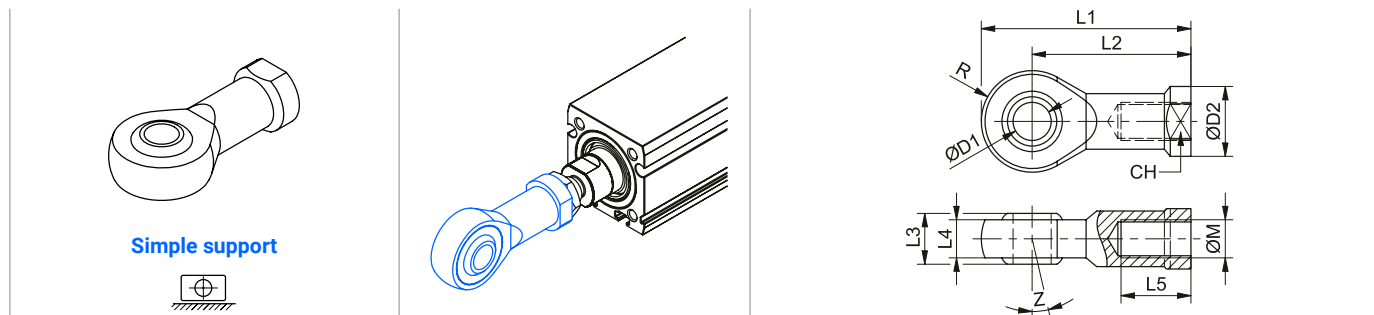


ROD EYE SGS

Material: galvanized steel

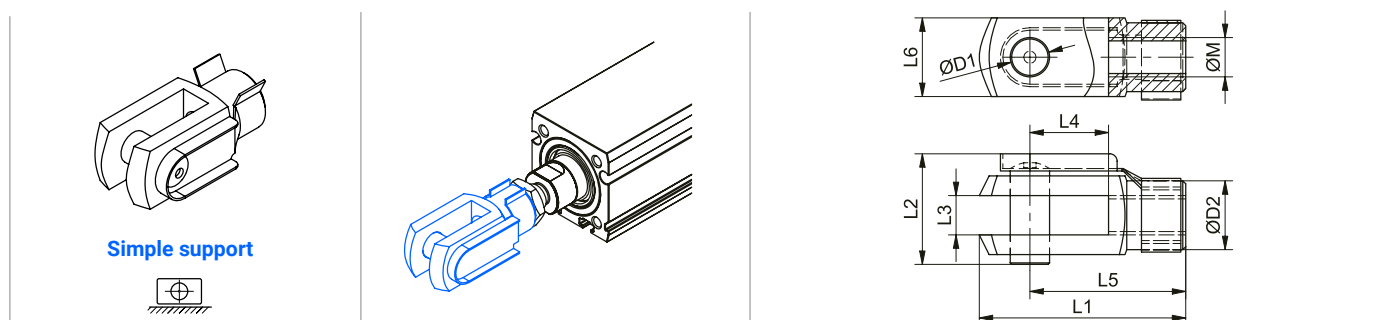


Dimensions and ordering codes

SGS		ØM	L1	L2	L3	L4	L5	ØD1 (H7)	ØD2	R	CH	Z	m	F _{max}
Size	Code	[mm]										[°]	[kg]	[N]
25	9215	M6	40	30	9	6,75	12	6	13	10	11	13	0,03	F _{MCE}
32	9216	M8	48	36	12	9,00	16	8	16	12	14	14	0,05	F _{MCE}
45	9206	M10x1,25	57	43	14	10,50	20	10	19	14	17	13	0,08	F _{MCE}

ROD CLEVIS SG

Material: galvanized steel

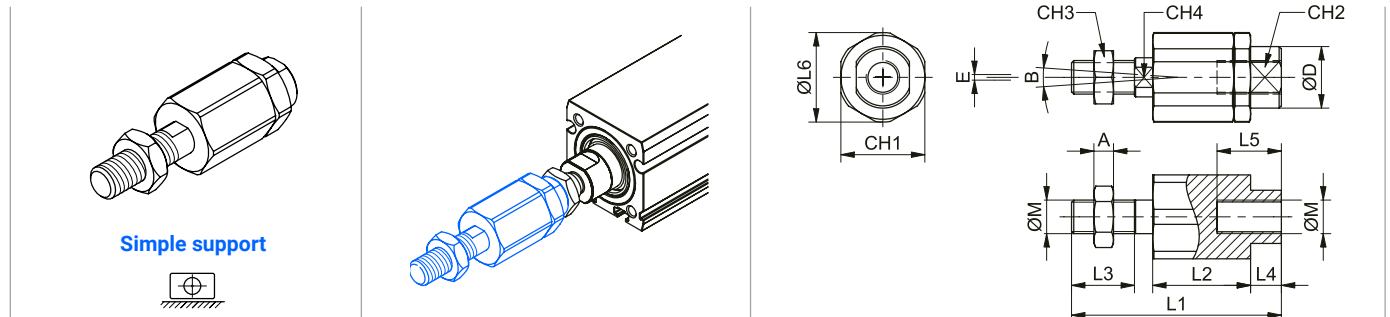


Dimensions and ordering codes

SG		ØM	L1 (±0,5)	L2	L3 (B13)	L4 (±0,5)	L5	L6 (h11)	ØD1 (H9)	ØD2	m	F _{max}
Size	Code	[mm]									[kg]	[N]
25	9196	M6	31	16	6	12	24	12	6	10	0,02	F _{MCE}
32	9197	M8	42	22	8	16	32	16	8	14	0,05	F _{MCE}
45	9186	M10x1,25	52	26	10	20	40	20	10	18	0,09	F _{MCE}

