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TECHSPEC® YAG-BBAR Coated Double-Convex (DCX) Lenses



- Optimized for $R < 0.25\%$ @ 532nm and 1064nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [NIR I](#), [NIR II](#), [VIS-EXT](#), and [VIS-NIR](#)

Common Specifications

Physical & Mechanical Properties

Bevel: Protective as needed

Optical Properties

Coating: YAG-BBAR (500-1100nm)

Coating Specification:

$R_{\text{abs}} < 0.25\%$ @ 532nm
 $R_{\text{abs}} < 0.25\%$ @ 1064nm
 $R_{\text{avg}} < 1.0\%$ @ 500 - 1100nm

Focal Length Specification Wavelength (nm): 587.6

Focal Length Tolerance (%): ± 1

Technical Information

Products

Dia. (mm)	BFL (mm)	EFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	2.21	3.00	YAG-BBAR (500- 1100nm)	N-SF5	#89-205	£58.66 Volume Pricing	20+ In Stock
3.00	3.78	4.50	YAG-BBAR (500- 1100nm)	N-BK7	#89-206	£58.66 Volume Pricing	1 In Stock
3.00	5.37	6.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-207	£58.66 Volume Pricing	5 In Stock
3.00	8.46	9.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-208	£58.66 Volume Pricing	5 In Stock
4.50	3.7	4.50	YAG-BBAR (500- 1100nm)	N-LASF44	#89-209	£58.66 Volume Pricing	16 In Stock
4.50	8.16	9.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-210	£58.66 Volume Pricing	5 In Stock
5.00	4.19	5.00	YAG-BBAR (500- 1100nm)	N-SF5	#89-211	£47.28 Volume Pricing	8 In Stock
5.00	9.31	10.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-212	£47.28 Volume Pricing	12 In Stock
5.00	14.33	15.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-213	£47.28 Volume Pricing	14 In Stock
5.00	19.5	20.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-214	£47.28 Volume Pricing	Contact Us
5.00	24.5	25.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-215	£47.28 Volume Pricing	Contact Us
6.00	5.19	6.00	YAG-BBAR (500- 1100nm)	N-SF5	#89-216	£38.09 Volume Pricing	Contact Us

6.00	8.22	9.00	YAG-BBAR (500-1100nm)	N-BK7	#89-217	£38.09 Volume Pricing	8 In Stock
6.00	11.18	12.00	YAG-BBAR (500-1100nm)	N-BK7	#89-218	£38.09 Volume Pricing	3 In Stock
6.00	17.26	18.00	YAG-BBAR (500-1100nm)	N-BK7	#89-219	£38.09 Volume Pricing	6 In Stock
6.00	23.13	24.00	YAG-BBAR (500-1100nm)	N-BK7	#89-220	£38.09 Volume Pricing	14 In Stock
6.00	29.23	30.00	YAG-BBAR (500-1100nm)	N-BK7	#89-221	£38.09 Volume Pricing	6 In Stock
6.00	35.33	36.00	YAG-BBAR (500-1100nm)	N-BK7	#89-222	£38.09 Volume Pricing	4 In Stock
9.00	7.9	9.00	YAG-BBAR (500-1100nm)	N-SF5	#89-223	£38.95 Volume Pricing	11 In Stock
9.00	12.56	13.50	YAG-BBAR (500-1100nm)	N-BK7	#89-224	£38.95 Volume Pricing	5 In Stock
9.00	17.12	18.00	YAG-BBAR (500-1100nm)	N-BK7	#89-225	£38.95 Volume Pricing	2 In Stock
9.00	26.08	27.00	YAG-BBAR (500-1100nm)	N-BK7	#89-226	£38.95 Volume Pricing	20+ In Stock
9.00	35.15	36.00	YAG-BBAR (500-1100nm)	N-BK7	#89-227	£38.95 Volume Pricing	5 In Stock
9.00	44.17	45.00	YAG-BBAR (500-1100nm)	N-BK7	#89-228	£38.95 Volume Pricing	6 In Stock
10.00	8.89	10.00	YAG-BBAR (500-1100nm)	N-SF5	#89-229	£38.95 Volume Pricing	20+ In Stock
10.00	13.8	15.00	YAG-BBAR (500-1100nm)	N-BK7	#89-231	£38.95 Volume Pricing	1 In Stock

