

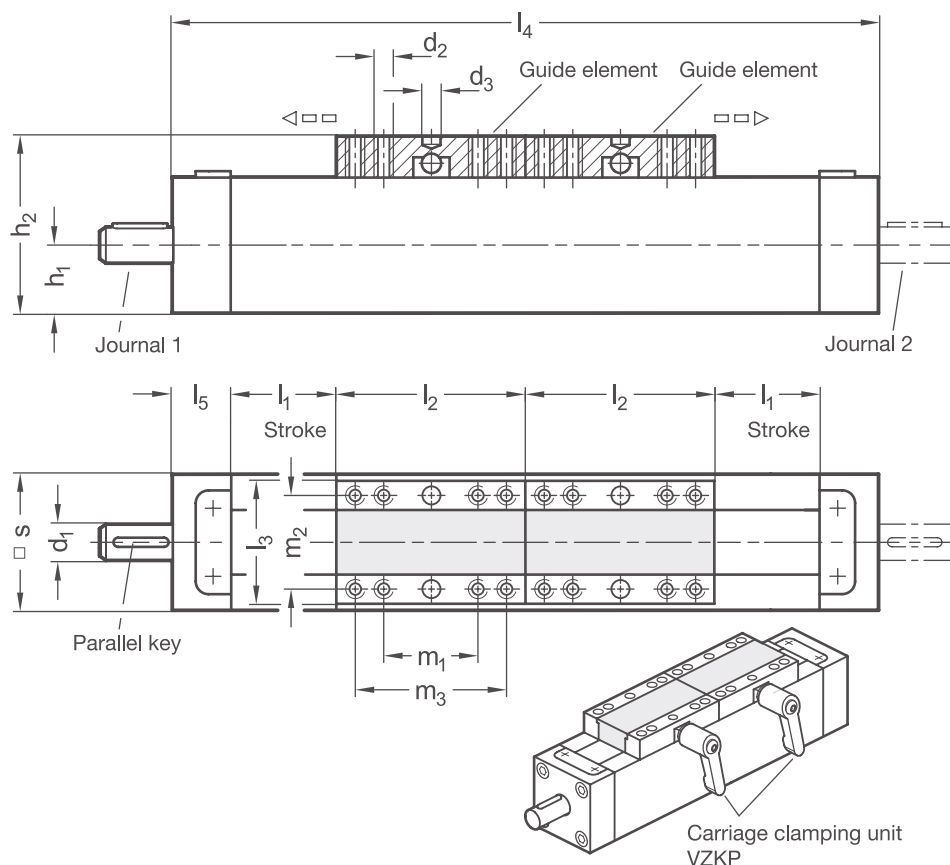
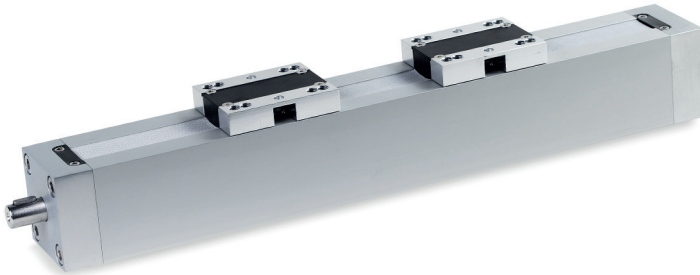
PRODUCT INFO

The housing of the **profile linear units VP2S** is made of aluminum profile. The aluminum end pieces serve as bearing housings and close the linear profile units. A continuous spindle with ball bearings on each side is installed in the aluminum profil. The spindle nut positioned on it transmits the linear counter-rotating adjustment movement along the guide groove to a guide element.

Profile adjustment units can be individually equipped with mounting holes. You can choose between threaded holes for mounting from below or through-holes with flat countersunk holes for mounting from above. Depending on the design, the part to be moved is fastened to the guide element or the guide element itself is installed at the place of use such that the entire linear unit moves together.

Possible accessories are already taken into account in the selection of the linear units according to the options given in the tables. This ensures, for example, that the journal lengths z_1 and z_2 are appropriate for attachment of the accessories. Accessories are not included with the linear units and must be ordered separately.