SELF-ALIGNING JOINT FK

Material: galvanized steel

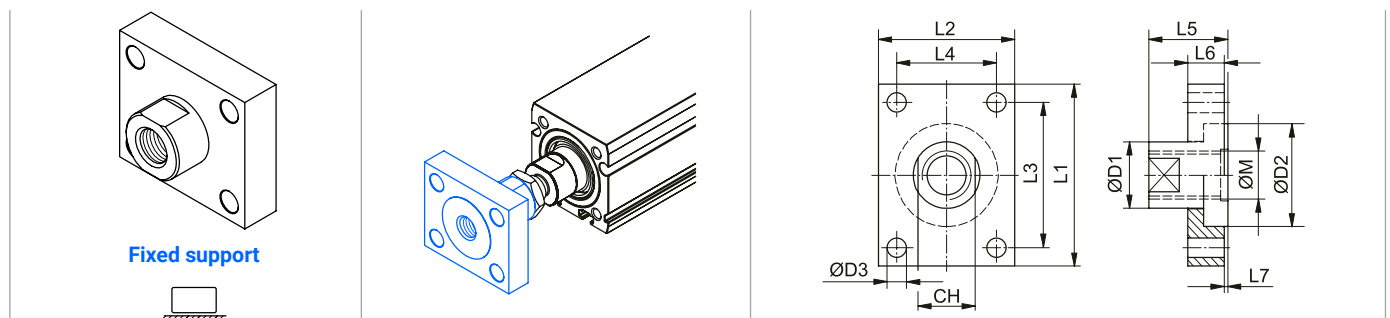


Dimensions and ordering codes

FK		ØM	L1	L2	L3	L4	L5	ØL6	A	ØD	CH1	CH2	CH3	CH4	E	B	m	F _{max}
Size	Code	[mm]														[°]	[kg]	[N]
25	5473	M6	35	17,5	11	4	12,5	14,5	4	8,5	13	7	10	5	1	6	0,03	F _{MCE}
32	5474	M8	57	26	21	5	16	19	5	12,5	17	11	13	7	2	8	0,06	F _{MCE}
45	5466	M10x1,25	71,5	35	20	9	22	32	6	22	30	19	17	12	2	8	0,22	F _{MCE}

COUPLING PIECE KSZ

Material: galvanized steel



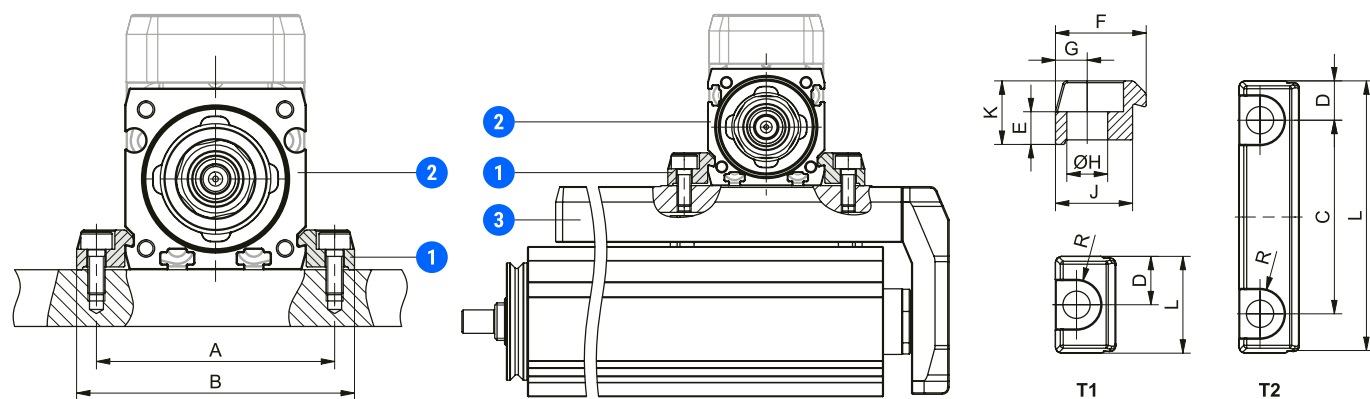
Dimensions and ordering codes

KSZ		ØM	L1	L2	L3	L4	L5	L6	L7 (min.)	ØD1	ØD2	ØD2 (H13)	CH	m	F _{max}
Size	Code	[mm]												[kg]	[N]
25	5227	M6	30	25	20	15	16	8	0,1	12 ^{-0,1}	18	5,5	10	0,05	F _{MCE}
32	5228	M8	35	30	25	20	22	8	0,1	14 ^{-0,1}	20	5,5	13	0,07	F _{MCE}
45	5229	M10 x 1,25	40	35	30	25	20	10	0,1	17 ^{-0,2}	26	5,5	15	0,11	F _{MCE}

CLAMPING FIXTURE

Mini electric cylinder and slider can be mounted by using the clamping fixtures which are placed in the slot on the side of the profile. Clamping fixtures can also be mounted to the slide of the mini electric sliders MSCE (e.i. for multi-axis systems).

Material: powder coated zinc alloy



- 1 – Clamping fixture
2 – Profile of the MCE/MSCE
3 – Slide of the MSCE

i The scale of the drawings may not be equal.

Dimensions and ordering codes

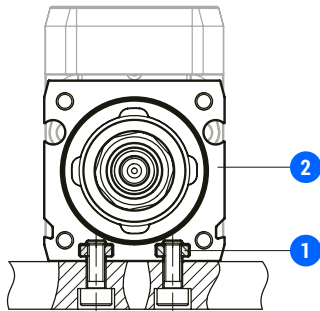
MCE/ MSCE	Clamping fixture			Mounting distance [mm]		Dimensions [mm]											Mounting to MSCE slide*	m [g]	Code
	For screw	Type	L [mm]	A (±0,1)	B	C	D	E	F	G	ØH	J	K	R	Countersink for	For MCE/ MSCE			
25	M3	T1	16	35	42	–	8	3,6	10	3,5	3,4	8,5	7	3,25	DIN 912	–	6	108216	
	M3	T2	32			22,5	4,75				3,4			3,25			12	108218	
	M4	T1	16			–	8	2,5			4,5			4			5	108217	
	M4	T2	45			32	6,5										16	108219	
32	M3	T1	16	42	49	–	8	3,6	10	3,5	3,4	8,5	7	3,25	DIN 912	25	6	108216	
	M3	T2	32			22,5	4,75				3,4			3,25			12	108218	
	M4	T1	16			–	8	2,5			4,5			4		–	5	108217	
	M4	T2	45			32	6,5										16	108219	
45	M3	T1	16	55	62	–	8	3,6	10	3,5	3,4	8,5	7	3,25	DIN 912	25	6	108216	
	M3	T2	32			22,5	4,75				3,4			3,25			12	108218	
	M4	T1	16			–	8	2,5			4,5			4		32	5	108217	
	M4	T2	45			32	6,5										16	108219	

* For more information, please refer to the section "Mounting examples".

