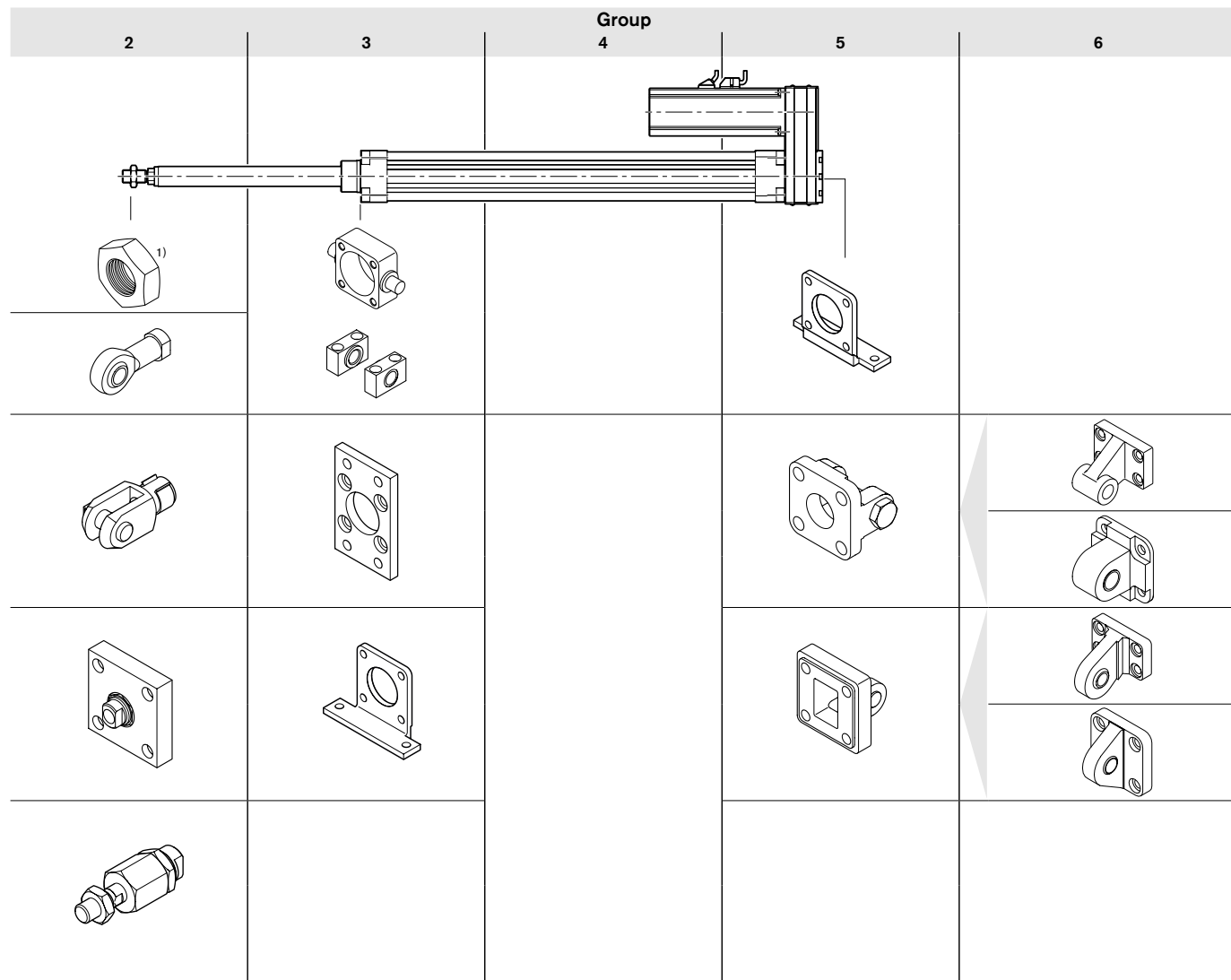


Mounting Elements

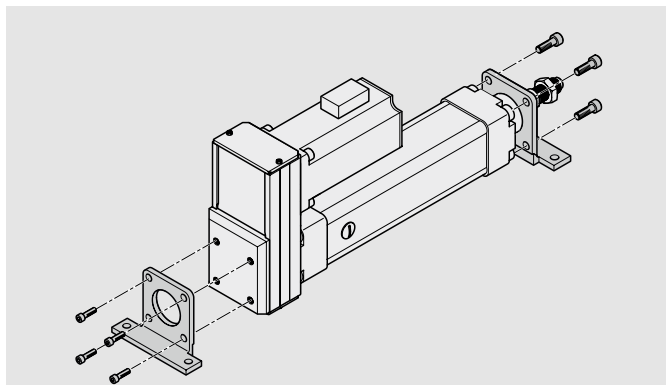
For EMC with belt side drive and motor



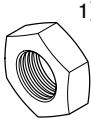
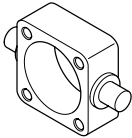
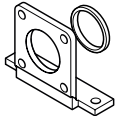
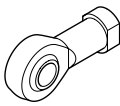
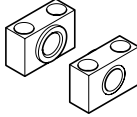
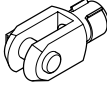
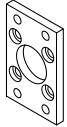
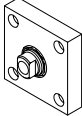
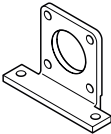
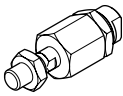
1) Nut is included in the scope of delivery. Can be ordered as an accessory.

