10	30	-	-	73	10
NEW 5303T-100-400	10	40	-	-	100	10
NEW 5303T-100-500	10	50	-	-	100	10
5303T-120-240	12	24	-	-	84	12
5303T-120-360	12	36	-	-	84	12
NEW 5303T-120-480	12	48	-	-	110	12
NEW 5303T-120-600	12	60	-	-	110	12
5303T-160-320	16	32	-	-	93	16
5303T-160-480	16	48	-	-	110	16
NEW 5303T-160-640	16	64	-	-	120	16
5303T-200-400	20	40	-	-	105	20
5303T-200-600	20	60	-	-	125	20



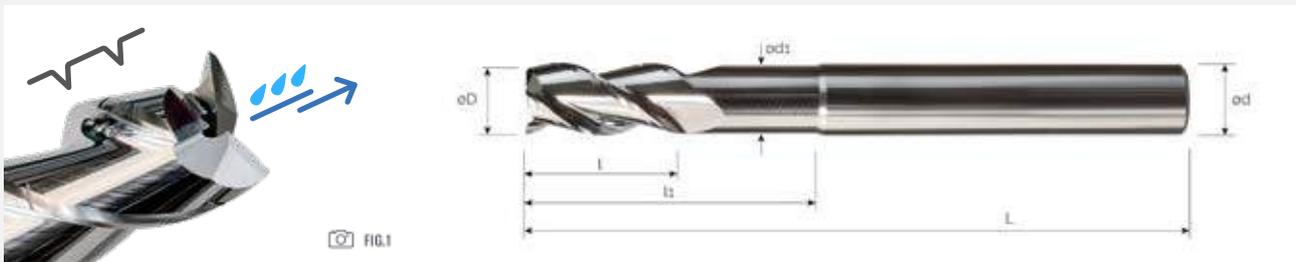
Note / Notes
RICOPERTURA DLC SU RICHIESTA. / THIS LINE IS AVAILABLE ON REQUEST ALSO DLC COATED.

Alternative / Alternatives
5303 3T - AZS 3T

5303TFRC

FRESA PIANA 3T CON ROMPITRUCIOLO, CON LUBRIFICAZIONE INTERNA / 3 FLUTES SQUARE END MILL
WITH CHIP BREAKER, WITH COOLANT HOLES

MISURE DISPONIBILI / AVAILABLE SIZES D 12 - 16



Cod.	øD	l	l1	ød1	Bta	L	ød
NEW 5303TFRC-120-48	12	24	48	11,7	-	109	12
NEW 5303TFRC-120-60	12	24	60	11,7	-	109	12
NEW 5303TFRC-160-48	16	32	48	15,2	-	109	16
NEW 5303TFRC-160-64	16	32	64	15,2	-	120	16

5303TFRC

FRESA PIANA 3T CON ROMPITRUCIOLO, CON LUBRIFICAZIONE INTERNA / 3 FLUTES SQUARE END MILL
WITH CHIP BREAKER, WITH COOLANT HOLES

MISURE DISPONIBILI / AVAILABLE SIZES D 12 - 16

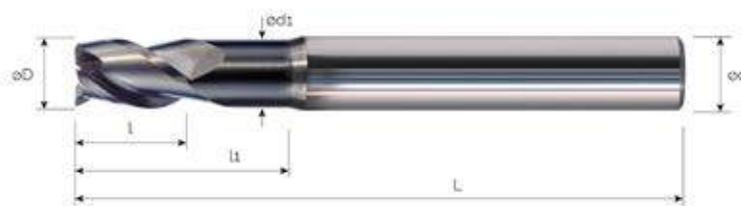


Cod.	øD	l	l1	ød1	Bta	L	ød
NEW 5303TFRC-120-360	12	36	-	-	-	80	12
NEW 5303TFRC-120-480	12	48	-	-	-	109	12
NEW 5303TFRC-120-600	12	60	-	-	-	109	12
NEW 5303TFRC-160-480	16	48	-	-	-	109	16
NEW 5303TFRC-160-640	16	64	-	-	-	120	16

5103T

FRESA PIANA 3T SERIE CORTA - GV / 3 FLUTES SQUARE END MILL - GV

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 12



Cod.	øD	l	l1	ød1	L	ød
5103T-010-03	1	1,5	3	0,9	51	4
5103T-012-03	1,2	1,8	3,6	1,1	51	4
5103T-015-04	1,5	2,25	4,5	1,4	51	4
5103T-018-05	1,8	2,7	5,4	1,7	51	4
5103T-020-06-G6	2	3	6	1,9	51	6
5103T-025-07-G6	2,5	3,75	7,5	2,4	51	6
5103T-029-08-G6	2,9	4,35	8,7	2,8	51	6
5103T-030-09	3	4,5	9	2,9	51	6
5103T-035-10	3,5	5,25	10,5	3,4	51	6
5103T-039-11	3,9	5,85	11,7	3,8	51	6
5103T-040-12	4	6	12	3,9	51	6
5103T-045-13	4,5	6,75	13,5	4,4	51	6
5103T-049-14	4,9	7,35	14,7	4,8	51	6
5103T-050-15	5	7,5	15	4,9	51	6
5103T-055-16	5,5	8,25	16,5	5,4	51	6
5103T-059-17	5,9	8,85	17,7	5,8	51	6
5103T-060-18	6	9	18	5,9	51	6
5103T-065-19	6,5	9,75	19,5	6,4	64	8
5103T-070-21	7	10,5	21	6,9	64	8
5103T-075-22	7,5	11,25	22,5	7,3	64	8
5103T-079-23	7,9	11,85	23,7	7,7	64	8
5103T-080-24	8	12	24	7,8	64	8
5103T-085-25	8,5	12,75	25,5	8,3	73	10
5103T-089-26	8,9	13,35	26,7	8,6	73	10
5103T-090-27	9	13,5	27	8,7	73	10
5103T-095-28	9,5	14,25	28,5	9,3	73	10

Note / Notes

TUTTE LE FRESE SONO PROVISTE DI SMUSSO: D 1 - 2 → SMUSSO 0,02 - D 2,5 - 7,9 → SMUSSO 0,05 - D 8 - 12 → SMUSSO 0,075.

ALL TOOLS HAVE A CHAMFER EDGE: D 1 - 2 → CHAMFER 0,02 - D 2,5 - 7,9 → CHAMFER 0,05 - D 8 - 12 → CHAMFER 0,075.

Cod.	øD	l	l ₁	ød ₁	L	ød
5103T-099-29	9,9	14,85	29,7	9,7	73	10
5103T-100-30	10	15	30	9,8	73	10
5103T-105-31	10,5	15,75	31,5	10,3	84	12
5103T-110-33	11	16,5	33	10,8	84	12
5103T-115-34	11,5	17,25	34,5	11,3	84	12
5103T-119-35	11,9	17,85	35,7	11,7	84	12
5103T-120-36	12	18	36	11,8	84	12

TOLLERANZA / **TOLERANCE** / **e8**

Cod.	øD	l	l ₁	ød ₁	L	ød
5103T-010-03E8	1	1,5	3	0,9	51	4
5103T-020-06E8-66	2	3	6	1,9	51	6
5103T-030-09E8	3	4,5	9	2,9	51	6
5103T-040-12E8	4	6	12	3,9	51	6
5103T-050-15E8	5	7,5	15	4,9	51	6
5103T-060-18E8	6	9	18	5,9	51	6
5103T-080-24E8	8	12	24	7,8	64	8
5103T-100-30E8	10	15	30	9,8	73	10
5103T-120-36E8	12	18	36	11,8	84	12

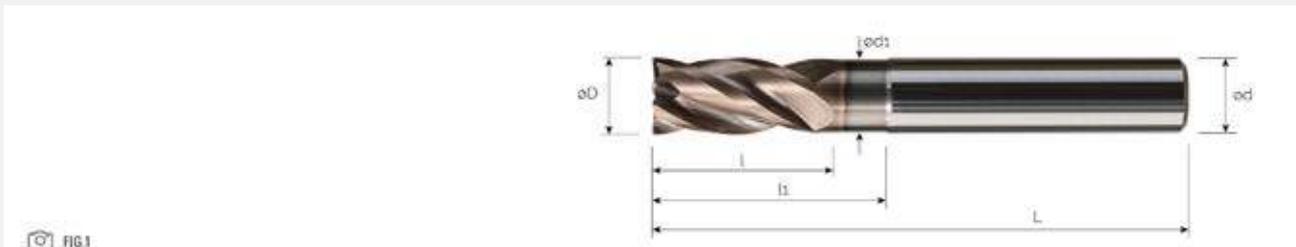
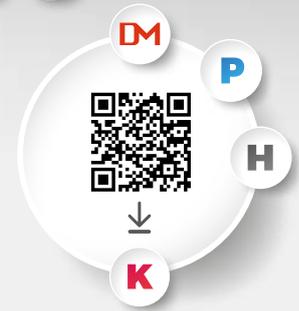
Note / Notes

TUTTE LE FRESE SONO PROVISTE DI SMUSSO: D 1 - 2 → SMUSSO 0,02 - D 2,5 - 7,9 → SMUSSO 0,05 - D 8 - 12 → SMUSSO 0,075.
 ALL TOOLS HAVE A CHAMFER EDGE: D 1 - 2 → CHAMFER 0,02 - D 2,5 - 7,9 → CHAMFER 0,05 - D 8 - 12 → CHAMFER 0,075.

5104TEVO

FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12



Cod.	øD	l	l1	ød1	Bta	L	ød
NEW 5104TEVO-060-12	6	6	12	5,9	-	58	6
NEW 5104TEVO-060-18	6	9	18	5,9	-	58	6
NEW 5104TEVO-080-16	8	8	16	7,9	-	64	8
NEW 5104TEVO-080-24	8	12	24	7,9	-	64	8
NEW 5104TEVO-100-20	10	10	20	9,8	-	73	10
NEW 5104TEVO-100-30	10	15	30	9,8	-	73	10
NEW 5104TEVO-120-24	12	12	24	11,7	-	84	12
NEW 5104TEVO-120-36	12	18	36	11,7	-	84	12

5104TEVO

FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12

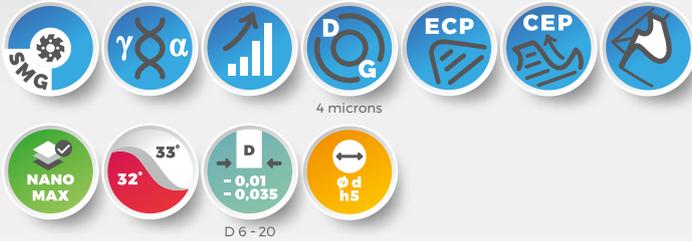


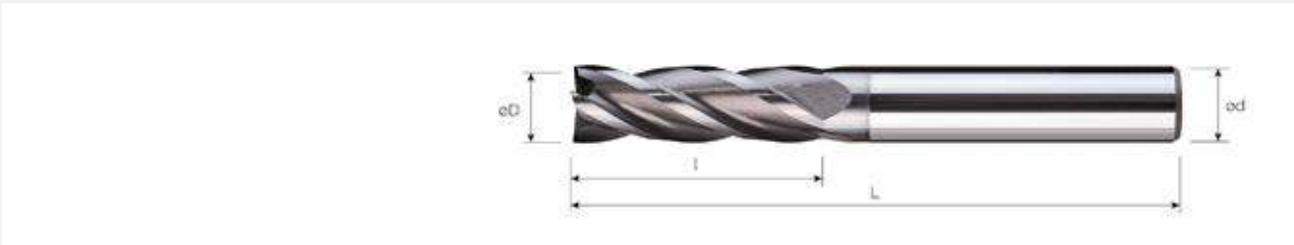
FIG.2

Cod.	øD	l	l1	ød1	Bta	L	ød
NEW 5104TEVO-060-120	6	12	-	-	-	58	6
NEW 5104TEVO-060-180	6	18	-	-	-	58	6
NEW 5104TEVO-080-160	8	16	-	-	-	64	8
NEW 5104TEVO-080-240	8	24	-	-	-	64	8
NEW 5104TEVO-100-200	10	20	-	-	-	73	10
NEW 5104TEVO-100-300	10	30	-	-	-	73	10
NEW 5104TEVO-120-240	12	24	-	-	-	84	12
NEW 5104TEVO-120-360	12	36	-	-	-	84	12

5104T

FRESA PIANA 4T SERIE CORTA / 4 FLUTES SQUARE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 16



Cod.	ϕD	l	L	ϕd
5104T-060-180	6	18	58	6
5104T-080-240	8	24	64	8
5104T-100-300	10	30	73	10
5104T-120-360	12	36	84	12
5104T-160-320	16	32	93	16

