

MIRKA



SILVER
RANGE

GOLD
RANGE

PLATINUM
RANGE

Mirka® Cafro | Tungsten carbide round tool manufacturing

ABOUT MIRKA

Mirka's journey began in Finland in 1943, and we have been driving innovation in the coated abrasives industry ever since. In 2009 we set our sights on the precision industry field, with a focus on industrial customers demanding high performance, high quality, reliable products and solutions. This shaped our strategy of gaining competence through the careful acquisition of companies that augment the Mirka brand and product portfolio. A key aspect of joining Mirka is sharing common values – Responsibility, Innovation, Respect and Dedication. In addition, their acquisition should open new markets and opportunities.

In 2017, this led to the acquisition of **Cafro** – a family-owned Italian producer of superabrasive grinding wheels with a perfect portfolio match. In 2021, the acquisition of Italian superabrasive dressing roll manufacturer **Urma Rolls** was a natural next step.

Our focus remains on providing customers with a complete solution to their industrial needs, and future members of the Mirka family are sure to further improve our market position.



Mirka's headquarters and production sites are located in Finland. The company has more than 1500 employees, with subsidiaries located in Europe, the Middle East, the Americas and Asia. Over 97% of Mirka's production is exported, with products being sold in over 100 countries.

All Mirka® Cafro products are manufactured at the Mirka® Cafro plant in Fino Mornasco, Italy.

Contact / Visit

Mirka Head Office
Pensalavägen 210
FI-66850 Jeppo
Finland

**Customer Service
(Central)**
Phone +358 (0)20 760 2111
customerservice@mirka.com

CONTENT

MIRKA CAFRO	
PRODUCT RANGE INTRODUCTION AND SELECTION GUIDE	4
SILVER - GOLD - PLATINUM RANGE EXAMPLE	5
WHEEL NAME EXPLANATION	6
SELECTION GUIDE	7
WHEELS	
Wheels for Flute grinding	8-9
Wheels for Gashing	10-11
Wheels for Clearance grinding	12-13
Wheels for Cut-off	14-15



MIRKA® CAFRO PRODUCT RANGE

SILVER • \ GOLD •• \ PLATINUM •••

Tungsten carbide round tool manufacturing

“Selecting the optimal wheel for your operation has never been this easy”

Mirka's Cafro product line is an innovative, quality-driven brand that strives to provide the ideal professional solution for our customers.

With our new *Silver-Gold-Platinum* range, we aim to guide our customers in selecting the best product for their specific need. We want to make the selection process easy, depending on what the customer wants to achieve. Our performance-based designation system allows for an easy selection process and helps you to find the ideal Mirka Cafro superabrasive for your operation and machine.

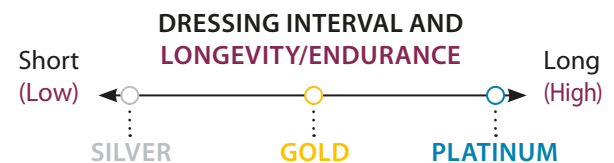
Selection Guide

FLUTE GRINDING

		Spindle power		
		<7kW	7-10kW	>10kW
Series size	Small	Silver	Silver/Gold	Gold
	Medium	Silver/Gold	Gold	Gold/Platinum
	Large	Gold	Gold	Platinum

GASHING / CLEARANCE GRINDING

		Dressing interval		
		Frequent	Occasional	Seldom
Series size	Small		Silver	Gold
	Medium	Silver	Gold	Platinum
	Large	Gold	Platinum	Platinum



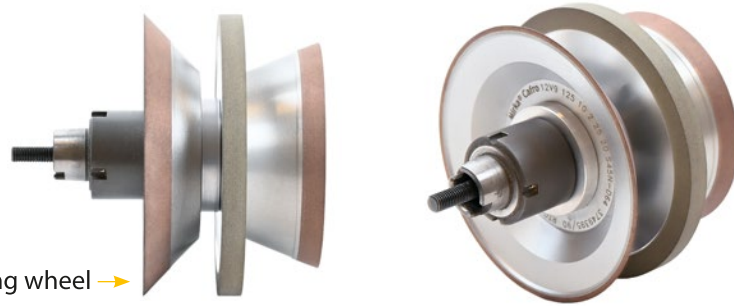
SILVER-GOLD-PLATINUM RANGE

SILVER •

Example consisting of

- Gashing wheel
12V9 125 10 2 25 20 S45N-D64 RTG.01
- Flute grinding wheel
1A1 125 10 10 10 20 S45N-D91 RTF.01
- Clearance grinding wheel
11V9 100 10 3 35 20 S45N-D64 RTC.01