Attaching the mounting elements

Mounting elements are attached at the rear end of the belt drive. The screws are included in the delivery of the mounting elements.



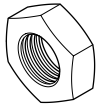
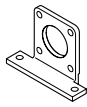
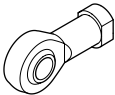
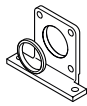
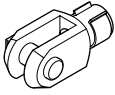
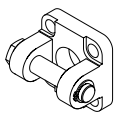
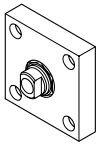
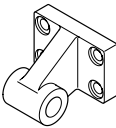
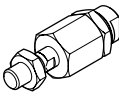
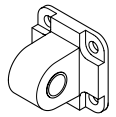
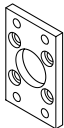
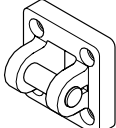
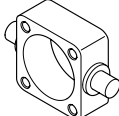
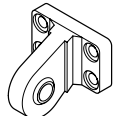
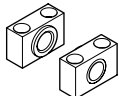
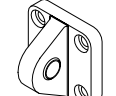
For EMC with motor mount and motor

Group				
2	3	4	5	
 <p>1)</p>				
				
				
				
				

1) Nut is included in the scope of delivery. Can be ordered as an accessory.

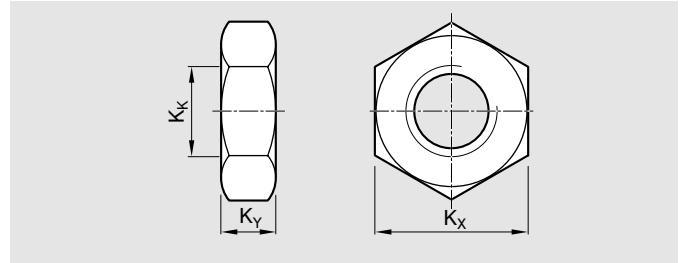
Mounting Elements

Part numbers – for re-ordering single parts

Group	Description	Size	Part number	Group	Description	Size	Part number
2	Nut 	32	R021U90014	3, 5	Foot mount For mounting to EMC head and end cap for motor attachment via timing belt side drive (RV01) 	32	R1561 1B1 01
		40	R021U90015			40	R1561 2B1 01
		50	R021U90016			50	R1561 3B1 01
		63				63	R1561 4B1 01
		80	R021U90017			80	R1561 5B1 01
		100				100	R1561 6B1 01
2	Female spherical rod end bearing 	32	R021U90018	5	Foot mount For mounting to EMC end cap for motor attachment via motor mount and coupling (MF01) 	32	R1561 1B1 02
		40	R021U90001			40	R1561 2B1 02
		50	R021U90019			50	R1561 3B1 02
		63				63	R1561 4B1 02
		80	R021U90006			80	R1561 5B1 02
		100				100	R1561 6B1 02
2	Female clevis 	32	R021U90020	5	Clevis mount, Delivery incl. pivot pin 	32	R021U90045
		40	R021U90021			40	R021U90046
		50	R021U90022			50	R021U90047
		63				63	R021U90048
		80	R021U90023			80	R021U90049
		100				100	R021U90050
2	Flexible coupling with mounting plate 	32	R021U90024	6	Bearing block 	32	R021U90057
		40	R021U90025			40	R021U90058
		50	R021U90005			50	R021U90059
		63				63	R021U90060
		80	R021U90026			80	R021U90061
		100				100	R021U90062
2	Flexible coupling 	32	R021U90009	6	Swivel mount 	32	R021U90063
		40	R021U90003			40	R021U90064
		50	R021U90027			50	R021U90065
		63				63	R021U90066
		80	R021U90008			80	R021U90067
		100				100	R021U90068
3	Flange mount 	32	R021U90035	5	Clevis mount, for swivel bearing Delivery incl. pivot pin 	32	R021U90069
		40	R021U90007			40	R021U90070
		50	R021U90036			50	R021U90071
		63	R021U90037			63	R021U90072
		80	R1561 5A0 02			80	R021U90073
		100	R1561 6A0 02			100	R021U90074
3	Trunnion for rod end cover 	32	R021U90028	6	Swivel bearing, high 	32	R021U90075
		40	R021U90002			40	R021U90076
		50	R021U90029			50	R021U90077
		63	R021U90030			63	R021U90078
		80	R1561 5A0 01			80	R021U90079
		100	R1561 6A0 01			100	R021U90080
3	Bearing for trunnion, metal 	32	R021U90031	6	Swivel bearing 	32	R021U90081
		40	R021U90032			40	R021U90082
		50				50	R021U90083
		63	R021U90033			63	R021U90084
		80				80	R021U90085
		100	R021U90034			100	R021U90086

