



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 Gr Close N [lbf]	ipping Force* Open N [lbf]	Max Frequency cycle / min	Pressure Range MPa [psi]	Temperature Range °C [°F]
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



AFDPG Series Flat Type Parallel Grippers

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Operation	Bore mm	Stroke Open/Close	Repeatability mm [in]	Centering	Port Size	Max Grip Point		1. 0	Max	Pressure	Temperature
				,		J		'	1 3	9	Range
		111111 [111]		111111 [111]	[IIIIperial]	111111 [111]	נוטון או	[וטו] ויו	Cycle / IIIII	ivira [þSi]	°C [°F]
Double Acting Parallel Linear Guide	,	20	0.05	Consult Factory	M3 x 0.5	Consult Factory	12	12	120	0.2 - 0.7	0 - 60
ö	6	[0.79]	[0.002]		_		[27]	[27]		[29.0 - 101.5]	[32 - 140]
, ,		. ,			. 1 ,			[2.7]		. ,	_
Double Acting Parallel Linear Guide	8	34	0.04	Consult Factory	M3 x 0.5	Consult Factory	17	17	120	0.2 - 0.7	0 - 60
Synchronous Long Stroke		[1.34]	[0.0016]		[upon request]		[3.8]	[3.8]		[29.0 - 101.5]	[32 - 140]
,											
Double Acting Parallel Linear Guide	12			Consult Factory	M5 x 0.8	Consult Factory			120		0 - 60
Synchronous Long Stroke		[1.97]	[0.0016]		[upon request]		[9.9]	[9.9]		[21.8 - 101.5]	[32 - 140]
Double Acting Parallel Linear Guide	14	60	0.07	Consult Factory	M5 x 0.8	Consult Factory	58	58	100	0.15 - 0.7	0 - 60
ö		[2.36]	[0.0028]		[upon request]		[13]	[13]		[21.8 - 101.5]	[32 - 140]
, ,	18			Consult Factory	ME v O O	Consult Factory			100	015 07	0 - 60
o o					O.U X CIVI						
Synchronous Long Stroke		[3.15]	[0.0028]		[upon request]		[23.6]	[23.6]		[21.8 - 101.5]	[32 - 140]
Double Acting Parallel Linear Guide	25	100	0.04	Consult Factory	M5 x 0.8	Consult Factory	210	210	60	0.15 - 0.7	0 - 60
9		[3.94]	[0.0016]		[upon request]		[47.2]	[47.2]		[21.8 - 101.5]	[32 - 140]
	Double Acting Parallel Linear Guide Synchronous Long Stroke Double Acting Parallel Linear Guide Synchronous Long Stroke	Operation mm Double Acting Parallel Linear Guide Synchronous Long Stroke Double Acting Parallel Linear Guide Synchronous Long Stroke	Operation Double Acting Parallel Linear Guide Synchronous Long Stroke Double Acting Parallel Linear Guide Synchronous Long Stroke	Operation Bore mm Open/Close mm [in] Repeatability mm [in] Double Acting Parallel Linear Guide Synchronous Long Stroke 6 20 0.05 Double Acting Parallel Linear Guide Synchronous Long Stroke 8 34 0.04 Double Acting Parallel Linear Guide Synchronous Long Stroke 12 50 0.04 Double Acting Parallel Linear Guide Synchronous Long Stroke 14 60 0.07 Double Acting Parallel Linear Guide Synchronous Long Stroke 18 80 0.07 Double Acting Parallel Linear Guide Synchronous Long Stroke 18 80 0.07 Double Acting Parallel Linear Guide Synchronous Long Stroke 18 3.15 [0.0028] Double Acting Parallel Linear Guide Synchronous Long Stroke 100 0.04	Operation Bore mm Open/Close mm [in] Repeatability mm [in] Accuracy mm [in] Double Acting Parallel Linear Guide Synchronous Long Stroke 6 20 0.05 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 8 34 0.04 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 12 50 0.04 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 14 60 0.07 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 18 80 0.07 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 18 80 0.07 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 18 80 0.07 Consult Factory Double Acting Parallel Linear Guide Synchronous Long Stroke 18 100 0.04 Consult Factory	OperationBore mmOpen/Close mm [in]Repeatability mm [in]Accuracy mm [in]metric [imperial]Double Acting Parallel Linear Guide Synchronous Long Stroke6200.05Consult FactoryM3 x 0.5Double Acting Parallel Linear