Hub-Shaft Connector

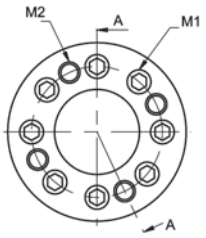
SMA MODEL

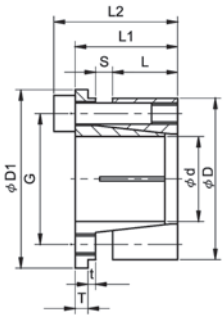
Specifications

Model	Rated torque [N · m]	Rated thrust [N]	Hub contact pressure [N/mm²]	Hub's minimum external dia. (S45C) [mm]	Tightening torque [N · m]	Moment of inertia [kg · m²]	Mass [kg]
SMA-20	216	21600	130	56	8.8	3.70×10^{-6}	0.144
SMA-22	255	22600	117	57	8.8	4.42×10^{-6}	0.165
SMA-24	363	29900	111	58	8.8	5.45×10^{-5}	0.180
SMA-25	392	31400	102	58	8.8	6.15×10^{-5}	0.188
SMA-28	441	31400	119	66	8.8	8.15×10^{-5}	0.195
SMA-30	500	33300	114	67	8.8	9.45×10^{-5}	0.208
SMA-32	530	33300	104	68	8.8	1.14×10^{-4}	0.219
SMA-35	883	47600	114	80	15.7	2.12×10^{-4}	0.325
SMA-38	1020	49400	132	89	15.7	2.62×10^{-4}	0.362
SMA-40	1079	50300	124	90	15.7	3.00×10^{-4}	0.380
SMA-42	1157	51500	120	91	15.7	3.32×10^{-4}	0.405
SMA-45	1285	56900	112	93	15.7	3.95×10^{-4}	0.435
SMA-48	1402	58400	129	103	15.7	4.75×10^{-4}	0.460
SMA-50	1705	68200	143	111	15.7	5.35×10^{-4}	0.485

※ The operating temperature range is - 40 ℃ to 150℃.

Dimensions





How to Place an Order SMA-20 (Size)

Model	d [mm]	D [mm]	D1 [mm]	G [mm]	L [mm]	L1 [mm]	L2 [mm]	T [mm]	t [mm]	S [mm]	M1	M2
SMA-20	20	38	42	30.8	15.3	24.1	29.1	3	1.8	4	8-M5×18	4-M5
SMA-22	22	40	44	32.8	15.3	24.1	29.1	3	1.8	4	8-M5×18	4-M5
SMA-24	24	42	46	34.8	16.3	25.1	30.1	3	1.8	4	8-M5×18	4-M5
SMA-25	25	43	47	35.8	17.3	26.1	31.1	3	1.8	4	8-M5×18	4-M5
SMA-28	28	46	50	38.8	17.3	26.6	31.6	3.5	1.8	4	10-M5×18	4-M5
SMA-30	30	48	52	40.8	17.3	26.6	31.6	3.5	1.8	4	10-M5×18	4-M5
SMA-32	32	50	54	42.8	18.3	27.6	32.6	3.5	1.8	4	10-M5×18	4-M5
SMA-35	35	57	62	48.4	19.5	30	36	4	2	4.5	8-M6×20	4-M6
SMA-38	38	60	65	51.4	20	30.5	36.5	4	2	4.5	10-M6×20	4-M6
SMA-40	40	62	67	53.4	20.5	31	37	4	2	4.5	10-M6×20	4-M6
SMA-42	42	64	69	55.4	20.5	31	37	4	2	4.5	10-M6×20	4-M6
SMA-45	45	67	72	58.4	21	31.5	37.5	4	2	4.5	10-M6×20	4-M6
SMA-48	48	70	75	61.4	21	32	38	4.5	2	4.5	12-M6×20	4-M6
SMA-50	50	72	77	63.4	21.5	32.5	38.5	4.5	2	4.5	14-M6×20	4-M6

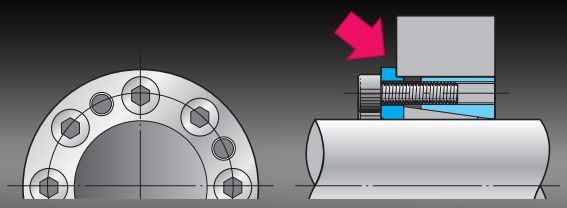
※ Mounting shaft tolerance is h7 class. ※ Mounting hub tolerance is H7 class

Hub-Shaft Connector

SMA & POSI LOCK

SMA MODEL

SMA models employs counter lock in inner ring and is good in centering.



SMA MODEL

POSI LOCK PSL-K MODEL

The sleeve's internal/external diameter ratio is small. The mounting part's diameter as well as the moment of inertia can be reduced. The mechanism is simple and high concentricity can be maintained.

PSL-K

PSL-K B Type

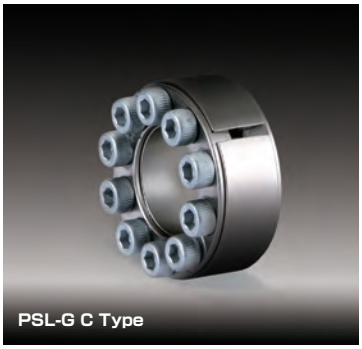
PSL-K C Type

PSL-K F Type

POSI LOCK PSL-G MODEL

A simple structure and rigid parts provide uniform transmission and can withstand heavy load. A short shaft direction length saves space.

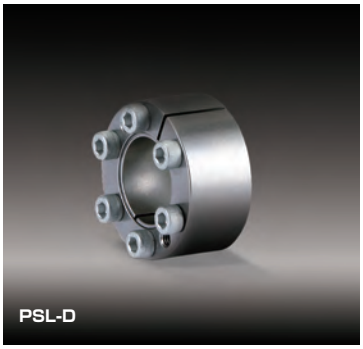
PSL-G



PSL-G C Type

POSI LOCK PSL-D MODEL

This is designed for a medium load. The contact pressure is small and the mounting diameter and mass can be reduced. A short shaft direction length saves space.



PSL-D

PSL-D C Type

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