



CTCP605 – UNBEATABLE DURING MACHINING OF STEEL

The new high performance
grade for bar peeling



DRAGONSKIN

by CERATIZIT

TEAM CUTTING TOOLS



klenk

CERATIZIT is a high-technology engineering
group specialised in cutting tools and hard
material solutions.

Tooling the Future

www.ceratizit.com



Impressive. Best results in steel

THE CTCP605 high-performance grade

CTCP605 the high-end grade for bar peeling from CERATIZIT. It delivers impressive performance in terms of tool life, rod surface quality and roundness. High process security and maximum chip production are among the outstanding features of these innovative indexable inserts.



You benefit from

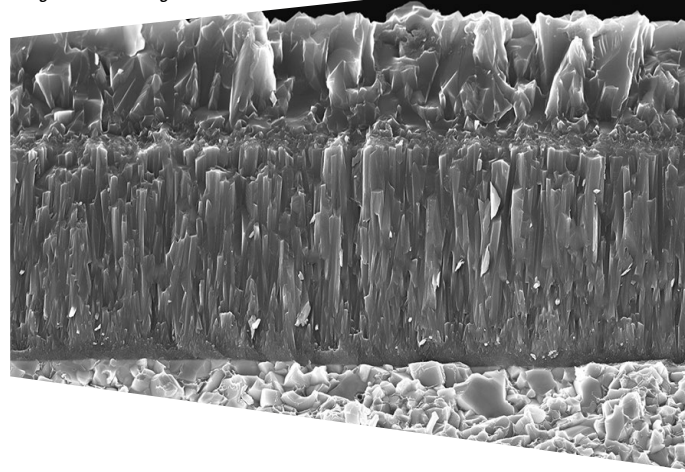
IMPROVED TOOL LIFE
DUE TO SUBSTRATE /
COATING COMBINATION

OPTIMUM ROUNDNESS (IT9)
FROM START OF PRODUCTION

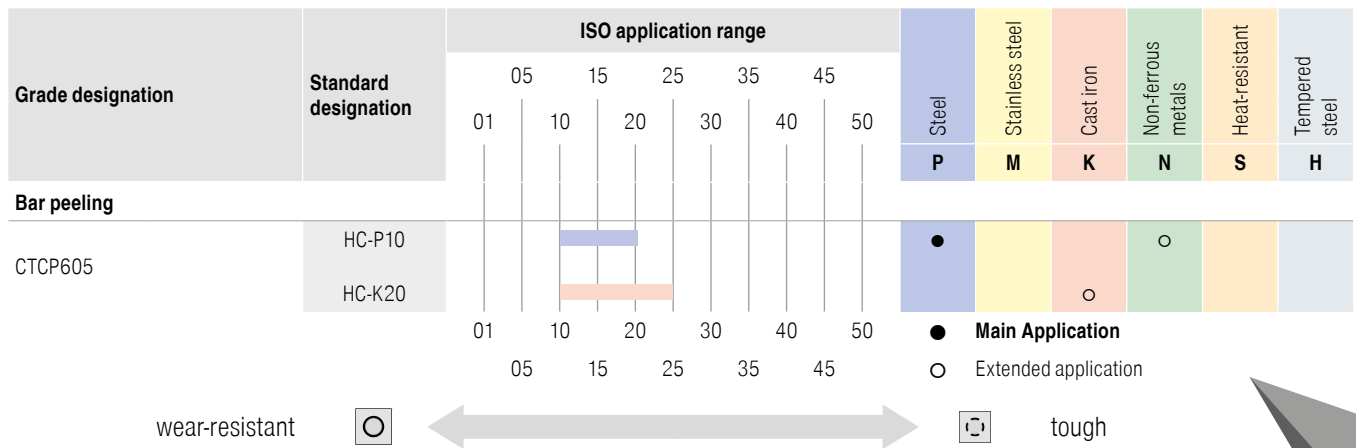
PERFECT SURFACE QUALITY
ON FINISHED PRODUCTS

The coating for maximum performance

All products that have the Dragonskin symbol represent unimaginable performance, maximum tool life and maximum process security.



Grade designation



CTCP605

- ▲ Carbide, coated
- ▲ ISO | P10 | K20
- ▲ The first choice for high cutting speeds and feeds in steel materials with very stable machine conditions



Technical support

24/7 on-site support or by telephone



Successful trials

See the next page for details

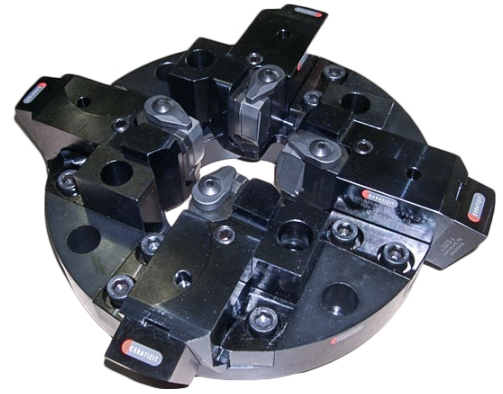


Technical Manual

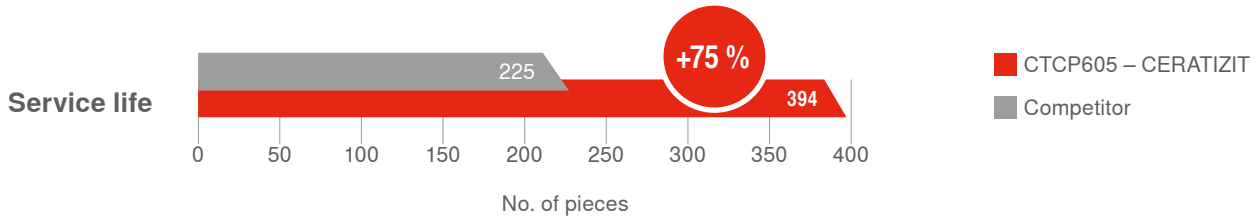
For more detailed technical information:
 Catalogue No. 94 221 34021
 Technical Manual – Bar Peeling