SLOT NUT

Mini electric cylinder and slider can be mounted by using the slot nuts which are placed in the slots on the bottom side of the profile.

Material: galvanized steel



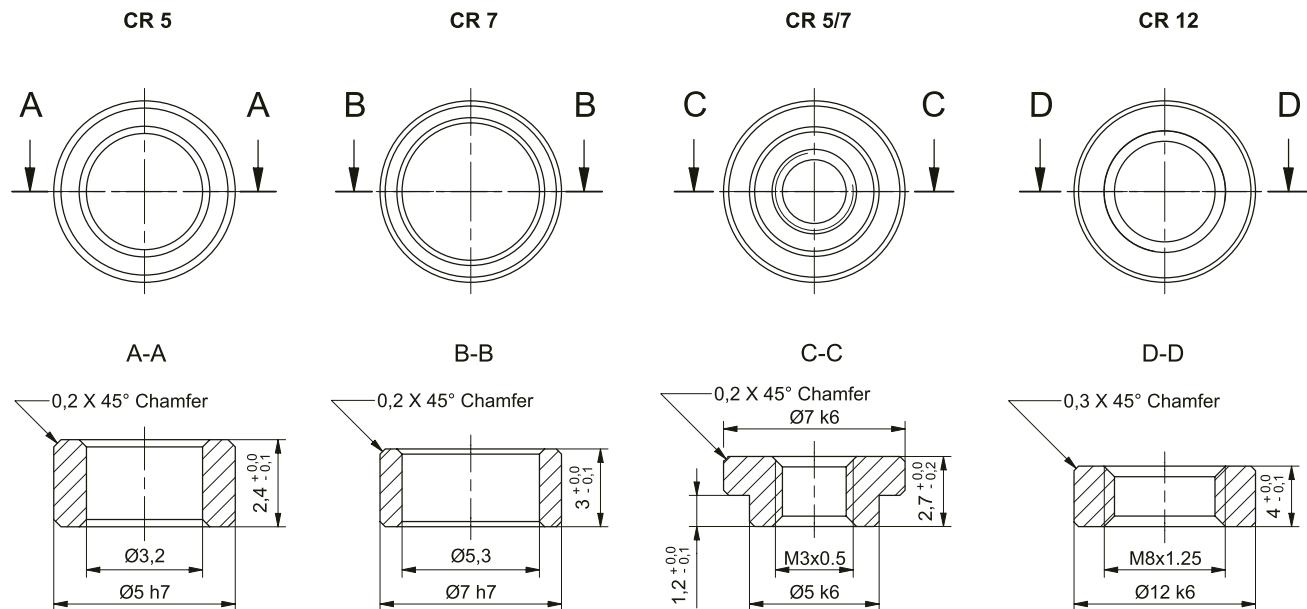
1 – Slot nut
2 – Profile of the MCE/MSCE

Nut types and ordering codes

MCE/MSCE	Nut type	m [g]	Code
25	DIN562 – M2	0,013	107082
32	DIN562 – M3	0,035	37303
45	DIN562 – M4	0,064	40682

CENTERING RING

Material: stainless steel



i The scale of the drawings may not be equal.

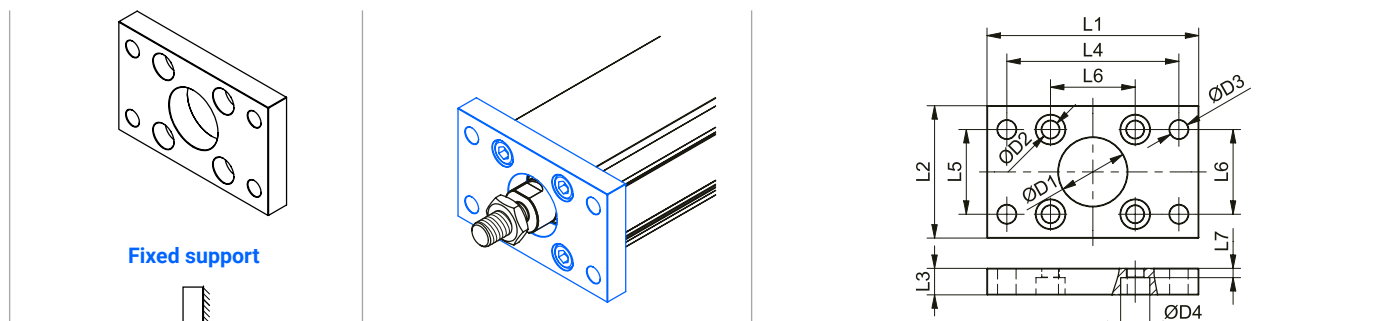
Ordering codes

CR	m [g]	Code
5	0,2	107094
7	0,4	23332
5/7	0,5	107095
12	2,4	49049

FLANGE MOUNTING MAFL

Material: anodized aluminium

i Mounting screws are included.



