

CTCP605 – UNBEATABLE DURING MACHINING OF STEEL

The new high performance
grade for bar peeling

DRAGONSKIN
by CERATIZIT

TEAM CUTTING TOOLS



KOMET



WALT 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)

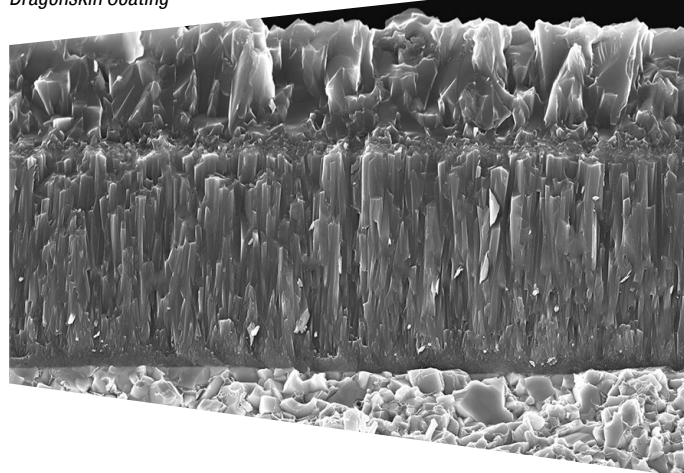
FROM START OF PRODUCTION

PERFECT SURFACE QUALITY

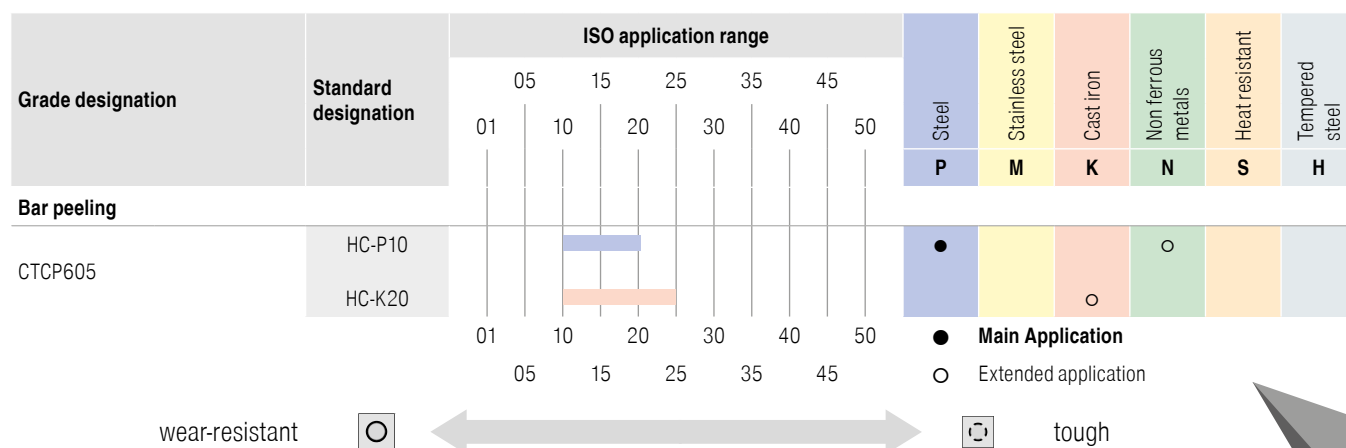
ON FINISHED PRODUCTS

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

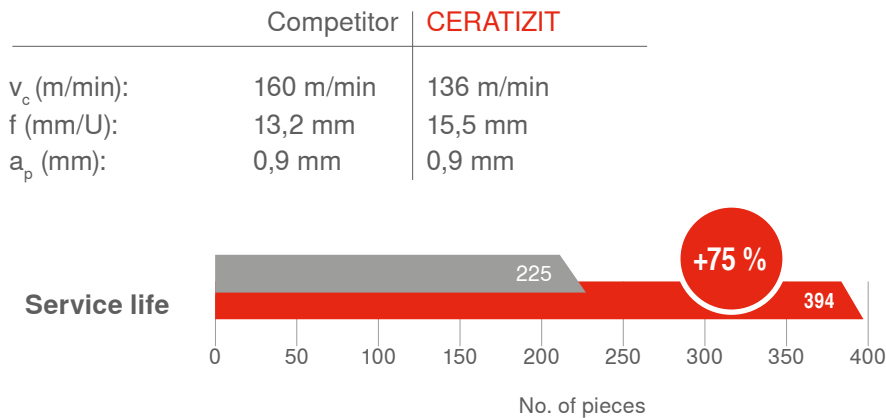
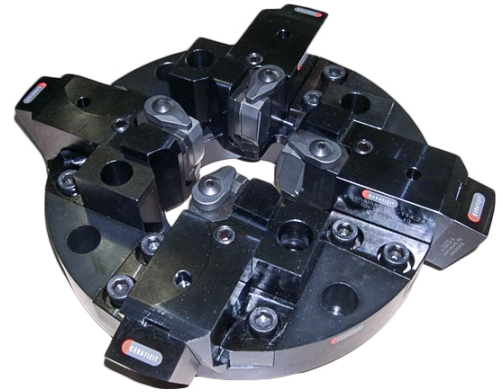


Technical Manual

For more detailed technical information: Catalogue No. 7003078 Technical Manual - Bar Peeling

