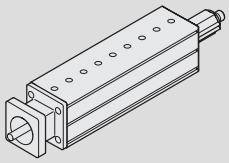
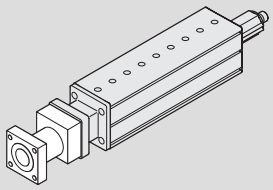
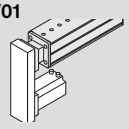
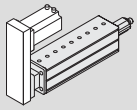
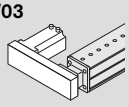
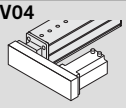
Feed Module VKK 15-70 Components and Ordering Data

Part number, length R1462 300 00, ... mm Type			Guideway	Drive unit Screw journal	Ball screw size d_0 x P 16x5	16x10	16x16	Carriage (internal) Without standard flange	With standard flange	
with ball screw, without motor mount	OF1 	OF01	L = 280 mm 12	Ø 9	01	02	03	01	02	
				Ø 9 Keyway	11	12	13			
with ball screw and motor mount	MF01 	MF01	L = 320 mm 13 L = 400 mm 15 L = 520 mm 18 L = 600 mm 20	Ø 9	01	02	03	01	02	
with ball screw and timing belt side drive	RV01  RV02  RV03  RV04 	RV01 to RV04		Ø 9	01	02	03	01	02	

Order example: See “Inquiry/Order Form”

⚠ **Please check whether the selected combination is a permissible one (load capacities, moments, maximum speeds, motor data, etc.)!**

d_0 = screw diameter (mm)
P = screw lead (mm)

For details of standard flange, see page 35.

	Motor attachment			Motor		1st, 2nd, 3rd switch	Documentation	
	Gear ratio i =	Attachment kit [1]	for motor	without brake	with brake		Standard report	Measurement report
		00	–	00		**Without switch** 00 **Switch (magnetic field sensor):** – Reed sensor 21 – Hall sensor (PNP NC) 22	01	02 Frictional torque 03 Lead deviation 05 Positioning accuracy
	i = 1	01	**MSM 030C**	72	73			
		02	**MSK 030C**	84	85			
		03	**MSM 040B**	74	75			
		04	**MSK 040C**	86	87			
		11	**VRDM 3910**	39	40			
		12	**VRDM 3913**	41	42			
	i = 1	23	**MSM 030 C**	72	73			
	i = 1.5	24						
	i = 1	21	**MSK 030C**	84	85			
	i = 1.5	22						

1) Attachment kit also available without motor (when ordering: enter “00” for motor).