Dimensions

Nut

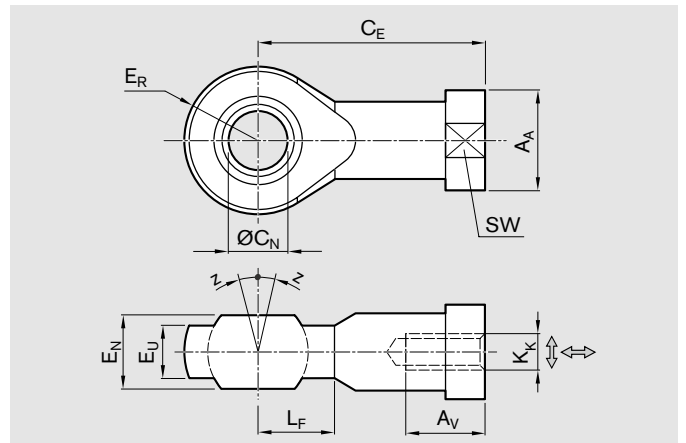


Material: galvanized steel

EMC size	Part number	Order quantity	Dimensions (mm)			Weight (kg)
			K_K	K_X	K_Y	
32	R021U90014	50	M10x1.25	17	6	0.010
40	R021U90015	50	M12x1.25	19	7	0.012
50	R021U90016	25	M16x1.5	24	8	0.017
63						
80	R021U90017	25	M20x1.5	30	10	0.030
100						

(One unit provided in delivery scope of EMC.)

Female spherical rod end bearing



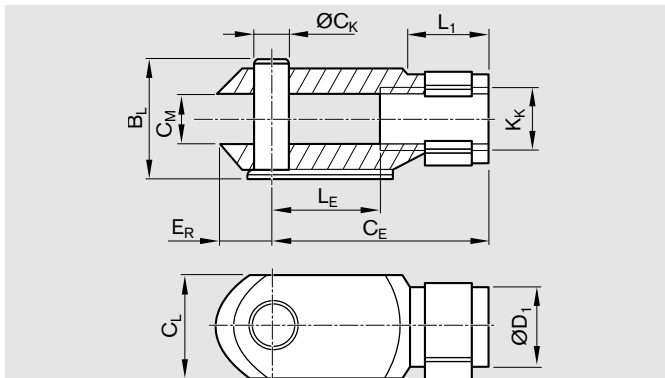
Material: galvanized steel

EMC size	Part number	Dimensions (mm)											Weight (kg)
		A_A	A_V min.	C_E	$\varnothing C_N$ H7	$E_N -0.1$	E_R	E_U max.	K_K	L_F	SW	Z (°)	
32	R021U90018	19	15	43	10	14	14	11.5	M10x1.25	14	17	4	0.070
40	R021U90001	22	18	50	12	16	16	12.5	M12x1.25	16	19	4	0.105
50	R021U90019	27	24	64	16	21	21	15.5	M16x1.5	21	22	4	0.210
63													
80	R021U90006	34	30	77	20	25	25	18.5	M20x1.5	25	30	4	0.380
100													

SW = width across flats

Mounting Elements

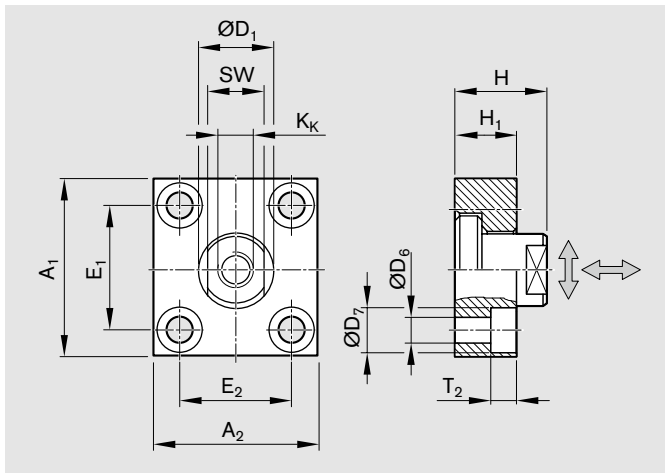
Female clevis



Material: galvanized steel

EMC size	Part number	Dimensions (mm)										Weight (kg)
		B _L	C _E	ØC _K e11	C _L	C _M	ØD ₁	E _R	K _K	L ₁	L _E	
32	R021U90020	26	40	10	20	10	18	12	M10x1.25	15	20	0.100
40	R021U90021	31	48	12	24	12	20	14	M12x1.25	18	24	0.154
50	R021U90022	39	64	16	32	16	26	19	M16x1.5	24	32	0.352
63												
80	R021U90023	50	80	20	40	20	34	20	M20x1.5	30	40	0.700
100												

