

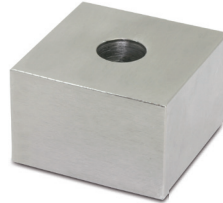


WORKHOLDING CHUCKS

FXL CHUCK ACCESSORIES

Standard Pole Extensions

Fixed pole extensions are used to pre-set the three-point support when used in conjunction with mobile pole extensions or to set inherently rigid, flat materials high. By using a full complement of fixed pole extensions, the magnetic chuck is protected from deterioration and defects. The pole extensions can always be milled over when worn.



Single-pole, square

Model	Fit for Chuck Model	Dimension (in/mm)					
		Length (in/mm)		Width (in/mm)		H (in/mm)	
FXLP5FS006	FXL-50	1.97	50	1.97	50	0.59	15
FXLP5FS125	FXL-50	1.97	50	1.97	50	1.26	32
FXLP5FS213	FXL-50	1.97	50	1.97	50	2.13	54
FXLP7FS008	FXL-70	2.76	70	2.76	70	0.79	20
FXLP7FS177	FXL-70	2.76	70	2.76	70	1.77	45
FXLP7FS276	FXL-70	2.76	70	2.76	70	2.76	70

MP Mobile Standard Pole Extensions

Mobile pole extensions MP are screwed onto the magnetic poles with an Allen key. The surface of the MP pole extension is blasted and electrolytically nickel-plated. Mobile pole extensions are used to clamp workpieces over their entire surface without distortion. Via the inclined plane, the upper part of the pole extension moves to the level of the workpiece and stiffens it without pulling it down.



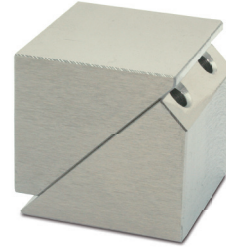
FXLP5MS125 / FXLP7MS177

Upper part secured by guide plate.
Advantageous for vertical clamping!



FXLP5MS212

Top free floating, allows maximum height compensation and easy cleaning!



FXLP7MS276

Model	Fit for Chuck Model	Suitable for Pole size (in/mm)		Dimension (mm)						Suitable for fixed Pole extensions (in/mm)		Weight (lb/kg)	
		L (in/mm)	W (in/mm)	L (in/mm)	W (in/mm)	H (in/mm)	L (in/mm)	W (in/mm)	H (in/mm)	L (in/mm)	W (in/mm)	L (in/mm)	W (in/mm)
FXLP5MS125	FXL-50	1.97	50	1.97	50	1.97	50	1.14 - 1.38	29-35	1.14 - 1.38	29-35	1.1	0.5
FXLP5MS212	FXL-50	1.97	50	1.97	50	1.97	50	1.73 - 2.32	44 - 59	1.73 - 2.32	44 - 59	2.2	1
FXLP7MS177	FXL-70	2.76	70	2.76	70	2.76	70	1.59 - 1.99	40.5 - 50.5	1.59 - 1.99	40.5 - 50.5	3.3	1.5
FXLP7MS276	FXL-70	2.76	70	2.76	70	2.76	70	2.36 - 2.95	60 - 75	2.36 - 2.95	60 - 75	5.5	2.5

With mounting screws M8

RMP Mobile Pole Extensions

Mobile pole extensions of the RMP type are simply screwed onto the magnet plate by hand via the screwed-on threaded pin (M8 x 10 mm) onto the magnetic plate. The surface of the RMP pole extension is completely machined and chemically nickel-plated. Compared to the standard square pole extension, the magnetic power is approx. 20% higher than the standard square pole extension and the closed design largely prevents the intrusion of dirt and chips. The round design generates a purely vertical stroke. The clamping surface is sandblasted to increase friction.

