

# Shaft Supports (Flanged Mount)

Compact Standard / Compact Long Sleeve Type / With Keyway

Feature: O.D. (H dimension) is smaller than the previous type. Space saving design. Feature: O.D. (H dimension) is smaller than the previous type. Space saving design.

**Flanged Mount Type – Compact Standard Type**

Type		Material	Surface Treatment	Accessories
Standard	Long Sleeve			
<b>STHMRB</b>	<b>STHMRBL</b>	1045 Carbon Steel or Equivalent	Black Oxide	Hex Socket Head Cap Screw 1 pc.
<b>STHMR</b>	<b>STHMRL</b>		Electroless Nickel Plating	Hex Socket Head Cap Screw 1 pc. (Stainless Steel)
<b>SSTHMR</b>	<b>SSTHMRL</b>	304 Stainless Steel	—	—

**Compact Standard**

**Compact Long Sleeve**

Part Number	Type	D <sub>HT</sub>	L	L <sub>1</sub>	H	B	T	T <sub>1</sub>	P	d <sub>1</sub>	d <sub>2</sub>	S	X	Y	M	d	R	Part Number Example	Part Number																																									
																				STHMRB	STHMR	SSTHMR	STHMRBL	STHMRL	SSTHMRL																																			
Compact Standard	<b>STHMRB</b>	8	16	—	30	11	3.5	—	20	4.5	8	1.5	9.5	5	5	5.5	9	—	—	—																																								
	<b>STHMR</b>	10	—	34	4.5																12.5	25	5.5	9.5	1.5	10	6	5	5.5	9	—	—	—																											
	<b>SSTHMR</b>	12	25	36																														13	15.5	26	13.5	7	8	6	6	6.6	12	—	—															
		15	28	38																																										16	18	28	16	8	6	6	6.6	12	—	—				
Compact Long Sleeve (D12-30)	<b>STHMRBL</b>	16	—	30	14	6	—	—	—	6.6	11	2	13.5	7	6	6.6	12	—	—	—																																								
	<b>STHMRL</b>	20	34	49																	22	18	35	6.6	11	2	16	8	6	6.6	12	—	—	—																										
	<b>SSTHMR</b>	25	38	54																															19	22	40	6.6	11	2	19	8	6	6.6	12	—	—													
		30	40	59																																												22	24	45	6.6	11	2	22	8	6	6.6	12	—	—

### Outer Diameter Comparison Table

D (Inner Diameter)	Available Types					
	Compact Standard			Compact Long Sleeve		
	STHMRB	STHMR	SSTHMR	STHMRBL	STHMRL	SSTHMRL
8	•	•	•	•	•	•
10	•	•	•	•	•	•
12	•	•	•	•	•	•
15	•	•	•	•	•	•
16	•	•	•	•	•	•
20	•	•	•	•	•	•
25	•	•	•	•	•	•
30	•	•	•	•	•	•

  

D (Inner Diameter)	Outer Diameter (H)		
	Compact Ex. STHMR / STHMRL	Flanged Mount with Slit (P298) Ex. STHWR / STHWRL	Difference
8	30	39	-9
10	34	49	-15
12	36	52	-16
15	38	56	-18
16	39	56	-17
20	49	64	-15
25	54	69	-15
30	59	79	-20

Feature: Effective in preventing the shaft from rotating.

**Flanged Mount Type – With Keyway**

Round Flanged	Compact Flanged	Material	Surface Treatment
<b>STHRBNG</b>	<b>STHCBNG</b>		
<b>STHRNG</b>	<b>STHCNG</b>	Electroless Nickel Plating	

Part Number	Type	D <sub>HT</sub>	Sleeve Thickness (N)	L	D <sub>1</sub>	H	T	ℓ	M (Coarse Thread)	P	W	P <sub>1</sub>	F	d <sub>1</sub>	b	t	Tolerance	Tolerance	
																			STHRBNG
Round Flanged	<b>STHRBNG</b>	12	+0.018	5	24	22	40	6	15	M4	32	25	28	16	4.5	4	±0.015	1.8	+0.1
		16	0	6	32	28	50	6	19	M4	40	32	33	22	5.5	5	±0.015	2.3	0
		20	+0.021	7.5	32	35	63	8	20	M5	50	40	42	25	6.6	6	±0.018	2.8	+0.2
		25	0	38	40	68	8	23	M5	55	45	45	30	6.6	8	±0.018	3.3	0	
		30	0	45	45	73	10	24	M6	60	50	48	35	8	8	±0.018	3.3	0	

For details of "Hex Socket Set Screw Included (MB)", refer to Alterations on P.295

Part Number Example

Part Number

**STHRNG25**

Part Number Alterations

Part Number - (MB)

**STHRNG25 - MB**

**STHCNG30 - MB**

# Shaft Supports (Flanged Mount)

Back Mounted / Split Type

Feature: Effective in preventing the shaft from rotating.