10.00	19.16	20.00	YAG-BBAR (500-1100nm)	N-BK7	#89-233	£38.95 Volume Pricing	5 In Stock
10.00	24.16	25.00	YAG-BBAR (500-1100nm)	N-BK7	#89-234	£38.95 Volume Pricing	3 In Stock
10.00	29.17	30.00	YAG-BBAR (500-1100nm)	N-BK7	#89-235	£38.95 Volume Pricing	20+ In Stock
10.00	39.16	40.00	YAG-BBAR (500-1100nm)	N-BK7	#89-236	£38.95 Volume Pricing	10 In Stock
10.00	49.17	50.00	YAG-BBAR (500-1100nm)	N-BK7	#89-237	£38.95 Volume Pricing	7 In Stock
10.00	99.17	100.00	YAG-BBAR (500-1100nm)	N-BK7	#89-238	£38.95 Volume Pricing	10 In Stock
12.00	10.79	12.00	YAG-BBAR (500-1100nm)	N-SF5	#89-239	£41.59 Volume Pricing	1 In Stock
12.00	16.81	18.00	YAG-BBAR (500-1100nm)	N-BK7	#89-240	£40.71 Volume Pricing	4 In Stock
12.00	22.65	24.00	YAG-BBAR (500-1100nm)	N-BK7	#34-194	£40.71 Volume Pricing	20+ In Stock
12.00	28.75	30.00	YAG-BBAR (500-1100nm)	N-BK7	#89-242	£40.71 Volume Pricing	1 In Stock
12.00	34.9	36.00	YAG-BBAR (500-1100nm)	N-BK7	#89-243	£40.71 Volume Pricing	2 In Stock
12.00	47.09	48.00	YAG-BBAR (500-1100nm)	N-BK7	#89-244	£40.71 Volume Pricing	3 In Stock
12.00	71.07	72.00	YAG-BBAR (500-1100nm)	N-BK7	#89-245	£40.71 Volume Pricing	7 In Stock
15.00	13.68	15.00	YAG-BBAR (500-1100nm)	N-SF11	#89-246	£41.59 Volume Pricing	16 In Stock

15.00	18.99	20.00	YAG-BBAR (500-1100nm)	N-SF11	#89-247	£40.71 Volume Pricing	1 In Stock
15.00	21.29	22.50	YAG-BBAR (500-1100nm)	N-SF11	#89-248	£40.71 Volume Pricing	4 In Stock
15.00	23.82	25.00	YAG-BBAR (500-1100nm)	N-BK7	#89-249	£40.71 Volume Pricing	7 In Stock
15.00	28.82	30.00	YAG-BBAR (500-1100nm)	N-BK7	#89-250	£40.71 Volume Pricing	Contact Us
15.00	44.00	45.00	YAG-BBAR (500-1100nm)	N-BK7	#89-251	£40.71 Volume Pricing	6 In Stock
15.00	49.00	50.00	YAG-BBAR (500-1100nm)	N-BK7	#89-252	£40.71 Volume Pricing	5 In Stock
15.00	59.00	60.00	YAG-BBAR (500-1100nm)	N-BK7	#89-253	£40.71 Volume Pricing	7 In Stock
18.00	16.69	18.00	YAG-BBAR (500-1100nm)	N-SF11	#89-254	£42.47 Volume Pricing	12 In Stock
18.00	25.25	27.00	YAG-BBAR (500-1100nm)	N-BK7	#89-255	£42.47 Volume Pricing	4 In Stock
18.00	34.59	36.00	YAG-BBAR (500-1100nm)	N-BK7	#89-256	£42.47 Volume Pricing	3 In Stock
20.00	18.55	20.00	YAG-BBAR (500-1100nm)	N-SF11	#89-257	£43.12 Volume Pricing	10 In Stock
20.00	23.86	25.00	YAG-BBAR (500-1100nm)	N-SF11	#89-258	£43.12 Volume Pricing	6 In Stock
20.00	28.2	30.00	YAG-BBAR (500-1100nm)	N-BK7	#89-259	£43.12 Volume Pricing	2 In Stock
20.00	38.44	40.00	YAG-BBAR (500-1100nm)	N-BK7	#89-260	£43.12 Volume Pricing	Contact Us

