

Feed Fingers

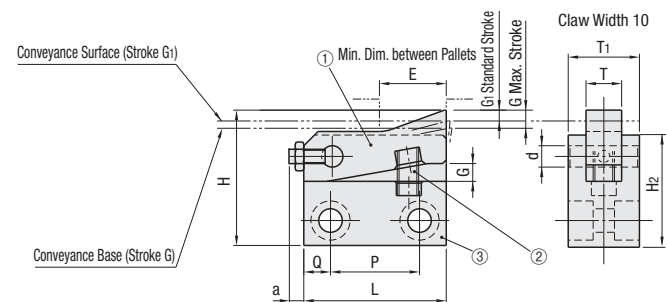
■ **Features:** The minimal 20.5mm height has been added to the lineup. Best for use in limited spaces.



① Claw				③ Main Body, Pin			
Type	Material	Surface Treatment	Hardness	Type	Main Body	Accessory (Pin)	
ATBM	EN 1.0038 Equiv.	Electroless Nickel Plating	Carburization (Depth 0.1) HV400 - 500	BL BH BT TP PI	EN 1.0038 Equiv. Electroless Nickel Plating	EN 1.1191 Equiv. Electroless Nickel Plating	
ATBS	EN 1.4301 Equiv.	-	-	BLS BHS BTS TPS	EN 1.4301 Equiv.	EN 1.4305 Equiv.	
ATBST	-	Tufride	Tufride (Depth 0.01) HV1000	■ Accessory: (For BH and BHS only)			
ATBJ	MC Nylon	-	-	① Claw	BH	BHS	
				14A, 14B	WSSM25-8-3x2 pcs.		
				10A, 10B	WSSM20-6-3x2 pcs.	WSSS20-6-3x2 pcs.	

● EN 1.4301 Equiv. Tufride is gray.
● EN 1.4301 Equiv. Tufride has lesser antitrust effect compared to EN 1.4301 Equiv.

■ ② Spring ■ Material: EN 1.4301 (WPB) Equiv.



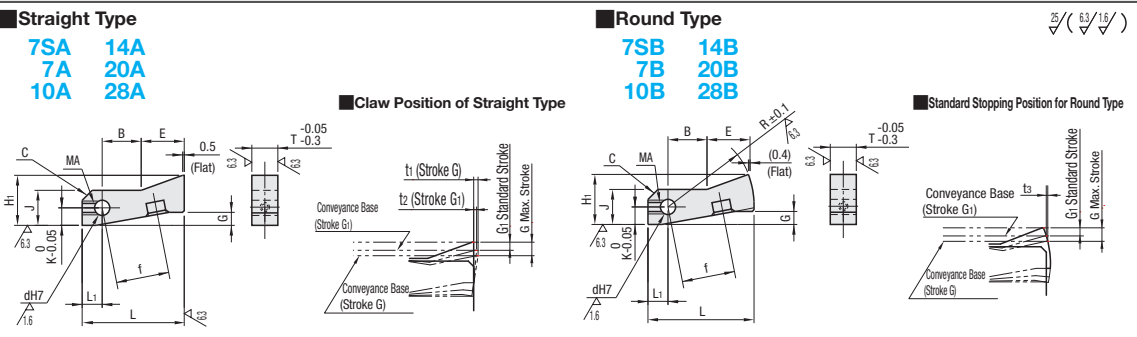
Feed Fingers are composed of ①Claw, ②Spring and ③Main Body. By selecting each type of components, the unit can be assembled before shipping.

①Claw	②Spring	③Main Body
ATBM 28A 28B 20A 20B	S H	BT PI
ATBS 14A 14B	S H	BL BH BT TP PI
ATBJ 7A 7B 7SA 7SB*1	S H	BLS BHS BTS TPS
ATBST 10A 10B	S H	BLS BHS BTS TPS

*1 "7SB" is available for ATBM only.

Part Number Type	①Claw	②Spring	③Main Body	T	T1	d	H	H2	L	P	Q	a	G	G1	Unit Price					
															ATBM	ATBJ	ATBS	ATBST		
ATBM (EN 1.0038 Equiv. + Electroless Nickel Plating) ATBJ (MC Nylon)	7SA 7SB	S	BL Side Mounting Type (Screw Hole)	7	12	6	29	22.5	30	20	5	2.5	5	3						
			TP Side Mounting Type (Tapped Hole)																	
	7A 7B	S	BL Side Mounting Type (Screw Hole)	7	12	6	38	31	40	25	7.5	2	5	3						
			TP Side Mounting Type (Tapped Hole)																	
ATBM (EN 1.0038 Equiv. + Electroless Nickel Plating) ATBS (EN 1.4301 Equiv.) ATBST (EN 1.4301 Equiv. + Tufride) ATBJ (MC Nylon)	10A 10B	S (Soft)	BL Side Mounting Type (Screw Hole)	10	19	6	38	31	40	25	7.5	2.5	5	3						
			BH Side Mounting Type (Through Hole)																	
			TP Side Mounting Type (Tapped Hole)																	
			BT Bottom Mount Type																	
	14A 14B	H (Hard)	BL Side Mounting Type (Screw Hole)	14	25	8	55.5	43	55	35	10	2.5	10	5						
			BH Side Mounting Type (Through Hole)																	
			TP Side Mounting Type (Tapped Hole)																	
			BT Bottom Mount Type																	
20A 20B 28A 28B	S	BL Side Mounting Type (Screw Hole)	20	38	10	63	49	65	40	12.5	4.5	10	5							
		BH Side Mounting Type (Through Hole)																		
		TP Side Mounting Type (Tapped Hole)																		
		BT Bottom Mount Type																		