Guide Synchronous Long Stroke8340.04Consult FactoryM3 x 0.5Double Acting Parallel Linear Guide Synchronous Long Stroke12500.04Consult FactoryM5 x 0.8Double Acting Parallel Linear Guide Synchronous Long Stroke14600.07Consult FactoryM5 x 0.8Double Acting Parallel Linear Guide Synchronous Long Stroke14600.07Consult FactoryM5 x 0.8Double Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Double Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Double Acting Parallel Linear Guide Synchronous Long Stroke181000.04Consult FactoryM5 x 0.8	OperationBore mmOpen/Close mm [in]Repeatability mm [in]Accuracy mm [in]metric [imperial]Length mm [in]Double Acting Parallel Linear Guide Synchronous Long Stroke6200.05Consult FactoryConsult FactoryConsult FactoryConsult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke8340.04Consult FactoryM3 x 0.5Consult FactoryConsult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke12500.04Consult FactoryM5 x 0.8Consult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke14600.07Consult FactoryM5 x 0.8Consult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Consult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Consult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Consult FactoryDouble Acting Parallel Linear Guide Synchronous Long Stroke181000.04Consult FactoryM5 x 0.8Consult Factory	OperationBore mmOpen/Close mm [in]Repeatability mm [in]Accuracy mm [in]metric [imperial]Length mm [in]Close N [lbf]Double Acting Parallel Linear Guide Synchronous Long Stroke6200.05Consult FactoryConsult FactoryConsult FactoryConsult Factory[2.7]Double Acting Parallel Linear Guide Synchronous Long Stroke8340.04Consult FactoryM3 x 0.5Consult Factory[2.7]Double Acting Parallel Linear Guide Synchronous Long 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Guide Synchronous Long Stroke12500.04Consult FactoryM5 x 0.8Consult Factory[9.9][9.9]Double Acting Parallel Linear Guide Synchronous Long Stroke14600.07Consult FactoryM5 x 0.8Consult Factory5858Synchronous Long Stroke14600.07Consult FactoryM5 x 0.8Consult Factory[13][13]Double Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Consult FactoryConsult Factory105Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Consult Factory[23.6][23.6]Double Acting Parallel Linear Guide Synchronous Long Stroke18800.07Consult FactoryM5 x 0.8Consult Factory[23.6][23.6]Double Acting Parallel Linear Guide Synchronous Long Stroke1000.04Consult FactoryM5 x 0.8Consult Factory210210	OperationBore mmOpen/Close mm [in]Repeatability mm [in]Accuracy mm [in]metric [imperial]Length mm [in]Close N [lbf]Open N [lbf]Frequency cycle / minDouble Acting Parallel Linear Guide Synchronous Long Stroke620 [0.79]0.05 [0.002]Consult Factory[mm [in]M3 x 0.5 [upon request]Consult Factory[2.7]1212Double Acting Parallel Linear Guide Synchronous Long Stroke834 [1.34][0.0016]Consult Factory[mm [in]M3 x 0.5 [upon request]Consult Factory[3.8][3.8]120Double Acting Parallel Linear Guide Synchronous Long Stroke12 [1.97]50 [0.0016]Consult FactoryM5 x 0.8 [upon request]Consult Factory[9.9][9.9]120Double Acting Parallel Linear Guide Synchronous Long Stroke14 [2.36]60 [0.0028]Consult FactoryM5 x 0.8 [upon request]Consult Factory58 [13]58 [13]100Double Acting Parallel Linear Guide Synchronous Long Stroke18 [3.15]80 [0.0028]Consult FactoryM5 x 0.8 [upon request]Consult Factory105 [23.6]105 [23.6]100Double Acting Parallel Linear Guide Synchronous Long Stroke18 [3.15]100 [0.0028]Consult FactoryM5 x 0.8 [upon request]Consult Factory210 [23.6]210 [23.6]	Double Acting Parallel Linear Guide Synchronous Long Stroke Synchr

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