

Shaft Supports –Cast–

The precision Cast Shaft Supports are made from steel, stainless steel or aluminum, and are post-process machined on the bores to provide high precision tolerances.



General Tolerance
Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	+0.01
5.001	16.000	+0.02
16.001	60.000	+0.05

Ⓜ Thread or hole location tolerance: ±0.005" non-cumulative.

Material	Surface Treatment	Included Hardware & Material	Type
1045 Steel	Black Oxide	Steel S.H.C.S. (1 Piece)	U-SHFT
Aluminum Casting Alloy 514.0	Clear Anodizing	Stainless Steel S.H.C.S. (1 Piece)	U-SHF
304 Stainless Steel	-		U-SHFSS

Ⓜ Material Characteristics P.628, 629

Ⓜ Surface Roughness: Unless otherwise specified 100

Type	Part No.				\$ Unit Price (Qty. 1-9)		
	Callout	Nominal	Tolerance		U-SHFT	U-SHF	U-SHFSS
U-SHFT U-SHF U-SHFSS	0.38	3/8	0.3756	0.3750	11.00	11.10	16.50
	0.50	1/2	0.5007	0.5000	11.00	11.10	16.50
	0.63	5/8	0.6257	0.6250	11.20	11.50	17.00
	0.75	3/4	0.7508	0.7500	12.00	12.50	18.50
	1.00	1"	1.0008	1.0000	14.10	14.40	21.50
	1.50	1-1/2	1.5010	1.5000	-	21.40	-

Order Example

Part No.

Type D

U-SHFT 0.38

Technical Information

D	L	T	t	H	A	L1	d		d1	D1	t1	B	C	h	Included Bolt Size
							Dia.	Compatible Bolt							
0.38	1.69	0.39	0.20	0.94	0.79	1.250	0.180	#8	0.35	0.47	0.06	0.71	0.08	0.374	#8-32
0.50	1.85	0.51	0.28	1.10	0.98	1.438	0.206	#10	0.35	0.63	0.06	0.71	0.10	0.433	#8-32
0.63	1.97	0.63	0.31	1.22	1.10	1.563	0.206	#10	0.35	0.79	0.08	0.71	0.10	0.492	#8-32
0.75	2.36	0.79	0.31	1.46	1.34	1.875	0.281	1/4	0.39	0.94	0.08	0.87	0.10	0.591	#10-32
1.00	2.76	0.98	0.39	1.65	1.57	2.188	0.281	1/4	0.39	1.18	0.08	0.87	0.10	0.669	#10-32
1.50	4.02	1.57	0.63	2.64	2.20	3.125	0.406	3/8	0.71	1.77	0.12	0.87	0.10	1.181	3/8-16

Days to Ship 1 Day

Price

Quantity	1-9	10-19	20-49	50-
Rate	—	2%	3%	5%

Ⓜ For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

Related Components

Linear Shafts P.39

Linear Bushings P.77

Shaft Supports –Base Mount–

The Base Mount Shaft Supports are suitable for applications requiring free-standing linear shaft installations. Various mounting options are available to choose from.



General Tolerance
Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	+0.01
5.001	16.000	+0.02
16.001	60.000	+0.05

Ⓜ Thread or hole location tolerance: ±0.005" non-cumulative.

Material	Surface Treatment	Included Hardware & Material	Type
1045 Steel	Electroless Nickel Plating	Stainless Steel S.H.C.S. (1 Piece)	U-SHSTM
304 Stainless Steel	-		U-SHSTS
6061-T6 Aluminum	Clear Anodizing		U-SHSTA

Ⓜ Material Characteristics P.628, 629

Ⓜ Surface Roughness: Unless otherwise specified 100

Ⓜ The slit is manufactured after the hole D is bored at indicated tolerance. The tolerance may vary slightly depending on the machining condition.

Type	Part No.				H Selection (Callout)						\$ Unit Price (Qty. 1-4)				
	Callout	Nominal	Tolerance		1/2	3/4	1"	1-1/4	1-1/2	1-3/4	2"	2-1/2	U-SHSTM	U-SHSTS	U-SHSTA
U-SHSTM U-SHSTS U-SHSTA	0.25	1/4	0.2506	0.2500	0.50	0.75							12.60	26.00	12.20
	0.38	3/8	0.3756	0.3750	0.75	1.00							13.50	35.80	13.50
	0.50	1/2	0.5007	0.5000	0.75	1.00							14.00	39.50	14.40
	0.63	5/8	0.6257	0.6250	1.00	1.25							16.20	43.00	16.20
	0.75	3/4	0.7508	0.7500	1.25	1.50							22.50	58.00	19.80
	1.00	1"	1.0008	1.0000	1.50	1.75							24.30	59.50	22.50
1.50	1-1/2	1.5010	1.5000			2.00	2.50					43.60	92.70	41.40	

Order Example

Part No. H

Type D

U-SHSTM 0.25 — H 0.75

Technical Information

Callout	H			D	L	H1	G	S	W	L1	d		E	T (Thread)		d2	d1	l	C
	Nominal	Actual	Dia.								Compatible Bolt	Size		Major Dia.					
0.50	1/2	0.500		0.25	1.00	0.391	0.250	0.16	0.41	0.688	0.141	#5	0.250	#4-40	0.112	0.125	0.219	0.125	0.059
0.75	3/4	0.750		0.38	1.25	0.516	0.375	0.25	0.56	0.938	0.180	#8	0.344	#6-32	0.138	0.154	0.281	0.154	0.079
1.00	1"	1.000		0.50	1.44	0.594	0.500	0.25	0.75	1.125	0.180	#8	0.391	#8-32	0.164	0.180	0.313	0.180	0.079
1.25	1-1/4	1.250		0.63	1.75	0.688	0.500	0.31	0.94	1.375	0.206	#10	0.438	#10-32	0.190	0.206	0.375	0.206	0.079
1.50	1-1/2	1.500		0.75	2.00	0.750	0.625	0.31	1.13	1.563	0.206	#10	0.531	#10-32	0.190	0.206	0.375	0.206	0.079
2.00	2"	2.000		1.00	2.50	1.000	0.625	0.38	1.50	2.000	0.281	1/4	0.719	1/4-20	0.250	0.281	0.438	0.281	0.079
2.50	2-1/2	2.500		1.50	3.38	1.375	0.750	0.50	2.13	2.750	0.344	5/16	1.063	5/16-18	0.313	0.344	0.531	0.344	0.118

Days to Ship 1 Day

Price

Quantity	1-4	5-19	20-49	50-
Rate	—	2%	3%	5%

Ⓜ For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

Express Options P.30

MISUMI www.misumiusa.com E-mail: inquire@misumiusa.com

TEL.1-847-843-9105 FAX.1-847-843-9107 TOLL FREE TEL.1-800-681-7475 TOLL FREE FAX.1-800-681-7402

Contents

How to Use the Catalog

Linear Motion

Linear Shafts

Bushings

Shaft Supports

Shaft Collars

Linear Guides

Rotary Motion

Rotary Shafts

Bearings w/ Housings

Pulleys Belts Couplings

Locating Components

Locating Pins & Bushings

Locating Components

General Components

Pivot Pins Floating Joints

Posts Device Stands Strut Clamps

Angle Plates Gaskets Welded Stands

Washers Collars

Manifolds

Urethanes Rubbers

Plates

Misc.

Technical Data

Business Information

Index