

Clamping Elements For Linear Guides and Shafting

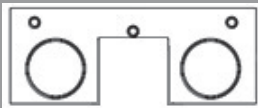
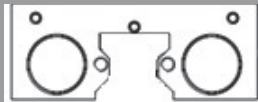
THE DYNAMICS OF MOVEMENT

CLAMPING ELEMENTS FROM MATARA:
Matara's range of linear motion clamping elements suit Linear Rail and Shafting, with both manual and pneumatic types available. The Shafting type suits diameters from as small as Ø12 all the way up to Ø60. Furthermore, the Linear Rail type suits linear rail sizes from 9 all the way up to 65.

Clamping Elements Order Example

Code: **FRC** **15** **T** **SE**

Options: 1 2 3 4

Options		Clamping Elements			
1	Series	FRC, FRCDP, FRCDPH, FRCDPM, FRCMC, FRCC, FRCMAN-M LT, FRCCMAN LT, FRCMAN LT			
2	Guide/ Shaft Size	15~65		12~60	
3	Guide Type	T Type= 		*Only for FRCDPM S Type= 	
4	Clamp Type (Only for linear rail clamps)	SE Single action configuration "Normally Open" – Air to close	SEM Single action configuration "Normally Closed" – Air to open	DE Double action configuration "Normally Open" – Air to close and to open	DEM Double action configuration "Normally Closed" – Air to open and to close

FRCDPH Powered Double Piston Element

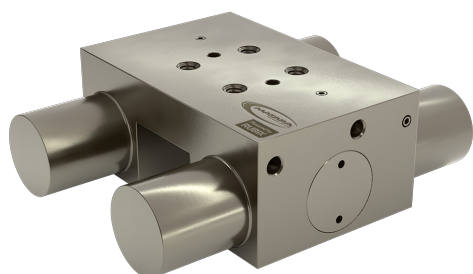
New line created to obtain a high clamping force in small spaces.
Powered Dual Locking Action: with a pair of pistons for each tightening part.
The clamping force of this element is double that of FRC line.



FRCDPH SE FRCDPH DE

- Dual piston system: high clamping force
- Small size
- Short reaction time

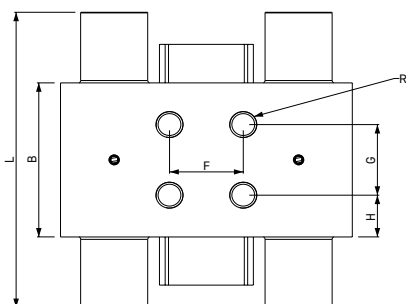
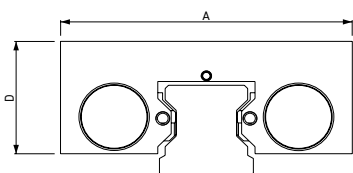
Guide size: 15 ~ 55
Guide type: T
Working type: Norm. Open
Body: Steel
Operating Temp: -20°C ~ 80°C
Operating Pressure: 5,5 ~ 8 bar



FRCDPH SEM FRCDPH DEM

- Locking element without the use of energy
- High clamping force thanks to a double piston system
- Small size
- Short reaction times

Guide size: 15 ~ 55
Guide type: T
Working type: Norm. Closed
Body: Steel
Operating Temp: -20°C ~ 80°C
Operating Pressure: 5,5 ~ 8 bar



Model No.	Guide Type and Size	Clamping Force (N)				A [mm]	B [mm]	D [mm]	F [mm]	G [mm]	H [mm]	L [mm]	P [mm]	Q [mm]	R	S [mm]	T [mm]
		SEM	SE	DE	DEM												
FRCDPH	T 15	800	1300	1300	2100	61	56	21.5	15	15	19.7	94	5	5.2	M4x4	17	17
FRCDPH	T 20	1200	2000	2000	3200	73	51	25.5	20	27	12	95	5	5	M5x6	16.1	15.8
FRCDPH	T 25	1500	2400	2400	3900	78	51	32.5	20	20	15.5	100	5	7.25	M6x7	20.5	5
FRCDPH	T 30	2100	3500	3500	5600	93	50	38	22	22	14	108	9	5	M8x10	20.5	5
FRCDPH	T 35	2500	4000	4000	6500	109	60.8	42.3	24	24	18.4	124.6	7	5	M8x16	30.4	5
FRCDPH	T 45	3000	4600	4600	7600	120	60.8	49.3	26	26	17.4	124.8	12.3	7	M10x19	30.4	5
FRCDPH	T 55	4000	6000	6000	10000	136	60	54	30	30	15	126	13	8	M10x20	23.5	23.5