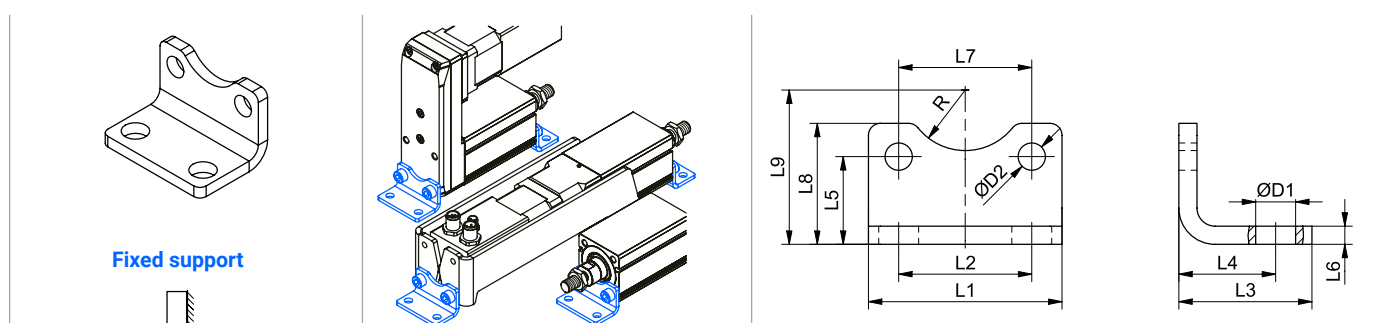
Dimensions and ordering codes

MAFL		L1	L2	L3	L4	L5	L6	L7	ØD1	ØD2	ØD3	ØD4	m	F _{max}
Size	Code	[mm]											[kg]	[N]
25	108624	55	29	8	43	–	21	5,1	18	2,9	5,5	5,5	0,03	F _{MCE}
32	108625	70	36	10	55	–	22	5,5	20	4,5	6,5	8,0	0,06	F _{MCE}
45	108626	80	50	10	65	32	32	3,5	26	6,6	7,0	11,0	0,11	F _{MCE}

FOOT MOUNTING MAHP

Material: stainless steel

i Set contains 2 pcs (i.e. for both front and rear mounting). Mounting screws are included.



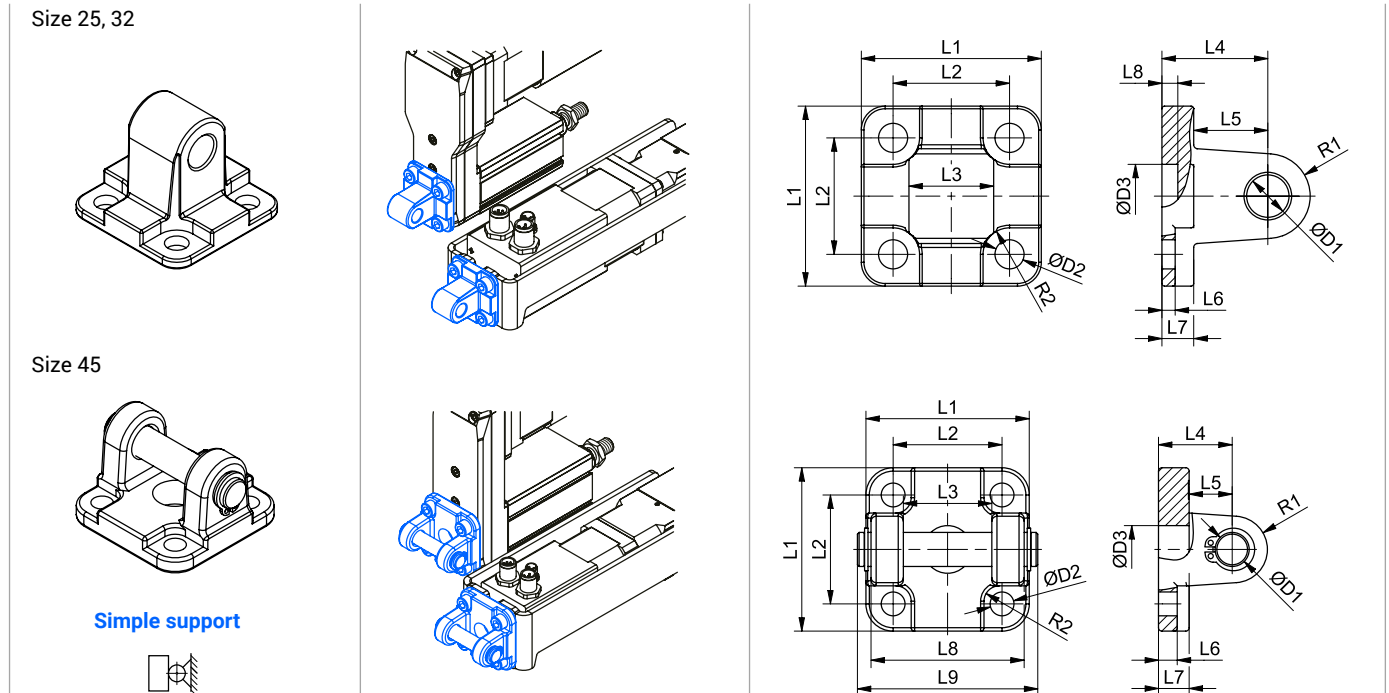
Dimensions and ordering codes

MAHP		L1	L2	L3	L4	L5		L6	L7		L8	L9	ØD1	ØD2		R	m	F _{max}
						Front	Rear		Front	Rear				Front	Rear			
Size	Code	[mm]															[kg]	[N]
25	108253	25	18	17,5	13	11,5	13	3	21	18	17,5	22,0	5,5	2,8	4,5	9	0,04	F _{MCE}
32	108254	32	22	22,0	16	14,5		3	22		20,0	25,5	6,6	4,5	5,5	10	0,06	F _{MCE}
45	108255	45	32	26,0	18	16		3	32		24,0	32,0	6,6	6,6		13	0,11	F _{MCE}

SWIVEL/CLEVIS MOUNT MASU

Material: aluminium, MASU 45 – aluminium + galvanized steel

i Mounting screws are included.

