

Attachment

● Material: Steel, Engineering plastic

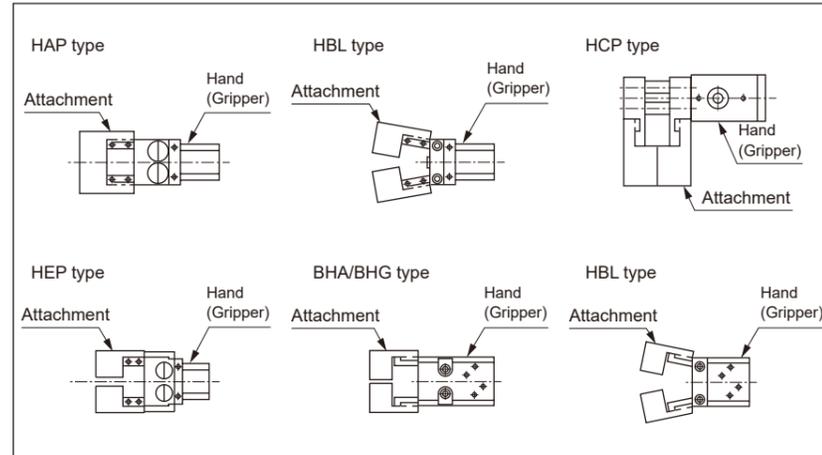


Main features

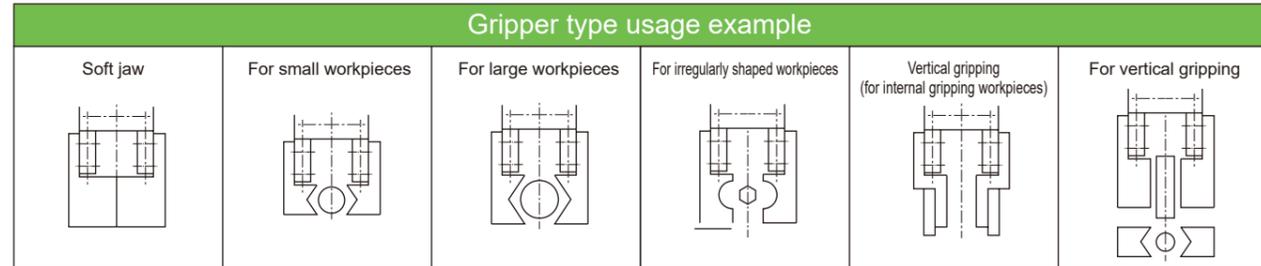
Attachments are available for all models, which can be machined to match the customer's workpiece.

- Spigot part is pre-processed
The troublesome reference part (spigot part) is pre-processed. Available in a series so you can select according to workpiece shape and dimensions.
- Two types of attachment materials
Iron (S50C) and engineering plastic (MC nylon) are available so you can select according to the workpiece material and operating conditions.

Models compatible with standard attachments

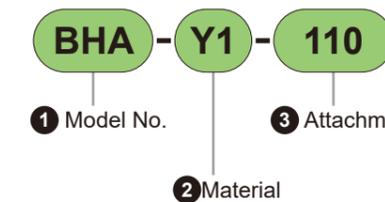


Attachment usage example



Model No. Notation Method

(Note: When ordering parts, it will be treated as 1 piece.)



1 Model No.

Code	Content
FH	Feather Gripper (FH100/FH500)
HAP	Parallel Gripper
BHA	Compact Cross Roller Parallel Gripper With rubber cover
BHG	Compact Cross Roller Parallel Gripper
HEP	Bearing Parallel Gripper
HCP	Horizontal Parallel Gripper
HBL	Pivot Gripper

2 Material

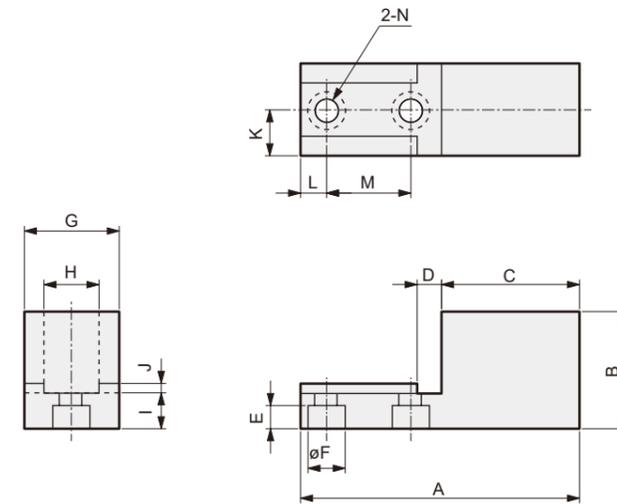
Code	Content
Y1	Material S50C
Y2	Material MC Nylon

