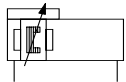


Pneumatic linear drives DGC-...-KF-RR-SA

Ø 12, 18, 25, 32, 40 mm, stroke 10 to 1000 mm

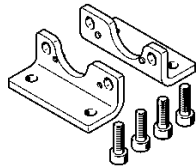
Cleanroom class ISO 5 (FS209E class 100)

Double acting, pneumatic linear drive units with slide, adjustable end-position cushioning and recirculating ball bearing guides
DGC-12-...-KF-YSR-A-RR-SA
DGC-...-KF-PPV-A-RR-SA

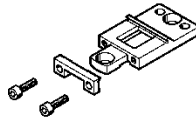


- Air connection options on 2 sides (on the end face or from the front)
- Proximity sensors can be integrated, therefore there is no protrusion. Cable can be guided through the slot behind a second sensor
- Profile mounting MUC remains on the base plate after the drive is dismantled. This means faster assembly and removal without repeat adjustment.
- Precision end-position adjustment 0 ... 25 mm per side
- Adjustable pneumatic end position cushioning

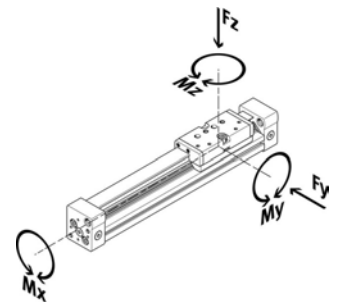
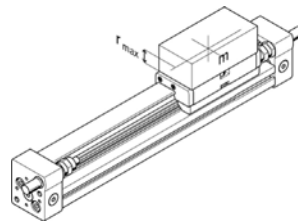
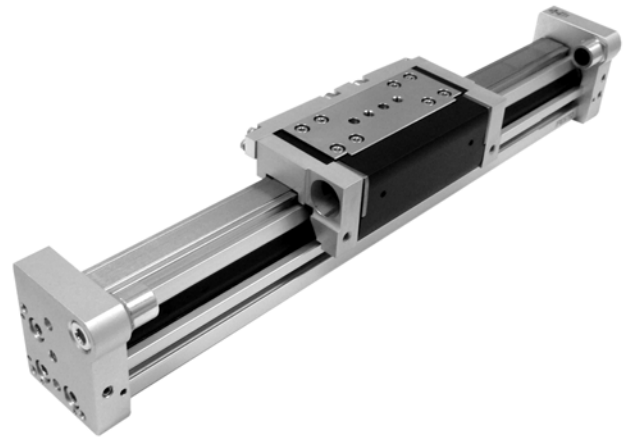
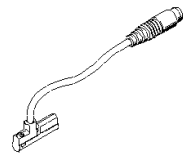
Accessories
 Foot mounting
 HPC-...



Profile mounting
 MUC-...



Proximity sensor for fitting in slot (Page 40)
 SME-10...



Order example:

Part no: 15083880
 Type: DGC-32-500-KF-PPV-A-RR-SA

Double acting linear drive, Ø 32 mm, stroke 500 mm, with build in adjustable end-position cushioning and recirculating ball bearing guides

Selection criteria:

Refer to DK1 (Electronic catalogue) or Volume 1 of Pneumatic Drives catalogue.

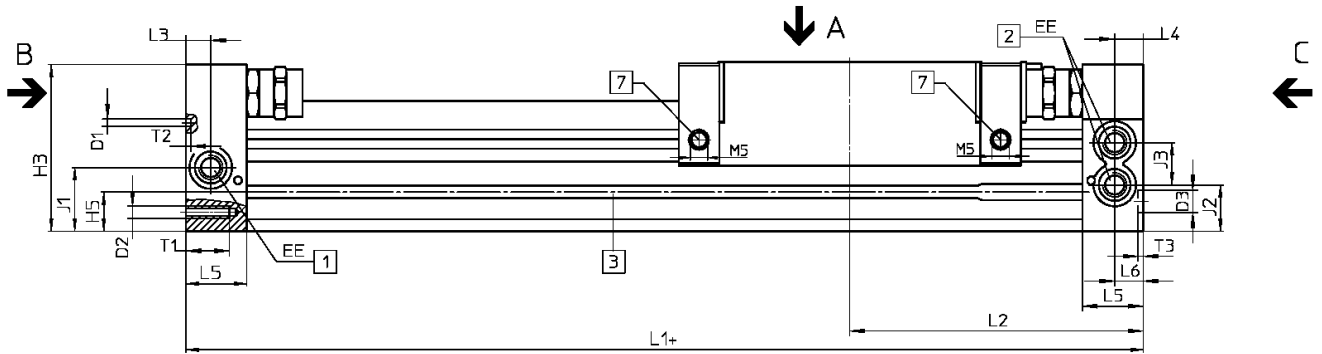
Piston Ø [mm]	Max. perm. applied load [m] in kg / at max. load distance [r] in mm [kg] / [mm]	Guide characteristics				
		Fy [N]	Fz [N]	Mx [Nm]	My [Nm]	Mz [Nm]
12	1.8 / 35	650	650	3.5	10	10
18	10 / 35	1850	1850	16	51	51
25	30 / 50	3050	3050	36	97	97
32	30 / 50	3310	3310	54	150	150
40	50 / 50	6890	6890	144	380	380