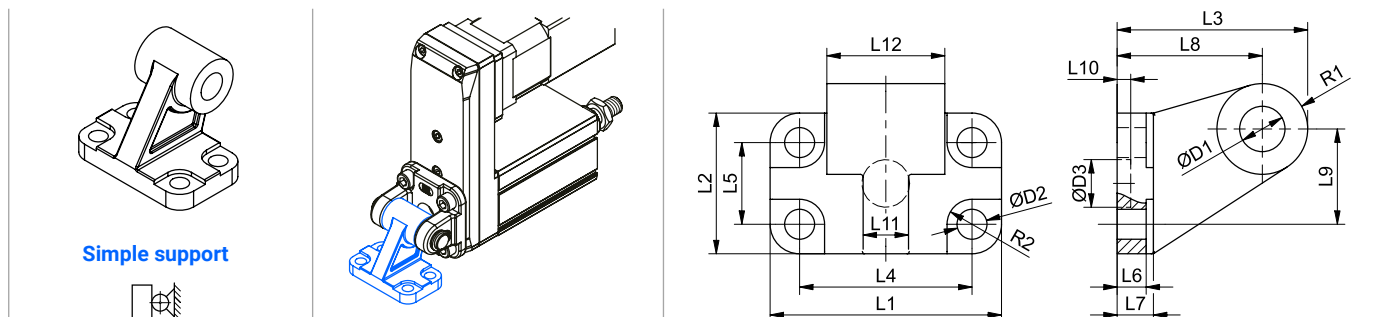


Dimensions and ordering codes

MASU		L1 (±0,2)	L2	L3	L4 (±0,2)	L5	L6	L7	L8	L9	R1	R2	ØD1	ØD2	ØD3 (H11)	m	F _{max}
Size	Code	[mm]														[kg]	[N]
25	108243	27	18	12	16	10	2,6	6	3	–	6	4,5	6	4,5	10	0,02	F _{MCE}
32	108244	34	22	16	20	14	2,6	6	3	–	8	5,0	8	5,5	12	0,03	F _{MCE}
45	108245	48	32	26	22	13	5,5	9	45	53	10	5,5	10	6,6	14	0,12	F _{MCE}

SWIVEL FOOT MOUNTING MLG

Material: aluminium

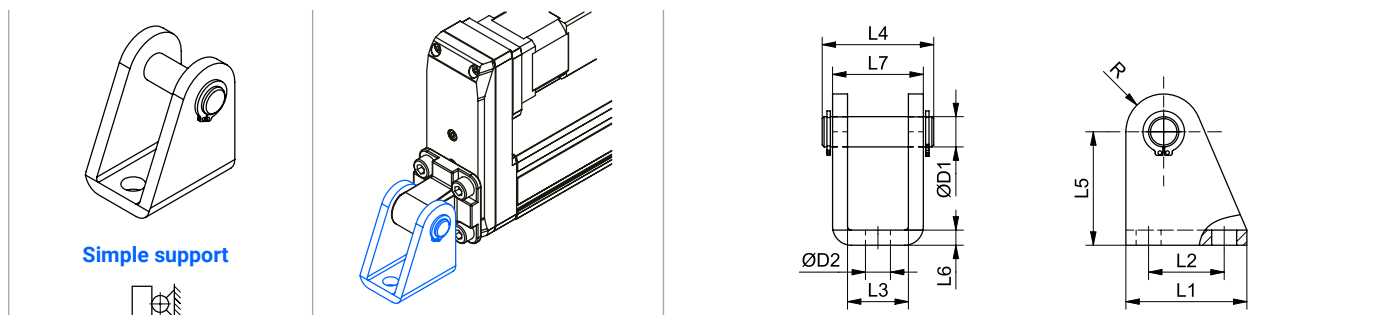


Dimensions and ordering codes

MLG		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10 (+0,5/0)		L11	L12	ØD1 (H9)	ØD2 (H13)	ØD3 (+0,5/0)	R1	R2	m	F _{max}
Size	Code	[mm]																		[kg]	[N]
45	108233	51	31	42	38	18	6,4	8	32	21	3		10	26	10	6,6	10,5	10	5,5	0,08	F _{MCE}

CLEVIS FOOT MOUNTING MLBU

Material: galvanized steel



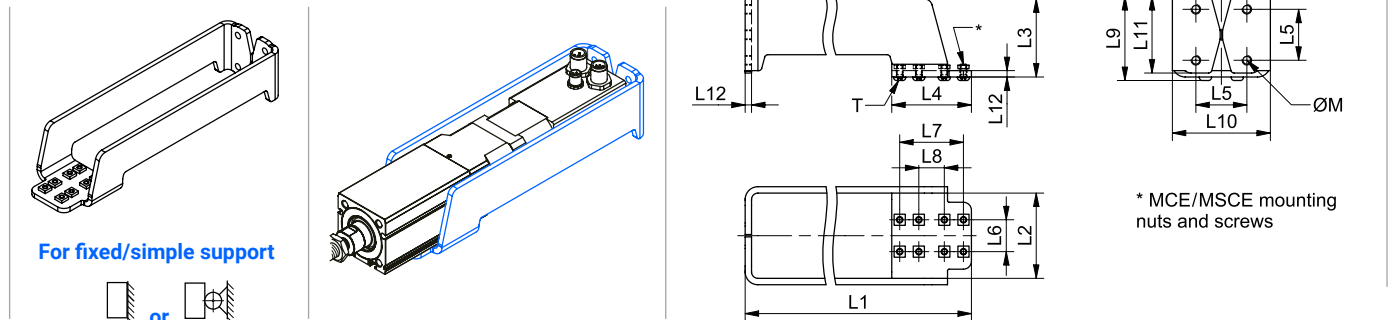
Dimensions and ordering codes

MLBU		L1	L2	L3	L4 (+0,3/0)	L5 (±0,2)	L6 (±0,2)	L7	ØD1 (f7)	ØD2	R	m	F _{max}
Size	Code	[mm]										[kg]	[N]
25	108227	25	15	12,1	23,0	27	3	18	6	5,5	7	0,04	F _{MCE}
32	108226	32	20	16,1	29,5	30	4	24	8	6,6	10	0,08	F _{MCE}

BACK MOUNT ABM

Material: stainless steel

i Mounting screws and nuts are included.