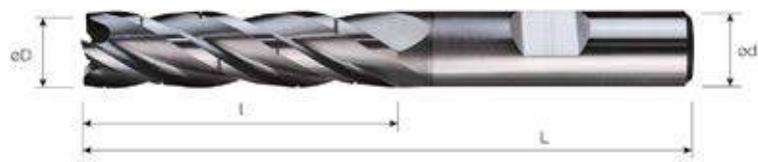
5104TR

FRESA PIANA 4T SERIE CORTA E LUNGA CON ROMPIRUCIOLO - GV ATTACCO WELDON

4 FLUTES SQUARE END MILL WITH CHIP BREAKER - GV MISURE DISPONIBILI / AVAILABLE SIZES D 10 - 20



D 6 - 20



Cod.	øD	l	L	ød	W
5104TR-100-300W	10	30	73	10	✓
5104TR-100-400W	10	40	80	10	✓
5104TR-100-500W	10	50	100	10	✓
5104TR-120-360W	12	36	84	12	✓
5104TR-120-480W	12	48	110	12	✓
5104TR-120-600W	12	60	120	12	✓
5104TR-160-480W	16	48	110	16	✓
5104TR-160-640W	16	64	120	16	✓
5104TR-160-800W	16	80	140	16	✓
5104TR-200-600W	20	60	125	20	✓
5104TR-200-800W	20	80	150	20	✓

5104

FRESA PIANA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES D 3 - 20

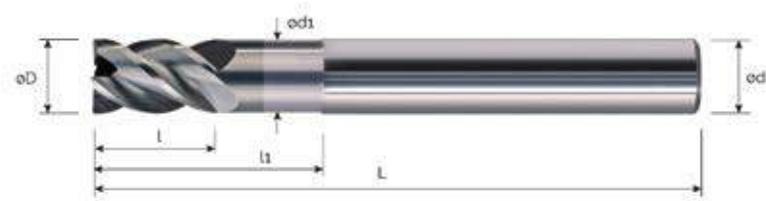
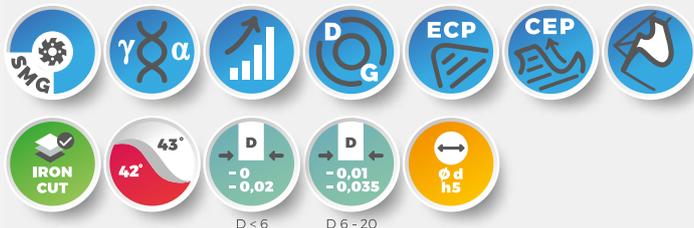


FIG.1

Cod.	øD	l	l1	ød1	L	ød
5104-060-12	6	6	12	5,9	58	6
5104-060-18	6	9	18	5,9	58	6
5104-060-24	6	9	24	5,9	80	6
5104-060-30	6	9	30	5,9	80	6
5104-080-16	8	8	16	7,9	64	8
5104-080-24	8	12	24	7,9	64	8
5104-080-32	8	12	32	7,9	80	8
5104-080-40	8	12	40	7,9	80	8
5104-100-20	10	10	20	9,8	73	10
5104-100-30	10	15	30	9,8	73	10
5104-100-40	10	15	40	9,8	80	10
5104-100-50	10	15	50	9,8	100	10
5104-120-24	12	12	24	11,7	84	12
5104-120-36	12	18	36	11,7	84	12
5104-120-48	12	18	48	11,7	110	12
5104-120-60	12	18	60	11,7	110	12
5104-160-32	16	16	32	15,5	93	16
5104-160-48	16	24	48	15,5	110	16
5104-160-64	16	24	64	15,5	120	16
5104-160-80	16	24	80	15,5	140	16
5104-200-40	20	20	40	19,5	105	20
5104-200-60	20	30	60	19,5	125	20
5104-200-80	20	30	80	19,5	150	20
5104-200-100	20	30	100	19,5	164	20



5104

FRESA PIANA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES SQUARE END MILL, SHORT & LONG SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES D 3 - 20



FIG. 2

Cod.	øD	l	l1	ød1	L	ød
5104-030-030	3	3	-	-	58	6
5104-030-060	3	6	-	-	58	6
5104-040-040	4	4	-	-	58	6
5104-040-080	4	8	-	-	58	6
5104-040-120	4	12	-	-	58	6
5104-040-160	4	16	-	-	58	6
5104-050-050	5	5	-	-	58	6
5104-050-100	5	10	-	-	58	6
5104-050-150	5	15	-	-	58	6
5104-050-200	5	20	-	-	58	6
5104-060-060	6	6	-	-	58	6
5104-060-120	6	12	-	-	58	6
5104-060-180	6	18	-	-	58	6
5104-060-240	6	24	-	-	80	6
5104-060-300	6	30	-	-	80	6
5104-070-140	7	14	-	-	61	7
5104-070-210	7	21	-	-	61	7
5104-080-080	8	8	-	-	64	8
5104-080-160	8	16	-	-	64	8
5104-080-240	8	24	-	-	64	8
5104-080-320	8	32	-	-	80	8
5104-080-400	8	40	-	-	80	8
5104-090-180	9	18	-	-	68	9
5104-090-270	9	27	-	-	68	9
5104-090-360	9	36	-	-	68	9
5104-100-100	10	10	-	-	73	10



Cod.	øD	L	l ₁	ød ₁	L	ød
5104-100-200	10	20	-	-	73	10
5104-100-300	10	30	-	-	73	10
5104-100-400	10	40	-	-	80	10
5104-100-500	10	50	-	-	100	10
5104-110-220	11	22	-	-	72	11
5104-110-330	11	33	-	-	72	11
5104-120-120	12	12	-	-	84	12
5104-120-240	12	24	-	-	84	12
5104-120-360	12	36	-	-	84	12
5104-120-480	12	48	-	-	110	12
5104-120-600	12	60	-	-	110	12
5104-130-260	13	26	-	-	85	13
5104-130-390	13	39	-	-	85	13
5104-140-280	14	28	-	-	84	14
5104-140-420	14	42	-	-	101	14
5104-140-560	14	56	-	-	108	14
5104-150-300	15	30	-	-	80	15
5104-150-450	15	45	-	-	100	15
5104-160-320	16	32	-	-	93	16
5104-160-480	16	48	-	-	110	16
5104-160-640	16	64	-	-	120	16
5104-160-800	16	80	-	-	140	16
5104-170-340	17	34	-	-	107	18
5104-170-500	17	50	-	-	107	18
5104-180-540	18	54	-	-	115	18
5104-190-400	19	40	-	-	105	20
5104-200-400	20	40	-	-	105	20
5104-200-600	20	60	-	-	125	20
5104-200-800	20	80	-	-	150	20
5104-200-1000	20	100	-	-	164	20

5104F

FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL,
SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 20



D 6 - 20

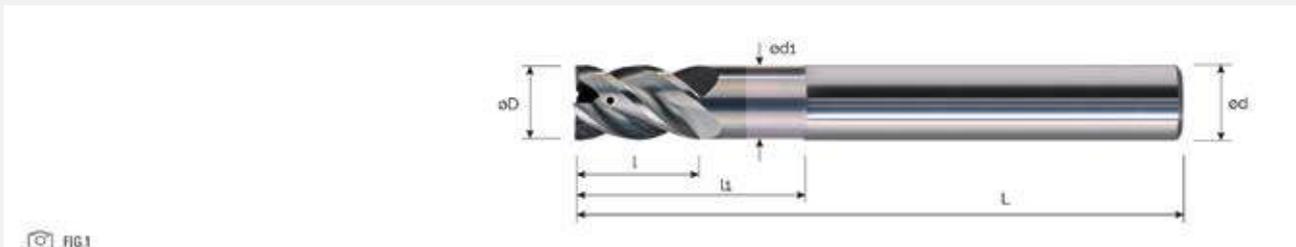


FIG.1

Cod.	ϕD	l	l ₁	ϕd_1	L	ϕd
5104F-060-18	6	9	18	5,9	58	6
5104F-080-24	8	12	24	7,9	64	8
5104F-100-30	10	15	30	9,8	73	10
5104F-120-36	12	18	36	11,7	84	12
5104F-160-48	16	24	48	15,5	101	16
5104F-200-60	20	30	60	19,5	151	20

5104F



FRESA PIANA 4T SERIE CORTA E LUNGA, CON LUBRIFICAZIONE INTERNA - GV / 4 FLUTES SQUARE END MILL,
SHORT & LONG SERIES, WITH INTERNAL COOLANT HOLES - GV MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 20

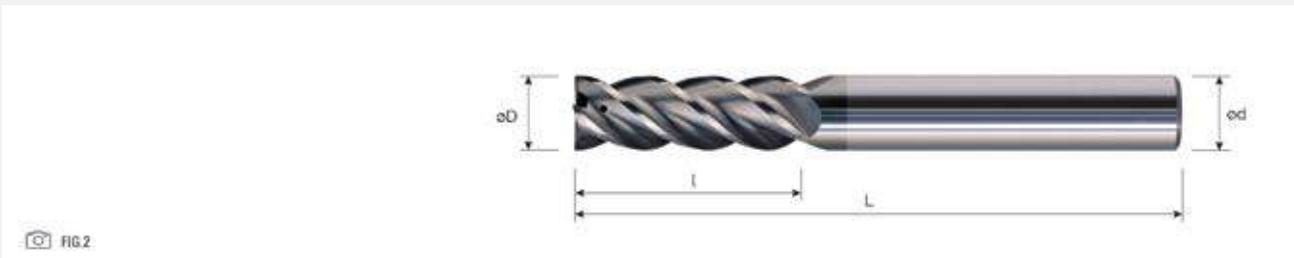


FIG. 2

Cod.	øD	l	l1	ød1	L	ød
5104F-060-180	6	18	-	-	58	6
5104F-080-240	8	24	-	-	64	8
5104F-100-300	10	30	-	-	73	10
5104F-120-360	12	36	-	-	84	12
5104F-160-480	16	48	-	-	101	16
5104F-200-600	20	60	-	-	151	20

5144N

FRESA PIANA 4T SERIE CORTA A SGROSSARE RTF / 4 FLUTES SQUARE ROUGHING END MILL, SHORT SERIES - RTF

MISURE DISPONIBILI / AVAILABLE SIZES D 4 - 20



D < 6

D 6 - 20



Cod.	øD	l	L	ød
5144-040N	4	11	58	6
5144-050N	5	13	58	6
5144-060N	6	16	58	6
5144-080N	8	22	64	8
5144-100N	10	22	73	10
5144-120N	12	26	84	12
5144-160N	16	32	93	16
5144-200N	20	38	105	20

5305

FRESA PIANA 5T SERIE CORTA E LUNGA / 5 FLUTES SQUARE END MILL, SHORT & LONG SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 20



D 6 - 20



Cod.	øD	l	L	ød
NEW 5305-060-180	6	18	58	6
NEW 5305-060-240	6	24	58	6
NEW 5305-080-240	8	24	64	8
NEW 5305-080-320	8	32	75	8
NEW 5305-100-300	10	30	73	10
NEW 5305-100-400	10	40	80	10
NEW 5305-120-360	12	36	84	12
NEW 5305-120-480	12	48	110	12
NEW 5305-120-600	12	60	110	12
NEW 5305-160-320	16	32	93	16
NEW 5305-160-480	16	48	110	16
NEW 5305-160-640	16	64	120	16
NEW 5305-200-400	20	40	105	20
NEW 5305-200-600	20	60	125	20
NEW 5305-200-800	20	80	150	20

5106

FRESA PIANA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 20



D 6 - 20



Cod.	øD	l	L	ød
NEW 5106-060-180	6	18	58	6
NEW 5106-060-240	6	24	58	6
NEW 5106-080-240	8	24	64	8
NEW 5106-080-320	8	32	75	8
NEW 5106-100-300	10	30	73	10
NEW 5106-100-400	10	40	80	10
NEW 5106-120-360	12	36	84	12
NEW 5106-120-480	12	48	110	12
NEW 5106-160-480	16	48	110	16
NEW 5106-160-640	16	64	120	16
NEW 5106-200-400	20	40	105	20
NEW 5106-200-600	20	60	125	20

5206

FRESA PIANA 6T SERIE CORTA E LUNGA / 6 FLUTES SQUARE END MILL, SHORT & LONG SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 20



Cod.	øD	l	L	ød
NEW 5206-060-180	6	18	58	6
NEW 5206-060-240	6	24	58	6
NEW 5206-080-240	8	24	64	8
NEW 5206-080-320	8	32	75	8
NEW 5206-100-300	10	30	73	10
NEW 5206-100-400	10	40	80	10
NEW 5206-120-360	12	36	84	12
NEW 5206-120-480	12	48	110	12
NEW 5206-160-480	16	48	110	16
NEW 5206-160-640	16	64	120	16
NEW 5206-200-400	20	40	105	20
NEW 5206-200-600	20	60	125	20



FRESE TORICHE CORNER RADIUS END MILLS

SEZIONE / SECTION C 1 - 32

5703T

FRESA TORICA 3T SERIE CORTA E LUNGA / 3 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 1,5 - 20

