



## PRODUCT AVAILABILITY

Harvel offers quality-machining shapes in a wide variety of sizes and configurations to suit most application requirements. The following charts refer to standard stocking items. Other specialty materials such as static dissipative PVC, custom colors, additional sizes and special lengths are available upon request. Contact factory for details.

### Solid Round Bar

Harvel's quality line of solid bar provides optimum machine stock for everything from thumbscrews to valve components and other items requiring complicated machining techniques.

Size (in.)	O.D	Tol. -0; +	Camber & Bow	Material (Weight Lbs./ft.)				
				Gray PVC	White PVC	Black PVC	CPVC	Clear
1/4	.250	.008	N/A	.029	.029	.029	.032	.029
3/8	.375	.015	N/A	.066	.066	.066	.074	.066
1/2	.500	.015	1-1/2	.117	.117	.117	.131	.117
5/8	.625	.020	1-1/2	.183	.183	.183	-	.183
3/4	.750	.022	1-1/2	.265	.265	.265	.296	.265
7/8	.875	.025	1-1/2	.358	.358	.358	-	.358
1	1.000	.030	1-1/2	.471	.471	.471	.526	.471
1-1/8	1.125	.035	1-1/4	.594	.594	.594	-	-
1-1/4	1.250	.035	1-1/4	.736	.736	.736	.821	-
1-3/8	1.375	.040	1-1/4	.891	.891	.891	.994	-
1-1/2	1.500	.040	1-1/4	1.060	1.060	1.060	1.183	-
1-5/8	1.625	.045	1-1/4	1.244	1.244	1.244	-	-
1-3/4	1.750	.050	1	1.440	1.440	1.440	1.618	-
1-7/8	1.875	.055	1	1.657	1.657	1.657	-	-
2	2.000	.060	1	1.890	1.890	1.890	2.109	-
2-1/8	2.125	.060	1/2	2.128	-	-	-	-
2-1/4	2.250	.068	1/2	2.384	-	-	-	-
2-3/8	2.375	.071	1/2	2.658	-	-	-	-
2-1/2	2.500	.075	1/2	2.950	-	-	3.375	-
2-3/4	2.750	.080	1/2	3.560	-	-	-	-
3	3.000	.090	1/4	4.240	-	-	4.595	-
3-1/4	3.250	.100	1/4	4.975	-	-	-	-
3-1/2	3.500	.105	1/4	5.770	-	-	6.439	-
4	4.000	.120	1/4	7.550	-	-	8.460	-
4-1/2	4.500	.135	1/4	9.555	-	-	-	-
5	5.000	.150	1/4	11.700	-	-	13.950	-
5-1/2	5.500	.165	1/4	14.300	-	-	-	-
6	6.000	.180	1/4	17.100	-	-	20.395	-
7	7.000	.210	1/8	24.010	-	-	-	-
8	8.000	.240	1/8	31.360	-	-	-	-
9	9.000	.270	1/8	39.690	-	-	-	-
10	10.000	.300	1/8	49.000	-	-	-	-
11	11.000	.330	1/16	59.290	-	-	-	-
12	12.000	.360	1/16	74.000	-	-	-	-

### Hollow Bar

Substituting hollow bar for solid round can result in considerable savings where parts are bored. Only an internal finish cut is required, as close tolerances on OD dimensions are maintained.

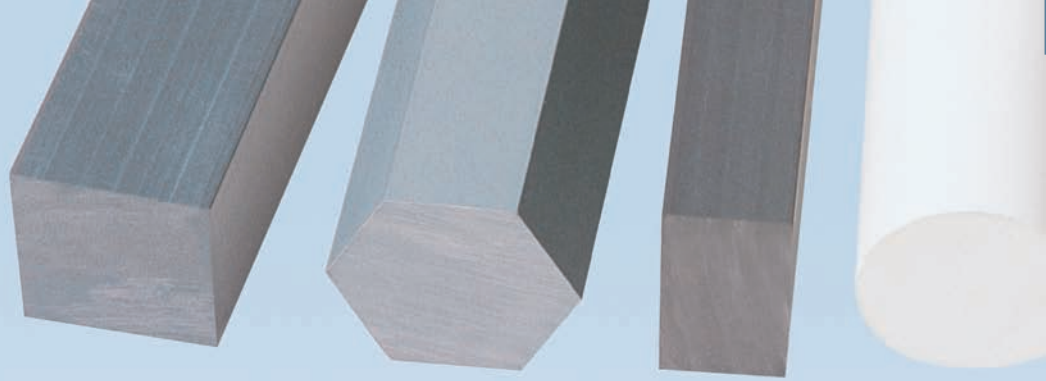
O.D. Minimum (in.)	I.D. Maximum (in.)	Material (Weight Lbs./ft.)	
		PVC	CPVC
1.625	0.562	1.154	1.288
1.900	0.562	1.647	-
1.900	0.906	1.410	-
2.000	1.250	1.285	-
2.125	0.750	2.010	2.243
2.250	1.125	2.025	2.260
2.250	1.500	1.625	-
2.375	1.000	2.393	2.671
2.500	1.000	2.680	-
2.500	1.500	2.209	-
2.625	1.500	2.511	2.802
2.750	1.000	3.299	3.682
2.875	1.500	-	3.525
3.000	1.000	3.976	-
3.000	1.250	3.770	4.207
3.000	1.500	3.375	-
3.000	2.000	2.798	-
3.250	1.250	4.506	-
3.500	1.500	5.037	-
3.563	1.500	5.245	5.853
4.000	2.500	5.153	5.751
4.000	3.000	3.845	-
4.250	1.750	7.452	8.316
4.250	3.000	4.948	-
4.500	2.000	8.099	-
4.750	3.000	7.069	7.889
5.000	3.000	8.217	9.170
5.563	4.000	7.954	-
6.000	2.437	15.200	-
6.000	4.000	11.190	-
6.625	2.875	18.030	20.121
6.625	4.000	14.910	16.640
8.625	5.750	21.400	-