Gashing wheel →

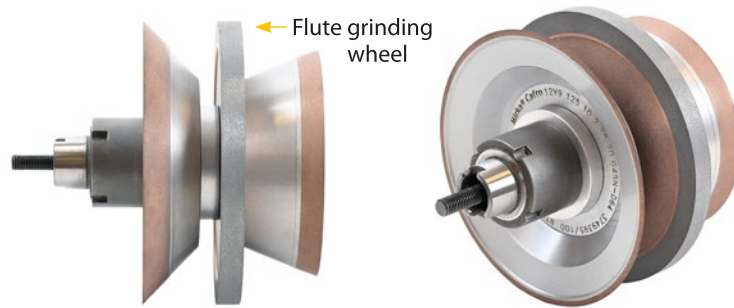


GOLD ••

Example consisting of

- Gashing wheel
12V9 125 10 2 25 20 G45N-D64 RTG.02
- Flute grinding wheel
1A1 125 10 10 10 20 G45N-D64 RTF.02
- Clearance grinding wheel
11V9 100 10 3 35 20 G45N-D64 RTC.02

← Flute grinding wheel

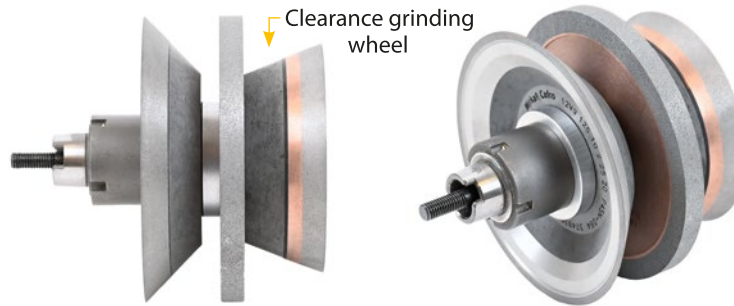


PLATINUM •••

Example consisting of

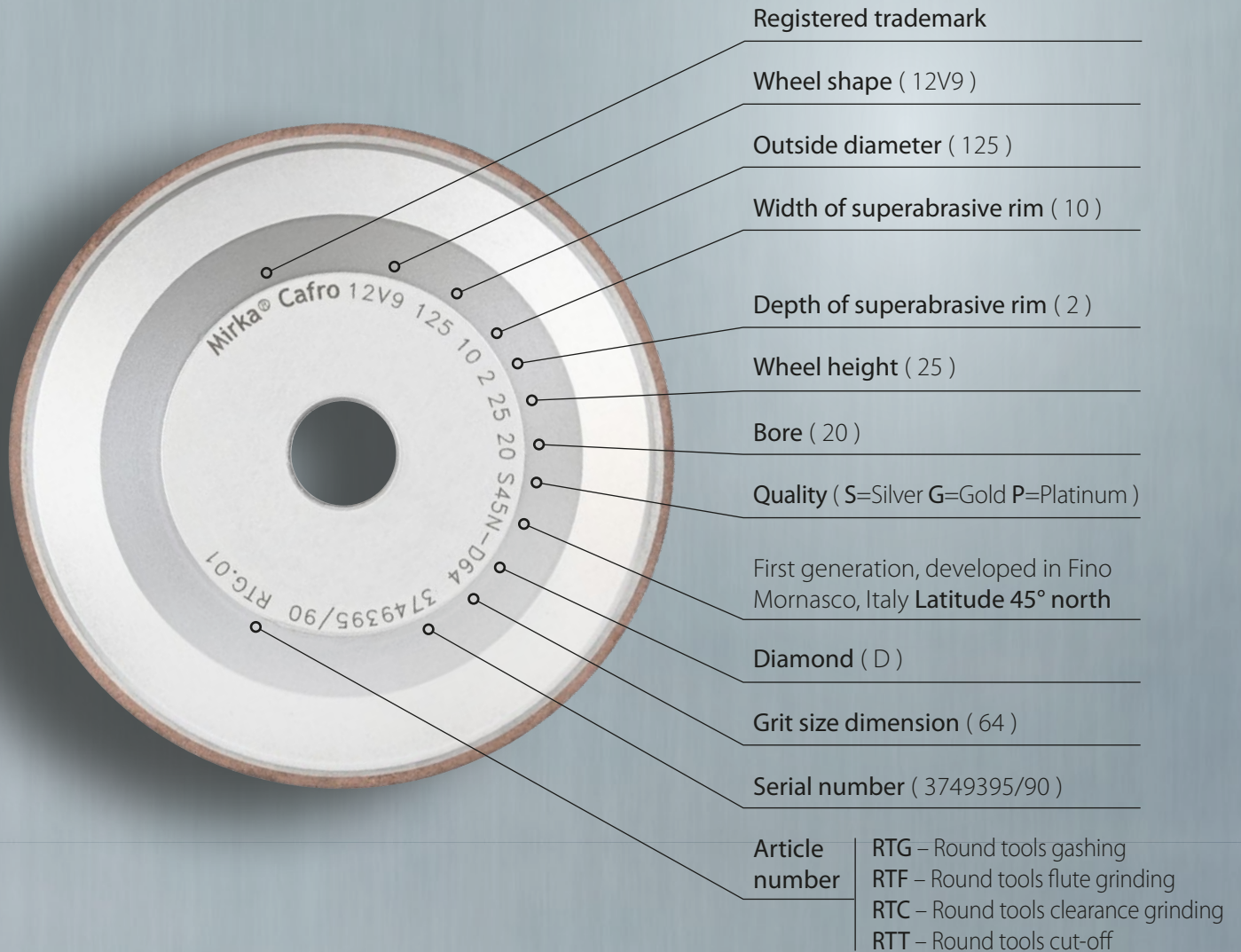
- Gashing wheel
12V9 125 10 2 25 20 P45N-D64 RTG.03
- Flute grinding wheel
1A1 125 10 10 10 20 P45N-D64 RTF.03
- Clearance grinding wheel
11V9 100 10 3 35 20 P45N-D64 RTC.03

