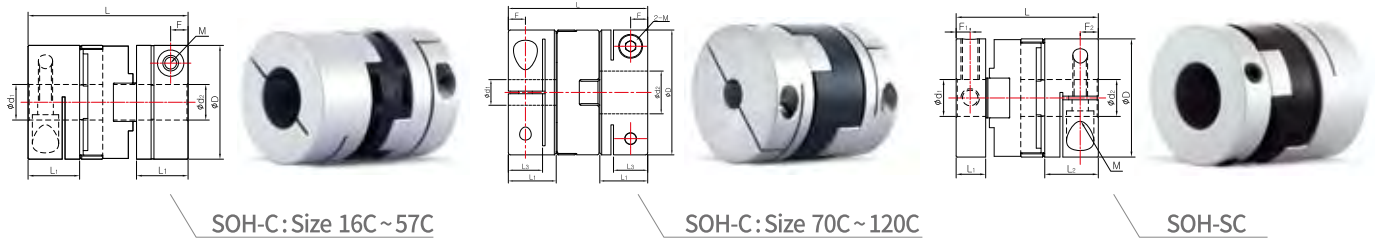


SOH SERIES

* قطعات موجود در انبار بقیه سایز ها به زودی

Oldham Coupling

Side-clamp



Dimensions / Performance

SOH-C

Model	Size ($\pm 0.3\text{mm}$)					Screw		Rated Torque (N·m)	Max. Torque (N·m)	Max. rpm (min^{-1})	Moment of Inertia ($\text{kg}\cdot\text{m}^2$)	Static Torsional Stiffness (N·m/rad)	Mass (g)	Permissible Misalignment			Side-clamp Hub Split (W)
	D	L	L ₁	L ₃	F	Size	Fastening Torque (N·m)							Angular (°)	Parallel (mm)	End-play (mm)	
* SOH-16C	16	23.9	7.7	-	2.7	M2.6	1	1	2	13,000	3.1×10^{-7}	65	8.5	1.5	1	0.1	X
* SOH-20C	20	25.7	8	-	2.8	M2.6	1	1.5	3	11,000	8.2×10^{-7}	120	14.2	1.5	1.5	0.1	X
* SOH-25C	25.5	32	10.2	-	3.5	M3	1.7	2.5	5	10,000	2.7×10^{-6}	200	29.3	1.5	2	0.1	X
* SOH-32C	32	44.7	14.4	-	4.9	M4	3.5	7	14	9,000	9.2×10^{-6}	620	59.6	1.5	2.5	0.15	X
* SOH-43C	43	52	16.5	-	5.8	M5	8	12.5	25	8,000	3.4×10^{-5}	1,200	127	1.5	3	0.15	X
* SOH-53C	53	58.3	19.5	-	6.3	M5	8	20	40	7,000	9.1×10^{-5}	1,400	217	1.5	3.2	0.2	X
SOH-57C	57	76.2	26.9	-	7.7	M6	13	34	68	6,000	1.6×10^{-4}	2,600	329	1.5	3.5	0.2	X
SOH-70C	73	81.5	28	20	10	M8	30	65	130	4,500	5.4×10^{-4}	5,000	670	1.5	3.5	0.3	○
SOH-90C	88	97	33.5	25	12	M10	50	105	210	4,500	1.2×10^{-3}	7,500	1,240	1.5	4	0.35	○
SOH-120C	118	138	40.5	26.5	13	M12	90	200	400	3,500	6.5×10^{-3}	14,000	2,600	1.5	4.5	0.4	○

- The Moment of Inertia and Mass values are based on products with max. Inner diameter.
- Please modify rated/max. torque value with temperature correction factor when it's higher than 30°C.
- Max. torque/rated torque is the value regarding to a coupling's self-durability and is not related to slip-torque between the coupling bore and the shaft.