Test report 1

Workpiece: Bright steel \varnothing 29.8 mm / L = 5890 mm
Material: V953SB (1.1210)
Indexable insert: YNUF 241020S60-M50
Machine / Cassette: SMS Schumag PM1 / CA00-YNUF24



	Competitor	CERATIZIT
v_c (m/min):	160 m/min	136 m/min
f (mm/U):	13,2 mm	15,5 mm
a_p (mm):	0,9 mm	0,9 mm

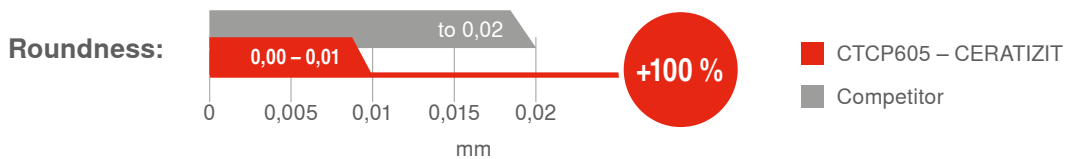


Test report 2

Workpiece: Bright steel \varnothing 26 mm / L = 6000 mm
Material: 30CrNiMo8 (1.6580)
Indexable insert: YNUF 170820S42-M50
Machine / Cassette: EJP / CA00-YNUF17



	Competitor	CERATIZIT
v_c (m/min):	98 m/min	90 m/min
f (mm/U):	5 mm	8,15 mm
a_p (mm):	0,68 mm	0,68 mm

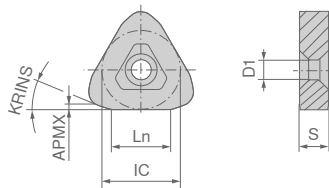


Designation system (CERATIZIT STANDARD)

Indexable Inserts, Bar peeling

L N G F 23 10 25 S 50 - R 50
 1 2 3 4 5 6 7 8 9 10 11

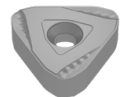
NNUX
 1 2 3 4 — NNUX



NEW

-M43
 CTC605

DRAGONSKIN



NNUX

74 064 ...

Designation

NNUX 201020P30-M43
 NNUX 201020S42-M43
 NNUX 201020S50-M43
 NNUX 201020P50-M43
 NNUX 201020S60-M43
 NNUX 201020P60-M43

5 6 7 8 9 10 11

Designation	Ln mm	APMX mm	S mm	KRINS	IC mm	D1 mm	NOI	
NNUX 201020P30-M43	20	2,5	10,00	20°	28	7	6	44101
NNUX 201020S42-M43	20	2,5	10,00	20°	28	7	6	44401
NNUX 201020S50-M43	20	2,5	10,00	20°	28	7	6	44501
NNUX 201020P50-M43	20	2,5	10,00	20°	28	7	6	
NNUX 201020S60-M43	20	2,5	10,00	20°	28	7	6	44601
NNUX 201020P60-M43	20	2,5	10,00	20°	28	7	6	44301



You will find full details of the product designation on **pages 66+67** of the Technical Manual.

You will also find indexable inserts in the geometries NNUX and YNUF in the grade CTC605 on **pages 74, 77, 105+106**.



Catalogue No. 94 221 34021
 Technical Manual
 Bar Peeling

Technical Manual – Bar peeling

Changed markets, new technologies and the development of complex materials mean that whole segments of industry are faced with major challenges - from the automotive industry and the energy sector to aviation and aerospace. As a creative and expert partner, we will work with you to develop sector-specific applications and individual solutions. Detailed technical information, grade descriptions, cutting data, useful application tips and specific application data can be found in the Technical Manual.



Download and more information at
cutting.tools/int/en/bar-peeling

UNITED. EXPERIENCED. METAL CUTTING.



**SPECIALIST FOR INDEXABLE INSERT TOOLS
FOR TURNING, MILLING AND GROOVING**

The product brand CERATIZIT stands for high-quality indexable insert tools. The products are characterized by their high quality and contain the DNA of many years of experience in the development and production of carbide tools.



**THE QUALITY LABEL FOR
EFFICIENT BORE PRODUCTION**

High-precision drilling, reaming, countersinking and boring is a matter of expertise: efficient tooling solutions for drilling and mechatronic tools are therefore part of the KOMET brand name.



**EXPERTS FOR ROTATING TOOLS,
TOOL HOLDERS AND CLAMPING SOLUTIONS**

WNT is synonymous with product diversity: solid carbide and HSS rotating tools, tool holders and efficient workholding solutions are all part of this brand.



**CUTTING TOOLS
FOR THE AEROSPACE INDUSTRY**

Solid carbide drills specially developed for the aerospace industry bear the product name KLENK. The highly specialised products are specifically designed for machining lightweight materials.