



Ruthinium **DISC**



ruthinium.it

PMMA Discs

PMMA discs for the CAD-CAM processing of long lasting temporary crowns and bridges, made of cross-linked high molecular weight resin, which guarantees faithful reproduction of details and strength even at thin thicknesses.

Medical device intended for dental CAD/CAM: the dental laboratory provides milling to obtain temporary and/or permanent teeth, moulded structures such as crowns, temporary bridges, etc.

Complies with ISO 10477:2020



Advantages:

- High detail reproduction in milling
- No chipping, even with very thin layers
- Abrasion resistance
- Fluorescence
- Fully calcinable, leaves no residue
- Colour stability

MD CE
CLASS IIA 0476

Product	Code	Product	Code
Ruthinium Disc	7900087	Ruthinium Disc A Multilayer	7900090
Ruthinium Disc Z	7900101	Ruthinium Disc Multilayer SC	7900099
Ruthinium Disc A	7900089	Ruthinium Disc Z Multilayer SC	7900103
Ruthinium Disc Multilayer	7900088	Ruthinium Disc A Multilayer SC	7900100
Ruthinium Disc Z Multilayer	7900102		

Ruthinium DISC

PMMA Monochrome Disc

Colors A1 - A2 - A3 - A3,5 - A4 - B1 - B2 - B3 - B4 - BL
C1 - C2 - C3 - C4 - D2 - D3 - D4 - NEUT - PINK - RX - OP1

Formats



Thicknesses in mm.
Ø 98,5: 14 - 16 - 18 - 20 - 25 - 30
Ø 95: 16 - 18 - 20 - 25 - 30
Ø 75: 16 - 20 - 25

Ruthinium DISC

MULTILAYER

MULTILAYER SC

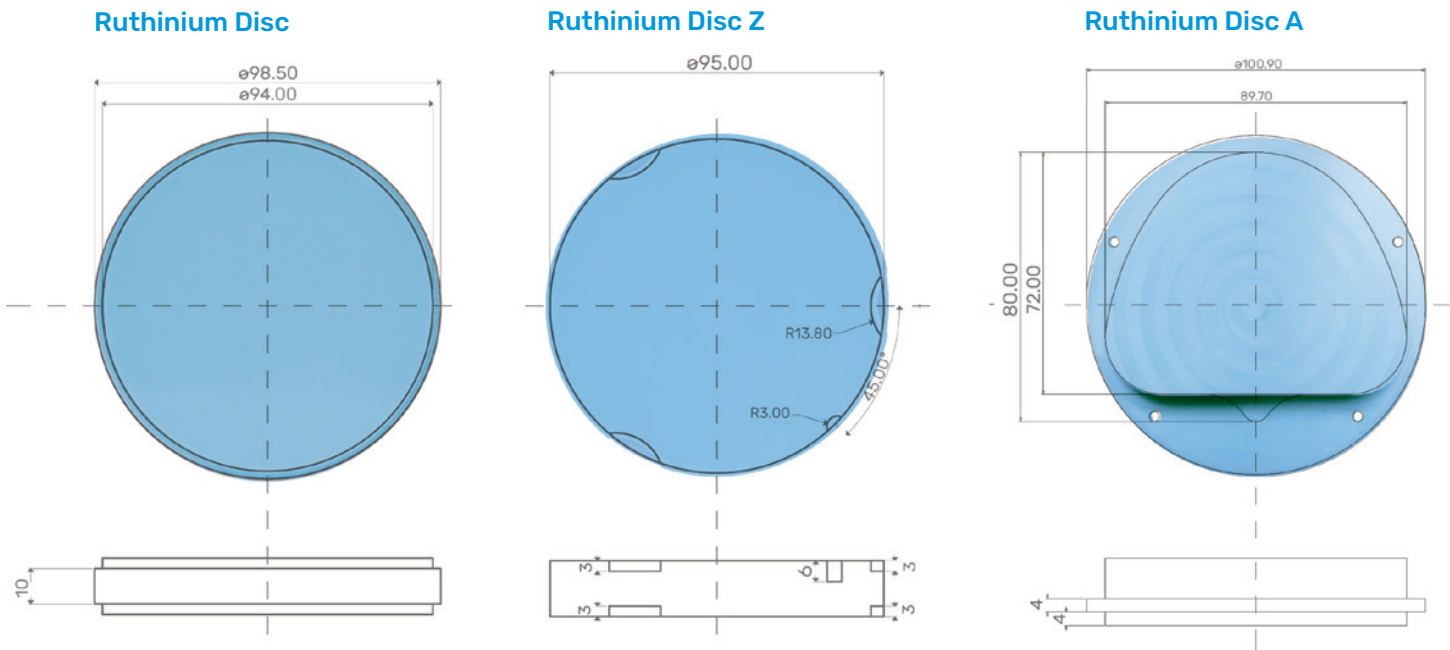
Multilayer PMMA Disc

Colors A1 - A2 - A3 - A3,5 - A4 - B1 - B2 - B3 - B4 -
C1 - C2 - C3 - C4 - D2 - D3 - D4