SOH-SC (Combination)

Model	Size ($\pm 0.3\text{mm}$)						Screw		Rated Torque (N·m)	Max. Torque (N·m)	Max. rpm (min^{-1})	Moment of Inertia ($\text{kg}\cdot\text{m}^2$)	Static Torsional Stiffness (N·m/rad)	Mass (g)	Permissible Misalignment		
	D	L	L ₁	L ₂	F ₁	F ₂	Size	Fastening Torque (N·m)							Angular (°)	Parallel (mm)	End-play (mm)
SOH-16SC	16	20.9	4.7	7.7	2.2	2.7	M3/M2.6	0.7/1	1	2	13,000	2.9×10^{-7}	65	7.5	1.5	1	0.1
SOH-20SC	20	22.8	5.1	8	2.4	2.8	M4/M2.6	1.7/1	1.5	3	11,000	7.2×10^{-7}	120	12.6	1.5	1.5	0.1
SOH-25SC	25.5	28.7	6.9	10.2	3.1	3.5	M4/M3	1.7/1.7	2.5	5	10,000	2.6×10^{-6}	200	26	1.5	2	0.1
SOH-32SC	32	38.3	8	14.4	3.8	4.9	M5/M4	4/3.5	7	14	9,000	7.8×10^{-6}	620	50.3	1.5	2.5	0.2

- The Moment of Inertia and Mass values are based on products with max. Inner diameter.
- Please modify rated/max. torque value with temperature correction factor when it's higher than 30°C.
- Max. torque/rated torque is the value regarding to a coupling's self-durability and is not related to slip-torque between the coupling bore and the shaft.
- The values about Screw (size and fastening torque) are stated in left-to-right order. (S/C=Set-screw/Side-clamp)



SOH SERIES

* قطعات موجود در انبار بقیه سایز ها به زودی

Oldham Coupling

Standard Inner Diameter (ID)

Model	Standard Inner Diameter (d ₁ , d ₂) (mm)																													
	3	4	5	6	6.35	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	25.4	28	30	32	35	40	42	45	50	55
SOH-16□□	●	●	●	●																										
SOH-20□□		●	●	●	●	●																								
SOH-25□□			●	●	●	●	●	●	●																					
SOH-32□□				●	●	●	●	●	●	●	●	●	●																	
SOH-43□□						●	●	●	●	●	●	●	●	●	●	●														
SOH-53□□									●	●	●	●	●	●	●	●	●	●	●	●	●	●								
SOH-57□□													●	●	●	●	●	●	●	●	●	●	●							
SOH-70□□													●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
SOH-90□□													●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SOH-120□□																					●	●	●	●	●	●	●	●	●	●

- The recommended shaft tolerance is h7.
- Custom process (e.g. non-standard inner diameter, special tolerance etc.) is also available upon a special request in prior to order placement.
- Keyway is available. (Optional)

Slip Torque

- § The below table shows the actual permissible torque values when the slip torque value is lower than the coupling's max. torque value.
- § If the slip torque value is lower than the coupling's max. torque value, please check and compare between the slip torque in the below table and the operating torque value of the connected motor. It is safer to size up the coupling or use a key/keyway when the slip torque value is lower than the motor's operating torque.
- § The below slip torque values may be subject to change according to different testing conditions. (e.g. shaft tolerance, Surface roughness, or acceleration/deceleration of driving shafts). On the other hand, the values could be affected when a different kind of fastening screw is used (body material or surface treatment). Therefore, we recommend you test under the same conditions before mounting.

제품 번호	Max. Torque (N.m)	Slip Torque (N.m) by Inner Diameter (d ₁ , d ₂)																											
		3	4	5	6	6.35	8	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	35	40	42	45	50		
SOH-16C	2	0.5	1																										
SOH-20C	3		1	1.5	2																								
SOH-25C	5			2	3.5	3.9																							
SOH-32C	14				7	7.2																							
SOH-43C	25						15	15.7	18	18.2	21																		
SOH-53C	40								21	22.4	23.8	30																	
SOH-57C	68												42	46.2	49	51.8	56.7												
SOH-70C	130												60	65	85	90	100	120											
SOH-90C	210												40	50	65	80	85	88	90	95	110	130	170	180	190	200	210		
SOH-120C	400																			200	250	275	300	320	330	350	380		