Model	Fit for Chuck Model	Suitable for Pole size (in/mm)	Dimension (in/mm)		Suitable for standard Pole extensions	Weight (lbs/kg)	
			Height	Height			
FXLP5MR125	FXL-50	1.97	50	1.16-1.36	FXLP5FS125	1.10	0.5
FXLP7MR177	FXL-70	2.76	70	1.57-187	FXLP7FS177	1.2	1.2

FXLP5MR125 / FXLP7MR177



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Electro Permanent Magnetic Clamping

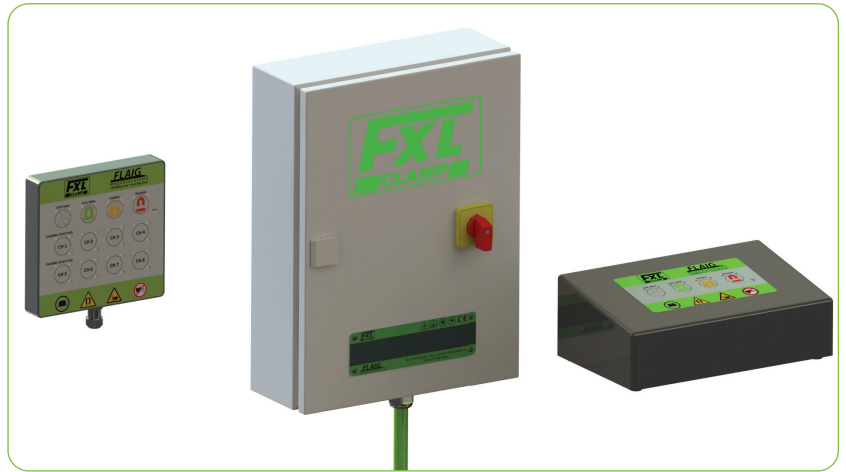
CONTROL TECHNOLOGY FOR FXL

Pole reversal controllers from the FXL-C family not only reliably control our FXL magnetic chucks, but almost all electro-permanent magnet systems on the market.

Input voltages of 100-500 VAC / 50-60Hz and matching modulated, pulsed output voltages and pulse powers of up to 24 kVA are unique key data which are only required under extreme conditions, but ensure maximum stability in normal use.

FXL-C is available from a simple, handy table-top unit to a control cabinet version for large-scale applications; autonomous from hand-operated, part-connected with feedback to the machine to full integration into the machine control for automated applications.

The optionally available switching status display informs the user about the switching status of the clamping plate even when the cable is disconnected; ideal for palletising.



On/Off feature

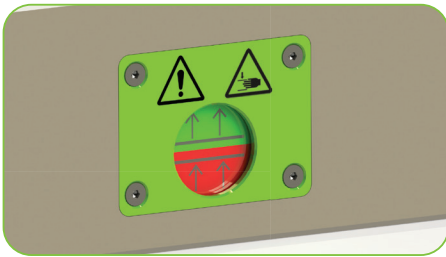


Plate demagnetised

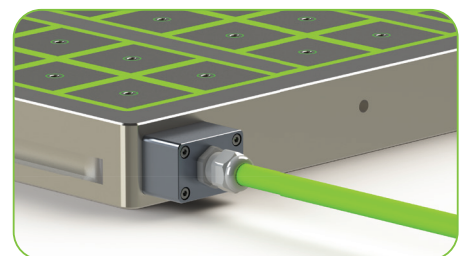
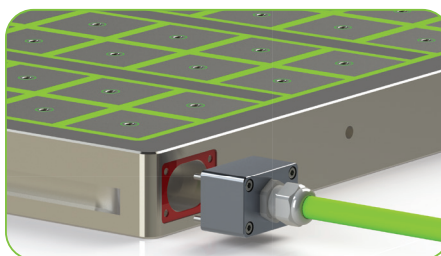
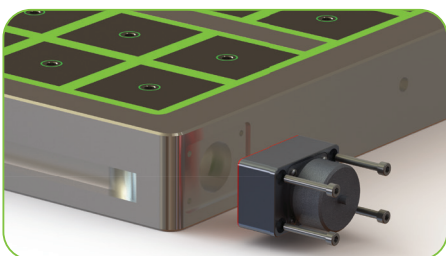


Plate magnetised

With little effort, it is possible to convert on site from a plug-in connection to a fixed connection or vice versa. In this way, a flexible clamping plate can quickly be converted into a fixed clamping plate with maximum availability if requirements or machinery change.

Info: the plug-in connection with closed cover achieves protection class IP67 the fixed connection achieves protection class IP68, tight up to 5 bar the connection is made via spring clips - quick and safe

An electro permanent magnet does not have a consistent current flowing through it like a standard chuck. There is an initial pulse of electricity to activate the magnet which is maintained through the system. As a result, there is no heat generation. This significantly improves machining accuracy.



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