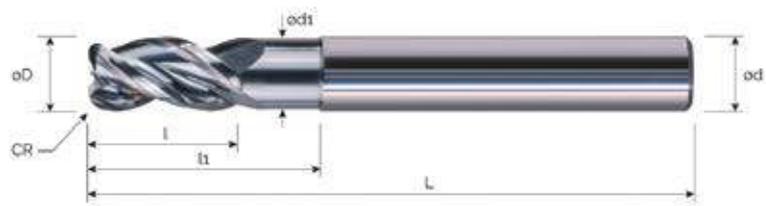


FIG.1

Cod.	øD	CR	l	l1	ød1	L	ød
NEW 5703T-015-020-06	1,5	0,2	3	6	1,4	58	6
NEW 5703T-015-040-06	1,5	0,4	3	6	1,4	58	6
NEW 5703T-020-010-08	2	0,1	4	8	1,9	58	6
NEW 5703T-020-020-08	2	0,2	4	8	1,9	58	6
NEW 5703T-020-030-08	2	0,3	4	8	1,9	58	6
NEW 5703T-020-040-08	2	0,4	4	8	1,9	58	6
NEW 5703T-020-050-08	2	0,5	4	8	1,9	58	6
NEW 5703T-030-010-12	3	0,1	6	12	2,9	58	6
NEW 5703T-030-020-12	3	0,2	6	12	2,9	58	6
NEW 5703T-030-030-12	3	0,3	6	12	2,9	58	6
NEW 5703T-030-040-12	3	0,4	6	12	2,9	58	6
NEW 5703T-030-050-12	3	0,5	6	12	2,9	58	6
NEW 5703T-040-010-20	4	0,1	8	20	3,9	58	6
NEW 5703T-040-020-20	4	0,2	8	20	3,9	58	6
NEW 5703T-040-030-20	4	0,3	8	20	3,9	58	6
NEW 5703T-040-040-20	4	0,4	8	20	3,9	58	6
NEW 5703T-040-050-20	4	0,5	8	20	3,9	58	6
NEW 5703T-040-080-20	4	0,8	8	20	3,9	58	6
NEW 5703T-040-100-20	4	1	8	20	3,9	58	6
NEW 5703T-060-010-18	6	0,1	12	18	5,7	58	6
NEW 5703T-060-020-18	6	0,2	12	18	5,7	58	6
NEW 5703T-060-030-18	6	0,3	12	18	5,7	58	6
NEW 5703T-060-040-18	6	0,4	12	18	5,7	58	6
5703T-060-050-18	6	0,5	12	18	5,7	58	6
NEW 5703T-060-080-18	6	0,8	12	18	5,7	58	6
5703T-060-100-18	6	1	12	18	5,7	58	6



Cod.	øD	CR	l	l1	ød1	L	ød
5703T-060-150-18	6	1,5	12	18	5,7	58	6
NEW 5703T-080-010-24	8	0,1	16	24	7,6	64	8
NEW 5703T-080-020-24	8	0,2	16	24	7,6	64	8
NEW 5703T-080-030-24	8	0,3	16	24	7,6	64	8
NEW 5703T-080-040-24	8	0,4	16	24	7,6	64	8
5703T-080-050-24	8	0,5	16	24	7,6	64	8
NEW 5703T-080-080-24	8	0,8	16	24	7,6	64	8
5703T-080-100-24	8	1	16	24	7,6	64	8
5703T-080-150-24	8	1,5	16	24	7,6	64	8
5703T-080-200-24	8	2	16	24	7,6	64	8
5703T-080-250-24	8	2,5	16	24	7,6	64	8
NEW 5703T-100-020-30	10	0,2	20	30	9,5	73	10
NEW 5703T-100-030-30	10	0,3	20	30	9,5	73	10
NEW 5703T-100-050-30	10	0,5	20	30	9,5	73	10
NEW 5703T-100-080-30	10	0,8	20	30	9,5	73	10
5703T-100-100-30	10	1	20	30	9,5	73	10
5703T-100-150-30	10	1,5	20	30	9,5	73	10
5703T-100-200-30	10	2	20	30	9,5	73	10
5703T-100-250-30	10	2,5	20	30	9,5	73	10
5703T-100-300-30	10	3	20	30	9,5	73	10
NEW 5703T-120-020-36	12	0,2	24	36	11,4	84	12
NEW 5703T-120-030-36	12	0,3	24	36	11,4	84	12
NEW 5703T-120-050-36	12	0,5	24	36	11,4	84	12
NEW 5703T-120-080-36	12	0,8	24	36	11,4	84	12
5703T-120-100-36	12	1	24	36	11,4	84	12
5703T-120-150-36	12	1,5	24	36	11,4	84	12
5703T-120-200-36	12	2	24	36	11,4	84	12
5703T-120-250-36	12	2,5	24	36	11,4	84	12
5703T-120-300-36	12	3	24	36	11,4	84	12
5703T-120-400-36	12	4	24	36	11,4	84	12
NEW 5703T-160-020-48	16	0,2	32	48	15,2	93	16
NEW 5703T-160-050-48	16	0,5	32	48	15,2	93	16
NEW 5703T-160-100-48	16	1	32	48	15,2	93	16
5703T-160-200-48	16	2	32	48	15,2	93	16
5703T-160-250-48	16	2,5	32	48	15,2	93	16
5703T-160-300-48	16	3	32	48	15,2	93	16
5703T-160-400-48	16	4	32	48	15,2	93	16
5703T-160-500-48	16	5	32	48	15,2	93	16
NEW 5703T-200-050-60	20	0,5	40	60	19	105	20



Note / Notes
 RICOPERTURA DLC SU RICHIESTA. / THIS LINE IS AVAILABLE ON REQUEST ALSO DLC COATED.

Alternative / Alternatives
 MFM 3T

5703T



FRESA TORICA 3T SERIE CORTA E LUNGA / 3 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES

MISURE DISPONIBILI / AVAILABLE SIZES D 1,5 - 20



FIG.2

Cod.	øD	CR	l	l1	ød1	L	ød
5703T-060-050-180	6	0,5	18	-	-	58	6
5703T-060-100-180	6	1	18	-	-	58	6
5703T-060-150-180	6	1,5	18	-	-	58	6
5703T-080-050-240	8	0,5	24	-	-	64	8
5703T-080-100-240	8	1	24	-	-	64	8
5703T-080-150-240	8	1,5	24	-	-	64	8
5703T-080-200-240	8	2	24	-	-	64	8
5703T-080-250-240	8	2,5	24	-	-	64	8
5703T-100-100-300	10	1	30	-	-	73	10
5703T-100-150-300	10	1,5	30	-	-	73	10
5703T-100-200-300	10	2	30	-	-	73	10
5703T-100-250-300	10	2,5	30	-	-	73	10
5703T-100-300-300	10	3	30	-	-	73	10
5703T-120-100-360	12	1	36	-	-	84	12
5703T-120-150-360	12	1,5	36	-	-	84	12
5703T-120-200-360	12	2	36	-	-	84	12
5703T-120-250-360	12	2,5	36	-	-	84	12
5703T-120-300-360	12	3	36	-	-	84	12
5703T-120-400-360	12	4	36	-	-	84	12
5703T-160-200-480	16	2	48	-	-	110	16
5703T-160-250-480	16	2,5	48	-	-	110	16
5703T-160-300-480	16	3	48	-	-	110	16
5703T-160-400-480	16	4	48	-	-	110	16
5703T-160-500-480	16	5	48	-	-	110	16



DEEP CUT

CORNER RADIUS END MILLS
WITH INTERNAL LUBRICATION
VIA CENTRAL HOLE.

5713TFRC

5814TFRC

5866TFC



YOU CAN FIND A COMPLETE RANGE OF CORNER RADIUS CR

FAST, CLEAN AND PRECISE
CORNER RADIUS END MILLS.

5834

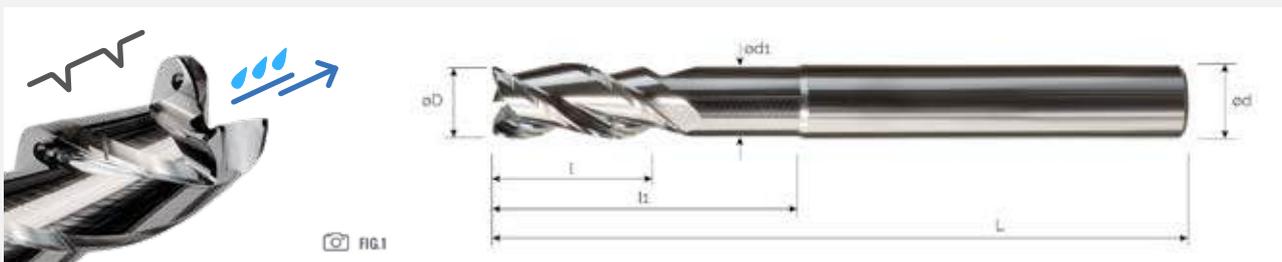
5703T



5713TFRC



FRESA TORICA 3T CON ROMPIRUCIOLO LUB CENTRALE DEEP CUT / 3 FLUTES CORNER RADIUS
 END MILL WITH COOLANT HOLES - CHIP BREAKER MISURE DISPONIBILI / AVAILABLE SIZES **D 6 - 16**



Cod.	øD	CR	l	l1	ød1	L	ød
NEW 5713TFRC-060-050-18	6	0,5	12	18	5,7	51	6
NEW 5713TFRC-060-050-24	6	0,5	12	24	5,7	51	6
NEW 5713TFRC-060-050-30	6	0,5	12	30	5,7	58	6
NEW 5713TFRC-080-050-24	8	0,5	16	24	7,6	64	8
NEW 5713TFRC-080-050-32	8	0,5	16	32	7,6	80	8
NEW 5713TFRC-080-050-40	8	0,5	16	40	7,6	80	8
NEW 5713TFRC-100-050-30	10	0,5	20	30	9,5	73	10
NEW 5713TFRC-100-050-40	10	0,5	20	40	9,5	100	10
NEW 5713TFRC-100-050-50	10	0,5	20	50	9,5	100	10
NEW 5713TFRC-120-050-36	12	0,5	24	36	11,4	80	12
NEW 5713TFRC-120-050-48	12	0,5	24	48	11,4	109	12
NEW 5713TFRC-120-050-60	12	0,5	24	60	11,4	109	12
NEW 5713TFRC-160-050-48	16	0,5	32	48	15,2	109	16
NEW 5713TFRC-160-050-64	16	0,5	32	64	15,2	120	16

5713TFRC



FRESA TORICA 3T CON ROMPIRUCIOLO LUB CENTRALE DEEP CUT / 3 FLUTES CORNER RADIUS
 END MILL WITH COOLANT HOLES - CHIP BREAKER MISURE DISPONIBILI / AVAILABLE SIZES **D 6 - 16**



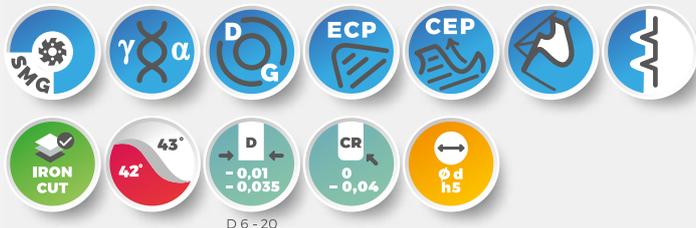
FIG.2



Cod.	øD	CR	l	l1	ød1	L	ød
NEW 5713TFRC-060-050-180	6	0,5	18	-	-	51	6
NEW 5713TFRC-080-050-240	8	0,5	24	-	-	64	8
NEW 5713TFRC-100-050-300	10	0,5	30	-	-	73	10
NEW 5713TFRC-120-050-360	12	0,5	36	-	-	80	12
NEW 5713TFRC-160-050-480	16	0,5	48	-	-	109	16

5814TR

FRESA TORICA 4T SERIE CORTA, CON ROMPIRUCIOLO DEEP CUT / 4 FLUTES CORNER RADIUS
 END MILL WITH CHIP BREAKER MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12



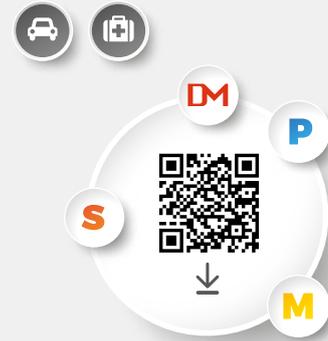
Cod.	øD	CR	l	L	ød
NEW 5814TR-060-050-120	6	0,5	12	58	6
NEW 5814TR-060-050-180	6	0,5	18	58	6
NEW 5814TR-080-050-160	8	0,5	16	64	8
NEW 5814TR-080-050-240	8	0,5	24	64	8
NEW 5814TR-100-050-200	10	0,5	20	73	10
NEW 5814TR-100-050-300	10	0,5	30	73	10
NEW 5814TR-120-050-240	12	0,5	24	84	12
NEW 5814TR-120-050-360	12	0,5	36	84	12

5814TFRC

FRESA TORICA 4T SERIE CORTA, CON ROMPITRUCIOLO LUB INT DEEP CUT / 4 FLUTES CORNER
 RADIUS END MILL WITH COOLANT HOLE - CHIP BREAKER MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12



D 6 - 20



Cod.	øD	CR	l	L	ød
NEW 5814TFRC-060-050-120	6	0,5	12	51	6
NEW 5814TFRC-060-050-180	6	0,5	18	51	6
NEW 5814TFRC-080-050-160	8	0,5	16	64	8
NEW 5814TFRC-080-050-240	8	0,5	24	64	8
NEW 5814TFRC-100-050-200	10	0,5	20	73	10
NEW 5814TFRC-100-050-300	10	0,5	30	73	10
NEW 5814TFRC-120-050-240	12	0,5	24	80	12
NEW 5814TFRC-120-050-360	12	0,5	36	80	12

