

MODEL TC-M/TC-MO

◎TC-M/TC-MO 콜릿은 동기 머신 대상의 SA시리즈 탭퍼(RA-M/HA-M/HA-M-OHC/SA-III)에 공통의 탭 콜릿

- 탭의 신속한 교환 ● 4종류의 길이 선택 가능(32~168 mm)
- ※ 초경 탭은 파지력이 저하해 빠지기 쉬워집니다.
- 불충분한 나사 깊이를 방지하기 위해 토크 리미터가 장착되어 있지 않다.
- 탭 각부의 회전력에 의한 토크 변속
- 탭의 신속한 교환으로 원활한 톨 포지셔닝
- H₂, L₂, ℓ₁, D 치수는 P19를 참조하십시오.

◎TC-M/TC-MO collets can be combined with SA-series tappers (RA-M/HA-M/HA-M-OHC/SA-III) designed for synchro machine tools

- Quick-change of taps ● Available in 4 different lengths (32~168 mm)
- ※ Cemented carbide taps decrease clamping force and tend to pull out of the tap collet.
- No torque limiter is equipped to avoid insufficient thread depth ● Reliable torque transmission by driving the square portion of the tap
- Stable tool positioning on quick changing of taps ● Please refer to P19 about H₂, L₂, ℓ₁ and D measurements.

model	Function	coolant pressure
TC-M	내부쿨러 공급 미대응 without an internal coolant supply	
TC-MO	스핀들의 중앙으로부터 내부쿨러 공급 대응 with an internal coolant supply from the center of the spindle	up to 2 [MPa]
TC-MO-SB	탭 고정나사 부착(-SB 옵션)TC-MO TC-MO with a setscrew (-SB option) to clamp a tap more tightly	up to 5 [MPa]

※ISO/DIN/JIS 각 규격의 탭에 대응

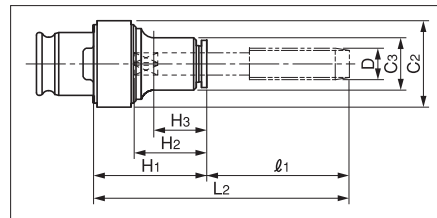
※OSG 동기 탭용도 제작 가능

※미스트 사양도 제작 가능

※TC-M/TC-MO collets for taps under ISO/DIN/JIS standards are available.

※TC-M/TC-MO collets for OSG's synchro taps are also available.

※TC-MO-MIST collets in mist specifications are also available.