Flexible coupling with mounting plate



Material: galvanized steel

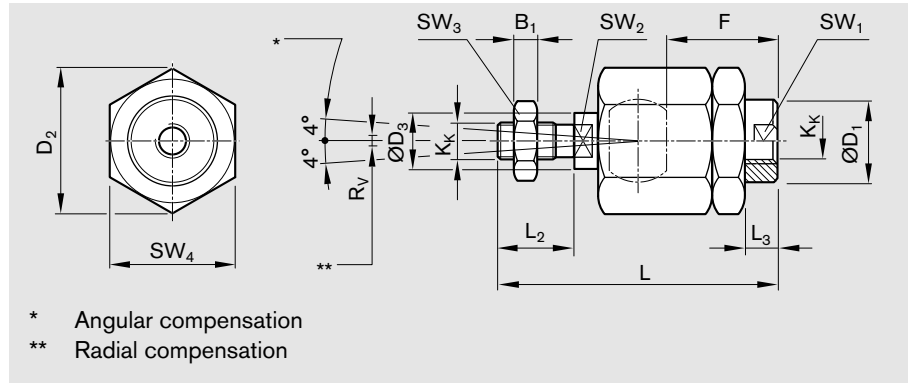
EMC size	Part number	Dimensions (mm)												Weight (kg)
		A ₁	A ₂	ØD ₁ H11	ØD ₆ H13	ØD ₇ H13	E ₁ H13	E ₂	H ₁	H	K _K	T ₂	SW	
32	R021U90024	60	37	20	6.6	11	36±0.15	23±0.15	15	24	M10x1.25	7	17	0.30
40	R021U90025	60	56	25	9.0	15	42±0.20	38±0.20	20	30	M12x1.25	9	19	0.40
50	R021U90005	80	80	30	11.0	18	58±0.20	58±0.20	20	32	M16x1.5	11	24	0.90
63														
80	R021U90026	90	90	40	14.0	20	65±0.30	65±0.30	20	35	M20x1.5	13	36	1.15
100														

↔ Axial backlash of 0.4 to 0.8 mm

↕ Radial clearance 2 ±0.13 mm

SW = width across flats

Flexible coupling



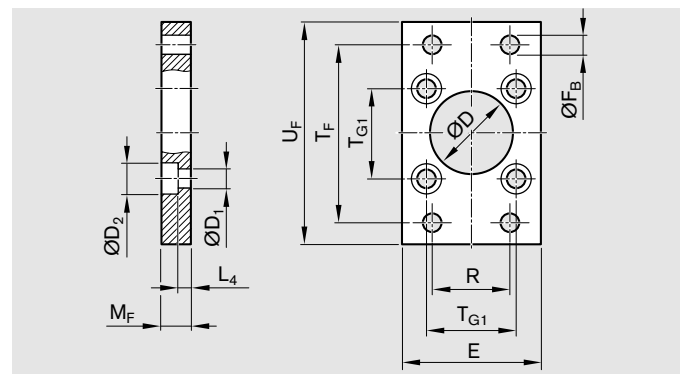
Material: galvanized steel

EMC size	Part number	Dimensions (mm)														Weight (kg)
		B ₁	ØD ₁	D ₂	ØD ₃	F	K _k	L ±2	L ₂	L ₃ ±1	SW ₁	SW ₂	SW ₃	SW ₄	R _v	
32	R021U90009	6	21.5	34	14	23	M10x1.25	73	20	7.5	19	12	17	30	0.7	0.21
40	R021U90003	7	21.5	34	14	28	M12x1.25	77	24	13.0	19	12	19	30	0.7	0.21
50	R021U90027	8	33.5	47	22	32	M16x1.5	108	32	9.0	30	19	24	41	1.0	0.65
63																
80	R021U90008	10	33.5	47	22	42	M20x1.5	122	40	19.0	30	19	30	41	1.0	0.68
100																

SW = width across flats

- For mounting to the piston rod end:
- self-aligning
 - increases mounting tolerances
 - simplifies cylinder mounting

Flange mount



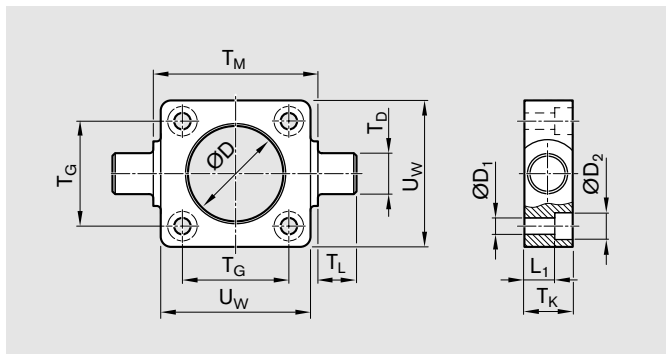
Material: galvanized steel

EMC size	Part number	Dimensions (mm)											Weight (kg)
		ØD H11	ØD ₁ H13	ØD ₂ H13	E max.	ØF _B	L ₄	M _F	R	T _F	T _{G1} ±0.2	U _F	
32	R021U90035	30	6.6	11	50	7	4.5	10	32	64	32.5	80	0.3
40	R021U90007	35	6.6	11	55	9	4.5	10	36	72	38.0	90	0.4
50	R021U90036	40	9.0	15	65	9	6.0	12	45	90	46.5	110	0.8
63	R021U90037	45	9.0	15	75	9	6.0	12	50	100	56.5	125	1.0
80	R1561 5A0 02	55	11.0	18	100	12	9.0	16	63	126	72.0	154	1.7
100	R1561 6A0 02	65	11.0	18	120	14	9.0	16	75	150	89.0	186	2.4

Fastening screws included in scope of delivery

Mounting Elements

Trunnion for head end (For vertical EMC orientations only)