5834

FRESA TORICA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES **D 3 - 20**

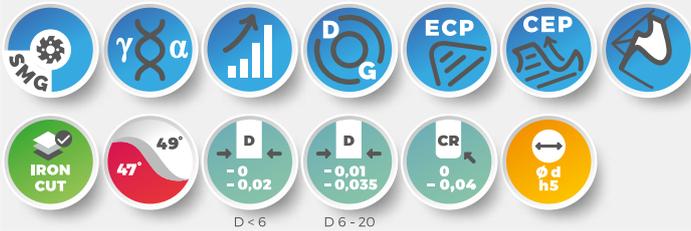


FIG.1

Cod.	øD	CR	l	l1	ød1	L	ød
5834-030-030-06	3	0,3	3	6	2,9	51	4
5834-030-030-09	3	0,3	3	9	2,9	51	4
5834-030-050-06	3	0,5	3	6	2,9	51	4
5834-030-050-09	3	0,5	3	9	2,9	51	4
5834-040-030-08	4	0,3	4	8	3,9	58	6
5834-040-030-12	4	0,3	4	12	3,9	58	6
5834-040-050-08	4	0,5	4	8	3,9	58	6
5834-040-050-12	4	0,5	4	12	3,9	58	6
5834-050-030-10	5	0,3	5	10	4,9	58	6
5834-050-030-15	5	0,3	5	15	4,9	58	6
5834-050-050-10	5	0,5	5	10	4,9	58	6
5834-050-050-15	5	0,5	5	15	4,9	58	6
5834-060-050-12	6	0,5	6	12	5,9	58	6
5834-060-050-18	6	0,5	6	18	5,9	58	6
5834-060-100-12	6	1,0	6	12	5,9	58	6
5834-060-100-18	6	1,0	6	18	5,9	58	6
5834-060-150-12	6	1,5	6	12	5,9	58	6
5834-060-150-18	6	1,5	6	18	5,9	58	6
5834-060-200-12	6	2,0	6	12	5,9	58	6
5834-060-200-18	6	2,0	6	18	5,9	58	6
5834-080-050-16	8	0,5	8	16	7,9	64	8
5834-080-050-24	8	0,5	8	24	7,9	64	8
5834-080-100-16	8	1,0	8	16	7,9	64	8
5834-080-100-24	8	1,0	8	24	7,9	64	8
5834-080-150-16	8	1,5	8	16	7,9	64	8
5834-080-150-24	8	1,5	8	24	7,9	64	8



Cod.	øD	CR	l	l1	ød1	L	ød
5834-080-200-16	8	2,0	8	16	7,9	64	8
5834-080-200-24	8	2,0	8	24	7,9	64	8
5834-100-050-20	10	0,5	10	20	9,8	73	10
5834-100-050-30	10	0,5	10	30	9,8	73	10
5834-100-100-20	10	1,0	10	20	9,8	73	10
5834-100-100-30	10	1,0	10	30	9,8	73	10
5834-100-150-20	10	1,5	10	20	9,8	73	10
5834-100-150-30	10	1,5	10	30	9,8	73	10
5834-100-200-20	10	2,0	10	20	9,8	73	10
5834-100-200-30	10	2,0	10	30	9,8	73	10
5834-120-050-24	12	0,5	12	24	11,7	84	12
5834-120-050-36	12	0,5	12	36	11,7	84	12
5834-120-100-24	12	1,0	12	24	11,7	84	12
5834-120-100-36	12	1,0	12	36	11,7	84	12
5834-120-150-24	12	1,5	12	24	11,7	84	12
5834-120-150-36	12	1,5	12	36	11,7	84	12
5834-120-200-24	12	2,0	12	24	11,7	84	12
5834-120-200-36	12	2,0	12	36	11,7	84	12
5834-120-300-24	12	3,0	12	24	11,7	84	12
5834-120-300-36	12	3,0	12	36	11,7	84	12
5834-160-100-32	16	1,0	16	32	15,5	93	16
5834-160-100-48	16	1,0	16	48	15,5	110	16
5834-160-150-32	16	1,5	16	32	15,5	93	16
5834-160-150-48	16	1,5	16	48	15,5	110	16
5834-160-200-32	16	2,0	16	32	15,5	93	16
5834-160-200-48	16	2,0	16	48	15,5	110	16
5834-160-300-32	16	3,0	16	32	15,5	93	16
5834-160-300-48	16	3,0	16	48	15,5	110	16
5834-160-400-32	16	4,0	16	32	15,5	93	16
5834-160-400-48	16	4,0	16	48	15,5	110	16
5834-200-100-40	20	1,0	20	40	19,5	105	20
5834-200-100-60	20	1,0	20	60	19,5	125	20
5834-200-200-40	20	2,0	20	40	19,5	105	20
5834-200-200-60	20	2,0	20	60	19,5	125	20
5834-200-300-40	20	3,0	20	40	19,5	105	20
5834-200-300-60	20	3,0	20	60	19,5	125	20
5834-200-400-40	20	4,0	20	40	19,5	105	20
5834-200-400-60	20	4,0	20	60	19,5	125	20



5834

FRESA TORICA 4T SERIE CORTA E LUNGA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES D 3 - 20

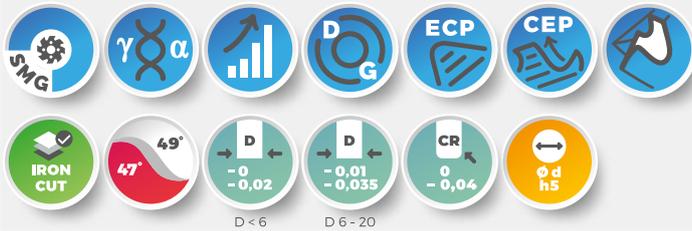


FIG.2

Cod.	øD	CR	l	l1	ød1	L	ød
NEW 5834-030-020-090	3	0,2	9	-	-	51	4
5834-030-030-060	3	0,3	6	-	-	51	4
5834-030-030-090	3	0,3	9	-	-	51	4
5834-030-050-060	3	0,5	6	-	-	51	4
5834-030-050-090	3	0,5	9	-	-	51	4
NEW 5834-040-020-120	4	0,2	12	-	-	58	6
5834-040-030-080	4	0,3	8	-	-	58	6
5834-040-030-120	4	0,3	12	-	-	58	6
5834-040-050-080	4	0,5	8	-	-	58	6
5834-040-050-120	4	0,5	12	-	-	58	6
NEW 5834-050-020-150	5	0,2	15	-	-	58	6
5834-050-030-100	5	0,3	10	-	-	58	6
5834-050-030-150	5	0,3	15	-	-	58	6
5834-050-050-100	5	0,5	10	-	-	58	6
5834-050-050-150	5	0,5	15	-	-	58	6
NEW 5834-060-020-180	6	0,2	18	-	-	58	6
NEW 5834-060-030-180	6	0,3	18	-	-	58	6
NEW 5834-060-040-180	6	0,4	18	-	-	58	6
5834-060-050-120	6	0,5	12	-	-	58	6
5834-060-050-180	6	0,5	18	-	-	58	6
NEW 5834-060-070-180	6	0,7	18	-	-	58	6
5834-060-100-120	6	1,0	12	-	-	58	6
5834-060-100-180	6	1,0	18	-	-	58	6
5834-060-150-120	6	1,5	12	-	-	58	6
5834-060-150-180	6	1,5	18	-	-	58	6
5834-060-200-120	6	2,0	12	-	-	58	6

Cod.	øD	CR	l	l ₁	ød ₁	L	ød
5834-060-200-180	6	2,0	18	-	-	58	6
NEW 5834-080-020-240	8	0,2	24	-	-	64	8
NEW 5834-080-030-240	8	0,3	24	-	-	64	8
NEW 5834-080-040-240	8	0,4	24	-	-	64	8
5834-080-050-160	8	0,5	16	-	-	64	8
5834-080-050-240	8	0,5	24	-	-	64	8
NEW 5834-080-070-240	8	0,7	24	-	-	64	8
5834-080-100-160	8	1,0	16	-	-	64	8
5834-080-100-240	8	1,0	24	-	-	64	8
5834-080-150-160	8	1,5	16	-	-	64	8
5834-080-150-240	8	1,5	24	-	-	64	8
5834-080-200-160	8	2,0	16	-	-	64	8
5834-080-200-240	8	2,0	24	-	-	64	8
NEW 5834-100-020-300	10	0,2	30	-	-	73	10
NEW 5834-100-030-300	10	0,3	30	-	-	73	10
NEW 5834-100-040-300	10	0,4	30	-	-	73	10
5834-100-050-200	10	0,5	20	-	-	73	10
5834-100-050-300	10	0,5	30	-	-	73	10
NEW 5834-100-070-300	10	0,7	30	-	-	73	10
5834-100-100-200	10	1,0	20	-	-	73	10
5834-100-100-300	10	1,0	30	-	-	73	10
5834-100-150-200	10	1,5	20	-	-	73	10
5834-100-150-300	10	1,5	30	-	-	73	10
5834-100-200-200	10	2,0	20	-	-	73	10
5834-100-200-300	10	2,0	30	-	-	73	10
NEW 5834-120-020-360	12	0,2	36	-	-	84	12
NEW 5834-120-030-360	12	0,3	36	-	-	84	12
NEW 5834-120-040-360	12	0,4	36	-	-	84	12
5834-120-050-240	12	0,5	24	-	-	84	12
5834-120-050-360	12	0,5	36	-	-	84	12
NEW 5834-120-070-360	12	0,7	36	-	-	84	12
5834-120-100-240	12	1,0	24	-	-	84	12
5834-120-100-360	12	1,0	36	-	-	84	12
5834-120-150-240	12	1,5	24	-	-	84	12
5834-120-150-360	12	1,5	36	-	-	84	12
5834-120-200-240	12	2,0	24	-	-	84	12
5834-120-200-360	12	2,0	36	-	-	84	12
5834-120-300-240	12	3,0	24	-	-	84	12
5834-120-300-360	12	3,0	36	-	-	84	12
5834-160-100-320	16	1,0	32	-	-	93	16
5834-160-100-480	16	1,0	48	-	-	110	16
5834-160-150-320	16	1,5	32	-	-	93	16
5834-160-150-480	16	1,5	48	-	-	110	16

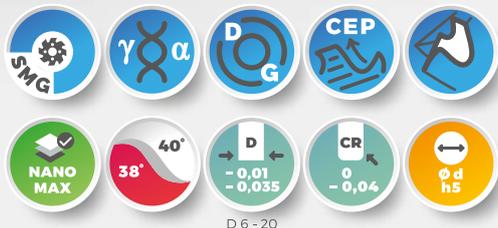


Cod.	øD	CR	l	l ₁	ød ₁	L	ød
5834-160-200-320	16	2,0	32	-	-	93	16
5834-160-200-480	16	2,0	48	-	-	110	16
5834-160-300-320	16	3,0	32	-	-	93	16
5834-160-300-480	16	3,0	48	-	-	110	16
5834-160-400-320	16	4,0	32	-	-	93	16
5834-160-400-480	16	4,0	48	-	-	110	16
5834-200-100-400	20	1,0	40	-	-	105	20
5834-200-100-600	20	1,0	60	-	-	125	20
5834-200-200-400	20	2,0	40	-	-	105	20
5834-200-200-600	20	2,0	60	-	-	125	20
5834-200-300-400	20	3,0	40	-	-	105	20
5834-200-300-600	20	3,0	60	-	-	125	20
5834-200-400-400	20	4,0	40	-	-	105	20
5834-200-400-600	20	4,0	60	-	-	125	20

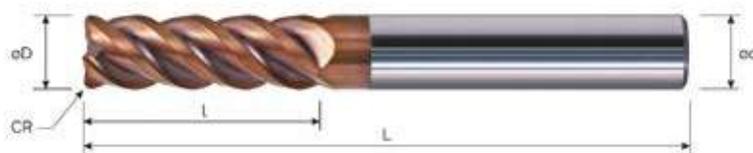
5834T

FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES D 10 - 20



D 6 - 20



Cod.	øD	CR	L	L	ød
5834T-100-050-300	10	0,5	30	73	10
5834T-100-100-300	10	1	30	73	10
5834T-100-150-300	10	1,5	30	73	10
5834T-100-200-300	10	2	30	73	10
5834T-100-250-300	10	2,5	30	73	10
5834T-100-300-300	10	3	30	73	10
5834T-120-050-360	12	0,5	36	84	12
5834T-120-100-360	12	1	36	84	12
5834T-120-150-360	12	1,5	36	84	12
5834T-120-200-360	12	2	36	84	12
5834T-120-300-360	12	3	36	84	12
5834T-120-350-360	12	3,5	36	84	12
5834T-160-100-480	16	1	48	110	16
5834T-160-150-480	16	1,5	48	110	16
5834T-160-200-480	16	2	48	110	16
5834T-160-300-480	16	3	48	110	16
5834T-160-400-480	16	4	48	110	16
5834T-160-500-480	16	5	48	110	16
5834T-200-100-600	20	1	60	125	20
5834T-200-200-600	20	2	60	125	20
5834T-200-300-600	20	3	60	125	20
5834T-200-400-600	20	4	60	125	20
5834T-200-500-600	20	5	60	125	20



