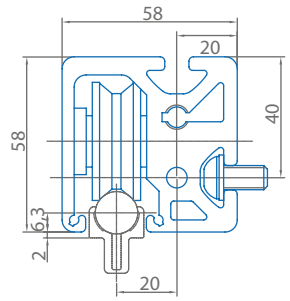
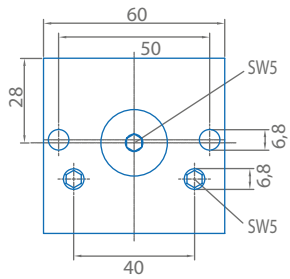
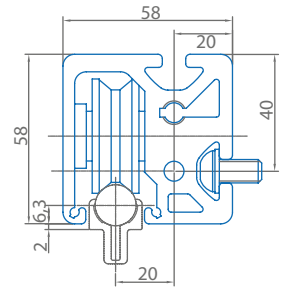
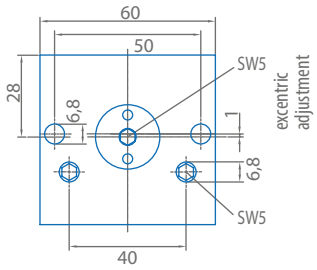
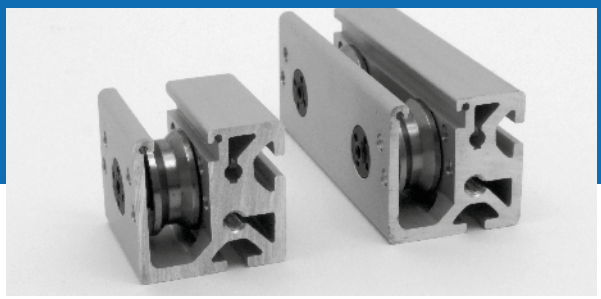
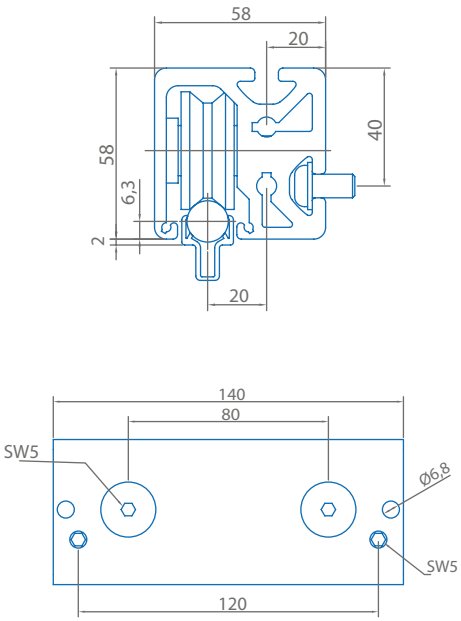
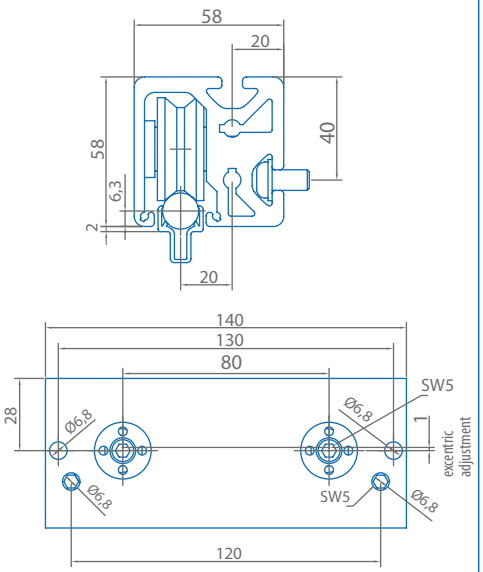
DYNAMIC ELEMENTS

BEARING UNITS

ITEM	Description	Order no.	Drawing
	Bearing units are used for the construction of linear slides. They are used exclusively in pairs; excentric/centric. Excentric bearing units can be adjusted backlash-free at a later date. Bearing units must always be equipped with end cap and lubricating systems so that premature wear is avoided. All components are also offered as individual parts for the construction of individual storage units.		
Bearing unit D14 z (centric) 	Material: Al, anodised Bolt 8 D14 z, burnished Roller D14 M_{bolt} = 20 Nm C = 7.800 N C_0 = 4.400 N m = 375,0 g	**LE8-D14-Z**	 
Bearing unit D14 e (excentric) 	Material: Al, anodised Bolt 8 D14 e, burnished Roller D14 $M_{lock\ nut}$ = 20 Nm C = 7.800 N C_0 = 4.400 N m = 380,0 g	**LE8-D14-E**	 