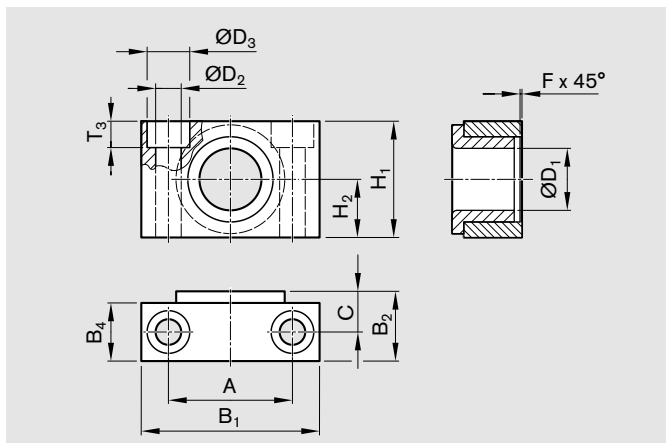


Material: galvanized spheroidal graphite cast iron

EMC size	Part number	Dimensions (mm)										Weight (kg)
		ØD H11	ØD ₁	ØD ₂	L ₁	T _D e9	T _G ±0.2	T _K	T _L h14	T _M h14	U _W	
32	R021U90028	30	6.6	11	7.5	12	32.5	16	12	50	48	0.29
40	R021U90002	35	6.6	11	7.5	16	38.0	20	16	63	56	0.50
50	R021U90029	40	9.0	15	10.0	16	46.5	24	16	75	65	0.70
63	R021U90030	45	9.0	15	10.0	20	56.5	24	20	90	75	1.10
80	R1561 5A0 01	55	11.0	18	16.0	20	72.0	28	20	110	100	1.50
100	R1561 6A0 01	65	11.0	18	25.5	25	89.0	38	25	132	120	2.70

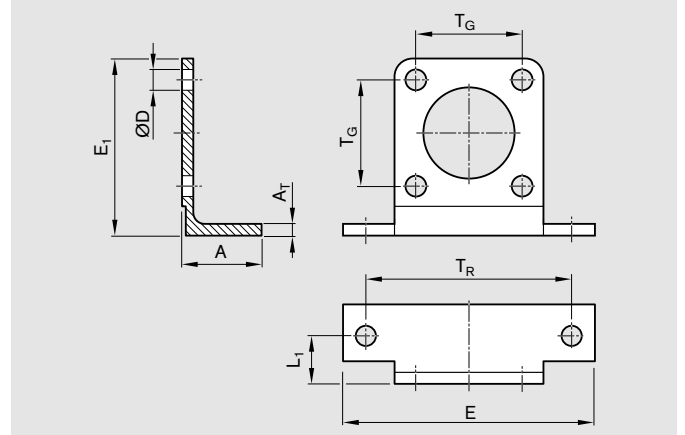
Fastening screws included in scope of delivery

Bearing for trunnion, metal



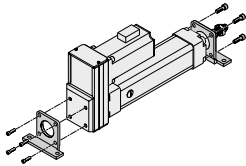
Material: galvanized steel, with sintered bronze bushings, delivered in pairs

EMC size	Part number	Dimensions (mm)											
		A ±0.2	B ₁ f8	B ₂	B ₄	C	ØD ₁ H7	ØD ₂ H12	ØD ₃ H13	F x 45°	H ₁	H ₂ ±0.1	T ₃ -0.4
32	R021U90031	32	46	18.0	15	10.5	12	6.6	11	1.0	30	15	6.8
40	R021U90032	36	55	21.0	18	12.0	16	9.0	15	1.6	36	18	9.0
50	R021U90033	42	65	23.0	20	13.0	20	11.0	18	1.6	40	20	11.0
63													
80	R021U90034	50	75	28.5	25	16.0	25	14.0	20	2.0	50	25	13.0
100													

Foot mount, for attachment to head cap or timing belt side drive


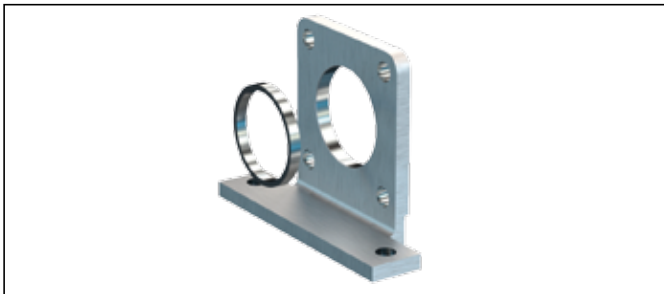
Material: galvanized steel

For mounting to EMC head and end cap for motor attachment via timing belt side drive (RV01)



EMC size	Part number	Dimensions (mm)									Weight (kg)
		A ±0.2	A _T ±0.2	ØD H13	E	E ₁	L ₁ ±0.2	T _G ±0.2	T _R ±0.2		
32	R1561 1B101	30	6	6.6	79	55.5	18	32.5	65	0.15	
40	R1561 2B101	30	7	6.6	90	62.5	18	38.0	75	0.16	
50	R1561 3B101	35	7	9.0	110	77.5	21	46.5	90	0.26	
63	R1561 4B101	35	7	9.0	120	87.5	21	56.5	100	0.32	
80	R1561 5B101	40	10	11.0	153	110.5	27	72.0	128	0.76	
100	R1561 6B101	40	10	11.0	178	128.5	27	89.0	148	1.10	