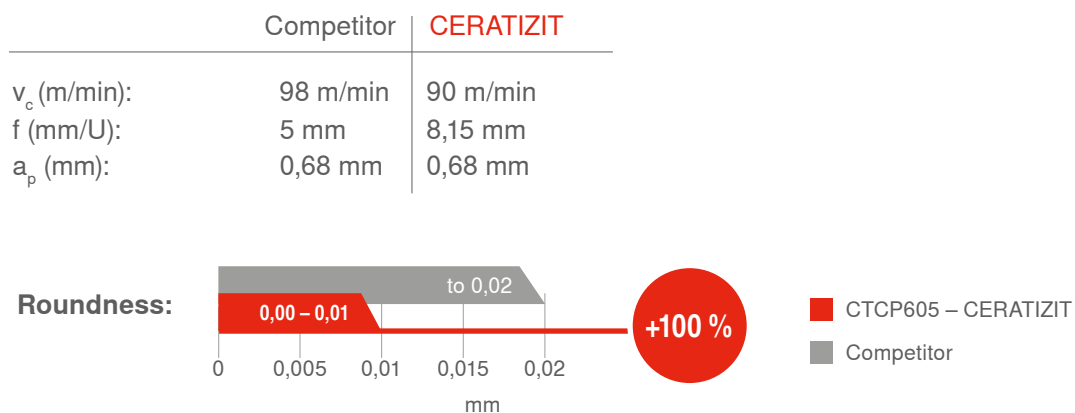
Test report 1

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



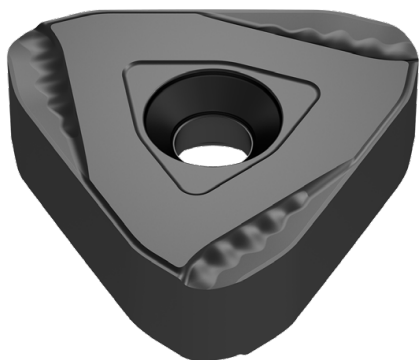
Test report 2

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



Designation system (CERATIZIT STANDARD)

Indexable Inserts, Bar peeling



L N G F 23 10 25 S 50 - R 50

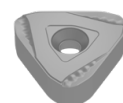
1 2 3 4 5 6 7 8 9 10 11

NNUX
1 2 3 4

NNUX

-M43
CTCP605

DRAGONSKIN



NNUX

Designation

NNUX 201020P30-M43
NNUX 201020S42-M43
5 6 7 8 9

Designation

NNUX 201020P30-M43
 NNUX 201020S42-M43

Article no.
 74 064 ...

