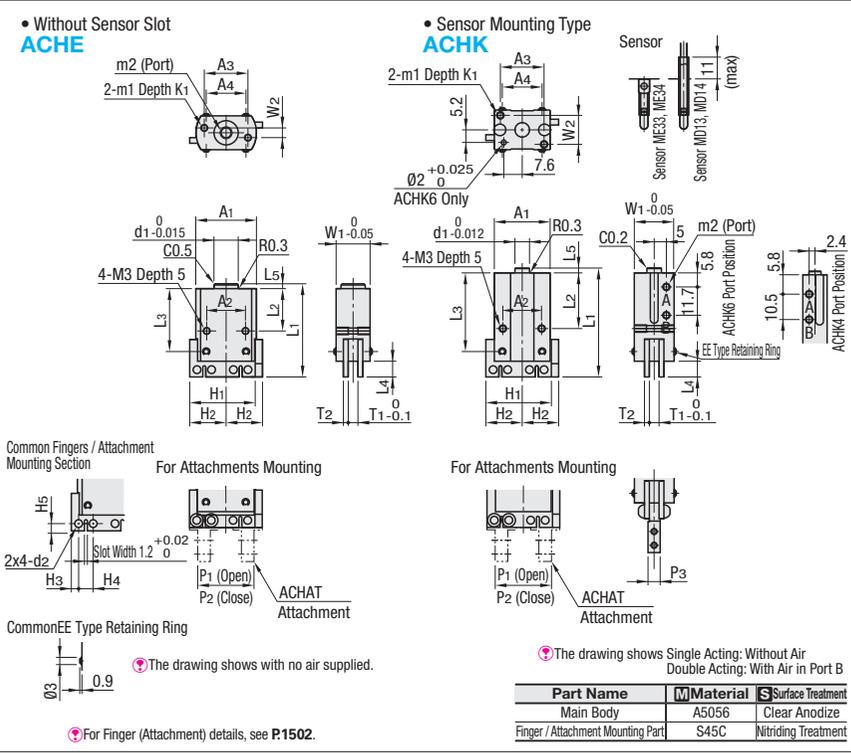


# Compact Parallel Grippers / Sensors

# Attachments for Pneumatic Grippers/ Fingers for Pneumatic Grippers (Direct Mounting Type)

Flat Shape



Part Number	Stroke	Selection	A1	A2	A3	A4	L1	L2	L3	L4	L5	H1	H2	H3	H4	H5	W1	W2	T1	T2	d1	d2	m1	m2	K1	P1	P2	P3
ACHE	4	N	22	12	13.6	14.4	33.5	16.5	22.5	5.5	1.5	24	13	2.5	5	2.5	10	4	3.1	1.5	6	2.2	3	3	6	20	16	4
	6	N	25	16	18	16.4	38.5	17.5	26	6.5	2	27	15	3	6	3	14	-	4.1	2	10	3.2	3	5	6	23.2	17.2	5
ACHK	4	N	20	12	10	14.4	40.5	23.5	29.5	5.5	1.5	24	13	2.5	5	2.5	10	6	3.1	1.5	5	2.2	2.6	3	4	20	16	4
	6	N	23	16	18	16.4	45	23	32.5	6.5	2	27	15	3	6	3	16.4	12	4.1	2	6	3.2	3	3	6	23.2	17.2	5

Part Number	Stroke	Selection	Cylinder I.D.	Effective Gripping Force (N)		Allowable Static Load (N)		Mass (g)	Sensor Slot	Unit Price
				Single Acting	Spring Double Acting	F1	F2			
ACHE	4	N	8	4.2(1)	-	5	2.5	17	No	
	6	N	10	7.2(1.3)	-	10	5	31		
ACHK	4	N	8	4.2(1)	4.9	5	2.5	19	Yes	
	6	N	12	10.4(1.9)	12.2	10	5	37		

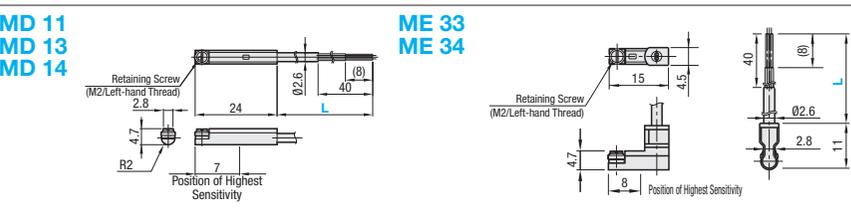
For the Specifications and Gripping Point Data, see Overview Page P1500

Effective Gripping Force shown with Air Pressure: 0.4MPa and Holding Point: L=20mm

The Allowable Static Load values are for reference only, not guaranteed.

The directions of the Allowable Static Load are shown in F1 and F2 on the right.