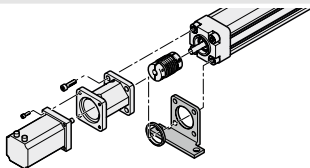
Fastening screws included in scope of delivery

Foot mount with centering ring for attachment to end cap, between EMC and motor mount


For dimensions, see drawing at top

Material: galvanized steel

For mounting to EMC end cap for motor attachment via motor mount and coupling (MF01)



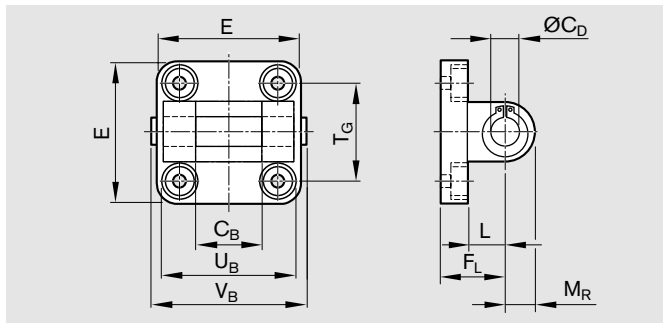
EMC size	Part number	Dimensions (mm)									Weight ¹⁾ (kg)
		A ±0.2	A _T ±0.2	ØD H13	E	E ₁	L ₁ ±0.2	T _G ±0.2	T _R ±0.2		
32	R1561 1B102	30	6	6.6	79	55.5	18	32.5	65	0.156	
40	R1561 2B102	30	7	6.6	90	62.5	18	38.0	75	0.166	
50	R1561 3B102	35	7	9.0	110	77.5	21	46.5	90	0.267	
63	R1561 4B102	35	7	9.0	120	87.5	21	56.5	100	0.329	
80	R1561 5B102	40	10	11.0	153	110.5	27	72.0	128	0.787	
100	R1561 6B102	40	10	11.0	178	128.5	27	89.0	148	1.130	

1) Including weight of the ring

Fastening screws included in scope of delivery

Mounting Elements

Clevis mount

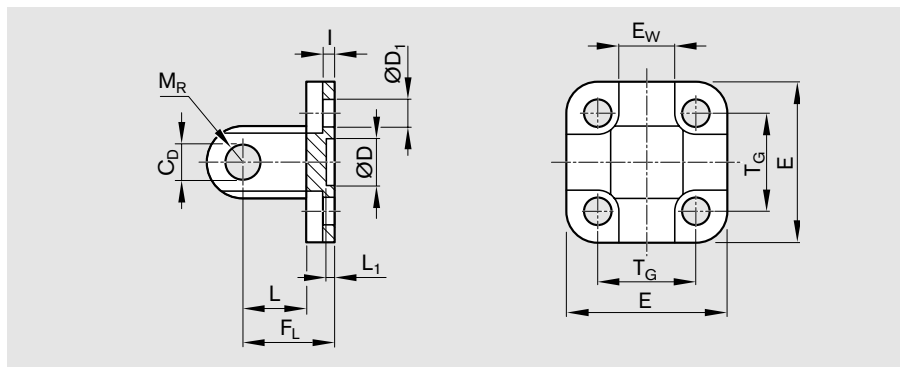


Material: anodized die-cast aluminum

EMC size	Part number	Dimensions (mm)										Weight (kg)
		C _B H14	ØC _D H9	E max.	F _L ±0.2	L min.	M _R	T _G ±0.2	U _B h14	V _B		
32	R021U90045	26	10	47	22	12	11	32.5	45	50	0.09	
40	R021U90046	28	12	54	25	15	13	38.0	52	57	0.11	
50	R021U90047	32	12	65	27	15	13	46.5	60	65	0.18	
63	R021U90048	40	16	75	32	20	17	56.5	70	76	0.25	
80	R021U90049	50	16	94	36	20	17	72.0	90	96	0.51	
100	R021U90050	60	20	112	41	25	21	89.0	110	117	0.70	

Pivot pin and fastening screws included in scope of delivery

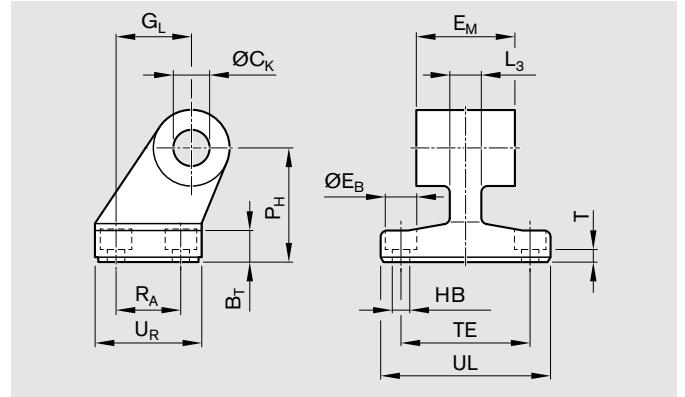
Swivel mount (mating piece for clevis mount, p. 40)



