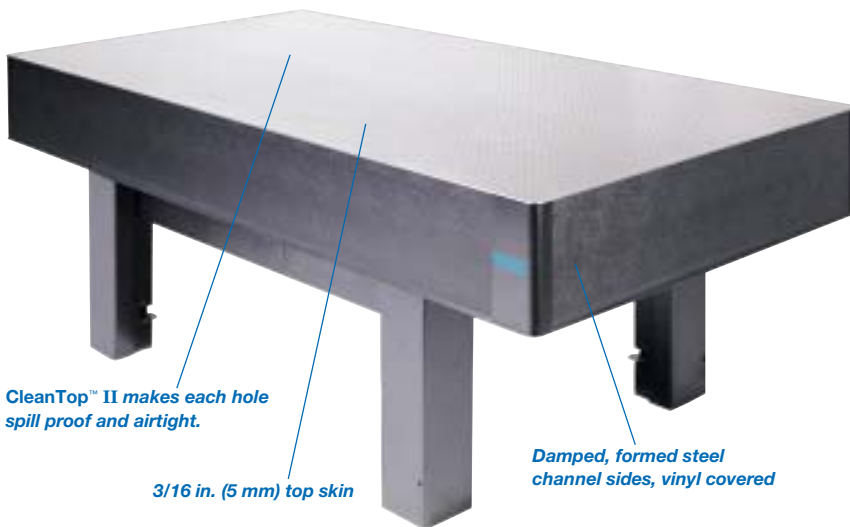


## 780 SERIES

# CleanTop™ II Optical Tops



Our spill-proof CleanTop™ II Optical Tops are the industry standard. They are available in a full range of sizes and three damping levels.

CleanTop II meets or exceeds all current industry standards for structural stiffness and damping.

The CleanTop II is recommended for the majority of optical table applications.

## Features

- Patented CleanTop II individual nylon cups under each tapped hole are airtight.
- Three damping levels available.

## GENERAL SPECIFICATIONS

- Core:** Steel honeycomb, closed-cell, 0.010 in. thick foil
- Core shear modulus:** 275,000 psi
- Core cell size:** <0.5 in.<sup>2</sup>
- Core density:** 13.3 lb/ft<sup>3</sup> (230 kg/m<sup>3</sup>)
- Flatness:** ± 0.005 in. (0.13 mm)
- Top skin:** 430 series ferromagnetic stainless steel, 3/16 in. thick (5 mm)
- Compliance, resonant frequency, stiffness:** See charts on page 15
- Sidewalls:** Damped, formed steel channel, vinyl covered
- Tapped holes:** Backed by 1 in. (25 mm) long CleanTop II nylon cups

## How to Order

1. Choose prefix from chart indicating desired damping level.
2. Choose basic part number for the required size from size chart.
3. Assign suffix indicating hole pattern required.

Model Number Example		
Prefix	Basic	Suffix
784	— 455	— 02R
Series	Size	Hole Pattern
CleanTop™ II maximum damping 3/16" top skin	4' x 8' x 8"	1/4-20 holes on 1" centers No laser port Radius corners

## Prefix Chart

Damping Level	Prefix
Maximum dry damping	784
Standard dry damping	783
Nominal dry damping	781

## Suffix Chart

### Hole Patterns/Laser Ports

Suffix	Hole Pattern-Threads	Double Density	Laser Port
00R	No Holes	no	no
01R	1" centers - 1/4-20	no	yes
02R	1" centers - 1/4-20	no	no
11R	25 mm centers - M6	no	yes
12R	25 mm centers - M6	no	no
01DR	1" staggered centers - 1/4-20	yes	yes
02DR	1" staggered centers - 1/4-20	yes	no
11DR	25 mm staggered centers - M6	yes	yes
12DR	25 mm staggered centers - M6	yes	no

## Size Chart — Basic Part Number

Surface Dimensions			8 in. Thick Tops (200 mm)	12 in. Thick Tops (300 mm)	18 in. Thick Tops (450 mm)	24 in. Thick Tops (600 mm)
in.	ft	m				
30 x 60		0.75 x 1.5	784 - 432	784 - 632		
30 x 72		0.75 x 1.8	784 - 491	784 - 691		
30 x 96		0.75 x 2.4	784 - 492	784 - 692		
30 x 120		0.75 x 3.0	784 - 493	784 - 693		
36 x 60	3 x 5	0.9 x 1.5	784 - 436	784 - 636		
36 x 72	3 x 6	0.9 x 1.8	784 - 439	784 - 639		
36 x 96	3 x 8	0.9 x 2.4	784 - 440	784 - 640	784 - 740	784 - 840
36 x 120	3 x 10	0.9 x 3.0	784 - 494	784 - 694	784 - 794	784 - 894
40 x 60		1.0 x 1.5	784 - 443	784 - 643		
40 x 80		1.0 x 2.0	784 - 444	784 - 644	784 - 744	784 - 844
40 x 120		1.0 x 3.0	784 - 445	784 - 645	784 - 745	784 - 845
48 x 48	4 x 4	1.2 x 1.2	784 - 447	784 - 647		
48 x 60	4 x 5	1.2 x 1.5	784 - 449	784 - 649		
48 x 72	4 x 6	1.2 x 1.8	784 - 451	784 - 651	784 - 751	784 - 851
48 x 96	4 x 8	1.2 x 2.4	784 - 455	784 - 655	784 - 755	784 - 855
48 x 120	4 x 10	1.2 x 3.0	784 - 459	784 - 659	784 - 759	784 - 859
48 x 144	4 x 12	1.2 x 3.6	784 - 463	784 - 663	784 - 763	784 - 863
48 x 168	4 x 14	1.2 x 4.2	784 - 465	784 - 665	784 - 765	784 - 865
48 x 192	4 x 16	1.2 x 4.8	784 - 467	784 - 667	784 - 767	784 - 867
59 x 60	5 x 5	1.5 x 1.5	784 - 470	784 - 670	784 - 770	784 - 870
59 x 72	5 x 6	1.5 x 1.8	784 - 471	784 - 671	784 - 771	784 - 871
59 x 80		1.5 x 2.0	784 - 472	784 - 672	784 - 772	784 - 872
59 x 96	5 x 8	1.5 x 2.4	784 - 473	784 - 673	784 - 773	784 - 873
59 x 120	5 x 10	1.5 x 3.0	784 - 475	784 - 675	784 - 775	784 - 875
59 x 144	5 x 12	1.5 x 3.6	784 - 476	784 - 676	784 - 776	784 - 876
59 x 168	5 x 14	1.5 x 4.2	784 - 477	784 - 677	784 - 777	784 - 877
59 x 192	5 x 16	1.5 x 4.8	784 - 478	784 - 678	784 - 778	784 - 878
Weight Factor (WF) (approx.); Area x WF = Total Weight			0.225 lb/in. <sup>2</sup> (0.016 kg/cm <sup>2</sup> )	0.265 lb/in. <sup>2</sup> (0.019 kg/cm <sup>2</sup> )	0.420 lb/in. <sup>2</sup> (0.030 kg/cm <sup>2</sup> )	0.475 lb/in. <sup>2</sup> (0.033 kg/cm <sup>2</sup> )