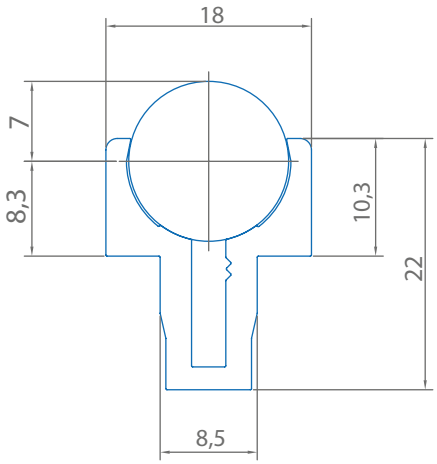


DOUBLE-BEARING UNITS

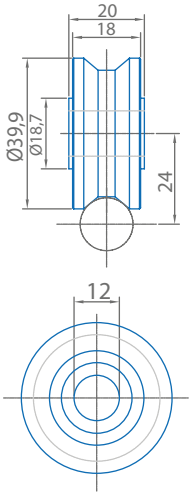
ITEM	Description	Order no.	Drawing
8			
Double-bearing unit 8 D14 z (centric)	Material: Al, anodised 2 bolts 8 D 14 z, burnished 2 castors D14 M_{bolts} = 20 Nm C = 15.600 N C_0 = 8.800 N m = 845,0 g	**DLE8-D14-Z**	
Double-bearing unit 8 D14 e (excentric)	Material: Al, anodised 2 bolts 8 D14 e, burnished 2 castors D14 $M_{lock\ nut}$ = 20 Nm C = 15.600 N C_0 = 8.800 N m = 838,0 g	**DLE8-D14-E**	

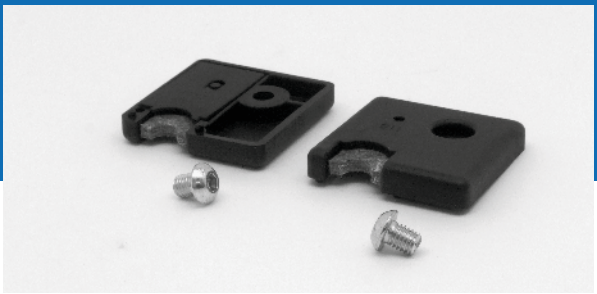
Dynamic elements

SHAFT CLAMP PROFILE

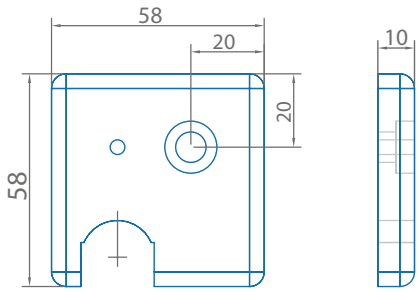
ITEM	Description	Order no.	Drawing
8	The shaft clamp profile is used for connecting the shafts D14 with the profile grooves. After pressing the shaft clamp profile into the profile groove, the shaft is pushed in. The shafts are to be fixated at any location using a cylindrical pin DIN 6325.		
Shaft clamp profile 8 D14	Material: Al, anodised Saw cut: type B Cut max.: 3.000 mm Rod: 3.000 mm A = 1,36 cm^2 m = 0,36 kg/m	**WKP8-D14**	

ROLLER

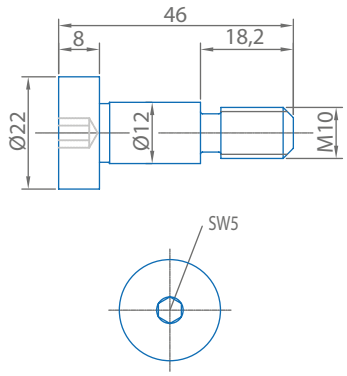
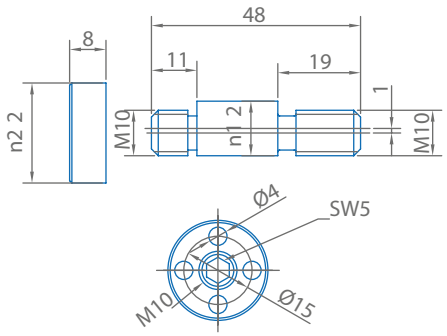
ITEM	Description	Order no.	Drawing
8	Maintenance-free roller for use in bearing units 8 D14.		
Roller D14	Material: St, plain 100 Cr 6, hardened, ground Double row ball bearing mounted, with two cover plates, maintenance-free n_{max} = 5.000 min-1 C = 7.800 N C_0 = 4.400 N m = 104,5 g	**LR8-D14**	