RoHS-compliant product



s	Stroke max. l ₁	d ₁	d ₂	d ₃ H7	h ₁	h ₂	l ₂		l ₃	max. l ₄	l ₅	m ₁	m ₂	m ₃	
							Type A	Type B						Type A	Type B
30	450	8	M 5	4	15	39	40	84	29	1096	14	22	22	-	66
50	700	12	M 6	5	25	62	60	120	49	1682	21	36	36	48	108

Material W

ST	Steel
	- Housing / guide element atural anodized - Metric threaded spindle: Steel, with ball bearing - Spindle nut: POM - Belt clamping / guide element cover / sliding guides: Plastic
ED	Stainless steel
	- Housing / guide element atural anodized - Metric threaded spindle: Stainless steel AISI 303, with ball bearing - Spindle nut: POM - Belt clamping / guide element cover / sliding guides: Plastic

Type t

A	Guide element short
B	Guide element long

Spindle thread direction r

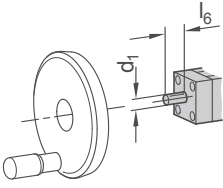
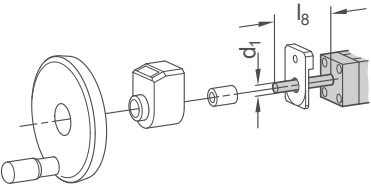
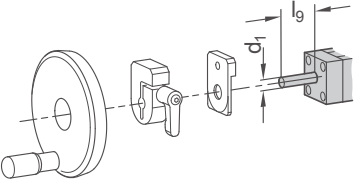
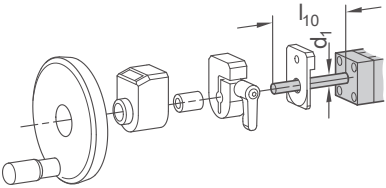
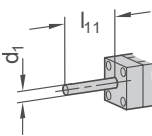
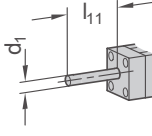
RH	Right-hand thread on journal z ₁ , left-hand thread on journal z ₂
LH	Left-hand thread on journal z ₁ , right-hand thread on journal z ₂

s	Spindle Ø	Spindle pitch p	Journal diameter d ₁	Journal length B l ₆	Journal length C l ₇	Journal length D l ₈	Journal length E l ₉	Journal length F l ₁₀	individual Journal length l ₁₁
		Thread							
30	10	1,5	8	16	39	55	34	70	16...70
50	16	2	12	18	49	67	40	82	18...82

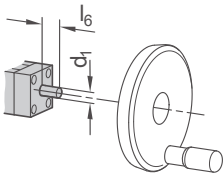
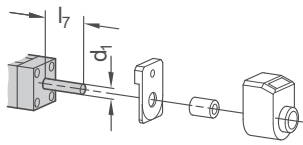
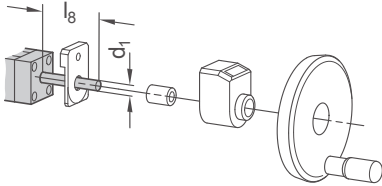
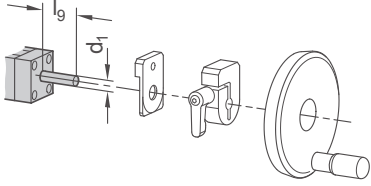
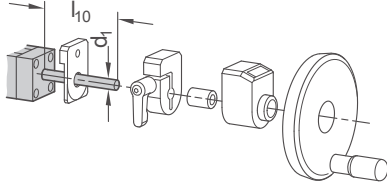
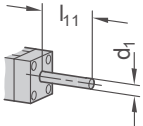
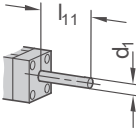
Accessories:

d ₁	Torque support	Clamping plate	Position indicator		Handwheel
30	VZDP	VZK	VZPM	VZPE	VZH
50	VZDP	VZK	VZPM	VZPE	VZH