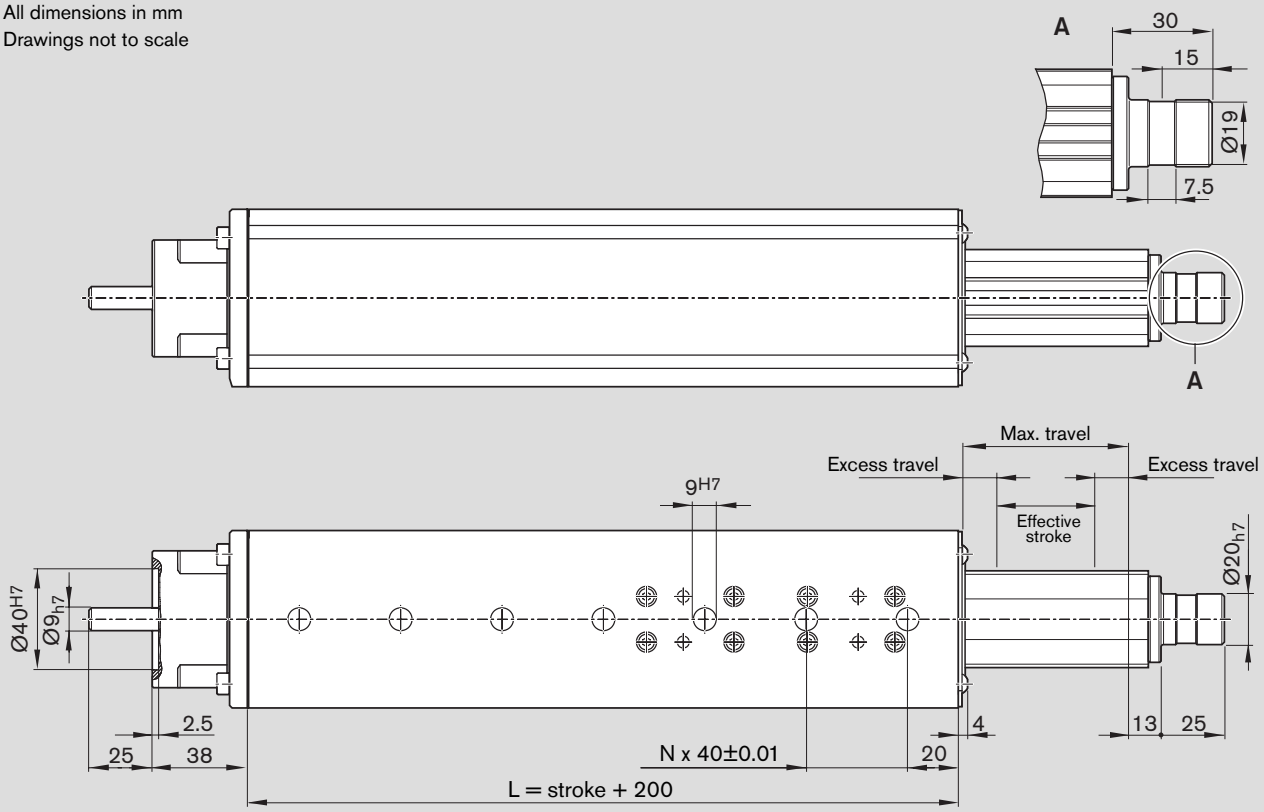
Switch Mounting Arrangements

Refer to “Switch mounting arrangements” for more information on switch types and switch mounting.

Feed Module VKK 15-70

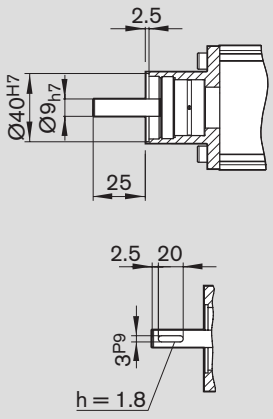
Dimension drawings

All dimensions in mm
Drawings not to scale

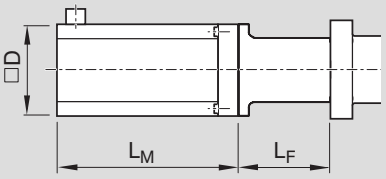


Length L (mm)	Stroke$_{eff}$ (mm)	N	Moved mass of system (kg)	Excess travel (each side) Ball screw 16x5 (mm)	Ball screw 16x10 (mm)	Ball screw 16x16 (mm)
280	80	6	0.7		27	
320	120	7	0.8		27	
400	200	9	0.9		27	
520	320	12	1.1		27	
600	400	14	1.2		27	