unit:mm

model	tap size D			H1	H3	C2	C3	weight (kg)
	metric thread	unified thread	pipe thread					
TC 206-M	M 2 ~ M 8	U No.2 ~ U 5/16		32.0	20.0	21	15	0.07
TC 412-MO	M 3 ~ M 12	U No.5 ~ U 1/2	P 1/8	43.5	20.5	33	20	0.19
	M 14 ~ M 16	U 9/16 ~ U 5/8	P 1/4 ~ P 3/8	49.5	33.0	33	27	0.23
TC 1022-MO	M 8 ~ M 22	U 3/8 ~ U 7/8		65.0	38.0	50	32	0.61
	M 24 ~ M 27	U 1		68.0	42.5	50	36	0.65
			P 1/8	59.0	20.5	50	20	0.52
			P 1/4 ~ P 3/8	59.0	25.5	50	27	0.56
			P 1/2 ~ P 5/8	62.0	38.5	50	36	0.63
			P 3/4	65.0	42.0	50	40	0.68
TC 2035-MO	M 18 ~ M 36	U 3/4 ~ U 13/8		85.0	50.0	70	46	1.72
			P 3/8 ~ P 1	71.0	36.0	70	46	1.66
TC 3050-MO	M 27 ~ M 28	U 1 ~ U 1 1/8		85.0	47.0	87	64	3.42
	M 30 ~ M 52	U 1 1/4 ~ U 2		100.0	62.0	87	64	3.50
	M 56	U 2 1/4		105.0	69.5	87	68	3.57
TC 50100-M	M 50 ~ M 90	U 2 ~ U 3 1/2	P 3/4 ~ P 1 3/4	85.0	47.0	87	64	3.59
	M 100	U 4		130.0	81.0	116	86	7.99
TC 206-M L+30	M 2 ~ M 8	U No.2 ~ U 5/16		130.0	84.5	116	90	7.64
TC 206-M L+60	M 2 ~ M 8	U No.2 ~ U 5/16		113.0	64.0	116	86	7.64
TC 412-MO L+60	M 3 ~ M 8	U No.5 ~ U 5/16		62.0	50.0	21	15	0.08
	M 10 ~ M 12	U 3/8 ~ U 1/2	P 1/8	92.0	80.0	21	15	0.11
	M 14 ~ M 16	U 9/16 ~ U 5/8		103.5	75.0	33	16	0.24
TC 412-MO L+100	M 3 ~ M 8	U No.5 ~ U 5/16		103.5	80.0	33	20	0.26
	M 10 ~ M 12	U 3/8 ~ U 1/2	P 1/8	109.5	93.0	33	27	0.40
	M 14 ~ M 16	U 9/16 ~ U 5/8		109.5	93.0	33	27	0.40
			P 1/4 ~ P 3/8	143.5	115.0	33	16	0.26
TC 1022-MO L+60	M 3 ~ M 8	U No.5 ~ U 5/16		143.5	120.0	33	20	0.31
	M 10 ~ M 12	U 3/8 ~ U 1/2	P 1/8	149.5	133.0	33	27	0.53
	M 14 ~ M 16	U 9/16 ~ U 5/8		149.5	133.0	33	27	0.53
			P 1/4 ~ P 3/8	149.5	133.0	33	27	0.53
	M 8 ~ M 12	U 3/8 ~ U 1/2		125.0	86.5	50	20	0.70
	M 14 ~ M 16	U 9/16 ~ U 5/8		125.0	91.5	50	27	0.80
	M 18 ~ M 22	U 3/4 ~ U 7/8		125.0	98.0	50	32	0.85
TC 1022-MO L+100	M 24 ~ M 27	U 1		128.0	104.5	50	36	0.90
			P 1/8	119.0	80.5	50	20	0.62
			P 1/4 ~ P 3/8	119.0	85.5	50	27	0.76
			P 1/2 ~ P 5/8	122.0	98.5	50	36	0.86
			P 3/4	125.0	102.0	50	40	1.06
	M 8 ~ M 12	U 3/8 ~ U 1/2		165.0	126.5	50	20	0.85
	M 14 ~ M 16	U 9/16 ~ U 5/8		165.0	131.5	50	27	0.90
TC 1022-MO L+100	M 18 ~ M 22	U 3/4 ~ U 7/8		165.0	138.5	50	32	1.00
	M 24 ~ M 27	U 1		168.0	144.5	50	36	1.05
			P 1/8	159.0	120.5	50	20	0.66
			P 1/4 ~ P 3/8	159.0	125.5	50	27	0.86
			P 1/2 ~ P 5/8	162.0	138.5	50	36	1.03
TC 2035-MO L+60	M 18 ~ M 22	U 3/4 ~ U 7/8		165.0	142.0	50	40	1.28
	M 24 ~ M 27	U 1		145.0	97.0	70	32	1.45
	M 28 ~ M 36	U 1 1/8 ~ U 1 3/8		145.0	101.5	70	36	1.65
			P 3/8 ~ P 1	145.0	110.0	70	46	1.90
				131.0	96.0	70	46	2.30



TC412-MO



고정나사 setscrew

TC412-MO-SB

※TC2035 이상의 관용나사용 콜릿은 고정나사방식이 사용됩니다.

※-SB옵션인 경우에는 H₁, H₂, ℓ₁ 치수가 변하므로 주의하십시오.

※Thread collets for pipes (≥TC2035) are used in the setscrew manner.

※Please note that H₁, H₂ and ℓ₁ measurements vary in -SB option.