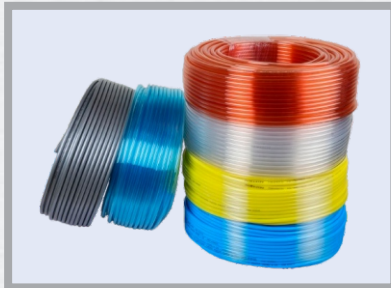


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APZ Series Parallel Air Gripper

02



How To Order

APZ

16

D

Model

APZ:Parallel
Gripper

Bore Size

16mm-40mm

Action Type

D:Double Acting

Specification

	16	20	25	32	40
Media	Compressed Air (to be filtered by 40µm filter element)				
Operating Pressure	1 to 7 Bar				
Ambient fluid temperature	-10~60 °C				
Repeatability(mm)	±0.01			±0.02	
Lubrication	Not Required				
Action type	Double Acting				
Port size	M5X0.8				

Gripping Force

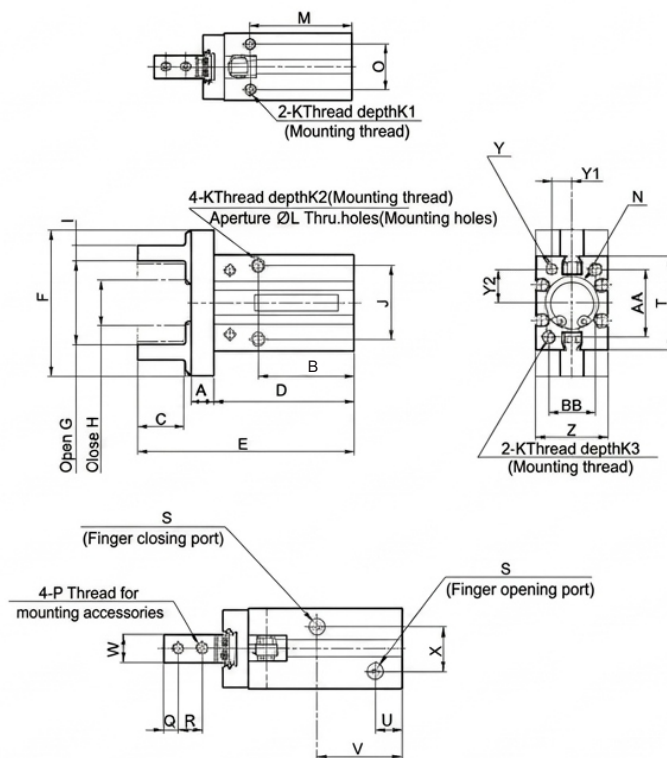
Model	Gripping Force N		Opening/Closing (Both sides)mm
	RMS each finger gripping force		
	Double Acting		
	External	Internal	
APZ-16D	34	45	6
APZ-20D	42	66	10
APZ-25D	65	104	14
APZ-32D	158	193	22
APZ-40D	254	318	30

APZ Series Parallel Air Gripper

03

Overall Dimensions

APZ- (Ø16~Ø40)
Double acting



Dimension Sheet

Bore(mm)	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ØL	M	N	O	P	Q
16	7.5	24.5	15	42.5	67.3	38	20.9 ^{+2.2} _{0.2}	14.9 ⁰ _{-0.7}	5 ⁰ _{-0.1}	24	M4X0.7	4.5	8	8	3.4	30	Ø17H9 ^{+0.043} ₀ Dp:2	16	M3X0.5	4
20	9.5	29	20	52.8	84.8	50	26.3 ^{+2.2} _{0.2}	16.3 ⁰ _{-0.7}	8 ⁰ _{-0.1}	30	M5X0.8	8	10	10	4.3	35	Ø21H9 ^{+0.052} ₀ Dp:3	18.6	M4X0.7	5
25	11	30	25	63.6	102.7	63	33.3 ^{+2.5} _{0.2}	19.3 ⁰ _{-0.8}	10 ⁰ _{-0.1}	36	M6X1	10	12	12	5.1	36.5	Ø26H9 ^{+0.052} ₀ Dp:3.5	22	M5X0.8	6
32	12	40(49)	29	67(76)	113(122)	97	48 ^{+2.5} ₀	26 ⁰ _{-0.5}	12 ⁰ _{-0.1}	46	M6X1	10	13	13	5.1	48(57)	Ø34H9 ^{+0.062} ₀ Dp:4	26	M6X1	7
40	15	49(62)	36	83(96)	139(152)	119	60 ^{+2.7} ₀	30 ⁰ _{-0.5}	14 ⁰ _{-0.1}	56	M8X1.25	13	16	17	6.6	58(71)	Ø42H9 ^{+0.062} ₀ Dp:4	32	M8X1.25	9