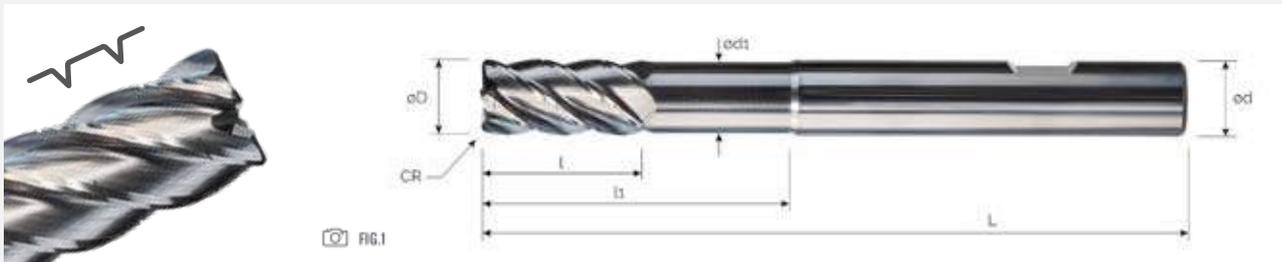
5735TR



FRESA TORICA 5T SERIE CORTA ROMPITRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL,
CHIP BREAKER - GV MISURE DISPONIBILI / AVAILABLE SIZES D 8 - 16



D 6 - 20



Cod.	øD	CR	l	l1	d1	Bta	L	d	W
NEW 5735TR-100-050-40W	10	0,5	20	40	9,5	-	100	10	✓
NEW 5735TR-100-050-50W	10	0,5	20	50	9,5	-	100	10	✓
NEW 5735TR-120-100-48W	12	1	24	48	11,4	-	110	12	✓
NEW 5735TR-120-100-60W	12	1	24	60	11,4	-	110	12	✓
NEW 5735TR-160-150-64W	16	1,5	32	64	15,2	-	120	16	✓
NEW 5735TR-160-150-80W	16	1,5	32	80	15,2	-	140	16	✓

5735TR

FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL, CHIP BREAKER - GV MISURE DISPONIBILI / AVAILABLE SIZES **D 8 - 16**



D 6 - 20



Cod.	øD	CR	l	l1	d1	Bta	L	d	W
NEW 5735TR-080-050-240	8	0,5	24	-	-	-	64	8	-
NEW 5735TR-100-050-300	10	0,5	30	-	-	-	73	10	-
NEW 5735TR-100-050-400W	10	0,5	40	-	-	-	100	10	✓
NEW 5735TR-100-050-500W	10	0,5	50	-	-	-	100	10	✓
NEW 5735TR-120-100-360	12	1	36	-	-	-	84	12	-
NEW 5735TR-120-100-480W	12	1	48	-	-	-	110	12	✓
NEW 5735TR-120-100-600W	12	1	60	-	-	-	110	12	✓
NEW 5735TR-160-150-480	16	1,5	48	-	-	-	110	16	-
NEW 5735TR-160-150-640W	16	1,5	64	-	-	-	120	16	✓
NEW 5735TR-160-150-800W	16	1,5	80	-	-	-	140	16	✓

5835



FRESA TORICA 5T SERIE CORTA E LUNGA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT & LONG SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES **D 6 - 20**



D 6 - 20



Cod.	ϕD	CR	l	L	ϕd
NEW 5835-060-050-120	6	0,5	12	58	6
NEW 5835-060-050-180	6	0,5	18	58	6
NEW 5835-080-050-160	8	0,5	16	64	8
NEW 5835-080-050-240	8	0,5	24	64	8
NEW 5835-100-100-200	10	1,0	20	73	10
NEW 5835-100-100-300	10	1,0	30	73	10
NEW 5835-120-100-240	12	1,0	24	84	12
NEW 5835-120-100-360	12	1,0	36	84	12

5835T

FRESA TORICA 5T SERIE CORTA - GV / 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 20

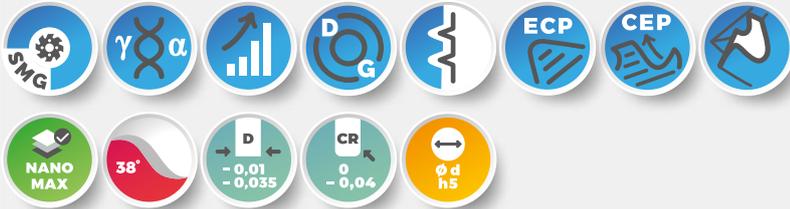


Cod.	øD	CR	l	L	ød
NEW 5835T-060-030-180	6	0,3	18	58	6
NEW 5835T-060-050-180	6	0,5	18	58	6
5835T-080-050-240	8	0,5	24	64	8
5835T-080-100-240	8	1	24	64	8
5835T-080-150-240	8	1,5	24	64	8
5835T-100-050-300	10	0,5	30	73	10
5835T-100-100-300	10	1	30	73	10
5835T-100-150-300	10	1,5	30	73	10
5835T-100-200-300	10	2	30	73	10
5835T-100-250-300	10	2,5	30	73	10
5835T-100-300-300	10	3	30	73	10
5835T-120-050-360	12	0,5	36	84	12
5835T-120-100-360	12	1	36	84	12
5835T-120-150-360	12	1,5	36	84	12
5835T-120-200-360	12	2	36	84	12
5835T-120-300-360	12	3	36	84	12
5835T-120-350-360	12	3,5	36	84	12
5835T-160-100-480	16	1	48	110	16
5835T-160-150-480	16	1,5	48	110	16
5835T-160-200-480	16	2	48	110	16
5835T-160-300-480	16	3	48	110	16
5835T-160-400-480	16	4	48	110	16
5835T-160-500-480	16	5	48	110	16
5835T-200-100-600	20	1	60	125	20
5835T-200-200-600	20	2	60	125	20
5835T-200-300-600	20	3	60	125	20
5835T-200-400-600	20	4	60	125	20
5835T-200-500-600	20	5	60	125	20



5835TR

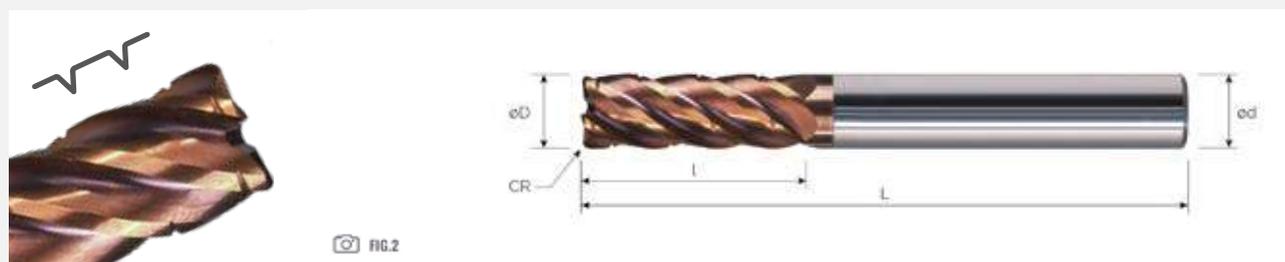
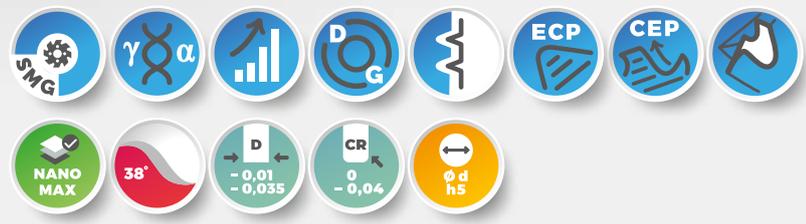
FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL,
 CHIP BREAKER - GV MISURE DISPONIBILI / AVAILABLE SIZES D 8 - 20



Cod.	øD	CR	l	l ₁	d ₁	B _{ta}	L	d	W
NEW 5835TR-100-050-40W	10	0,5	20	40	9,9	16°	90	10	✓
NEW 5835TR-100-050-50W	10	0,5	20	50	9,9	16°	90	10	✓
NEW 5835TR-120-100-48W	12	1	24	48	11,9	16°	105	12	✓
NEW 5835TR-120-100-60W	12	1	24	60	11,9	16°	105	12	✓
NEW 5835TR-160-150-64W	16	1,5	32	64	15,9	16°	120	16	✓
NEW 5835TR-160-150-80W	16	1,5	32	80	15,9	16°	135	16	✓

5835TR

FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO - GV / 5 FLUTES CORNER RADIUS END MILL,
CHIP BREAKER - GV MISURE DISPONIBILI / AVAILABLE SIZES D 8 - 20



Cod.	øD	CR	l	l1	d1	Bta	L	d	W
NEW 5835TR-060-030-180	6	0,3	18	-	-	-	58	6	-
NEW 5835TR-060-050-180	6	0,5	18	-	-	-	58	6	-
5835TR-080-050-240	8	0,5	24	-	-	-	64	8	-
5835TR-080-100-240	8	1	24	-	-	-	64	8	-
5835TR-080-150-240	8	1,5	24	-	-	-	64	8	-
5835TR-100-050-300	10	0,5	30	-	-	-	73	10	-
5835TR-100-050-400W	10	0,5	40	-	-	-	90	10	✓
5835TR-100-050-500W	10	0,5	50	-	-	-	90	10	✓
5835TR-100-100-300	10	1	30	-	-	-	73	10	-
5835TR-100-150-300	10	1,5	30	-	-	-	73	10	-
5835TR-100-200-300	10	2	30	-	-	-	73	10	-
5835TR-100-250-300	10	2,5	30	-	-	-	73	10	-
5835TR-100-300-300	10	3	30	-	-	-	73	10	-
5835TR-120-050-360	12	0,5	36	-	-	-	84	12	-
5835TR-120-100-360	12	1	36	-	-	-	84	12	-
5835TR-120-100-480W	12	1	48	-	-	-	105	12	✓
5835TR-120-100-600W	12	1	60	-	-	-	105	12	✓
5835TR-120-150-360	12	1,5	36	-	-	-	84	12	-
5835TR-120-200-360	12	2	36	-	-	-	84	12	-
5835TR-120-300-360	12	3	36	-	-	-	84	12	-
5835TR-120-350-360	12	3,5	36	-	-	-	84	12	-
5835TR-160-100-480	16	1	48	-	-	-	110	16	-
5835TR-160-150-480	16	1,5	48	-	-	-	110	16	-
5835TR-160-150-640W	16	1,5	64	-	-	-	120	16	✓
5835TR-160-150-800W	16	1,5	80	-	-	-	135	16	✓
5835TR-160-200-480	16	2	48	-	-	-	110	16	-

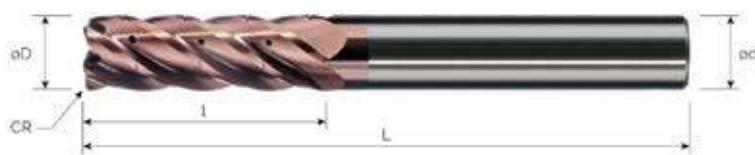


Cod.	øD	CR	l	l1	d1	Bta	L	d	W
5835TR-160-300-480	16	3	48	-	-	-	110	16	-
5835TR-160-400-480	16	4	48	-	-	-	110	16	-
5835TR-160-500-480	16	5	48	-	-	-	110	16	-
5835TR-200-100-600	20	1	60	-	-	-	125	20	-
5835TR-200-200-600	20	2	60	-	-	-	125	20	-
5835TR-200-300-600	20	3	60	-	-	-	125	20	-
5835TR-200-400-600	20	4	60	-	-	-	125	20	-
5835TR-200-500-600	20	5	60	-	-	-	125	20	-

5835TFR



FRESA TORICA 5T SERIE CORTA ROMPIRUCIOLO, CON LUBRIFICAZIONE INT. RADIALE 5Y A 2 VIE - GV
 5 FLUTES CORNER RADIUS END MILL, SHORT SERIES CHIP BREAKER, WITH RADIAL INTERNAL COOLANT
 HOLES 5Y WITH 2 WAYS - GV **MISURE DISPONIBILI / AVAILABLE SIZES D 8 - 20**



Cod.	øD	CR	l	L	ød
5835TFR-080-050-240	8	0,5	24	64	8
5835TFR-080-100-240	8	1	24	64	8
5835TFR-080-150-240	8	1,5	24	64	8
5835TFR-100-050-300	10	0,5	30	73	10
5835TFR-100-100-300	10	1	30	73	10
5835TFR-100-150-300	10	1,5	30	73	10
5835TFR-100-200-300	10	2	30	73	10
5835TFR-100-250-300	10	2,5	30	73	10
5835TFR-100-300-300	10	3	30	73	10
5835TFR-120-050-360	12	0,5	36	84	12
5835TFR-120-100-360	12	1	36	84	12
5835TFR-120-150-360	12	1,5	36	84	12
5835TFR-120-200-360	12	2	36	84	12
5835TFR-120-300-360	12	3	36	84	12
5835TFR-120-350-360	12	3,5	36	84	12
5835TFR-160-100-480	16	1	48	110	16
5835TFR-160-150-480	16	1,5	48	110	16
5835TFR-160-200-480	16	2	48	110	16
5835TFR-160-300-480	16	3	48	110	16
5835TFR-160-400-480	16	4	48	110	16
5835TFR-160-500-480	16	5	48	110	16
5835TFR-200-100-600	20	1	60	125	20
5835TFR-200-200-600	20	2	60	125	20
5835TFR-200-300-600	20	3	60	125	20
5835TFR-200-400-600	20	4	60	125	20
5835TFR-200-500-600	20	5	60	125	20

