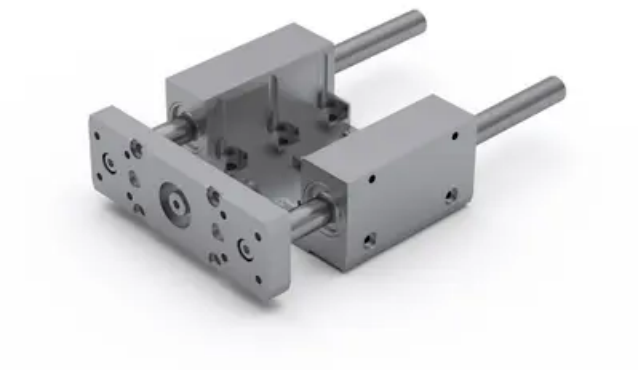
Guiding unit GUC

Dimensions in mm.

Mounting (on the MCE profile) screws and nuts are included. Guiding unit GUC requires a female thread on the piston rod end.

Material: Body and plate in anodized aluminium. Guides in hardened steel.



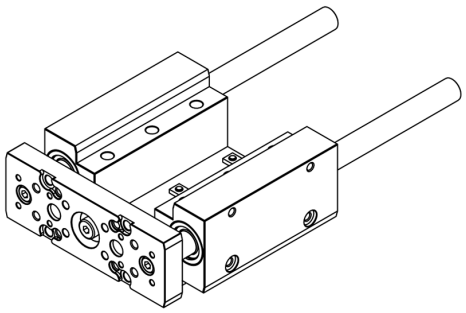
Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

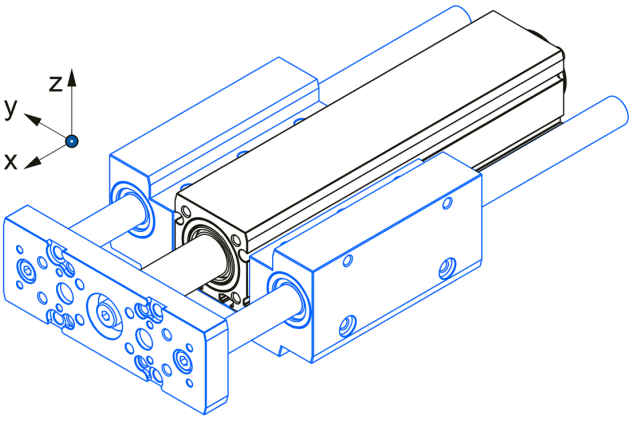
Displacement (friction) force

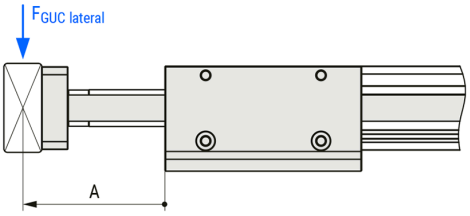
Designation	Displacement force [N] GUC with ball bushes
GUC 25	3
GUC 32	3
GUC 45	3

General Data

Maximum lateral loading (in y and z directions) as a function of a load position

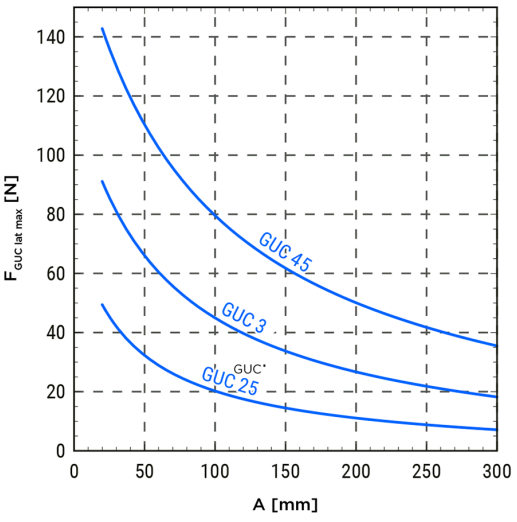






Moved mass of GUC is already considered in the equation for calculating the mass of GUC m_{GUC}