**Flanged Mount Type – Back Mounted Type**

Round Flanged	Compact Flanged	Material	Surface Treatment
<b>STHXR</b>	<b>STHXC</b>		
<b>SSTHXR</b>	<b>SSTHXC</b>	304 Stainless Steel	Electroless Nickel Plating

**Round Flanged**

**Compact Flanged**

Part Number	Type	D <sub>HT</sub>	Sleeve Thickness (N)	L	D <sub>1</sub>	H	T	ℓ	ℓ <sub>1</sub>	E	P	W	P <sub>1</sub>	F	d	d <sub>1</sub>	d <sub>2</sub>	Mounting Screws	Available Types					
																			STHXR	STHXC	SSTHXR	STHXC	STHXC	SSTHXC
Round Flanged	<b>STHXR</b>	8	+0.015	2	16	12	28	5	4.5	8	8	20	16	20	3.5	8	4.5	M4	•	•	•	•	•	•
		10	0	2	20	14	30	5	5.5	10	10	22	18	22	—	9.5	5.5	M5	•	•	•	•	•	•
		12	+0.018	2.5	24	16	36	6	6.5	11	13	26	20	26	—	11	6.6	M6	•	•	•	•	•	•
		15	0	3	30	20	40	6	9	15	15	30	24	30	—	14	9	M8	•	•	•	•	•	•
		16	+0.021	3	32	22	42	8	11	16	16	32	26	28	16	14	9	M8	•	•	•	•	•	•
		20	0	4	38	28	50	8	11	18	20	39	32	31	22	18	11	M10	•	•	•	•	•	•
		25	+0.021	4	46	33	55	8	13	21	25	44	37	36	24	20	13	M12	•	•	•	•	•	•
		30	0	4	58	38	66	8	28	30	52	42	41	27	6.6	•	•	•	•	•	•	•	•	•
		40	+0.025	7	70	54	88	10	30	40	72	62	62	38	9	26	17	M16	•	•	•	•	•	•

Part Number Example

Part Number

**STHXR10**

Feature: Removable split sleeve makes maintenance easy.

**Flanged Mount Type – Split Type**

Round Flanged	Compact Flanged	Material	Surface Treatment	Accessories
<b>STHPR</b>	<b>STHPC</b>			
<b>SSTHPR</b>	<b>SSTHPC</b>	304 Stainless Steel	—	Hex Socket Head Cap Screw 2 pcs (Stainless Steel)

**D8-12**

**D16-30**

**Round Flanged**

**Compact Flanged**

Part Number	Type	D	Sleeve Thickness (N)	L	D <sub>1</sub>	H	T	B	P	W	P <sub>1</sub>	F	d	X	Y	d <sub>1</sub>	d <sub>2</sub>	M (Coarse)	Included Screw M x Length	Available Types						
																				STHPR	STHPC	SSTHPR	STHPC	STHPC	SSTHPC	
Round Flanged	<b>STHPR</b>	8	+0.015	8.5	19	25	39	5	12	32	27	25	20	3.5	7.5	3.5	7.5	4.6	M4	M4 x 10	•	•	•	•	•	•
		10	0	10	21	30	49	5	14	40	32	33	23	4.5	10	3	—	—	M5	M5 x 10	•	•	•	•	•	•
		12	+0.018	10	23	32	52	6	15	42	34	35	25	5.5	11	4	—	—	M5	M5 x 12	•	•	•	•	•	•
		16	0	9.5	32	35	56	6	24	46	37	37	27	5.5	12	5	9	5.6	M5	M5 x 12	•	•	•	•	•	•
		20	+0.021	10	34	40	64	8	24	52	42	43	30	6.6	14	6	—	—	M5	M5 x 16	•	•	•	•	•	•
		25	0	10	40	45	69	8	30	57	47	46	34	6.6	17	6	—	—	M5	M5 x 16	•	•	•	•	•	•
30	+0.025	12.5	42	55	79	10	30	67	57	50	45	6.6	20	10	12	6.6	M6	M6 x 20	•	•	•	•	•	•		

Part Number Example

Part Number

**STHPR10**