5806

FRESA TORICA 6T / 6 FLUTES CORNER RADIUS END MILL

MISURE DISPONIBILI / AVAILABLE SIZES **D 6 - 16**

4 microns

D 6 - 20



Cod.	øD	CR	L	L	ød
NEW 5806-060-020-180	6	0,2	18	58	6
NEW 5806-060-020-240	6	0,2	24	58	6
NEW 5806-080-020-240	8	0,2	24	64	8
NEW 5806-080-020-320	8	0,2	32	75	8
NEW 5806-100-050-300	10	0,5	30	73	10
NEW 5806-100-050-400	10	0,5	40	80	10
NEW 5806-120-050-360	12	0,5	36	84	12
NEW 5806-120-050-480	12	0,5	48	110	12
NEW 5806-160-100-480	16	1	48	110	16
NEW 5806-160-100-640	16	1	64	120	16

5863T

FRESA TORICA 3T - MINI BOOSTER / 3 FLUTES CORNER RADIUS END MILL - MINI BOOSTER

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 12



Cod.	øD	CrCam	l	l ₁	ød ₁	Bta	L	ød	Z
5863T-010-03	1	0,25	0,5	3	0,8	16°	58	6	3
5863T-015-04	1,5	0,3	0,75	4,5	1,3	16°	58	6	3
5863T-020-06	2	0,5	1	6	1,8	16°	58	6	3
5863T-020-10	2	0,5	1	10	1,8	16°	58	6	3
5863T-020-14	2	0,5	1	14	1,8	16°	58	6	3
5863T-025-07	2,5	0,6	1,3	7,5	2,3	16°	58	6	3
5863T-030-09	3	0,7	1,5	9	2,8	16°	58	6	3
5863T-030-15	3	0,7	1,5	15	2,8	16°	58	6	3
5863T-030-21	3	0,7	1,5	21	2,8	16°	58	6	3
5863T-030-27	3	0,7	1,5	27	2,8	16°	70	6	3
5863T-040-12	4	1	2	12	3,8	16°	58	6	3
5863T-040-20	4	1	2	20	3,8	16°	58	6	3
5863T-040-28	4	1	2	28	3,8	16°	70	6	3
5863T-040-36	4	1	2	36	3,8	16°	80	6	3
5863T-040-48	4	1	2	48	3,8	16°	80	6	3
5863T-050-15	5	1,2	2,5	15	4,7	16°	80	6	3
5863T-060-18	6	1,5	3	18	5,7	-	58	6	3
5863T-060-30	6	1,5	3	30	5,7	-	70	6	3
5863T-060-42	6	1,5	3	42	5,7	-	80	6	3
5863T-060-54	6	1,5	3	54	5,7	-	100	6	3
5863T-080-24	8	2	4	24	7,6	-	80	8	3
5863T-080-40	8	2	4	40	7,6	-	80	8	3
5863T-080-56	8	2	4	56	7,6	-	100	8	3
5863T-080-72	8	2	4	72	7,6	-	120	8	3
5863T-100-30	10	2,5	5	30	9,5	-	80	10	3
5863T-100-50	10	2,5	5	50	9,5	-	100	10	3
5863T-100-70	10	2,5	5	70	9,5	-	120	10	3
5863T-100-90	10	2,5	5	90	9,5	-	140	10	3
5863T-120-36	12	3	6	36	11,5	-	84	12	3
5863T-120-48	12	3	6	48	11,5	-	100	12	3
5863T-120-60	12	3	6	60	11,5	-	120	12	3

5864T

FRESA TORICA 4T - MINI BOOSTER / 4 FLUTES CORNER RADIUS END MILL - MINI BOOSTER

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 12



Cod.	øD	CrCam	h	l	l1	ød1	Bta	L	ød	Z
5864T-010-03	1	0,088	0,017	0,5	3	0,8	16°	58	6	4
5864T-012-04	1,2	0,106	0,02	0,6	4	1	16°	58	6	4
5864T-015-04	1,5	0,132	0,026	0,75	4,5	1,3	16°	58	6	4
5864T-017-05	1,7	0,15	0,029	0,85	5	1,5	16°	58	6	4
5864T-020-06	2	0,176	0,034	1	6	1,8	16°	58	6	4
5864T-022-06	2,2	0,194	0,037	1,1	6	2	16°	58	6	4
5864T-025-07	2,5	0,22	0,043	1,3	7,5	2,3	16°	58	6	4
5864T-027-09	2,7	0,238	0,046	1,35	9	2,5	16°	58	6	4
5864T-030-09	3	0,264	0,051	1,5	9	2,8	16°	58	6	4
5864T-040-12	4	0,352	0,068	2	12	3,8	16°	58	6	4
5864T-040-16	4	0,352	0,068	2	16	3,8	16°	58	6	4
5864T-050-15	5	0,44	0,085	2,5	15	4,7	16°	58	6	4
5864T-060-18	6	0,528	0,102	3	18	5,7	-	58	6	4
5864T-060-24	6	0,528	0,102	3	24	5,7	-	58	6	4
5864T-080-24	8	0,704	0,136	4	24	7,6	-	70	8	4
5864T-080-32	8	0,704	0,136	4	32	7,6	-	80	8	4
5864T-100-30	10	0,88	0,17	5	30	9,5	-	73	10	4
5864T-100-40	10	0,88	0,17	5	40	9,5	-	80	10	4
5864T-120-36	12	1,056	0,204	6	36	11,5	-	84	12	4
5864T-120-48	12	1,056	0,204	6	48	11,5	-	100	12	4



5864TF



FRESA TORICA 4T CON LUBRIFICAZIONE INT. - MINI BOOSTER / 4 FLUTES CORNER RADIUS
 END MILL WITH RADIAL COOLANT HOLES - MINI BOOSTER MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12



Cod.	øD	CrCam	h	l	l1	ød1	Bta	L	ød	Z
5864TF-060-24	6	0,528	0,102	3	24	5,7	-	56	6	4
5864TF-080-32	8	0,704	0,136	4	32	7,6	-	61	8	4
5864TF-100-40	10	0,88	0,17	5	40	9,5	-	70	10	4
5864TF-120-48	12	1,056	0,204	6	48	11,5	-	80	12	4

5866T

FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER

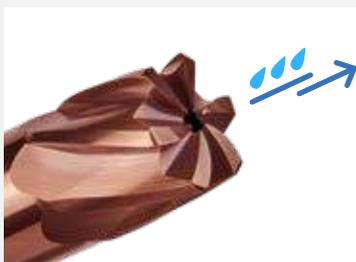
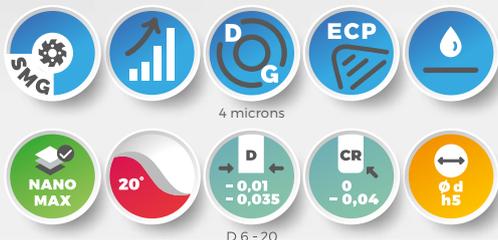
MISURE DISPONIBILI / AVAILABLE SIZES **D 6 - 12**



Cod.	øD	TN	CrCam	h	l	l1	ød1	Bta	L	ød	Z
NEW 5866T-060-18	6	-	0,528	0,102	6	18	5,7	-	58	6	6
NEW 5866T-060-24	6	-	0,528	0,102	6	24	5,7	-	58	6	6
NEW 5866T-080-24	8	-	0,704	0,136	8	24	7,6	-	75	8	6
NEW 5866T-080-32	8	-	0,704	0,136	8	32	7,6	-	75	8	6
NEW 5866T-100-30	10	-	0,88	0,17	10	30	9,5	-	80	10	6
NEW 5866T-100-40	10	-	0,88	0,17	10	40	9,5	-	100	10	6
NEW 5866T-120-36	12	-	1,056	0,204	12	36	11,5	-	100	12	6
NEW 5866T-120-48	12	-	1,056	0,204	12	48	11,5	-	120	12	6

5866TFC

FRESA TORICA 6T LUB INT - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER
 INTERNAL COOLAND MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12

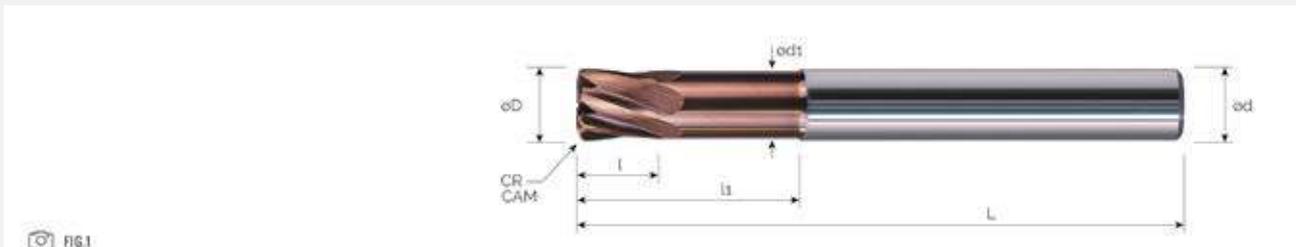


Cod.	øD	TN	CrCam	h	l	l1	ød1	Bta	L	ød	Z
NEW 5866TFC-060-18	6	-	0,528	0,102	6	18	5,7	-	51	6	6
NEW 5866TFC-060-24	6	-	0,528	0,102	6	24	5,7	-	51	6	6
NEW 5866TFC-080-24	8	-	0,704	0,136	8	24	7,6	-	73	8	6
NEW 5866TFC-080-32	8	-	0,704	0,136	8	32	7,6	-	73	8	6
NEW 5866TFC-100-30	10	-	0,88	0,17	10	30	9,5	-	80	10	6
NEW 5866TFC-100-40	10	-	0,88	0,17	10	40	9,5	-	100	10	6
NEW 5866TFC-120-36	12	-	1,056	0,204	12	36	11,5	-	100	12	6
NEW 5866TFC-120-48	12	-	1,056	0,204	12	48	11,5	-	120	12	6

5826

FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 12

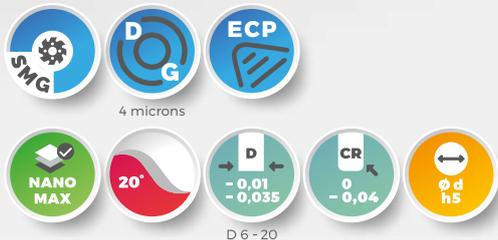


Cod.	øD	TN	CrCam	h	l	l1	ød1	Bta	L	ød	Z
5826-010-03	1	-	0,088	0,017	1	3	0,9	16°	58	6	4
5826-010-04	1	-	0,088	0,017	1	4	0,9	16°	58	6	4
5826-015-04	1,5	-	0,132	0,026	1,5	4,5	1,4	16°	58	6	4
5826-015-06	1,5	-	0,132	0,026	1,5	6	1,4	16°	58	6	4
5826-020-06	2	-	0,176	0,034	2	6	1,8	16°	58	6	4
5826-020-08	2	-	0,176	0,034	2	8	1,8	16°	58	6	4
5826-025-07	2,5	-	0,22	0,043	2,5	7,5	2,3	16°	58	6	4
5826-025-10	2,5	-	0,22	0,043	2,5	10	2,3	16°	58	6	4
5826-030-09	3	-	0,264	0,051	3	9	2,8	16°	58	6	4
5826-030-12	3	-	0,264	0,051	3	12	2,8	16°	58	6	4
5826-040-12	4	-	0,352	0,068	4	12	3,8	16°	58	6	6
5826-040-16	4	-	0,352	0,068	4	16	3,8	16°	58	6	6
5826-050-15	5	-	0,44	0,085	5	15	4,7	16°	58	6	6
5826-060-18	6	-	0,528	0,102	6	18	5,7	-	58	6	6
5826-060-24	6	-	0,528	0,102	6	24	5,7	-	58	6	6
5826-080-24	8	-	0,704	0,136	8	24	7,6	-	75	8	6
5826-080-32	8	-	0,704	0,136	8	32	7,6	-	75	8	6
5826-100-30	10	-	0,88	0,17	10	30	9,5	-	80	10	6
5826-100-40	10	-	0,88	0,17	10	40	9,5	-	100	10	6
5826-120-36	12	-	1,056	0,204	12	36	11,5	-	100	12	6
5826-120-48	12	-	1,056	0,204	12	48	11,5	-	120	12	6