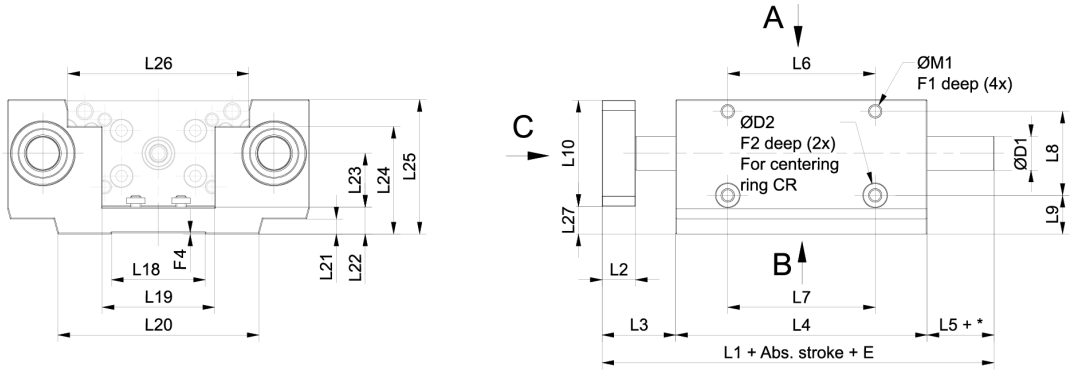
Abs. stroke	Absolute stroke [mm]
E	Extended piston rod [mm]



Designation	Compatible with	Mass of GUC mGUC (kg)	Moved Mass of GUC m mGUC (kg)	T1 (Nm)	T2 (Nm)
GUC 25	MCE 25	0.30 + 0.0008 × (Abs. stroke + E)	0.10 + 0.0008 × (Abs. stroke + E)	2.8	0.3
GUC 32	MCE 32	0.65 + 0.0013 × (Abs. stroke + E)	0.20 + 0.0013 × (Abs. stroke + E)	5.6	1.2
GUC 45	MCE 45	1.30 + 0.0018 × (Abs. stroke + E)	0.42 + 0.0018 × (Abs. stroke + E)	9.6	2.2

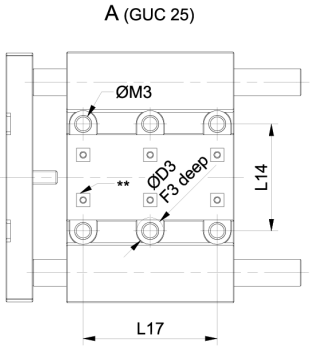
Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

