

SA Series

# MODEL SA-III

available shanks 対応シャンク

HSK

BT

STT

ST

MT

JT

available functions 対応機能

compression 縮み

tension 伸び

depth control 寸寸

radial float 調芯

self-reverse 逆転

coolant クーラント

## ◎The best-seller of KATO TAPPERS

## ◎Thread depth controlled by KATO's unique mechanism

- Synchro error compensation on tension and compression
- The settings of tension/compression can be customized before shipment (cf. the bottom of this page).
- Model SA-III for right-hand threading is standard.
- Model SA-III for left-hand threading is also available.
- Model SA-III-OHC (with an internal coolant supply through the center of the spindle) is also available.
- Model SA-III-OHS (with an internal coolant supply through the side of the spindle) is also available.
- Quick-change of tap collets

### ◎「カトウタッパー」のベストセラー

### ◎ネジ深さ制限装置内蔵 (カトウ独自のメカニズム)

- 伸縮機構により同期誤差を吸収
- 使用条件によりばね力・伸縮量などの仕様変更が可能 (紙面下部参照)
- 右ネジ用が標準 (左ネジ用も製作可能)
- SA-III-OHC (センタースルークーラント) も製作可能
- SA-III-OHS (サイドスルークーラント) も製作可能
- タップコレットをすばやく交換!

combination chart 組み合わせ表

matching collets P18 推奨コレット P18

SA 206-III	TC 206-M
SA 412-III	TC 412-MO
SA 1022-III	TC 1022-MO
SA 2035-III	TC 2035-MO
SA 3050-III	TC 3050-MO
SA50100-III	TC50100-M

※TC collets also can be used.  
※TC型も使用できます。

## model BT-SA-III (BT shank : ISO 7388-2, JIS B 6339)

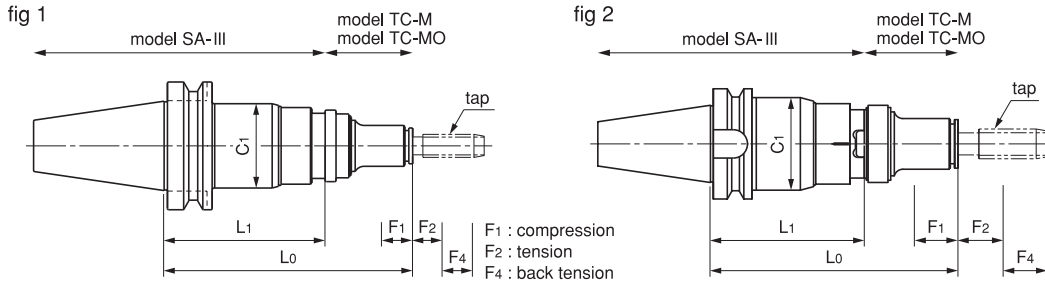


fig	model	L0	L1	C1	F1	F2	F4	capacity	weight (kg)
1	BT30-SA 206-III	120.0	88.0	33	5	3	7.0	M 2~M 8	0.64
	BT30-SA 412-III	150.0	106.5	48	7	5	8.5	M 3~M 16	1.14
	BT40-SA 206-III	120.0	88.0	33	5	3	7.0	M 2~M 8	1.20
	BT40-SA 412-III	150.0	106.5	48	7	5	8.5	M 3~M 16	1.68
	BT40-SA 1022-III	195.0	130.0	66	10	6	11.0	M 8~M 27	2.62
2	BT40-SA 2035-III	240.0	155.0	84	10	7	13.0	M18~M 38	3.91
	BT50-SA 206-III	150.0	118.0	33	5	3	7.0	M 2~M 8	3.98
1	BT50-SA 412-III	150.0	106.5	48	7	5	8.5	M 3~M 16	4.17
	BT50-SA 1022-III	195.0	130.0	66	10	6	11.0	M 8~M 27	5.01
	BT50-SA 2035-III	225.0	140.0	84	10	7	13.0	M18~M 38	5.83
2	BT50-SA 3050-III	285.5	185.0	104	15	8	14.0	M27~M 56	8.60
	BT50-SA50100-III	375.0	245.0	132	25	20	6.0	M50~M100	15.90

※F2 and F4 are referential values.  
※F2,F4量は参考値です。



BT50-SA1022-III  
+  
TC1022-MO

## Options : Change of Model SA-III/CAS Tension/Compression オプション:SA-III/CAS型伸縮装置の変更

The settings of tension/compression can be customized before shipment. 伸縮装置の縮み(F1)・伸び(F2)量の変更・ばね力の増減ができます。

### Change of F1, F2 (F1: compression, F2: tension) unit:mm

Options	Change of	SA206-III	SA412-III	SA1022-III	SA2035-III	SA3050-III	SA50100-III
type1	F1	F1=0					
type2	F1	F1=2		F1=3		F1=5	
type3	F2	F2=2		F2=3		F2=5	
type4	F1,F2	F1=0・F2=2		F1=0・F2=3		F1=0・F2=5	
type5	F1,F2	F1=2・F2=2		F1=2・F2=3		F1=3・F2=3	
		F1=5・F2=2		F1=5・F2=3		F1=5・F2=5	

### Change of spring constants of tension/compression

Options	Change of	SA206-III	SA412-III	SA1022-III	SA2035-III	SA3050-III	SA50100-III
type11	compression	—		+30%		—	
type13	compression	—		-30%		—	
type15	compression	—		-80%		—	
type20	tension	+50%		—		—	
type21	tension	—		+30%		—	
type23	tension	—		-30%		—	