

Flat Type Air Hand

AFDPG Series

THIN DESIGN

Bore 6mm to 25mm, height 15mm to 45.5mm

LONG STROKE TYPE AND ASYNCHRONOUS AVAILABLE

Standard is synchronous type. With stroke adjusting type is available as well.

HIGH POSITIONING ACCURACY AND HIGH RIGIDITY



Specifications

Item	Basic model	AFDPG-6	AFDPG-8	AFDPG-12	AFDPG-14	AFDPG-18	AFDPG-25
Cylinder bore size	mm	φ6×2	φ8×2	φ12×2	φ14×2	φ18×2	φ25×2
Operating type		Double acting type					
Media		Air					
Operating pressure range	MPa	0.2~0.7		0.15~0.7			
Proof pressure	MPa	1.05					
Operating temperature range	℃	0~60 (No frozen)					
Maximum operating frequency	cycle/min	120			100		80
Lubrication		Not required					
Effective gripping force(F) ^{Note1}	N	12	17	44	58	105	210
Open/closed stroke	mm	12	16	22	30	40	50
Stroke adjusting range ^{Note2}	mm	Open/closed stroke max. 6	Open/closed stroke max. 8		Open/closed stroke max. 15		Open/closed stroke max. 25
Repeatability	mm	±0.07					±0.04
Port size		M3×0.5		M5×0.8			
Mass ^{Note3}	g	52	86 (1)	200 (3)	390 (5)	690 (10)	1520 (12)

Note1 : Values are obtained when grip point length is 30mm [1.18in.] under operating pressure 0.5 MPa [73psi.].

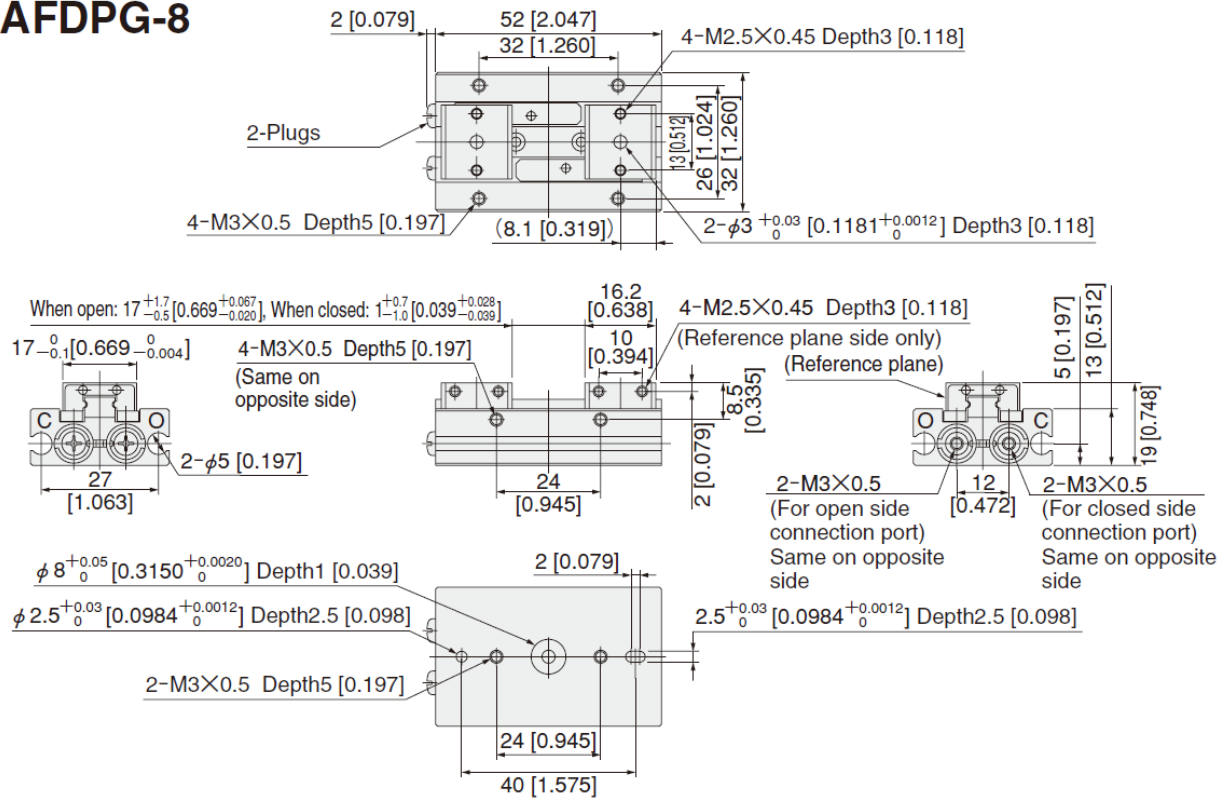
2 : Applicable range with stroke adjustment mechanism (-JA, -JB, -JC). The stroke adjustment range for -JC type is shown separately for open side and closed side.

When using the $\phi 6$ and $\phi 8$ both-side adjustment (-JC) type, ensure a minimum of 3 mm for the lever stroke to operate.

3 : The figure in parentheses () shows the amount of additional mass for the stroke adjustment mechanism. For -JC, double the amount of the figure in parentheses ().

Dimensions

AFDPG-8



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