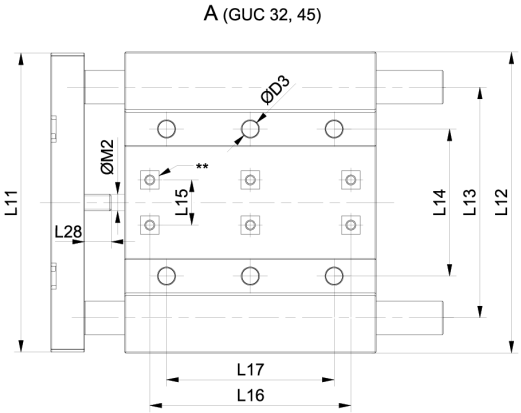
Dimensions

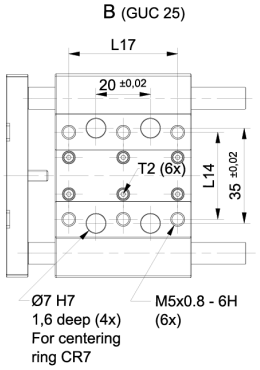


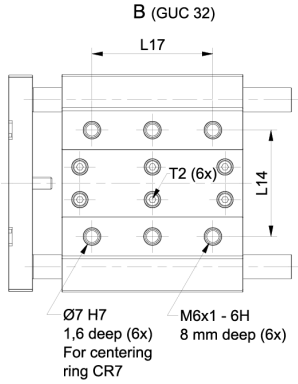
* ... + Abs. stroke + E

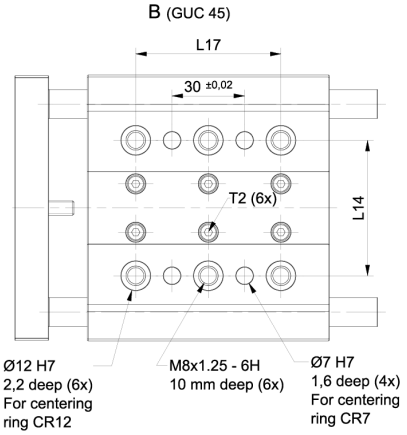
** MCE mounting nuts and screws (6x)



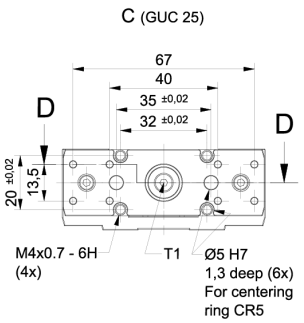


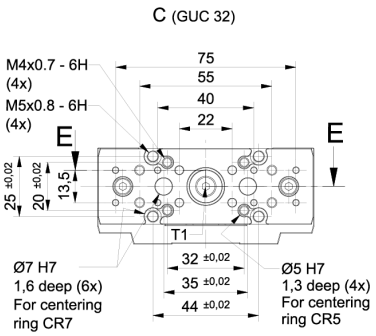


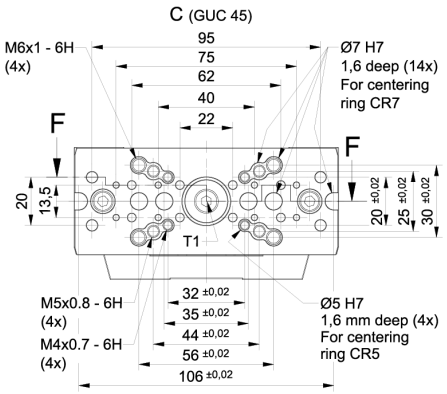


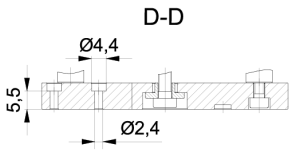


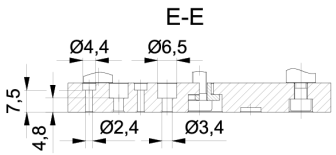
Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

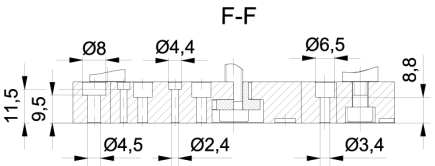












Designation	L1	L2	L3	L4	L5	L6	L7	L8	L9
GUC 25	88	8	18	50	20	32	32 (±0.02)	20	7.5
GUC 32	117	10	22	75	20	44	44 (±0.02)	25	11.5
GUC 45	150	14	30	100	20	56	56 (±0.02)	30	17.5

Designation	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19
GUC 25	24.5	74.5	75	57	32	13.5	40	40	19	25.5
GUC 32	31.5	89.5	90	69	44 (±0.02)	13.5	60	50 (±0.02)	28	33.5
GUC 45	44.5	109.5	110	86	56 (±0.02)	20	60	60 (±0.02)	38	46.5

Designation	L20	L21	L22	L23	L24	L25	L26	L27	L28	D1
GUC 25	45	1.5	5	12.5	12.5	30	39	5.25	7.3	8
GUC 32	60	4.5	8	16	32	40	54	8.25	8	10
GUC 45	80	10.5	10	22.5	47	55	67	10.25	10.5	12

Designation	D2	D3	M1	M2	M3	F1	F2	F3	F4
GUC 25	5 (H7)	8	M3	M4	M5	12	1.3	4.5	0.3
GUC 32	7 (H7)	5.1	M4	M5	-	12	1.6	-	0.3
GUC 45	7 (H7)	6.6	M5	M6	-	12	1.6	-	0.3

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.