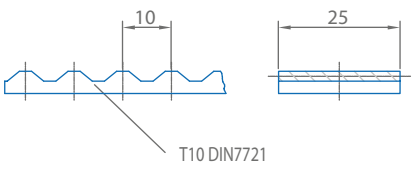
END CAP AND LUBRICATING SYSTEM

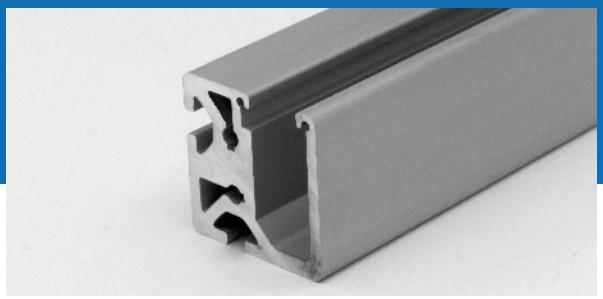
ITEM	Description	Order no.	Drawing
8	End cap and lubricating systems are attached to guiding mechanisms to protect shafts and rollers.		
End cap and lubricating system 8 D14, black	Material: PA-GF, black End cap and lubricating system 8 D14, right End cap and lubricating system 8 D14, left 2 button-head screws ISO 7380-M8x10, St, galvanised m = 52,0 g	**ASS8-D14**	

BOLTS

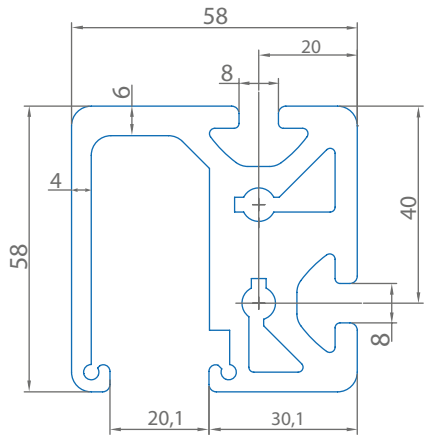
ITEM	Description	Order no.	Drawing
8	Bearing bolt for application in bearing units 8 D14.		
Bolt 8 D14 z (centric) 	Material: St, burnished M_{max} = 20 Nm m = 48,0 g	**B8-14-Z**	
Bolt 8 D 14 e (excentric) 	Material: St, burnished Bolt and four-hole nut $M_{lock\ nut}$ = 20 Nm M_{max} = 20 Nm m = 45,0 g	**B8-14-E**	

TIMING BELT

ITEM	Description	Order no.	Drawing
8	Timing belts are interlocking traction mechanisms which are used for castor guides in order to carry out precise linear movements.		
Timing belt R25 T10 	PUR, white with integrated steel strands K = 500 N Load max. = 2.400 N Saw cut: type A Cut max.: 50,0 m m = 125,0 g/m	**ZR-R25-T10-W**	



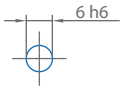
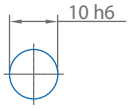
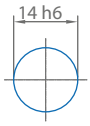
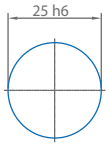
ROLLER PROFILE

ITEM	Description	Order no.	Drawing
8	The roller profile is used for the construction of bearing units 8 D14 in any length (max. 6.000 mm). The matching castors, bolts and end cap and lubricating systems are offered separately. A special milling process is required for the connection machining. If required, the machining drawing can be requested via info@varidee.de		
Roller profile 8 D14	Material: Al, anodised $A = 15{,}48\ cm^2$ $W_x = 15{,}34\ cm^3$ $W_y = 14{,}25\ cm^3$ $I_x = 47{,}90\ cm^4$ $I_y = 47{,}92\ cm^4$ $I_t = 11{,}14\ cm^4$ Saw cut: type B Cut max.: 6.000 mm Rods: 6.000 / 3.000 mm m = 4,18 kg/m	**P8-LRP-14**	

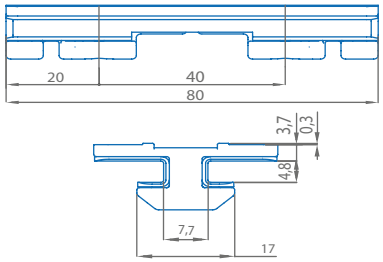
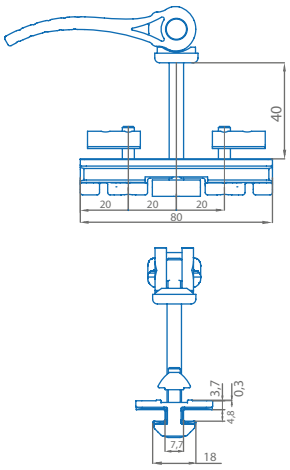
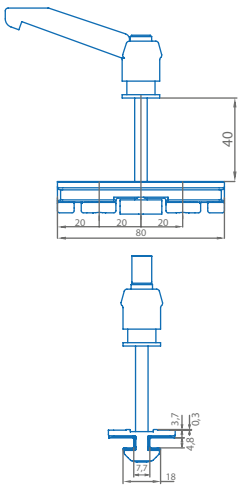
SHAFTS

