

AFDPG Series Flat Type Parallel Grippers



Long stroke lengths are the biggest attraction in this compact flat gripper series. A miniaturized height dimension to help reduce the overall space required for OEM installations. High rigidity to torque moments from integrated linear guide, this series also boasts a wide range of operation variations including: synchronous types, asynchronous types, long types

- Flat, Compact Type with High Gripping Force
- Synchronous and Asynchronous Finger Travel Options
- Adjustable Finger Travel
- High Precision, Preloaded Guide Rails
- Long Stroke Model Available
- RoHS Compliance

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

Operations

Double Acting Parallel Linear Guide Synchronous

Double Acting Parallel Linear Guide Synchronous Long Stroke

AFDPG Series Flat Type Parallel Grippers

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Model	Operation	Bore mm	Stroke Open/Close mm [in]	Repeatability mm [in]	Centering Accuracy mm [in]	Port Size metric [imperial]	Max Grip Point Length mm [in]	Effective Gripping Force*		Max Frequency cycle / min	Pressure Range MPa [psi]	Temperature Range °C [°F]
								Close N [lbf]	Open N [lbf]			
AFDPG	Double Acting Parallel Linear Guide Synchronous	6	12 [0.47]	0.07 [0.0028]	Consult Factory	M3 x 0.5 [upon request]	Consult Factory	12 [2.7]	12 [2.7]	120	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
AFDPG	Double Acting Parallel Linear Guide Synchronous	8	16 [0.63]	0.07 [0.0028]	Consult Factory	M3 x 0.5 [upon request]	Consult Factory	17 [3.8]	17 [3.8]	120	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
AFDPG	Double Acting Parallel Linear Guide Synchronous	12	22 [0.87]	0.07 [0.0028]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	44 [9.9]	44 [9.9]	120	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
AFDPG	Double Acting Parallel Linear Guide Synchronous	14	30 [1.18]	0.07 [0.0028]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	58 [13]	58 [13]	100	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
AFDPG	Double Acting Parallel Linear Guide Synchronous	18	40 [1.57]	0.07 [0.0028]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	105 [23.6]	105 [23.6]	100	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
AFDPG	Double Acting Parallel Linear Guide Synchronous	25	50 [1.97]	0.04 [0.0016]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	210 [47.2]	210 [47.2]	80	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

Focused on providing industry leading pneumatic, fluid handling, and electrical automation components and assemblies for the OEM market | Think KOGANEI

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Model	Operation	Bore mm	Stroke Open/Close mm [in]	Repeatability mm [in]	Centering Accuracy mm [in]	Port Size metric [imperial]	Max Grip Point Length mm [in]	Effective Gripping Force*		Max Frequency cycle / min	Pressure Range MPa [psi]	Temperature Range °C [°F]
								Close N [lbf]	Open N [lbf]			
AFDPGL	Double Acting Parallel Linear Guide Synchronous Long Stroke	6	20 [0.79]	0.05 [0.002]	Consult Factory	M3 x 0.5 [upon request]	Consult Factory	12 [2.7]	12 [2.7]	120	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
AFDPGL	Double Acting Parallel Linear Guide Synchronous Long Stroke	8	34 [1.34]	0.04 [0.0016]	Consult Factory	M3 x 0.5 [upon request]	Consult Factory	17 [3.8]	17 [3.8]	120	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
AFDPGL	Double Acting Parallel Linear Guide Synchronous Long Stroke	12	50 [1.97]	0.04 [0.0016]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	44 [9.9]	44 [9.9]	120	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
AFDPGL	Double Acting Parallel Linear Guide Synchronous Long Stroke	14	60 [2.36]	0.07 [0.0028]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	58 [13]	58 [13]	100	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
AFDPGL	Double Acting Parallel Linear Guide Synchronous Long Stroke	18	80 [3.15]	0.07 [0.0028]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	105 [23.6]	105 [23.6]	100	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
AFDPGL	Double Acting Parallel Linear Guide Synchronous Long Stroke	25	100 [3.94]	0.04 [0.0016]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	210 [47.2]	210 [47.2]	60	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

* @ 0.5 MPa / 72.5 psi and 30 mm gripping point length