44101
 44401



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



Technical Manual – Bar peeling

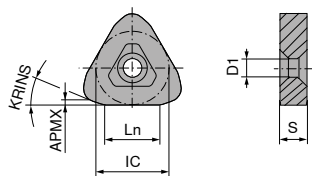
Changed markets, new technologies and the development of complex materials mean that whole segments of industry are faced with major challenges - from the automotive industry and the energy sector to aviation and aerospace. As a creative and expert partner, we will work with you to develop sector-specific 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.



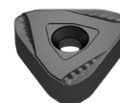
Download from www.ceratizit.com

Catalogue No. 7003078
Technical Manual
Bar Peeling

NNUX

-M43
CTCP605

DRAGONSKIN



NNUX

NEW

Article no.
74 064 ...

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

Steel

Stainless steel

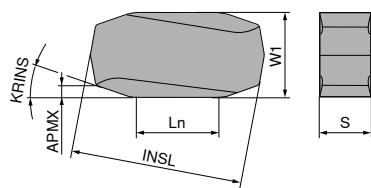
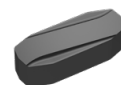
Cast iron

Non ferrous metals

Heat resistant alloys

Hardened materials

YNUF

**-M50**
CTCP605**DRAGONSKIN**

YNUF

NEWArticle no.
74 007 ...

Designation	Ln mm	KRINS	APMX mm	S mm	W1 mm	INSL mm	
YNUF 170820P30-M50	17	20°	1,5	8,00	12	31	40701
YNUF 170820S42-M50	17	20°	1,5	8,00	12	31	40101
YNUF 170820S50-M50	17	20°	1,5	8,00	12	31	40201
YNUF 170820S60-M50	17	20°	1,5	8,00	12	31	40301
YNUF 170820P60-M50	17	20°	1,5	8,00	12	31	40401
YNUF 200920P30-M50	20	20°	2,0	9,00	18	37	42101
YNUF 200920S42-M50	20	20°	2,0	9,00	18	37	42201
YNUF 200920S50-M50	20	20°	2,0	9,00	18	37	42301
YNUF 200920S60-M50	20	20°	2,0	9,00	18	37	42401
YNUF 200920P60-M50	20	20°	2,0	9,00	18	37	42501
YNUF 201220P30-M50	20	20°	2,0	12,00	18	37	42601
YNUF 201220S42-M50	20	20°	2,0	12,00	18	37	42701
YNUF 201220S50-M50	20	20°	2,0	12,00	18	37	42801
YNUF 201220S60-M50	20	20°	2,0	12,00	18	37	42901
YNUF 201220P60-M50	20	20°	2,0	12,00	18	37	43001
YNUF 241020P30-M50	24	20°	1,2	10,00	15	35	44101
YNUF 241020S42-M50	24	20°	1,2	10,00	15	35	44201
YNUF 241020S50-M50	24	20°	1,2	10,00	15	35	44301
YNUF 241020S60-M50	24	20°	1,2	10,00	15	35	44401
YNUF 241020P60-M50	24	20°	1,2	10,00	15	35	44501
YNUF 271220P30-M50	27	20°	2,0	12,00	18	43	46101
YNUF 271220S42-M50	27	20°	2,0	12,00	18	43	46201
YNUF 271220S50-M50	27	20°	2,0	12,00	18	43	46301
YNUF 271220S60-M50	27	20°	2,0	12,00	18	43	46401
YNUF 271220P60-M50	27	20°	2,0	12,00	18	43	46501

Steel

Stainless steel

Cast iron

Non ferrous metals

Heat resistant alloys

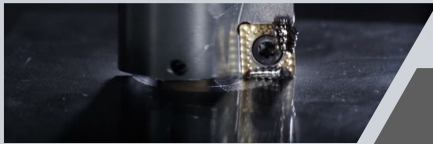
Hardened materials

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.