← Clearance grinding wheel



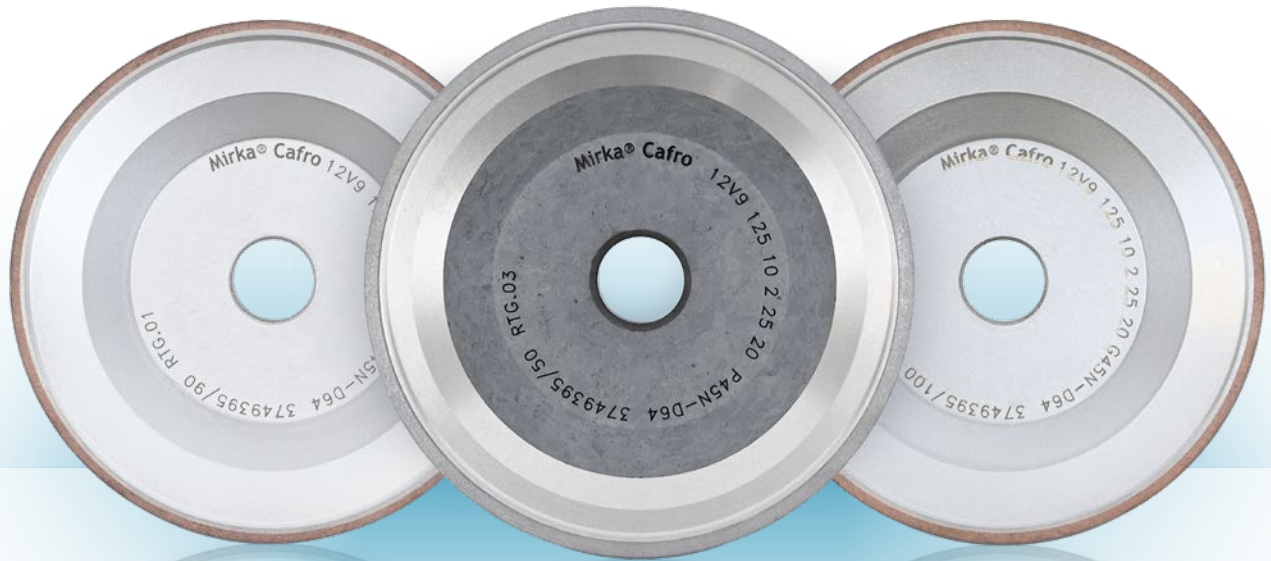
A PERFORMANCE-BASED DESIGNATION SYSTEM

WHEEL NAME EXPLANATION



Mirka® Cafro

GASHING WHEELS

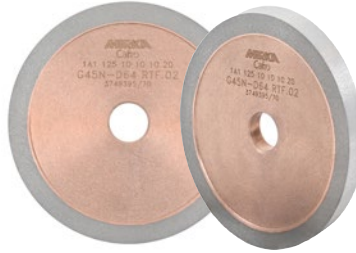


WHEELS FOR FLUTE GRINDING

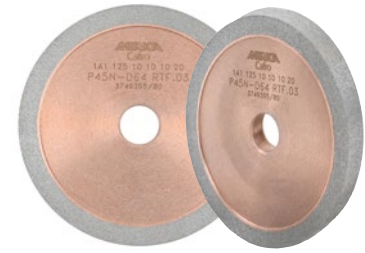
SILVER •



GOLD ••



PLATINUM •••



	Wheel name (Description)	St Code
SILVER	1A1 125 10 10 10 20 S45N-D91 *	RTF.01 U
SILVER	1B1V 125 10 10 10 20 S45N-D91 **	RTF.31 U
GOLD	1A1 125 10 10 10 20 G45N-D64 *	RTF.02 U
GOLD	1B1V 125 10 10 10 20 G45N-D64 **	RTF.32 U
PLATINUM	1A1 125 10 10 10 20 P45N-D64 *	RTF.03 U
PLATINUM	1B1V 125 10 10 10 20 P45N-D64 **	RTF.33 U