5836T

FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12



Cod.	øD	TN	CrCam	h	l	l1	ød1	Bta	L	ød	Z
NEW 5836T-060-18	6	-	0,528	0,102	6	18	5,7	-	58	6	6
NEW 5836T-080-24	8	-	0,704	0,136	8	24	7,6	-	75	8	6
NEW 5836T-100-30	10	-	0,88	0,17	10	30	9,5	-	80	10	6
NEW 5836T-120-36L84	12	-	1,056	0,204	12	36	11,5	-	84	12	6
NEW 5836T-120-36	12	-	1,056	0,204	12	36	11,5	-	100	12	6

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FRESE SFERICHE BALL NOSE END MILLS

SEZIONE / SECTION D 1 - 6

5902T

FRESA SFERICA 2T GAMBO SCARICATO / 2 FLUTES BALL NOSE END MILL, STEP SHANK

MISURE DISPONIBILI / AVAILABLE SIZES R 2 - 10



Cod.	R	l	l1	ød1	Bta	L	ød
5902T-040-12	2	4	12	3,8	16°	58	6
5902T-040-16	2	4	16	3,8	16°	58	6
5902T-040-20	2	4	20	3,8	16°	58	6
5902T-050-15	2,5	5	15	4,8	16°	58	6
5902T-050-20	2,5	5	20	4,8	16°	58	6
5902T-060-18	3	6	18	5,7	-	58	6
5902T-060-24	3	6	24	5,7	-	100	6
5902T-060-30	3	6	30	5,7	-	100	6
5902T-080-24	4	8	24	7,6	-	64	8
5902T-080-32	4	8	32	7,6	-	101	8
5902T-080-40	4	8	40	7,6	-	101	8
5902T-100-30	5	10	30	9,5	-	73	10
5902T-100-40	5	10	40	9,5	-	120	10
5902T-100-50	5	10	50	9,5	-	120	10
5902T-120-24	6	12	24	11,4	-	84	12
5902T-120-36	6	12	36	11,4	-	84	12
5902T-120-48	6	12	48	11,4	-	120	12
5902T-120-60	6	12	60	11,4	-	120	12
NEW 5902T-160-48	8	16	48	15,2	-	110	16
NEW 5902T-200-60	10	20	60	19	-	125	20



5903T

FRESA SFERICA 3T GAMBO SCARICATO / 3 FLUTES BALL NOSE END MILL, STEP SHANK

MISURE DISPONIBILI / AVAILABLE SIZES R 2 - 10



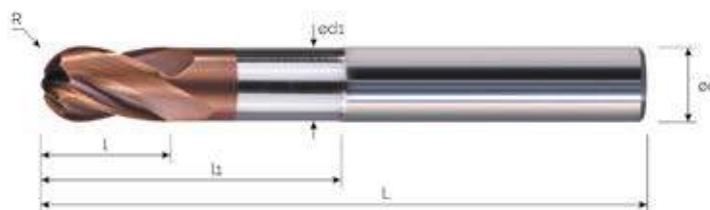
Cod.	R	l	l ₁	ød ₁	Bta	L	ød
5903T-040-12	2	4	12	3,8	16°	58	6
5903T-040-16	2	4	16	3,8	16°	58	6
5903T-040-20	2	4	20	3,8	16°	58	6
5903T-050-15	2,5	5	15	4,8	16°	58	6
5903T-050-20	2,5	5	20	4,8	16°	58	6
5903T-060-18	3	6	18	5,7	-	58	6
5903T-060-24	3	6	24	5,7	-	100	6
5903T-060-30	3	6	30	5,7	-	100	6
5903T-080-24	4	8	24	7,6	-	64	8
5903T-080-32	4	8	32	7,6	-	101	8
5903T-080-40	4	8	40	7,6	-	101	8
5903T-100-30	5	10	30	9,5	-	73	10
5903T-100-40	5	10	40	9,5	-	120	10
5903T-100-50	5	10	50	9,5	-	120	10
5903T-120-24	6	12	24	11,4	-	84	12
5903T-120-36	6	12	36	11,4	-	84	12
5903T-120-48	6	12	48	11,4	-	120	12
5903T-120-60	6	12	60	11,4	-	120	12
NEW 5903T-160-48	8	16	48	15,2	-	110	16
NEW 5903T-200-60	10	20	60	19	-	125	20



5904T

FRESA SFERICA 4T - GV / 4 FLUTES BALL NOSE END MILL - GV

MISURE DISPONIBILI / AVAILABLE SIZES R 1 - 6



Cod.	R	l	l1	ød1	Bta	L	ød
NEW 5904T-020-04	1	3	4	1,95	16°	58	6
NEW 5904T-030-06	1,5	4,5	6	2,9	16°	58	6
5904T-040-08	2	6	8	3,9	16°	58	6
5904T-040-12	2	6	12	3,9	16°	58	6
5904T-040-16	2	6	16	3,9	16°	58	6
5904T-040-20	2	6	20	3,9	16°	58	6
5904T-050-10	2,5	7	10	4,9	16°	58	6
5904T-050-15	2,5	7	15	4,9	16°	58	6
5904T-050-20	2,5	7	20	4,9	16°	58	6
5904T-050-25	2,5	7	25	4,9	16°	58	6
5904T-060-12	3	9	12	5,9	-	58 *	6
5904T-060-18	3	9	18	5,9	-	58 *	6
5904T-060-24	3	9	24	5,9	-	80	6
5904T-060-30	3	9	30	5,9	-	80	6
5904T-080-16	4	12	16	7,9	-	80	8
5904T-080-24	4	12	24	7,9	-	80	8
5904T-080-32	4	12	32	7,9	-	80	8
5904T-080-40	4	12	40	7,9	-	80	8
5904T-100-20	5	15	20	9,8	-	80	10
5904T-100-30	5	15	30	9,8	-	80	10
5904T-100-40	5	15	40	9,8	-	80	10
5904T-100-50	5	15	50	9,8	-	80	10
5904T-120-24	6	18	24	11,7	-	100	12
5904T-120-36	6	18	36	11,7	-	100	12
5904T-120-48	6	18	48	11,7	-	100	12
5904T-120-60	6	18	60	11,7	-	100	12



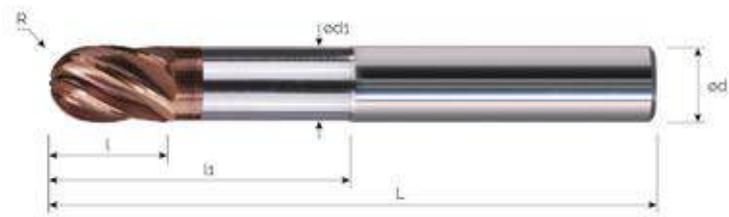
5906T

FRESA SFERICA 6T - GV / 6 FLUTES BALL NOSE END MILL - GV

MISURE DISPONIBILI / AVAILABLE SIZES **R 3 - 6**

4 microns

D 6 - 20

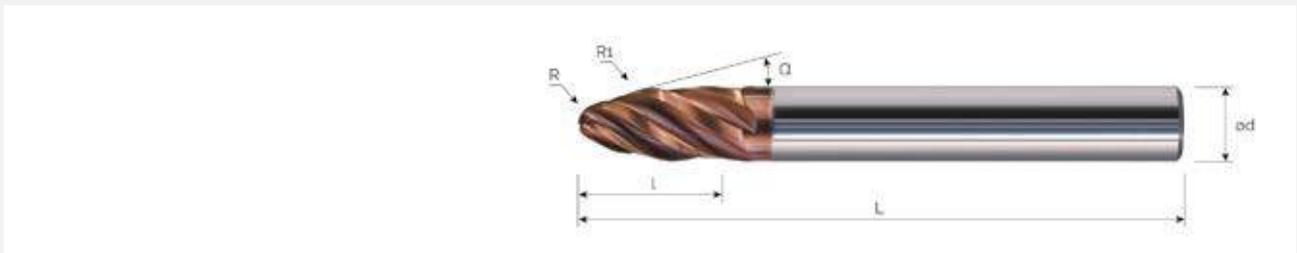


Cod.	R	l	l1	ød1	Bta	L	ød
NEW 5906T-060-12	3	9	12	5,9	-	58	6
NEW 5906T-080-16	4	12	16	7,9	-	80	8
NEW 5906T-100-20	5	15	20	9,8	-	80	10
NEW 5906T-120-24	6	18	24	11,7	-	100	12

5975T

FRESA OVALE A BOTTE 5T / 5 FLUTES END MILL OVAL BARREL FORM

MISURE DISPONIBILI / AVAILABLE SIZES R 1 - 3



Cod.	R	l	R1	α	L	$\varnothing d$
5975T-060-1	1	9	250	18°	80	6
5975T-080-1	1,5	10	250	20°	80	8
5975T-100-1	2	12	250	20°	80	10
5975T-120-1	3	12	250	20°	84	12



TAILOR MADE E SPECIALI
TAILOR MADE AND SPECIAL TOOLS

SEZIONE / SECTION **E 1 - 3**



PERSONALIZZA IL TUO UTENSILE
TAILOR YOUR TOOL

TTE SU ALCUNE LINEE DI PRODOTTO TI DÀ LA POSSIBILITÀ DI MODIFICARE LA FRESA SECONDO TUE PRECISE SPECIFICHE, GARANTENDOTI GEOMETRIA, PRESTAZIONI E GLI STESSI RENDIMENTI DELL'UTENSILE STANDARD DA CATALOGO. PER ALTRE RICHIESTE MANDACI UN FILE DXF A INFO@TTETEC.IT OPPURE VAI SUL NOSTRO SITO WWW.TTETEC.EU ALLA SEZIONE UTENSILI SPECIALI.

TTE OFFERS YOU THE POSSIBILITY TO MODIFY THE TOOL ACCORDING TO YOURS SPECIFICATIONS, ENSURING GEOMETRY, PERFORMANCE AND EFFICIENCY OF STANDARD PRODUCTS. THIS SERVICE IS AVAILABLE ONLY FOR SOME PRODUCTS. IF YOU HAVE OTHER ENQUIRIES SEND US A DXF FILE AT INFO@TTETEC.IT, OR CHECK OUR WEBSITE WWW.TTETEC.EU IN "SPECIAL TOOLS" SECTION.



LAPPATURA
POLISHING

LAPPATURA TAGLIENTI / POLISHING OF FLUTES



LUNGHEZZA DI SCARICO
LENGTH OF NECK

MODIFICA l1 / MODIFICATION OF l1



DIAMETRO DI SCARICO
NECKED DIAMETER

MODIFICA d1 / MODIFICATION OF d1



RAGGIO TORICO
CORNER RADIUS

REALIZZAZIONE RAGGI A RICHIESTA / CORNER RADIUS
PRODUCED ON SPECIFIC REQUEST



ROMPITRUCIOLO
CHIP BREAKER

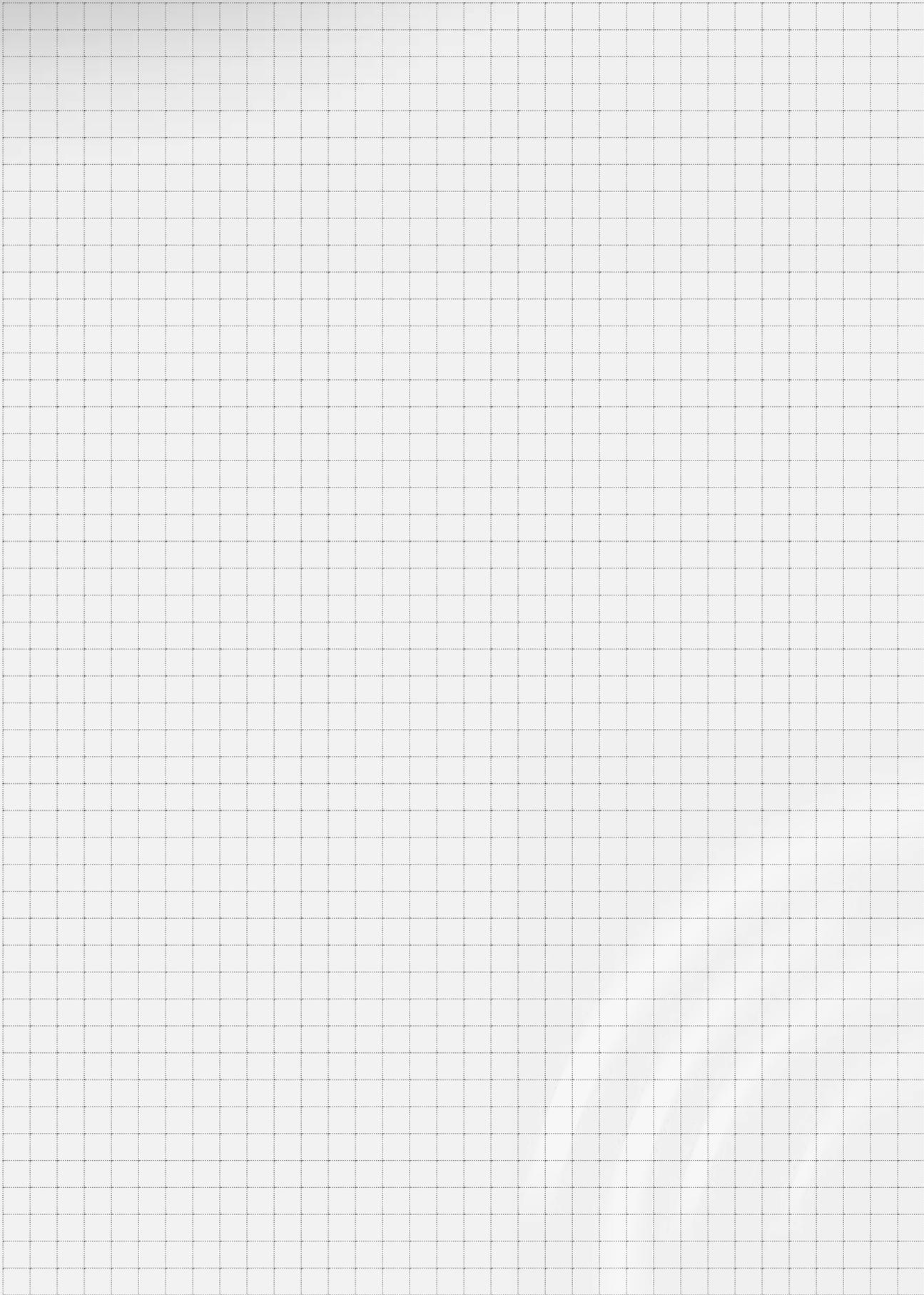
INSERIMENTO ROMPITRUCIOLO PIATTO / FLAT CHIP
BREAKER PRODUCED ON SPECIFIC REQUEST