Bore(mm)	R	S	T	U	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE
16	7	M5X0.8	30.6	7.5	19	8 ⁰ _{-0.05}	13	Ø3H9 ^{+0.025} ₀ Dp:3	23.6±0.05	6.5±0.02	11±0.02	22	15	11.6	2.1	5.8
20	9	M5X0.8	42	10	23	10 ⁰ _{-0.05}	15	Ø4H9 ^{+0.03} ₀ Dp:4	27.6±0.05	7.5±0.02	16.8±0.02	32	18	14	2.1	9
25	12	M5X0.8	52	10.7	23.5	12 ⁰ _{-0.05}	20	Ø4H9 ^{+0.03} ₀ Dp:4	33.6±0.05	10±0.02	21.8±0.02	40	22	19	3.5	11.5
32	14	M5X0.8	60	11	31(37)	15 ⁰ _{-0.05}	24	Ø5H9 ^{+0.03} ₀ Dp:5	40±0.1	12±0.02	23±0.02	46	26	24	3.3	11.5
40	17	M5X0.8	72	12	38(45)	18 ⁰ _{-0.05}	28	Ø5H9 ^{+0.03} ₀ Dp:5	48±0.1	14±0.02	29±0.02	56	32	29.4	3.7	13

APR Series Angular Air Gripper

04



How To Order

APR

16

D

Model
APR:Angular
Gripper

Bore Size
16mm-25mm

Action Type
D:Double Acting

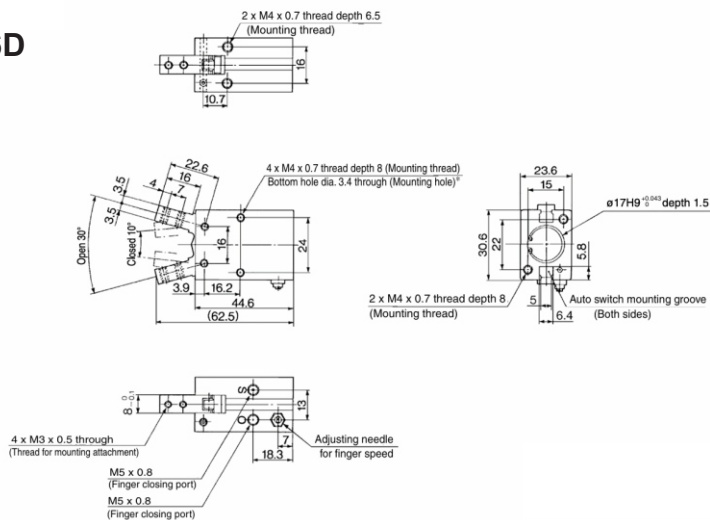
Specification

Bore(mm)	16	20	25
Media	Compressed Air (to be filtered by 40µm filter element)		
Operating Pressure	1 to 7 Bar		
Ambient fluid temperature	-10~60 °C		
Repeatability(mm)	±0.01		
Lubrication	Not Required		
Action type	Double Acting		
Port size	M5X0.8		
Gripping Moment(N.m) (Effective Value) ⁽¹⁾	0.39	0.70	1.36
Opening / Closing Angle (Both sides)	30 to -10°		
Weight(g)	91	180	311

Note 1) At the pressure of 0.5 MPa

Overall Dimensions

APR-16D

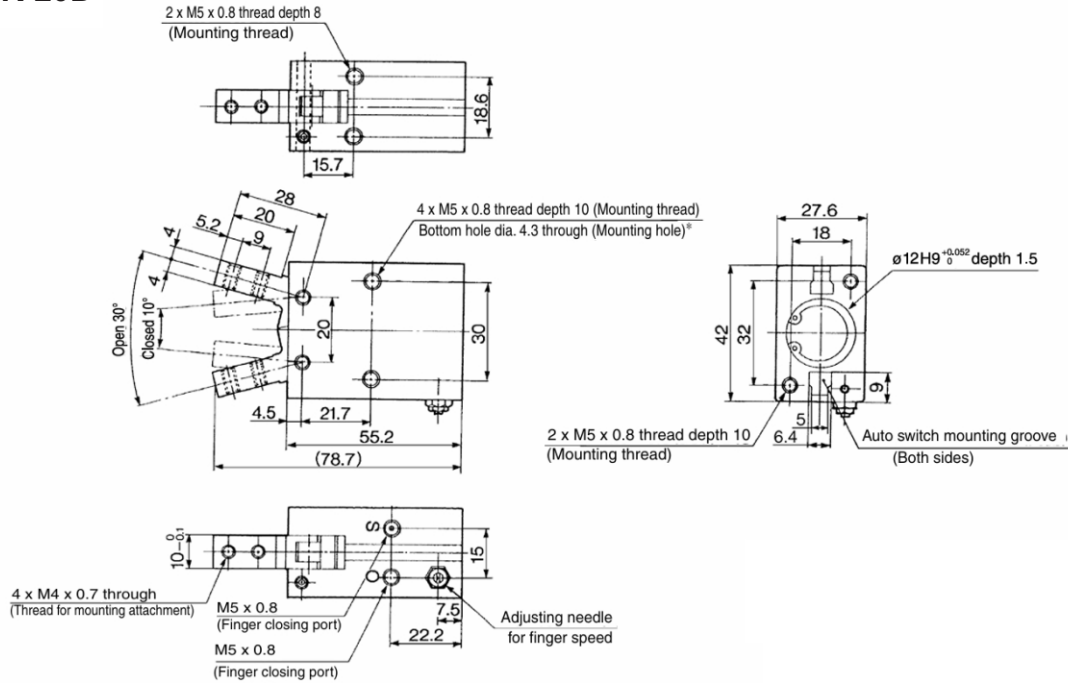


APR Series Angular Air Gripper

05

Overall Dimensions

APR-20D



APR-25D