Material: aluminum

EMC size	Part number	Dimensions (mm)											
		C _D H9	ØD H11	D ₁ H13	E	E _w -0.2/-0.6	F _L ±0.2	I ±0.5	L min.	L ₁ min.	M _R max.	T _G ±0.2	DIN 912
32	R021U90063	10	30	6.6	48	26	22	5.5	12	4.5	10	32.5	M6x18
40	R021U90064	12	35	6.6	53	28	25	5.5	15	4.5	12	38.0	M6x18
50	R021U90065	12	40	9.0	63	32	27	6.5	15	4.5	12	46.5	M8x20
63	R021U90066	16	45	9.0	73	40	32	6.5	20	4.5	16	56.5	M8x20
80	R021U90067	16	45	11.0	98	50	36	10.0	20	4.5	16	72.0	M10x20
100	R021U90068	20	55	11.0	115	60	41	10.0	25	4.5	20	89.0	M10x20

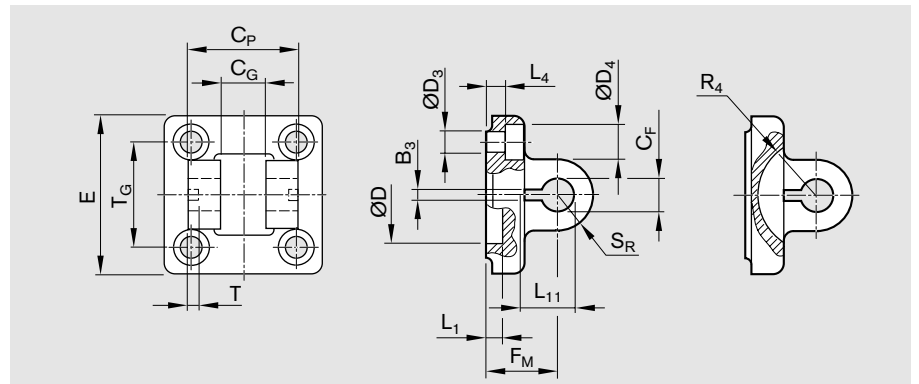
Fastening screws included in scope of delivery

Bearing block (mating piece for clevis mount, p. 40)


Material: galvanized spheroidal graphite cast iron

EMC size	Part number	Dimensions (mm)														Weight (kg)
		BR	BT	ØCK H9	ØEB H13	EM -0.2/-0.6	GL	ØHB H13	L3	PH JS15	RA JS14	T	TE JS14	UL	UR	
32	R021U90057	10	8	10	10	26	21	5.5	10	32	18	4	38	51	31	0.166
40	R021U90058	11	10	12	10	28	24	5.5	10	36	22	4	41	54	35	0.222
50	R021U90059	13	12	12	11	32	33	6.6	14	45	30	6	50	65	45	0.433
63	R021U90060	15	12	16	11	40	37	6.6	14	50	35	6	52	67	50	0.550
80	R021U90061	15	14	16	15	50	47	9.0	18	63	40	6	66	86	60	0.956
100	R021U90062	18	15	20	15	60	55	9.0	20	71	50	6	76	96	70	1.488

Without fastening screws

Clevis mount, for swivel bearing


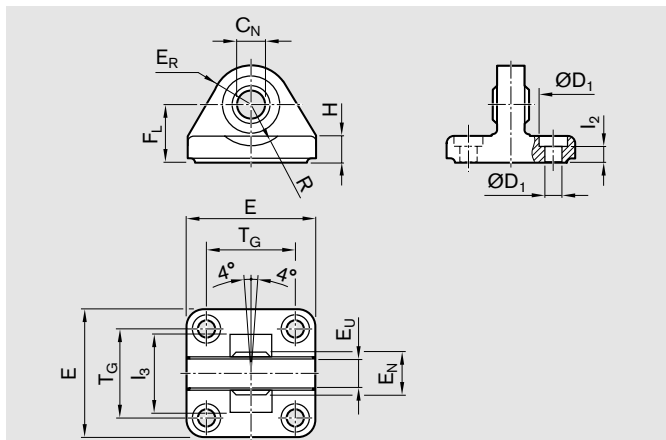
Material: aluminum

EMC size	Part number	Dimensions (mm)																Weight (kg)	
		B3 ±0.2	CF F7	CG D10	CP d12	Ød3	Ød4	ØD	E	FM ±0.2	L1 ±0.5	L4 ±0.5	L11 -0.5	R4	SR	T ±0.2	TG ±0.2		DIN 912
32	R021U90069	3.3	10	14	34	6.6	11	30	49	22	4.5	5.5	16.5	17	11	3	32.5	M6x18	0.216
40	R021U90070	4.3	12	16	40	6.6	11	35	55	25	4.5	5.5	18.0	20	12	4	38.0	M6x18	0.286
50	R021U90071	4.3	16	21	45	9.0	15	40	67	27	4.5	6.5	23.0	22	15	4	46.5	M8x20	0.487
63	R021U90072	4.3	16	21	51	9.0	15	45	77	32	4.5	6.5	23.0	25	15	4	56.5	M8x20	0.676
80	R021U90073	4.3	20	25	65	11.0	18	45	97	36	4.5	10.0	27.0	30	20	4	72.0	M10x20	1.385
100	R021U90074	4.3	20	25	75	11.0	18	55	117	41	4.5	10.0	27.0	32	20	4	89.0	M10x20	2.036