Formats



Thicknesses in mm.
Ø 98,5: 14 - 16 - 18 - 20 - 25 - 30
Ø 95: 16 - 18 - 20 - 25 - 30
Ø 75: 16 - 20 - 25



Natural layering

Ruthinium Disc Multilayer features gradual layering that provides temporaries with a natural aesthetic effect.



Ruthinium Disc Multilayer SC features layering with a gradient effect between enamel and dentin for better performance.

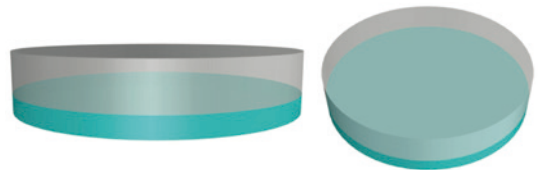


THICKNESS OF COLLAR LAYER AND DENTIN/ENAMEL LAYER

This is the simulation of how the CAD/CAM software should display our multilayer discs, in blue the collar part and in white the dentin/enamel part, with transparent effect to see the correct positioning, obviously with the exact proportions according to thicknesses.

Thickness (mm.) Collar (mm.) Dentin/Enamel (mm.)

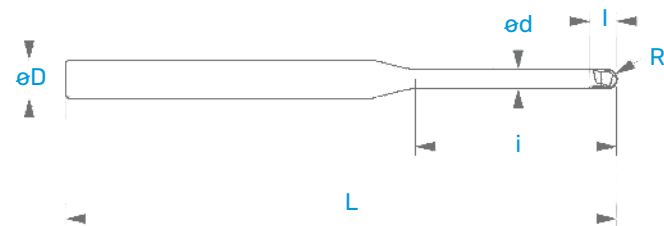
14	4.4	9.6
16	5.0	11.0
18	5.6	12.4
20	6.25	13.75
25	7.8	17.2
30	9.5	20.5



RECOMMENDED WORK STRATEGY

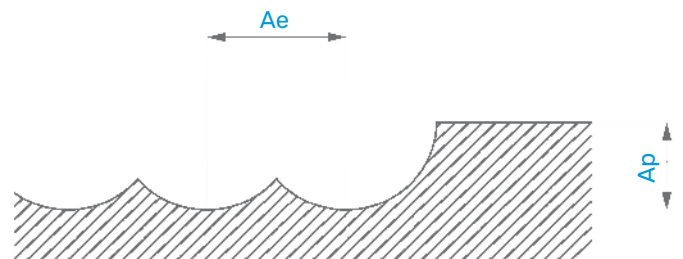
RECOMMENDED WORK STRATEGY

Ø TOOL	No. CUTS	R	I	i	ØD	L
2	2	1	1.6	20	3	50
1	2	0.5	0.8	16	3	50
0.6	2	0.3	0.5	10	3	50



MILLING PARAMETERS

TURNS (S)	ADVANCE (F) XY	ADVANCE (F) Z	Ae (XY)	Ap (Z)
18500	1200	800	1	0.5
25000	1000	600	0.15	0.08
30000	500	500	0.05	0.05



ØD = Constrained by caliper measurement of the tiller

TOOL TYPE and MILLING PARAMETERS = recommended values and work strategy, consult with device supplier.

Ruthinium DISC easy



Product

Ruthinium Disc Easy

Code

7900095

SPECIFICATIONS



PACKx5

Product marketed in packs of 5 pieces. 5 instructions included.

AVAILABLE COLOURS

A2-A3-NEUT

AVAILABLE THICKNESSES

16mm

20mm

25mm

Available only NEUT



CLASS I

Produced for temporaries

ATTACHMENT STANDARD 98,5mm

Find the advantage in CAD-CAM for temporaries.

Softer. More malleable. Quality as always.

We have taken up the demand for a more versatile and easy-to-machine CAD-CAM material. Comparison with our other DISCs brings evidence of a softer disc suitable for CAD-CAM temporary machining.

19,9 HV	19,9 HV	20,2 HV	22,5 HV	21 HV
Ruthinium DISC MULTILAYER SC	Ruthinium DISC MULTILAYER	Ruthinium DISC MULTILAYER	Ruthinium DISC MULTILAYER	Ruthinium DISC easy

THE SOFTEST



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and download the electronic Instructions for Use

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