



Nd:YAG Laser Crystals

Nd:YAG CRYSTALS (Standard Rods)



EKSMA OPTICS offers standard specifications high optical quality Nd:YAG rods with high damage threshold AR @ 1064 nm coatings.

SPECIFICATIONS OF STANDARD Nd:YAG LASER RODS

Nd Doping Level	0.8% or 1.1%
Orientation	<111> crystalline direction
Surface Quality	10-5 scratch & dig (MIL-PRF-13830B)
Surface Flatness	$\lambda/10$ at 633 nm
Parallelism	< 10 arcsec
Perpendicularity	< 5 arcmin for plano/plano ends
Diameter Tolerance	+0/-0.05 mm
Length Tolerance	+1/-0.5 mm
Clear Aperture	> 90 % of full aperture
Chamfers	0.1 mm at 45 deg
Coating	Both sides coated AR @ 1064 nm, R < 0.2%, AOI = 0 deg
Barrel Grooving	All dia 6.35, 8, 10, 12 mm rods with barrel grooving

Code	Description	Diameter, mm	Length, mm	Doping, %	Wedge of the ends, deg	Coating	Application	Price, EUR
E-Y-3-0.8-A/A	Nd:YAG	3	65	0.8	0/0	AR/AR @ 1064 nm	Generation @ 1064 nm	265
E-Y-3-1.1-A/A	Nd:YAG	3	65	1.1	0/0	AR/AR @ 1064 nm	Generation @ 1064 nm	325
E-Y-4-0.8-A/A	Nd:YAG	4	65	0.8	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	410
E-Y-4-1.1-A/A	Nd:YAG	4	65	1.1	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	410
E-Y-6.35-1.1-A/A	Nd:YAG	6.35	85*	1.1	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	875
E-Y-8-1.1-A/A	Nd:YAG	8	85*	1.1	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	1065
E-Y-10-1.1-A/A	Nd:YAG	10	85*	1.1	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	1695
E-Y-12-0.8-A/A	Nd:YAG	12	100*	0.8	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	2280
E-Y-12-1.1-A/A	Nd:YAG	12	100*	1.1	3/3 parallel	AR/AR @ 1064 nm	Generation @ 1064 nm	2280

* rods with barrel grooving, except 10 mm at both ends of the rod without grooving.

RELATED PRODUCTS

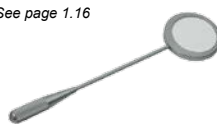
Laser Safety Eyewear

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Visualizator 990-0840

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Pockels Cells for Q-Switching

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