Dimension Details ①Claw

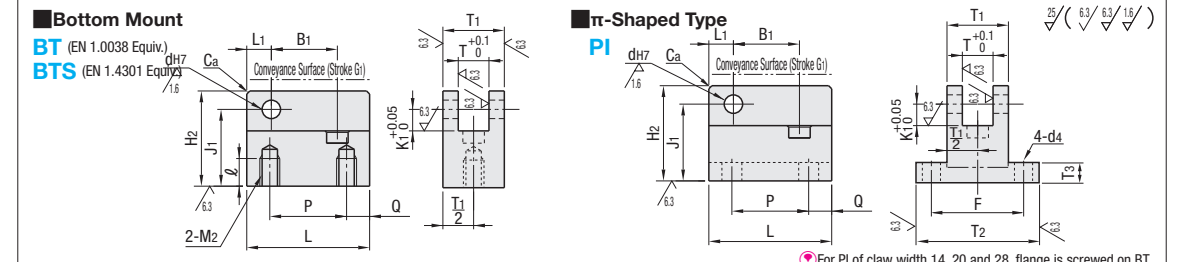
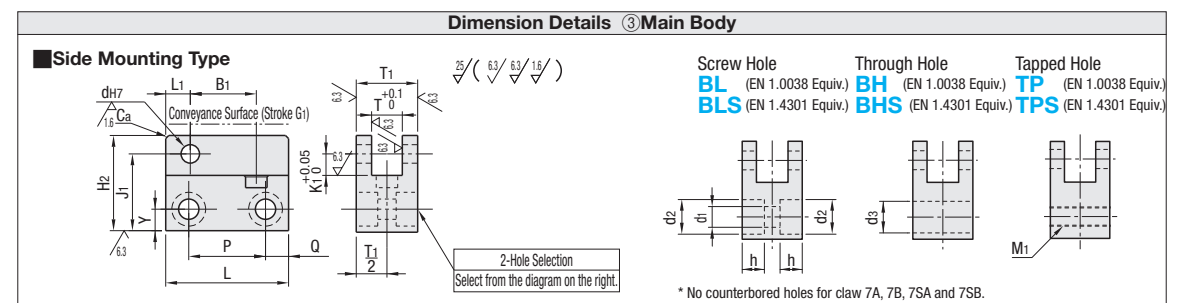
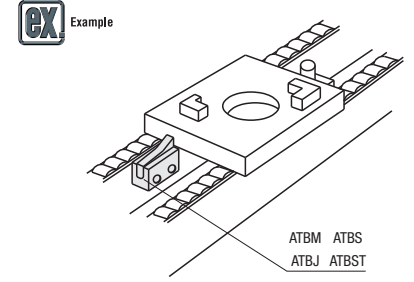


Type	T	L	Round Claw	L1	B	G	Straight Claw	Round Claw	R	H1	J	K	MA	d	f	C	t1	t2	t3
ATBM ATBS ATBST ATBJ	7SA 7SB	7	30	31.5	7.5	7.5	15	13.9	24	16	10	5	M3*	6	15.7	3	1.8	1.2	0.7
	7A 7B	7	40	41.5	8	15	17	15.9	33.5	20	14	7	M4*	6	21	4	1.6	1	0.5
	10A 10B	10	55	57	10	12.4	10	32.6	30	47	30.5	19	M4*	8	35.8	5	3.3	2	0.8
	14A 14B	14	65	66.5	12.5	18.5	11	34	30.4	54	33	21	M5	10	40	7	3.4	2	1.5
	20A 20B	20	80	82.5	15	30	13	35	30.5	67.5	45	30	M6	12	50	9	4.5	2.8	1.8
	28A 28B	28	80	82.5	15	30	13	35	30.5	67.5	45	30	M6	12	50	9	4.5	2.8	1.8

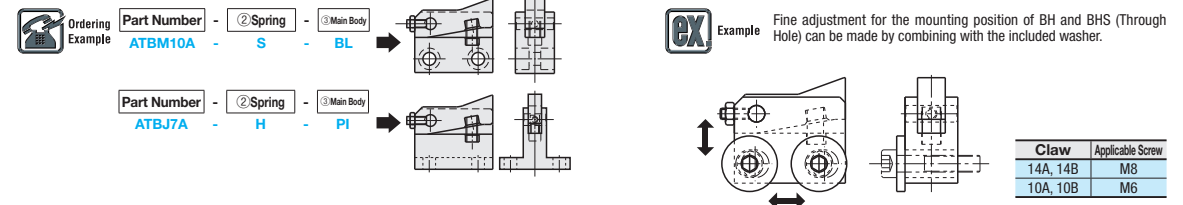
* ATBM is available for 28A, 28B, 20A, 20B and 7SB only.
* ATBJ is for threaded insert.