20.00	48.84	50.00	YAG-BBAR (500-1100nm)	N-BK7	#89-261	£43.12 Volume Pricing	Contact Us
20.00	58.67	60.00	YAG-BBAR (500-1100nm)	N-BK7	#89-262	£43.12 Volume Pricing	3 In Stock
20.00	78.67	80.00	YAG-BBAR (500-1100nm)	N-BK7	#89-263	£43.12 Volume Pricing	2 In Stock
25.00	22.47	25.00	YAG-BBAR (500-1100nm)	N-SF5	#89-264	£45.53 Volume Pricing	14 In Stock
25.00	28.31	30.00	YAG-BBAR (500-1100nm)	N-SF5	#89-265	£45.08 Volume Pricing	7 In Stock
25.00	32.81	35.00	YAG-BBAR (500-1100nm)	N-BK7	#89-266	£45.08 Volume Pricing	20+ In Stock
25.00	38.21	40.00	YAG-BBAR (500-1100nm)	N-BK7	#89-267	£45.08 Volume Pricing	6 In Stock
25.00	48.29	50.00	YAG-BBAR (500-1100nm)	N-BK7	#89-268	£45.08 Volume Pricing	5 In Stock
25.00	73.84	75.00	YAG-BBAR (500-1100nm)	N-BK7	#89-269	£45.08 Volume Pricing	17 In Stock
25.00	98.95	100.00	YAG-BBAR (500-1100nm)	N-BK7	#89-270	£45.08 Volume Pricing	3 In Stock
25.00	123.84	125.00	YAG-BBAR (500-1100nm)	N-BK7	#89-271	£45.08 Volume Pricing	11 In Stock
25.00	148.88	150.00	YAG-BBAR (500-1100nm)	N-BK7	#89-272	£45.08 Volume Pricing	11 In Stock
25.00	173.94	175.00	YAG-BBAR (500-1100nm)	N-BK7	#89-273	£45.08 Volume Pricing	2 In Stock
25.00	198.35	200.00	YAG-BBAR (500-1100nm)	N-BK7	#34-195	£45.08 Volume Pricing	1 In Stock

30.00	28.12	30.00	YAG-BBAR (500-1100nm)	N-SF11	#89-276	£53.41 Volume Pricing	11 In Stock
30.00	47.82	50.00	YAG-BBAR (500-1100nm)	N-BK7	#89-277	£52.53 Volume Pricing	4 In Stock
30.00	58.33	60.00	YAG-BBAR (500-1100nm)	N-BK7	#89-278	£52.53 Volume Pricing	10 In Stock
30.00	73.35	75.00	YAG-BBAR (500-1100nm)	N-BK7	#89-279	£52.53 Volume Pricing	5 In Stock
30.00	98.34	100.00	YAG-BBAR (500-1100nm)	N-BK7	#89-280	£52.53 Volume Pricing	5 In Stock
30.00	118.34	120.00	YAG-BBAR (500-1100nm)	N-BK7	#89-281	£52.53 Volume Pricing	5 In Stock
40.00	37.54	40.00	YAG-BBAR (500-1100nm)	N-SF11	#89-282	£63.04 Volume Pricing	6 In Stock
40.00	57.1	60.00	YAG-BBAR (500-1100nm)	N-BK7	#89-283	£63.04 Volume Pricing	Contact Us
40.00	77.32	80.00	YAG-BBAR (500-1100nm)	N-BK7	#34-196	£63.04 Volume Pricing	2 In Stock
40.00	97.33	100.00	YAG-BBAR (500-1100nm)	N-BK7	#34-197	£63.04 Volume Pricing	3 In Stock
40.00	117.67	120.00	YAG-BBAR (500-1100nm)	N-BK7	#89-286	£63.04 Volume Pricing	9 In Stock
40.00	197.35	200.00	YAG-BBAR (500-1100nm)	N-BK7	#34-198	£63.04 Volume Pricing	2 In Stock
50.00	45.3	50.00	YAG-BBAR (500-1100nm)	N-SF11	#89-289	£65.22 Volume Pricing	12 In Stock
50.00	96.65	100.00	YAG-BBAR (500-1100nm)	N-BK7	#89-290	£65.22 Volume Pricing	6 In Stock

50.00	147.00	150.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-291	£65.22 Volume Pricing	11 In Stock
50.00	198.33	200.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-292	£65.22 Volume Pricing	8 In Stock
50.00	248.37	250.00	YAG-BBAR (500- 1100nm)	N-BK7	#89-293	£65.22 Volume Pricing	15 In Stock



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