* 1A1 wheels are primarily used for endmills

** 1B1V wheels are primarily used for drills

U = Bore 31.75 mm

SELECTION GUIDE / FLUTE GRINDING

		Spindle power		
		<7kW	7-10kW	>10kW
Series size	Small	Silver	Silver/Gold	Gold
	Medium	Silver/Gold	Gold	Gold/Platinum
	Large	Gold	Gold	Platinum



FLUTE GRINDING



WHEELS FOR GASHING

SILVER •



GOLD ••



PLATINUM •••

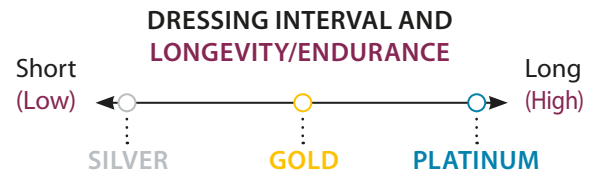


	Wheel name (Description)	St Code
SILVER	12V9 125 10 2 25 20 S45N-D64	RTG.01 U
GOLD	12V9 125 10 2 25 20 G45N-D64	RTG.02 U
PLATINUM	12V9 125 10 2 25 20 P45N-D64	RTG.03 U

U = Bore 31.75 mm

SELECTION GUIDE / GASHING

		Dressing interval		
		Frequent	Occasional	Seldom
Series size	Small		Silver	Gold
	Medium	Silver	Gold	Platinum
	Large	Gold	Platinum	Platinum



GASHING



WHEELS FOR CLEARANCE GRINDING

SILVER •



GOLD ••



PLATINUM •••

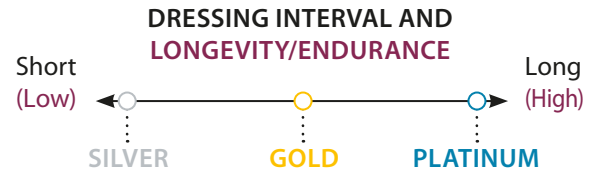


	Wheel name (Description)	St Code
SILVER	11V9 100 10 3 35 20 S45N-D64	RTC.01U
GOLD	11V9 100 10 3 35 20 G45N-D64	RTC.02U
PLATINUM	11V9 100 10 3 35 20 P45N-D64	RTC.03U

U = Bore 31.75 mm

SELECTION GUIDE / CLEARANCE GRINDING

		Dressing interval		
		Frequent	Occasional	Seldom
Series size	Small		Silver	Gold
	Medium	Silver	Gold	Platinum
	Large	Gold	Platinum	Platinum



CLEARANCE GRINDING



WHEELS FOR CUT-OFF

DRY



WET



	Wheel name (Description)	St Code
DRY	1A1R 150 1,2 7 1 20 G45N-D151	RTT.01
	1A1R 200 1,2 7 1 20 G45N-D151	RTT.02
WET	1A1R 150 1,2 7 1 20 P45N-D126	RTT.31
	1A1R 200 1,3 7 1 20 P45N-D126	RTT.32

A close-up photograph of a metal cutting process. A cylindrical metal workpiece is being cut by a tool, creating a dark, textured chip. The workpiece has a fine, radial texture. A dark, semi-transparent horizontal band is overlaid across the top of the image, containing the text "CUT-OFF" in a bold, white, sans-serif font. The background is a plain, light-colored surface.

CUT-OFF

Mirka Ltd
Finland

Brazil Mirka Brasil Ltda.

Belgium Mirka Belgium Logistics NV

Canada Mirka Canada Inc.

China Mirka Trading Shanghai Co., Ltd

Finland & Baltics Mirka Ltd

France Mirka France Sarl

Germany Mirka GmbH

India Mirka India Pvt Ltd

Italy Mirka Italia s.r.l., CAFRO S.p.A

Mexico Mirka Mexicana S.A. de C.V.

Russia Mirka Rus LLC

Singapore Mirka Asia Pacific Pte Ltd

Spain KWH Mirka Ibérica S.A.U.

Sweden Mirka Scandinavia AB

Turkey Mirka Turkey Zımpara Ltd Şirketi

United Kingdom Mirka (UK) Ltd

United Arab Emirates Mirka Middle East FZCO

USA Mirka USA Inc.

For more information, please visit
mirka.com/en/know-how/applications/round-tool-manufacturing/silver-gold-platinum

