

■ FRC pneumatic clamping

- ERRE.DI. has been manufacturing and supplying quality automation components and systems for over 20 years. Within its own facilities, ERRE.DI. is able to design, produce and test an extensive range of clamping and braking elements for linear guides and rods.
- All the clamping and braking elements undergo treatments to protect against corrosion: hard anodizing for aluminum elements and electrolytic nickel plating bath for steel elements.
- High system efficiency and fast crimping make these mechanisms particularly suitable for use in linear motors and machine tools, as well as in various transfer systems.
- Wide range of offered products can easily satisfy the most diverse customer needs.



FRC##T01SE

Table 1

## Guide size	15 ÷ 45
Guide type	T
Operation type	Norm. open
Body	Steel
Operating Temp.	0°C ÷ 80°C
Operation Pressure	5 ÷ 8 bar

Limited length.
High clamping forces.
Precise positioning.
High rigidity.



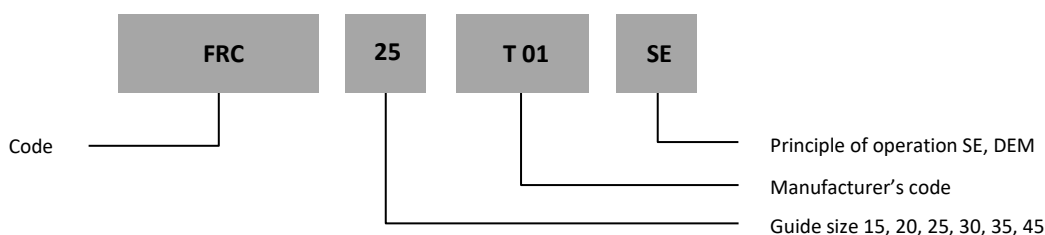
FRC##T01DEM

Table 1

## Guide size	15 ÷ 45
Guide type	T
Operation type	Norm. open
Body	Steel
Operating Temp.	0°C ÷ 80°C
Operation Pressure	5 ÷ 8 bar

Includes springs for closing, while the pressure is for opening.
Locking element without the use of energy.

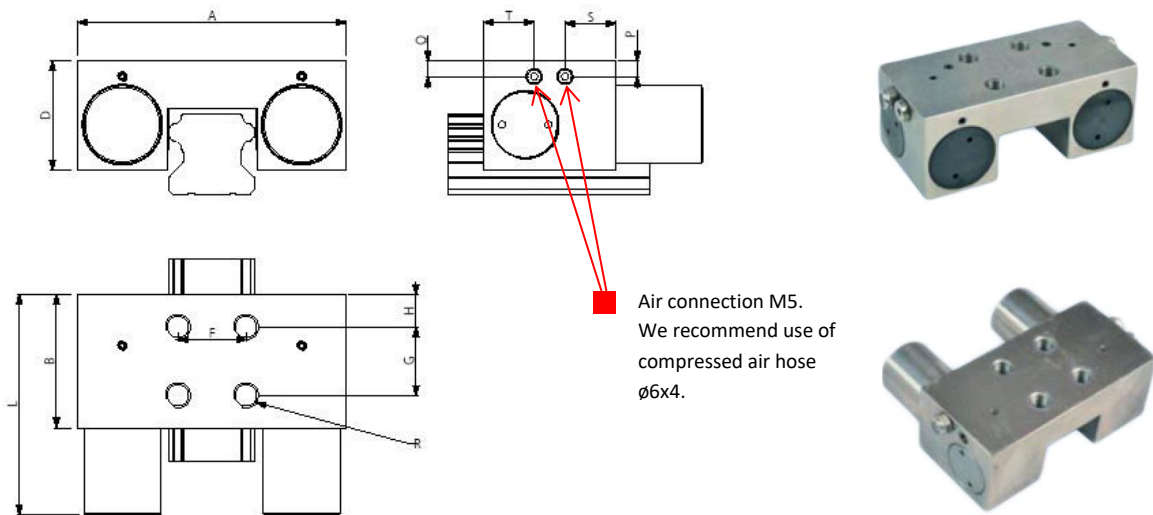
■ Przykład oznaczenia



FRC pneumatic clamping

How it works?

- The locking surface of the clamp is pressed against the guide by a double wedge mechanism. Clamping force is relieved through the system of the pre-tensioned springs.
- SE:** Normal Open (NO), closed by air / open without air. Clamp is locked when it is supplied with the air. The clamp is open when the air is cut off.
- DEM:** Normal Close (NC), the clamp is closed when the air is supplied to the spring / the clamp is open when the air is supplied. The spring pressure is supported with 5/2 distribution valve which increases 2,5 times the clamping force.



Type	Guide		Clamping force		A	B	C	D	E	F	G	H	L for (DEM)	M	N	P	Q	R
			SE	DEM														
			[N]															
FRC	T	15	650	1050	60	43	2,5	22	24	15	15	12,5	62	15,4	19	5	15	M4x5
FRC	T	20	1000	1600	70	39	2,5	26	28	20	20	14	62	21	23	5,5	5,5	M5x5
FRC	T	25	1200	1950	77	39	8	28	36	20	20	14	62	24	25	5,5	6	M6x8
FRC	T	30	1750	2800	87	43	7	35	42	22	22	10,5	71	29	28	5	5	M8x8
FRC	T	35	2000	3250	106	46	5,5	43	48	24	24	8	78	35	32	12	12	M8x15
FRC	T	45	2300	3800	120	50	8	52	60	26	26	12	82	46	32	8	15	M10x19

Table 1. Table of pneumatical clamping selection (dimensions in mm).

Click and check if the product is available at the Albeco e-shop.

Albeco Sp. z o.o.

ul. Południowa 71, 62-064 Plewiska

tel. +48 61 60 00 100

e-kontakt@albeco.com.pl

www.albeco.com.pl

facebook.com/Albecobearings

@Albeco_bearings

@Albecobearings