Ordering Example: Part Number - Single / Double Acting: ACHK4 - N

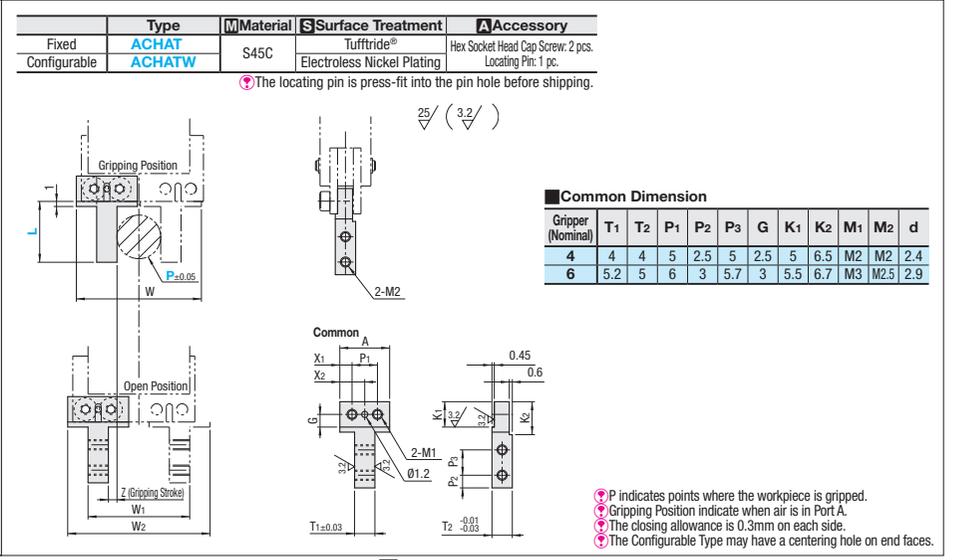


Part Number	Load Voltage	Load Current	Indicator Light	Sensor Type	Line	Wire Exit	Unit Price	
							L1 (1m)	L3 (3m)
MD11	24VDC 110VAC	DC24V 5~40mA AC110V 5~20mA	LED (Lights when ON)	Contact	2-Line	Rear		
MD13	28VDC or Less	0.1~40mA		No Contact	3-Line	Rear		
MD14	10~28VDC	5~20mA			2-Line	Top		
ME33	28VDC or Less	0.1~40mA			3-Line			
ME34	10~28VDC	5~20mA			2-Line			

For detailed specifications of the Sensors, see P1484

Operating Temp. Range: 0 ~ 60°C

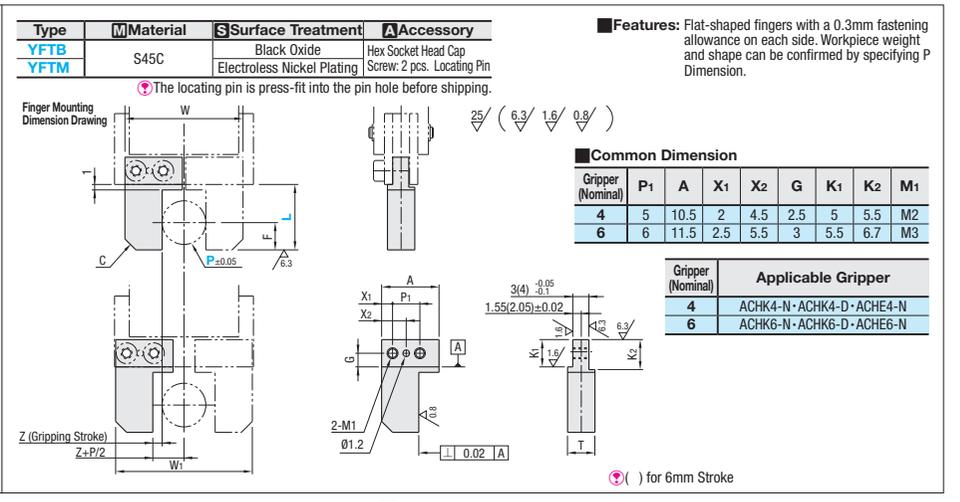
Ordering Example: Part Number MD14L1



Part Number	Type	Gripper (Nominal)	L	P	W	W1	W2	Z	A	X1	X2	Applicable Gripper	Unit Price
ACHAT	Fixed	4	12	8.6	22.4	20	25.8	1.7	9.8	2.4	4.9	ACHK4-□	
		6	14	7.4	24.4	23.2	29.8	2.7	11.8	2.9	5.9	ACHK6-□	

Unit Price is the price per set (both sides).

Ordering Example: Part Number - L - P: ACHAT4 ACHATW4 - L13 - P8.6



Gripper Body: 4mm Stroke (One-sided Stroke: 2mm)											Gripper Body: 6mm Stroke (One-sided Stroke: 3mm)																
Part Number	Type	Gripper (Nominal)	P Reference Pin 0.1mm Increment	L 1mm Increment	F	C	T	Z	W	W1	Part Number	Type	Gripper (Nominal)	P Reference Pin 0.1mm Increment	L 1mm Increment	F	C	T	Z	W	W1						
																						YFTB YFTM	4	4	3.0~4.0	8~29	2
4.1~5.0	8~30	2.5							4.1~5.0	8~45	2.5																
5.1~6.0	9~30	3	3							5.1~6.0	9~45	3	3														
6.1~7.0	9~31	3.5	5	1.7	21.6	25				6.1~7.0	9~46	3.5															
7.1~8.0	10~31	4								7.1~8.0	10~46	4															
8.1~9.0	11~32	4.5	2							8.1~9.0	11~47	4.5	2														
			9.1~10.0	12~32	5									9.1~10.0	12~47	5											