5/6/8

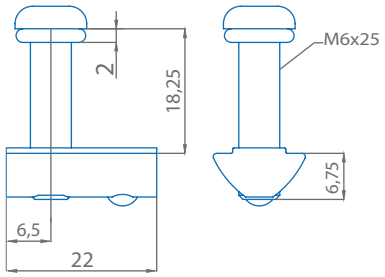
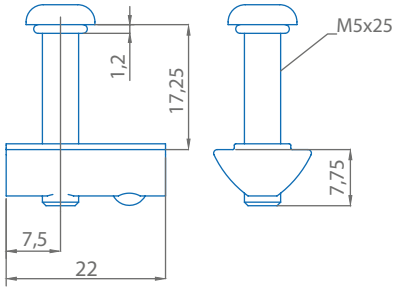
Shafts are used as guide shafts for castor guides.

ITEM	Description	m	Saw cut	Cut max	Rods	Order no.
		[kg/m²]	[type]	[mm]	[mm]	
	Shaft D6, Shaft D6 stainless	Shaft D10		Shaft D14, ShaftD14 stainless		Shaft D25
						
Shaft D6	St, Cf53, hardened, ground Hardening depth min. 0,4 mm	0,22	A	3.000	3.000	**W-D6**
Shaft D6, stainless	St, X46 Cr13 ground	0,22	A	3.000	3.000	**W-D6-E**
Shaft D10	St, Cf53, hardened, ground Hardening depth min. 0,4 mm	0,62	A	3.000	3.000	**W-D10**
Shaft D14	St, Cf53, hardened, ground Hardening depth min. 0,6 mm	1,21	A	3.000	3.000	**W-D14**
Shaft D14, stainless	St, X46 Cr13 ground	1,21	A	3.000	3.000	**W-D14-E**
Shaft D25	St, Cf53, hardened, ground Hardening depth min. 0,9 mm	3,85	A	3.000	3.000	**W-D25**

T-SLOT SLIDERS

ITEM	Description	Order no.	Drawing
8	T-slot sliders are used to move sliding units and doors. The robust metal sliding carriage carrier provides in combination with plastic glides for low-wear and low-friction movement. The maximum permissible load is 50 Newton per guide carriage. Pre-assembled fastening sets for floating and fixed bearing side are offered for fastening to the profile groove.		
T-slot slider 8 80x40 	Gliding carriage die-cast zinc, galvanised 2 sliding elements, POM 2 nuts M6, galvanised without mounting set Load: F_{max} = 50 N m = 76,5 g	**GSF8-80x40**	
T-slot slider 8 80x40 with excentric lever incl. fastening set 	Gliding carriage, die-cast zinc, galvanised 2 sliding elements, POM T-Slot 8 St M6 heavy / short, galvanised Excentric lever with pressure disc 2 mounting sets floating bearing Load: F_{max} = 50 N m = 155,0 g	**GSF8-80x40-EH**	
T-slot slider 8 80x40 with slide clamp 	Gliding carriage, die-cast zinc, galvanised 2 sliding elements, POM T-Slot 8 St M6 heavy / short, galvanised Clamping lever M6 with washer 2 nuts M6, galvanised without mounting set Load: F_{max} = 50 N m = 135,5 g	**GSF8-80x40-SK**	

T-SLOT SLIDERS

ITEM	Description	Order no.	Drawing
T-slot slider 8 80x40 fastening set, fixed bearing 	2 button-head screws M6x25, St, galvanised 2 T-slots 8 St M6 with guiding ridge, galvanised 2 O-rings 6x2, black m = 32,5 g	**GSF8-BFS-FL**	
T-slot slider 8 80x40 fastening set, floating bearing 	Button-head screw M5x25, St, galvanised T-Slot 8 St M5 with guiding ridge, galvanised O-ring 5x1.2, black m = 15,0 g	**GSF8-BFS-LL**	

T-SLOT SLIDER

ITEM	Description	Order no.	Drawing
8	The T-slot slider 8 serves as a guide for folding, lifting and sliding doors. The sliding block is made of low-friction plastic and has good sliding properties in the profile groove. Furthermore, the T-slot slider can rotate freely, thus, among other things, misalignments can be compensated. The maximum load is 60 N. The installation dimension (a) is 5,0 mm (tolerance 1,4 mm) per T-slot slider.		
T-slot slider 8, black 	T-slot slider 8, POM, black Shim washer DIN 988-8x14x1,25, St, stainless T-Slot 8 St M8 with guiding ridge, galvanised Grooved glide hub M8, St, galvanised F_{max} = 60 N m = 25,5 g	**NG-8**