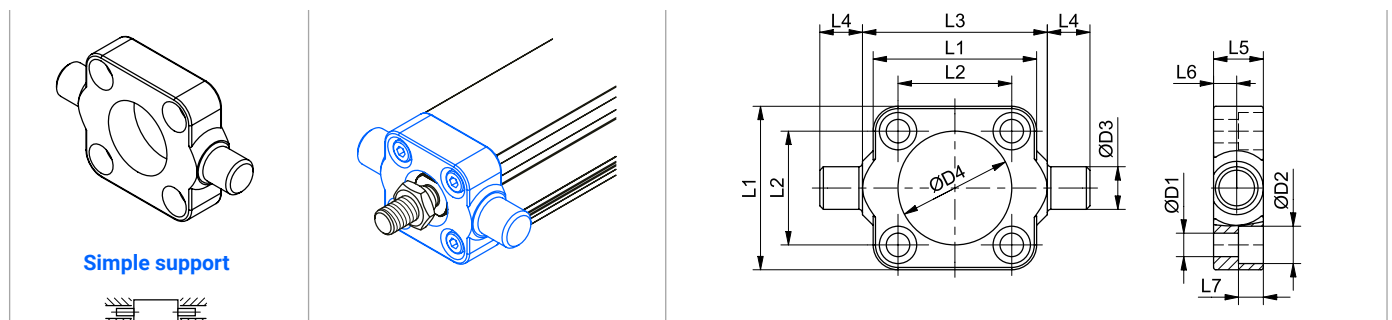
Dimensions and ordering codes

ABM			Compatibility (motor)		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	ØM	T	m	F _{max}
Size	Type	Code	Type	Size □ [mm]	[mm]												[Nm]	[kg]	[N]	
25	T1	108239	Stepper	28	165	30,5	27,5	35	18	13,5	28	12	29,8	35,5	27	2,5	M4	0,3	0,14	F _{MCE}
32	T1	108237		28	170	38,5	35,0	40	22	13,5	28	12	37,7	44,5	34	3,0	M5	1,2	0,24	F _{MCE}
	T2	108238		42	200	46,0								52,0					0,29	F _{MCE}
45	T1	108235		42	210	53,5	49,0	50	32	20,0	40	16	52,7	61,5	48	4,0	M6	2,2	0,62	F _{MCE}
	T2	105320		56	245	64,9								72,9					0,72	F _{MCE}

TRUNNION MOUNT MZK

Material: galvanized steel

i Mounting screws are included.



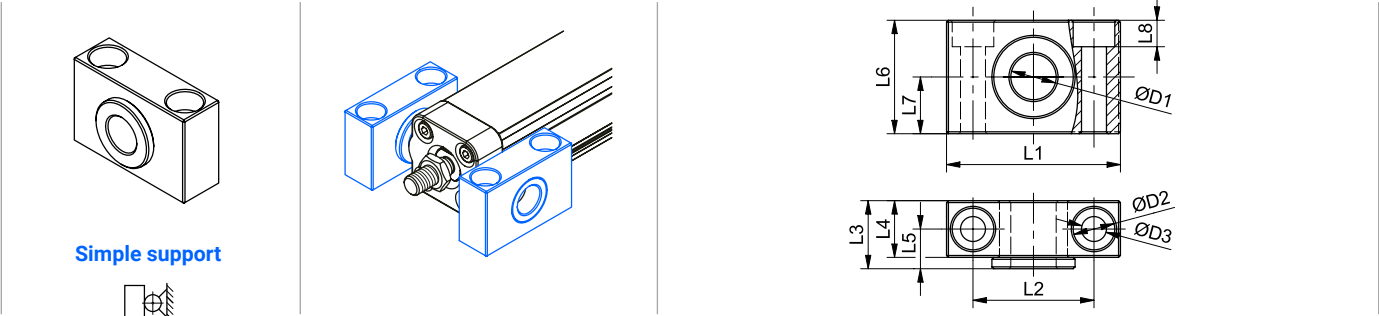
Dimensions and ordering codes

MZK		L1	L2	L3 (h14)	L4 (h14)	L5	L6 (+0,3/0)	L7 (±0,2)	ØD1	ØD2	ØD3 (e9)	ØD4	m	F _{max}
Size	Code	[mm]											[kg]	[N]
32	108230	35	22	38	12	14	6,5	6	5,5	10,0	12	18	0,12	F _{MCE}
45	108231	46	32	52	12	14	6,5	7	6,6	10,5	12	32	0,17	F _{MCE}

TRUNNION SUPPORT MLZ

Material: galvanized steel + sinterized bronze

i Set contains 2 pcs.



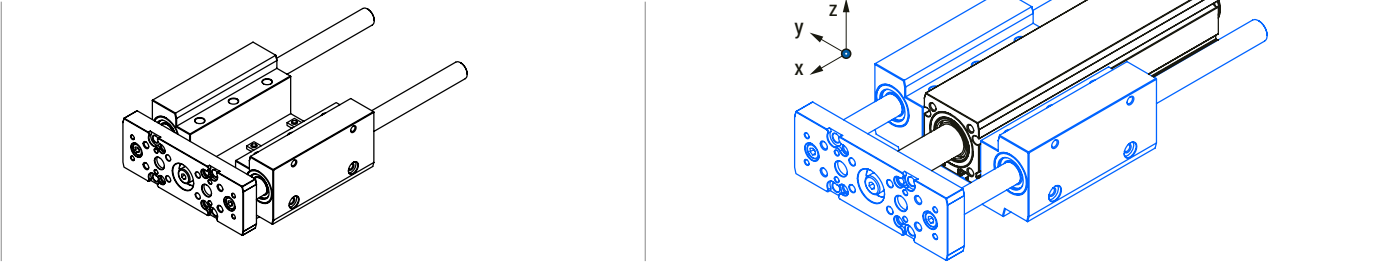
Dimensions and ordering codes

MLZ		L1	L2 (±0,2)	L3	L4	L5	L6	L7 (±0,1)	L8 (±0,5)	ØD1 (F7)	ØD2	ØD3	m	F _{max}
Size	Code	[mm]											[kg]	[N]
32/45	108234	46	32	18	15	10,5	30	15	7	12	11	6,6	0,2	F _{MCE}