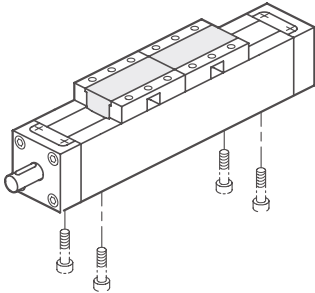
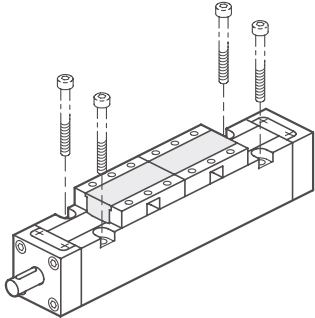
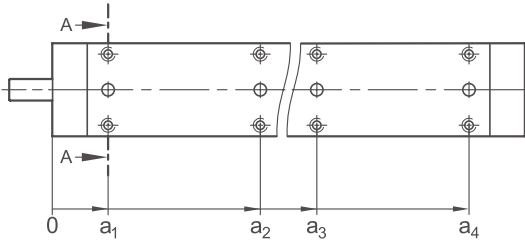
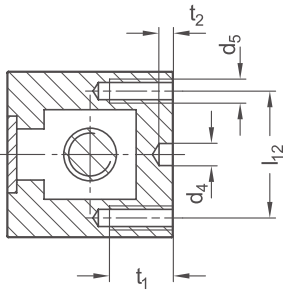
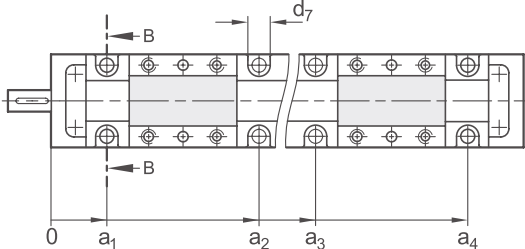
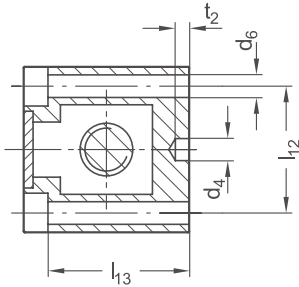
Zapfen
Z₁

B	Journal for handwheel	D	Journal for position indicator and handwheel	E	Journal for clamping plate and handwheel
 Journal length l_6		 Journal length l_8		 Journal length l_9	
F	Journal for clamping plate, position indicator and handwheel	Gxx	Individual length with keyway (for xx enter value from column l_{11})	Hxx	Individual length without keyway (for xx enter value from column l_{11})
 Journal length l_{10}		 Journal length l_{11}		 Journal length l_{11}	

Zapfen
Z₂

A	Without journal	B	Journal for handwheel	C	Journal for position indicator
		 Journal length l_6		 Journal length l_7	
D	Journal for position indicator and handwheel	E	Journal for clamping plate and handwheel	F	Journal for clamping plate, position indicator and handwheel
 Journal length l_8		 Journal length l_9		 Journal length l_{10}	
Gxx	Individual length with keyway (for xx enter value from column l_{11})	Hxx	Individual length without keyway (for xx enter value from column l_{11})		
 Journal length l_{11}		 Journal length l_{11}			

Mounting option
b

W	without mounting option		
U	from below (threaded hole)	O	from above (through-hole with flat counterbore)
			
 Fixing holes Sectional view A-A (Mounting holes) 		 Fixing holes Sectional view B-B (Mounting holes) 	

s	d ₄ H7	d ₅	d ₆	d ₇	l ₁₂	l ₁₃	t ₁	t ₂
30	3	M 3	3,4	6,5	24	26,6	10	3
50	5	M 5	5,5	10	40	44,6	12	5

ORDER KEY

WITH MOUNTING HOLES

Name key | Supplemental key
VP2S - s - w - l₁ - t - r - p - z₁ - z₂ - b - a₁ - a₂ - a₃ - a₄

Profile linear unit _____

Outer diameter _____

Material _____

Stroke _____

Type _____

Spindle thread direction _____

Spindle pitch _____

Journal z₁ _____

Journal z₂ _____

Mounting option _____

Mounting positions (only to be specified for mounting option U / O) _____

ACCESSORIES

- Handwheels **VZH** → see catalog page 356
- Position indicators **VZPM / VZPE** → see page 358
- Clamping plate **VZK** → see page 362
- Torque supports **VZDP**
- Carriage clamping unit **VZKP**