3 Attachment number

Code	Content	Code	Content
110	HAP-1C	210	HEP-5CS
120	HAP-2CS, HBL-2CS	310	FH110, FH510
130	HAP-3CS, HBL-3CS	320	FH112, FH512
140	HAP-4CS, HBL-4CS	330	FH116, FH516
150	HBL-1CS	340	FH120, FH520
160	HCP-2CS	350	FH125
170	HCP-3CS	260	BHA-01CS1, BHG-01CS
180	HCP-4CS	270	BHA-03CS1, BHG-03CS
190	HEP-3.5CS	280	BHA-04CS1, BHG-04CS
200	HEP-4CS	290	BHA-05CS1, BHG-05CS

Outline Dimension Drawing

● 110 to 350



*Material
Y1: S50C
Y2: MC Nylon

Attachment No.	Compatible models	*Material	Dimensions (mm)														Weight (g)
			A	B	C	D	E	øF	G	H _{±0.02}	I	J	K	L	M	øN	
110	HAP-1C	Y1	40	17	24.5	4.5	3	6	10	8	5	1.5	5	3.5	8	3.5	39
		Y2		21							9						
120	HAP-2CS HBL-2CS	Y1	50	26	28	5.5	4	8	20	10	6	2	10	5	12	4.5	135
		Y2		30							10						
130	HAP-3CS HBL-3CS	Y1	60	33	30.5	6.5	5	9.5	20	12	8	2	10	5.5	18	5.5	194
		Y2															
140	HAP-4CS HBL-4CS	Y1	80	43	44	7.5	6	11	20	14	10	2	10	8	20	6.5	352
		Y2		50							17						
150	HBL-1C	Y1	40	19	19	4.5	3	6	12	8	5	1.5	6	4	10	3.5	44
		Y2			21												
160	HCP-2CS	Y1	60	29	33	9.5	5	9.5	22	18 _{±0.02}	9	2	11	11	10	5.5	206
		Y2															
170	HCP-3CS	Y1	70	35	34	11.5	6	11	25	20 _{±0.02}	10	2	12.5	8	20	6.5	303
		Y2															
180	HCP-4CS	Y1	80	40	42	13	6	11	35	25 _{±0.02}	10	2	17.5	10	20	6.5	563
		Y2		78	44						25	14		8			
190	HEP-3.5CS	Y1	80	41	50	7.5	5	9.5	20	14	10	2	10	6	18	5.5	360
		Y2		49							18						
200	HEP-4CS	Y1	120	60	81	11.5	6	11	30	22	13	2	15	8	20	6.5	1245
		Y2		77							30			16			
210	HEP-5CS	Y1	135	60	91	14.5	8	14	30	28	16	2	15	10	25	8.5	1443
		Y2		79							35			19			
310	FH110 FH510	Y1	29.5	15	14	4.5	3	6	12	7	4	1.5	6	3.5	8	3.5	22
		Y2															
320	FH112 FH512	Y1	29.5	16.5	14	4.5	3	6	12	7	4	1.5	6	3.5	8	3.5	23
		Y2															
330	FH116 FH516	Y1	39	20	20.5	5.5	4	8	12	10	5	1.5	6	3.5	10	4.5	48
		Y2															
340	FH120 FH520	Y1	39	22.5	20.5	5.5	4	8	12	10	5	1.5	6	3.5	10	4.5	53
		Y2		25.5							8						
350	FH125	Y1	48.5	22.5	28.5	6.5	5	9.5	14	12	8	2	7	4.5	10	5.5	105
		Y2		25.5							14						
260	BHA-01CS1 BHG-01CS	Y1	30	17.5	14.5	4.5	3	6	14	10	5	1.5	7	4	8	3.5	38
		Y2															
270	BHA-03CS1 BHG-03CS	Y1	40	21	21	5.5	4	8	14	10	6	1.5	7	4.5	10	4.5	61
		Y2		23							8						
280	BHA-04CS1 BHG-04CS	Y1	40	26.5	21	5.5	4	8	14	10	6	1.5	7	4.5	10	4.5	76
		Y2		29.5							9						
290	BHA-05CS1 BHG-05CS	Y1	50	33	28.5	6.5	5	9.5	14	10	8	2	7	6	10	5.5	123
		Y2		39							14						