Pivot pin and fastening screws included in scope of delivery

Mounting Elements

Swivel bearing (mating piece for clevis mount, p. 41)

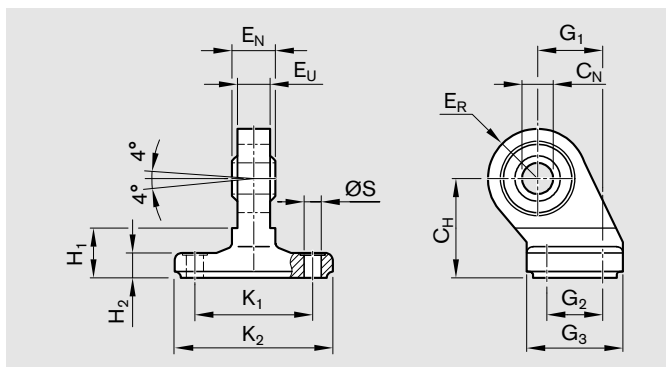


Material: aluminum

EMC size	Part number	Dimensions (mm)												DIN 912	Weight (kg)
		ØC _N H7	ØD ₁ H13	E	E _N -0.1	E _R	E _U	F _L -0.2	H	l ₂	l ₃ min.	R	T _G ±0.2		
32	R021U90081	10	6.6	47	14	15	9.0	22	9.0	5.5	36	15	32.5	M6x18	0.214
40	R021U90082	12	6.6	53	16	18	9.0	25	9.0	5.5	42	16	38.0	M6x18	0.283
50	R021U90083	16	9.0	65	21	20	10.5	27	10.5	6.5	48	16	46.5	M8x20	0.428
63	R021U90084	16	9.0	75	21	23	15.0	32	10.5	6.5	55	18	56.5	M8x20	0.684
80	R021U90085	20	11.0	95	25	27	18.0	36	14.0	10.0	70	21	72.0	M10x20	1.212
100	R021U90086	20	11.0	115	25	30	18.0	41	15.0	10.0	80	21	89.0	M10x20	2.032

Fastening screws included in scope of delivery

Swivel bearing high (mating piece for clevis mount, p. 41)

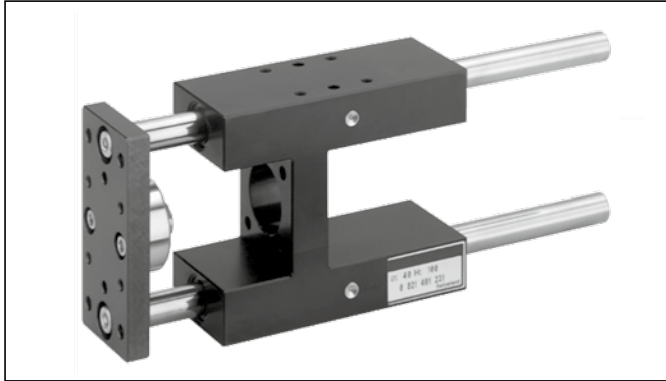


Material: galvanized spheroidal graphite cast iron

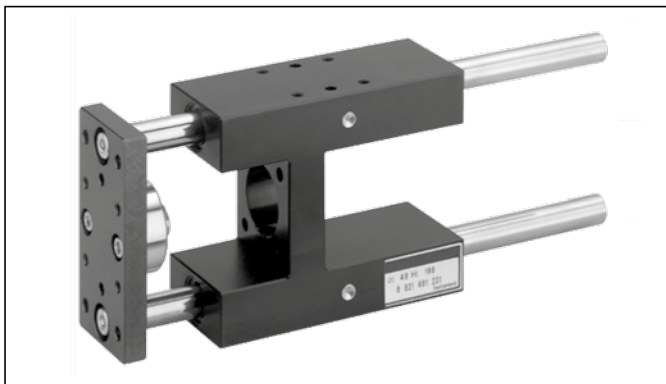
EMC size	Part number	Dimensions (mm)												ØS
		C _H JS15	C _N H7	E _N -1.0	E _R max.	E _U	G ₁ JS14	G ₂ JS14	G ₃ max.	H ₁	H ₂	K ₁ JS14	K ₂ max.	
32	R021U90075	32	10	14	16	10.5	21	18	31	16	9 ^{±1.0}	38	51	6.6
40	R021U90076	36	12	16	18	12.0	24	22	35	16	9 ^{±1.0}	41	54	6.6
50	R021U90077	45	16	21	21	15.0	33	30	45	23	11 ^{±1.0}	50	65	9.0
63	R021U90078	50	16	21	23	15.0	37	35	50	23	11 ^{±1.0}	52	67	9.0
80	R021U90079	63	20	25	28	18.0	47	40	60	32	12 ^{±1.5}	66	86	11.0
100	R021U90080	71	20	25	30	18.0	55	50	70	33	13 ^{±1.5}	76	96	11.0

Without fastening screws

Guide unit GH1 with plain bearing



Guide unit GH2 with linear ball bearing



Note: If required, guide units can be used for EMC sizes 32 to 63.
For more information, please refer to www.boschrexroth.com/dcp