GUIDING UNIT GUC

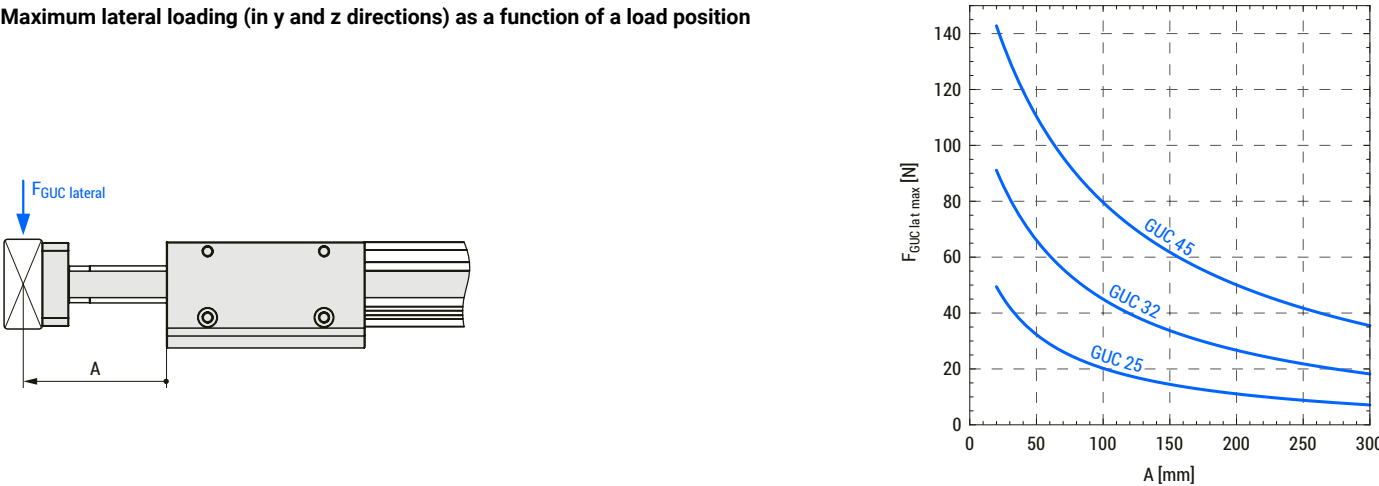
Material: body and plate – anodized aluminium, guides – hardened steel

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



Technical data

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



Mass and moved mass

GUC	Mass of GUC	Moved mass of GUC*
	m_{GUC} [kg]	$m_{m, GUC}$ [kg]
25	$0,30 + 0,0008 \times (\text{Abs. stroke} + E)$	$0,10 + 0,0008 \times (\text{Abs. stroke} + E)$
32	$0,65 + 0,0013 \times (\text{Abs. stroke} + E)$	$0,20 + 0,0013 \times (\text{Abs. stroke} + E)$
45	$1,30 + 0,0018 \times (\text{Abs. stroke} + E)$	$0,42 + 0,0018 \times (\text{Abs. stroke} + E)$

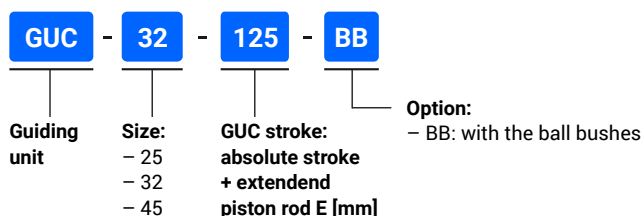
* Moved mass of GUC is already considered in the equation for calculating the mass of GUC m_{GUC} .

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

Displacement (friction) force

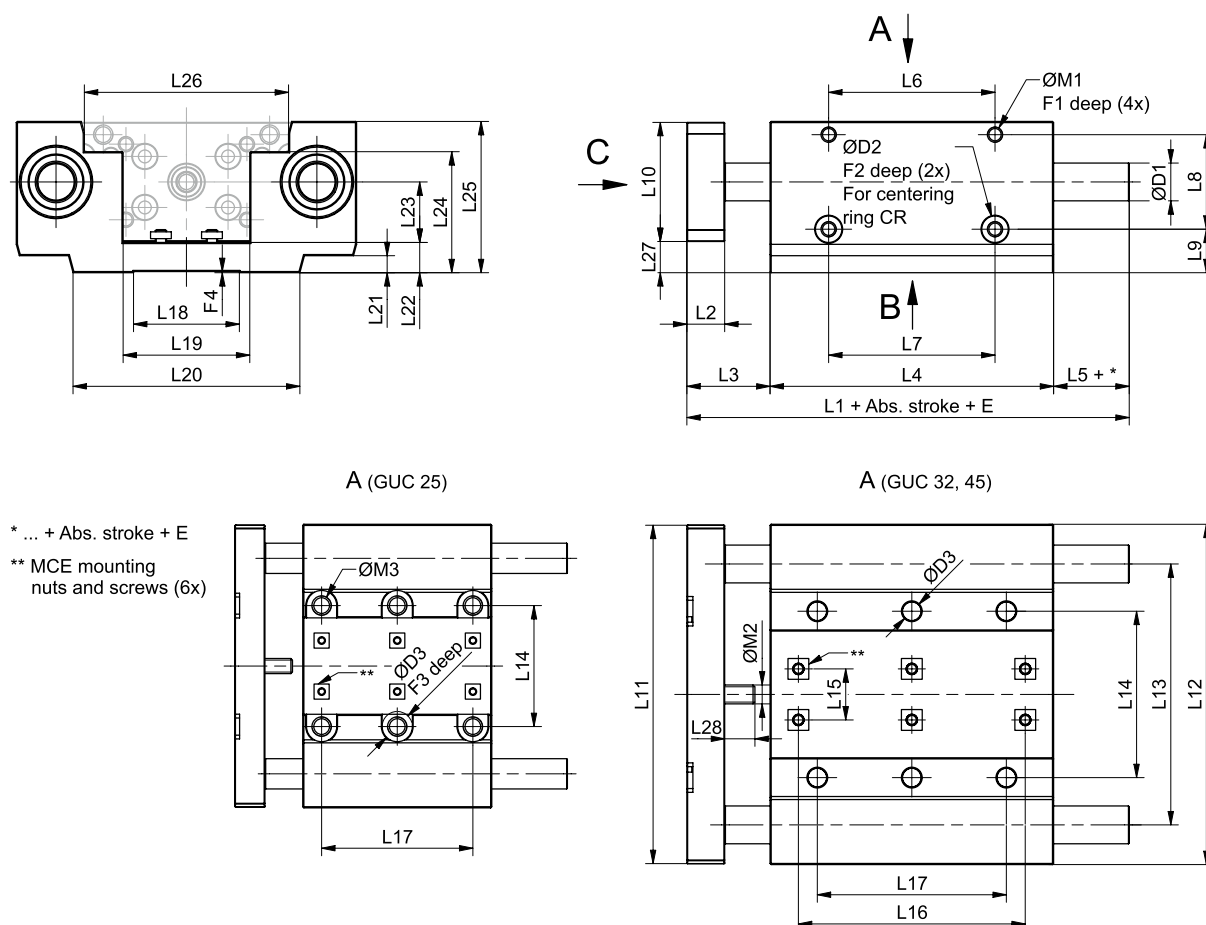
GUC	Displacement force [N]
	GUC with ball bushes
25	3
32	3
45	3