Type	Set	Load (Calculated Value) N											
		Stroke 3		Stroke 5 (7)		Stroke 10 (12)		Stroke 3		Stroke 5 (7)		Stroke 10 (12)	
		Spring Upper Part	Claw Tip	Spring Upper Part	Claw Tip	Spring Upper Part	Claw Tip	Spring Upper Part	Claw Tip	Spring Upper Part	Claw Tip	Spring Upper Part	Claw Tip
7SA	Soft S	0.4	0.3	1.1	0.7	1.5	1.0	-	-	-	-	-	-
7SB	Hard H	1.4	1.0	2.4	1.6	2.9	2.0	-	-	-	-	-	-
7A	Soft S	0.3	0.2	1.0	0.7	1.5	1.0	-	-	-	-	-	-
7B	Hard H	1.7	1.1	2.6	1.7	3.1	2.1	-	-	-	-	-	-
10A	Soft S	0.3	0.2	1.0	0.7	1.5	1.0	-	-	-	-	-	-
10B	Hard H	1.8	1.2	2.6	1.7	3.2	2.1	-	-	-	-	-	-
14A	Soft S	0.9	0.7	1.3	1.1	1.7	1.3	2.4	1.9	-	-	-	-
14B	Hard H	2.6	2.1	3.1	2.5	3.5	2.8	4.3	3.5	-	-	-	-
20A	Soft S	2.3	1.8	-	-	3.0	2.4	3.8	3.0	-	-	-	-
20B	Hard H	3.6	2.8	-	-	4.5	3.5	5.5	4.3	-	-	-	-
28A	Soft S	3.7	2.6	-	-	5.2	4.0	6.3	4.8	-	-	-	-
28B	Hard H	4.9	3.4	-	-	6.7	5.2	8.0	6.2	-	-	-	-

● The value of Stroke 5 and 10 for 28A and 28B are of when Stroke 7 and 12.



Type	Main Body	T	T1	L	P	Q	L1	B1	H2	J1	K1	d	Ca	Side Mounting Type				Bottom Mount Type			π-Shaped Type				
														Y	d1	d2	h	d3	M1	M2	ℓ	d4	F	T2	T3
7SA 7SB	BL	7	12	30	20	5	7.5	16	22.5	18	5	6	3	7	5.5	-	-	-	M5	-	-	-	-	-	-
	TP												2.5	-	-	-	-	-	M5	-	-	-	-	-	-
	PI								14	9.5	5			-	-	-	-	-	-	-	4.5	20	28	5	
7A 7B	BL	7	12	40	25	7.5	8	21.5	31	25	7	6	3	7	6.6	-	-	-	M6	-	-	-	-	-	-
	TP													-	-	-	-	-	M6	-	-	-	-	-	-
	PI													-	-	-	-	-	M6	-	-	9	-	-	-
10A 10B	BL BLS	10	19	40	25	7.5	8	21.5	31	25	7	6	3	7	6.6	11	7	-	M6	-	-	-	-	-	-
	BH BHS													-	-	-	-	-	M6	-	-	-	-	-	-
	TP TPS													-	-	-	-	-	M6	-	-	9	-	-	-
14A 14B	BL	14	25	55	35	10	10	36.5	43	35	10	8	4	10	9	14	8.5	-	M8	-	-	-	-	-	-
	BH													-	-	-	-	-	M8	-	-	-	-	-	-
	TP													-	-	-	-	-	M8	-	-	12	-	-	-
20A 20B	BT	20	38	65	40	12.5	12.5	40.7	49	40	10	10	5	-	-	-	-	-	M10	-	-	15	-	-	-
	PI								64	55				-	-	-	-	-	M10	-	-	9	58	75	16
	BT	28	50	80	50	15	15	51.4	64	53	15	12	5	-	-	-	-	-	M12	-	-	20	-	-	-
28A 28B	BT	28	50	80	50	15	15	51.4	82	71	15	12	5	-	-	-	-	-	M12	-	-	11	70	90	19
	PI													-	-	-	-	-	M12	-	-	11	70	90	19
	BT													-	-	-	-	-	M12	-	-	11	70	90	19



Claw	Applicable Screw
14A, 14B	M8
10A, 10B	M6