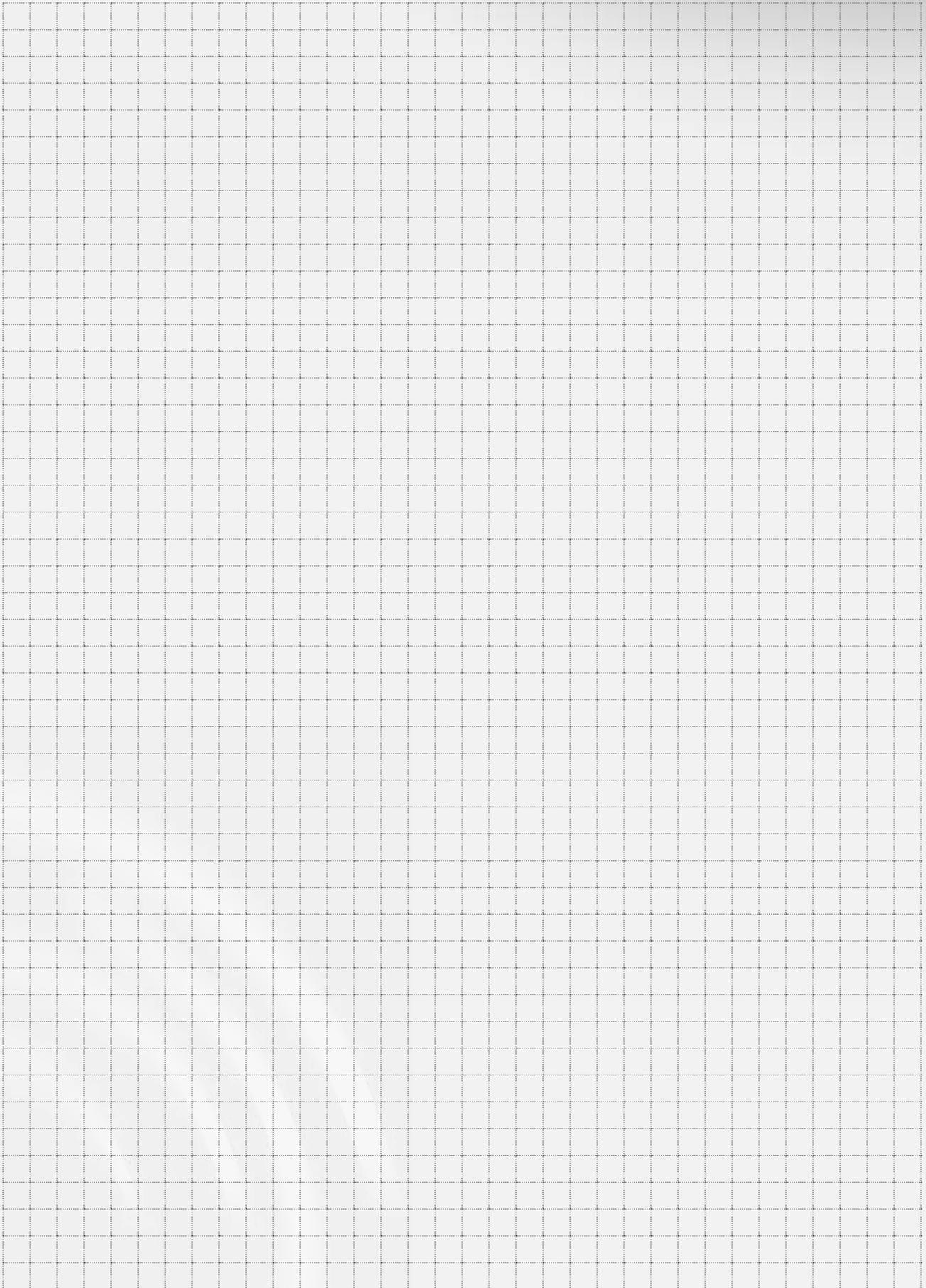


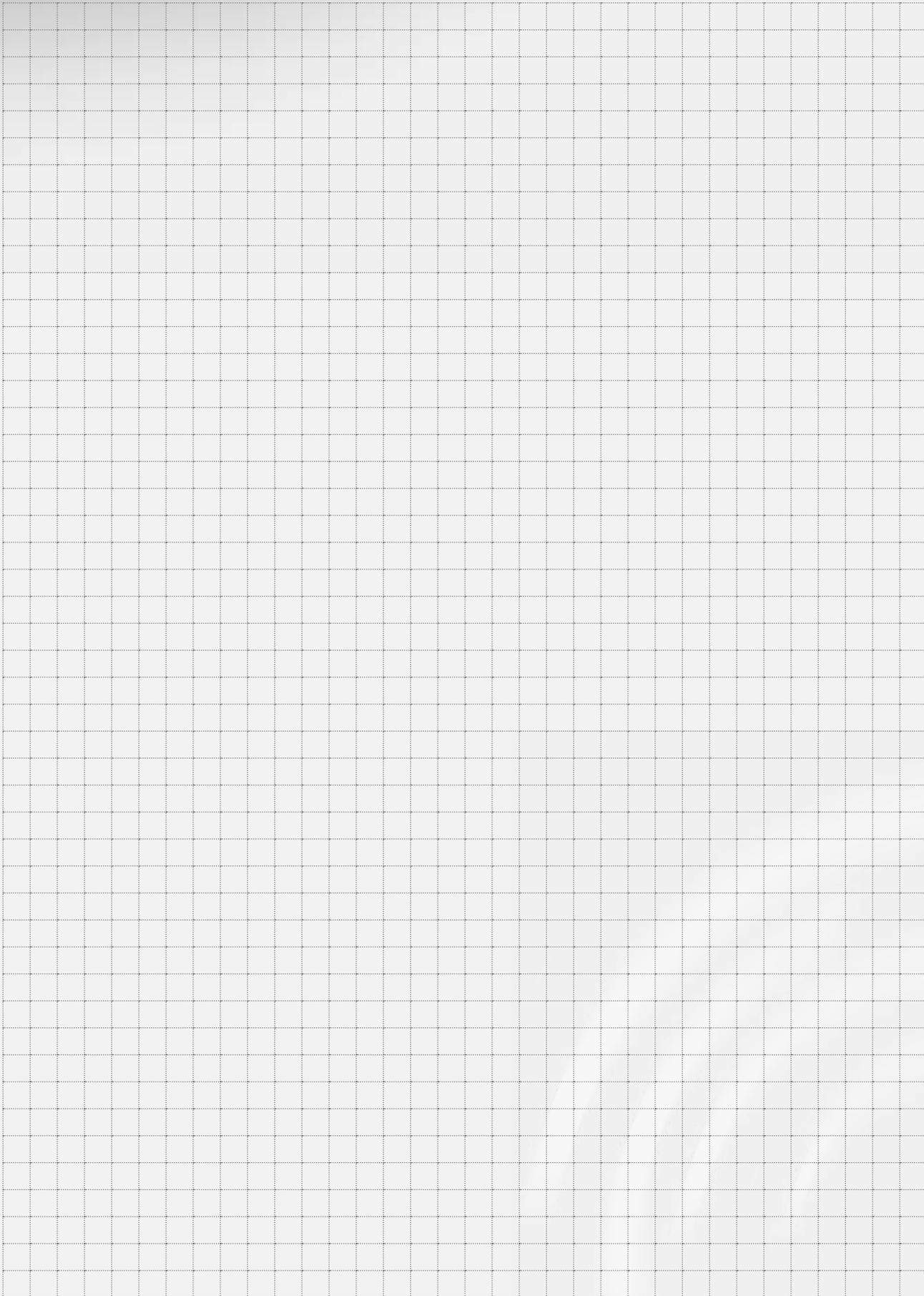
FORI
COOLANT HOLES

UTILIZZO CILINDRETTI FORATI RADIALI,
3 - 4 - 5 - 7 VIE / TOOLS PRODUCED
WITH RADIAL COOLANT HOLES, 3-4-5-7 Y



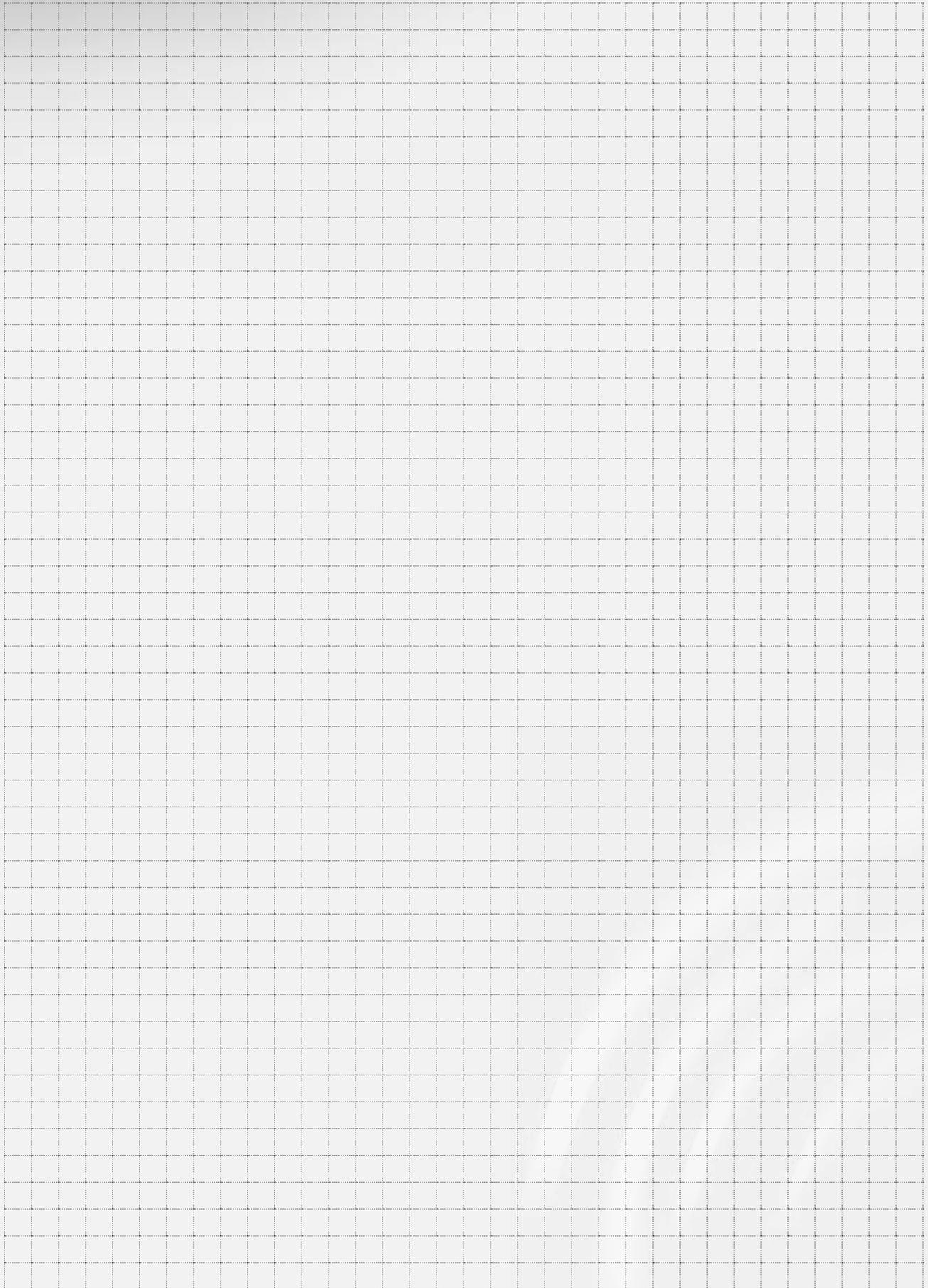








A large grid of small squares, typical of graph paper, occupies the central portion of the page. The grid is composed of thin, light gray lines forming a uniform pattern of squares.



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