Type	Part No.	Piston Ø [mm]	Stroke [mm]	Theoretical force at 6 bar [N]	Cushioning length [mm]	Adjustable end position [mm]	Connection
DGC-12-...-KF-YSR-A-RR-SA	15083878	12	10...1000	68	Adjustable	0...10	M5
DGC-18-...-KF-PPV-A-RR-SA	15083814	18	10...1000	153	16.5	0...5	M5
DGC-25-...-KF-PPV-A-RR-SA	15083879	25	10...1000	295	15.5	0...2	G1/8
DGC-32-...-KF-PPV-A-RR-SA	15083880	32	10...1000	483	17.5	0...4	G1/8
DGC-40-...-KF-PPV-A-RR-SA	15083881	40	10...1000	754	29.5	0...5	G1/4

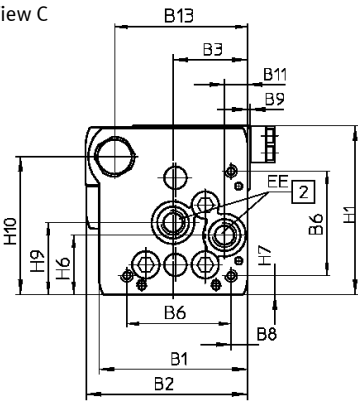
Pneumatic linear drives DGC...-KF-RR-SA

Ø 12, 18, 25, 32, 40 mm, stroke 10 to 1000 mm

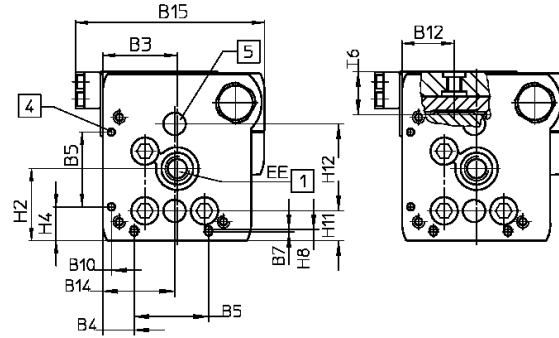
Cleanroom class ISO 5 (FS209E class 100)



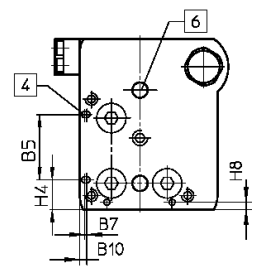
View C



View B: Dia 25, 32 and 40 mm



View B: Dia 18



Ø [mm]	B1	B2	B3 ± 0.05	B4 ± 0.1	B5 ± 0.05	B6 ± 0.1	B7	B8 ± 0.1	B9	B10	B11 ± 0.05	B12	B13 ± 0.1	B14 ± 0.05	B15
18	44.5	49.9	19.5	8.8	21	31	0.8	3.8	1	2.4	5.5	15.5	39	19.5	60
25	59.8	66	30	12.65	30	42	1	6.65	1	3.5	9.3	21	53	29	76
32	73	79	38.5	5.7	63.1	57.5	-	8.5	1.5	14	14.9	18	65	38.5	88.7
40	91	98.5	45	17.2	55	65	-	12.2	2	8	16.5	24.8	80.5	45	108.2

Ø [mm]	D1 ± 0.05	D2	D3 Ø H7	EE	H1	H2 ± 0.1	H3	H4 ± 0.1	H5	H6 ± 0.1	H7 ± 0.1	H8 ± 0.1	H9 ± 0.1	H10 ± 0.1	H11 ± 0.05
18	2	M4	5	M5	56.3	23.1	55	9.6	13.4	20	4.6	2.4	25.2	46	8.5
25	3	M5	9	G	68	29	67	13.65	15.8	24	7.65	4.5	29	55.5	12
32	3	M6	9	G	78.5	30	77	5.7	17	27.7	8.5	14	35.2	63.8	11.5
40	4	M6	9	G	99.5	41.5	97.5	17.2	25	36.5	12.2	8	44	81.5	15

Ø [mm]	H12 ± 0.05	J1 ± 0.1	J2 ± 0.1	J3 ± 0.1	L1 +0.9/-0.2	L2	L3	L4	L5	L6	T1	T2	T3 ± 0.2	T6
18	30	20	16.5	11	150	84.5	5.7	5.8	15	5.5	9	2	3.1	15
25	35	26.1	18.6	17	200	110	10.5	10.6	24.5	10.6	17.5	2	2.1	17.3
32	50	30	22	18.5	250	134.8	14.5	14.5	30.5	14.5	15	2	2.1	20
40	60	35	26	26	300	160	14.6	14.6	33.5	14.6	20	3	2.1	25.7