1/4" thru 2" stocked in 10 ft lengths; 2 1/8" thru 5 1/2" stocked in 5 ft and 10 ft lengths; 6" thru 10" stocked in 5 ft lengths; 11" and 12" stocked in 1 ft and 2 ft lengths. Tolerance on lengths = ±1".

**Camber** (straightness) tolerances shown apply as follows: 1/2" thru 2" diameter rod per 10 ft length; 2 1/8" thru 10" diameter rod per 5 ft length; 11" thru 12" diameter rod per 2 ft length.

OD dimension shown is minimum. ID dimension shown is maximum. 1.625" x .562" thru 5" x 3" stocked in 10 ft lengths ± 1". 5.563" x 4.000" thru 8.625" x 5.750" stocked in 5 ft lengths ± 1".

**Note:** Centerless ground PVC & CPVC solid bar available 1/4" thru 2 1/2" diameters. OD tolerance on all centerless ground bar ± .003".



## ADDITIONAL PROFILES

Additional quality profiles include Hex, Square, and Rectagonal shapes for use in component fabrication. Items such as nuts, bolts, washers and spacers can be readily machined from these items to provide durable corrosion-resistant components. Emphasis is placed on providing extrusions with minimal sink and smooth surfaces for dimensional consistency and easy reproduction of machined components.

### Hexagonal Bar

Size (in.)	Tol. Across Flats (in.)	Material (Weight Lbs./ft.)		
		Gray PVC	CPVC	Clear
7/16	±.030	.108	.121	—
1/2	±.030	.142	.159	—
9/16	±.030	.180	.202	—
5/8	±.030	.222	.249	—
3/4	±.030	.320	.359	—
13/16	±.030	.375	.421	—
7/8	±.030	.435	.489	—
1	±.030	.569	.639	—
1-1/8	±.030	.721	.810	—
1-1/4	+0.0625 - 0	.890	.999	—
1-3/8	+0.0625 - 0	1.080	1.213	—
1-1/2	+0.0625 - 0	1.283	1.441	—
1-3/4	+0.0625 - 0	1.746	—	—
2	+0.0125 - 0	2.280	2.560	—

All sizes stocked in 10 ft lengths ± 1".

### Rectangular Bar

Size (in.)	Tol. Across Flats (in.)	Material (Weight Lbs./ft.)		
		Gray PVC	CPVC	Clear
1/2 x 3/4	1/2" flats ± .020 3/4" flats ± .030	.225	—	—

All sizes stocked in 10 ft lengths ± 1".

### Angle

Size (in.)	Material (Weight Lbs./ft.)			
	Gray PVC	White PVC	CPVC	Clear
1" x 1" x 1/8"	.141	.141	.180	.141
1-1/4" x 1-1/4" x 3/16"	.262	.262	.325	.262
1-1/2" x 1-1/2" x 3/16"	.316	.316	.395	.316
1-1/2" x 1-1/2" x 1/4"	.415	—	—	.415
2" x 2" x 1/4"	.563	.563	.645	.563

All sizes stocked in 10 ft lengths ± 1".

### Square Bar

Size (in.)	Tol. Across Flats (in.)	Material (Weight Lbs./ft.)		
		Gray PVC	CPVC	Clear
1/2	±.030	.157	—	—
5/8	±.030	.238	—	—
3/4	±.030	.360	—	—
1	±.030	.629	—	—
1-1/4	±.0625	1.033	—	—
1-1/2	±.0625	1.464	—	—
2	+0.075 - .020	2.452	—	—

1/2" thru 1" stocked in 10 ft lengths ± 1".

1 1/4" thru 2" stocked in 8 ft lengths ± 1".



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