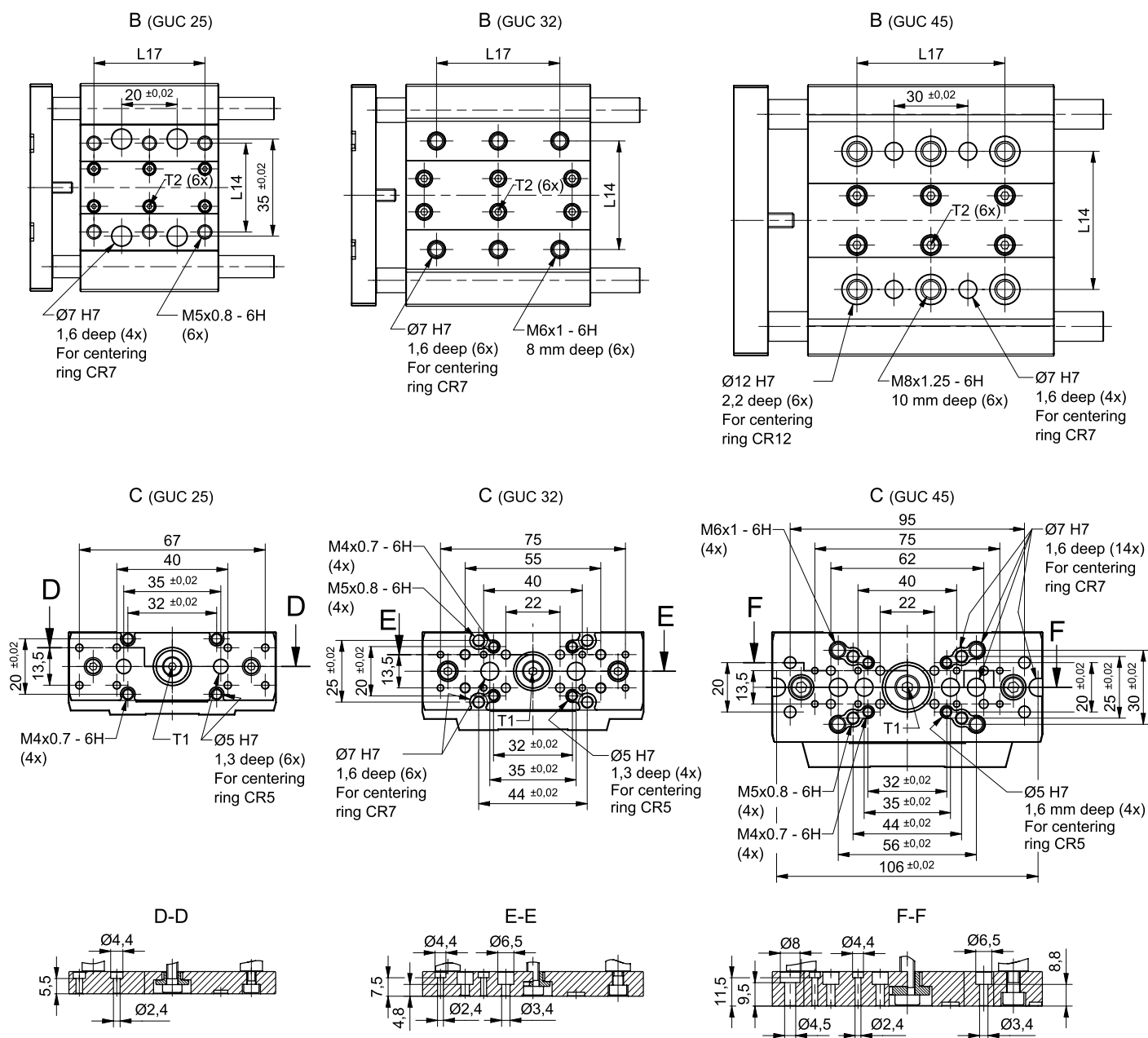
How to order



i GUC stroke: absolute stroke + extended piston rod E = max. 300 mm.
For the guiding unit stroke over 300 mm, please contact us.

Dimensions





GUC	L1	L2	L3	L4	L5	L6	L7 (±0,02)	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
	[mm]																			
25	88	8	18	50	20	32	32	20	7,5	24,5	74,5	75	57	32	13,5	40	40	19	25,5	45
32	117	10	22	75	20	44	44	25	11,5	31,5	89,5	90	69	44 ± 0,02	13,5	60	50 ± 0,02	28	33,5	60
45	150	14	30	100	20	56	56	30	17,5	44,5	109,5	110	86	56 ± 0,02	20,0	60	60 ± 0,02	38	46,5	80

GUC	L21	L22	L23	L24	L25	L26	L27	L28	F1	F2	F3	F4	ØD1	ØD2 (H7)	ØD3	ØM1	ØM2	ØM3	T1	T2
	[mm]																		[Nm]	
25	1,5	5	12,5	12,5	30	39	5,25	7,3	12	1,3	4,5	0,3	8	5	8,0	M3	M4	M5	2,8	0,3
32	4,5	8	16,0	32,0	40	54	8,25	8,0	12	1,6	—	0,3	10	7	5,1	M4	M5	—	5,6	1,2
45	10,5	10	22,5	47,0	55	67	10,25	10,5	12	1,6	—	0,3	12	7	6,6	M5	M6	—	9,6	2,2