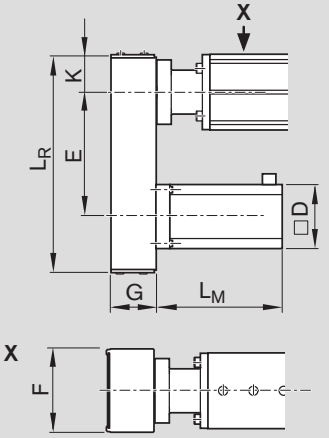
Type OF01

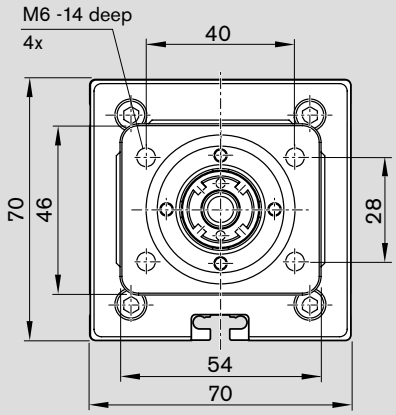


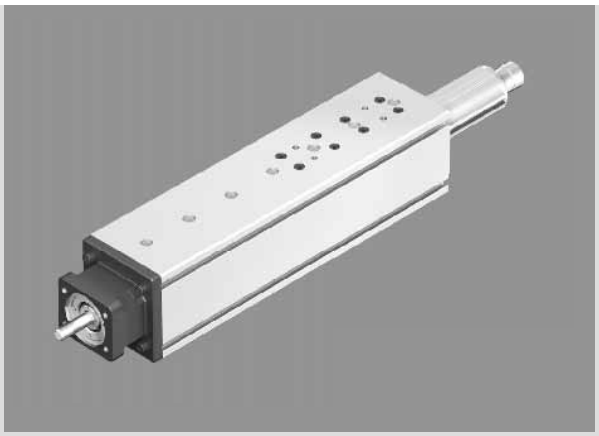
Type MF01

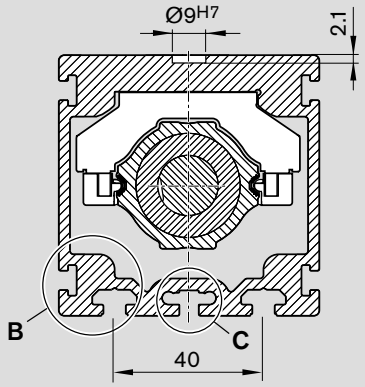


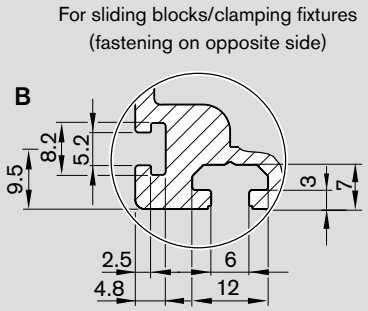
Type RV01, RV02, RV03, RV04

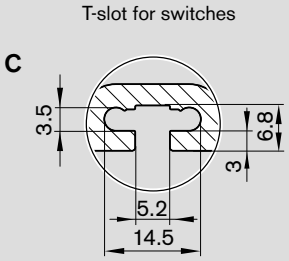






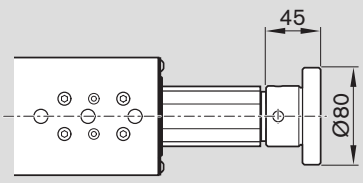






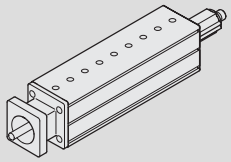
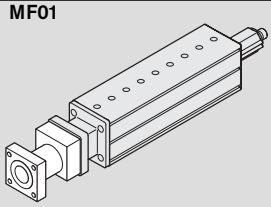
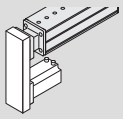
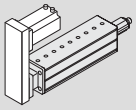
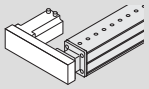
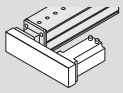
Type	Motor	Dimensions (mm)										
		D	E		F	G	K	L_F	L_M		L_R	
			i = 1	i = 1.5					without brake	with brake	i = 1	i = 1.5
RV01 to RV04	**MSM 030C**	60	103.5	115	64.5	37	33	–	–	–	179	191
	MSK 030C	54	103.5	115	64.5	37	33	–	–	–	179	191
MF01	**MSM 030C**	60	–	–	–	–	–	72	138.5	171.5	–	–
	MSM 040B	80	–	–	–	–	–	83	157.5	191.5	–	–
	MSK 030C	54	–	–	–	–	–	75.5	188	213	–	–
	MSK 040C	82	–	–	–	–	–	77.5	185.5	215.5	–	–
	VRDM 3910	85	–	–	–	–	–	77.5	140.5	187	–	–
	VRDM 3913	85	–	–	–	–	–	77.5	170.5	217	–	–

Version with standard flange



For details of standard flange, see page 35.

Feed Module VKK 25-100 Components and Ordering Data

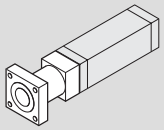
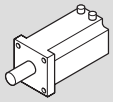
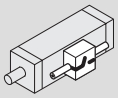
Part number, length R1462 400 00, ... mm Type			Guideway	Drive unit Screw journal	Ball screw size d_0 x P 20x5	25x10	20x20	Carriage (internal) Without standard flange	With standard flange	
with ball screw, without motor mount	OF1 	OF01	L = 360 mm 12 L = 400 mm 13 L = 480 mm 15 L = 600 mm 18 L = 680 mm 20	Ø 14	01	02	03	01	02	
				Ø 14 Keyway	11	12	13			
with ball screw and motor mount	MF01 	MF01		Ø 14	01	02	03	01	02	
with ball screw and timing belt side drive	RV01  RV02  RV03  RV04 	RV01 to RV04		Ø 14	01	02	03	01	02	

Order example: See “Inquiry/Order Form”

⚠ **Please check whether the selected combination is a permissible one (load capacities, moments, maximum speeds, motor data, etc.)!**

d_0 = screw diameter (mm)
P = screw lead (mm)

For details of standard flange, see page 35.

	Motor attachment			Motor		1st, 2nd, 3rd switch	Documentation	
								
	Gear ratio i =	Attachment kit[1)]	for motor	without brake	with brake		Standard report	Measurement report
		00	–	00		**Without switch** 00 **Switch (magnetic field sensor):** – Reed sensor 21 – Hall sensor (PNP NC) 22	01	02 Frictional torque 03 Lead deviation 05 Positioning accuracy
		03	**MSM 040B**	74	75			
		05	**MSK 050C**	88	89			
		13	**VRDM 31117**	43	44			
	i = 1	27	**MSM 040B**	74	75			
	i = 1.5	28						
	i = 1	29	**MSK 050C**	88	89			
	i = 2	30						

1) Attachment kit also available without motor (when ordering: enter “00” for motor).

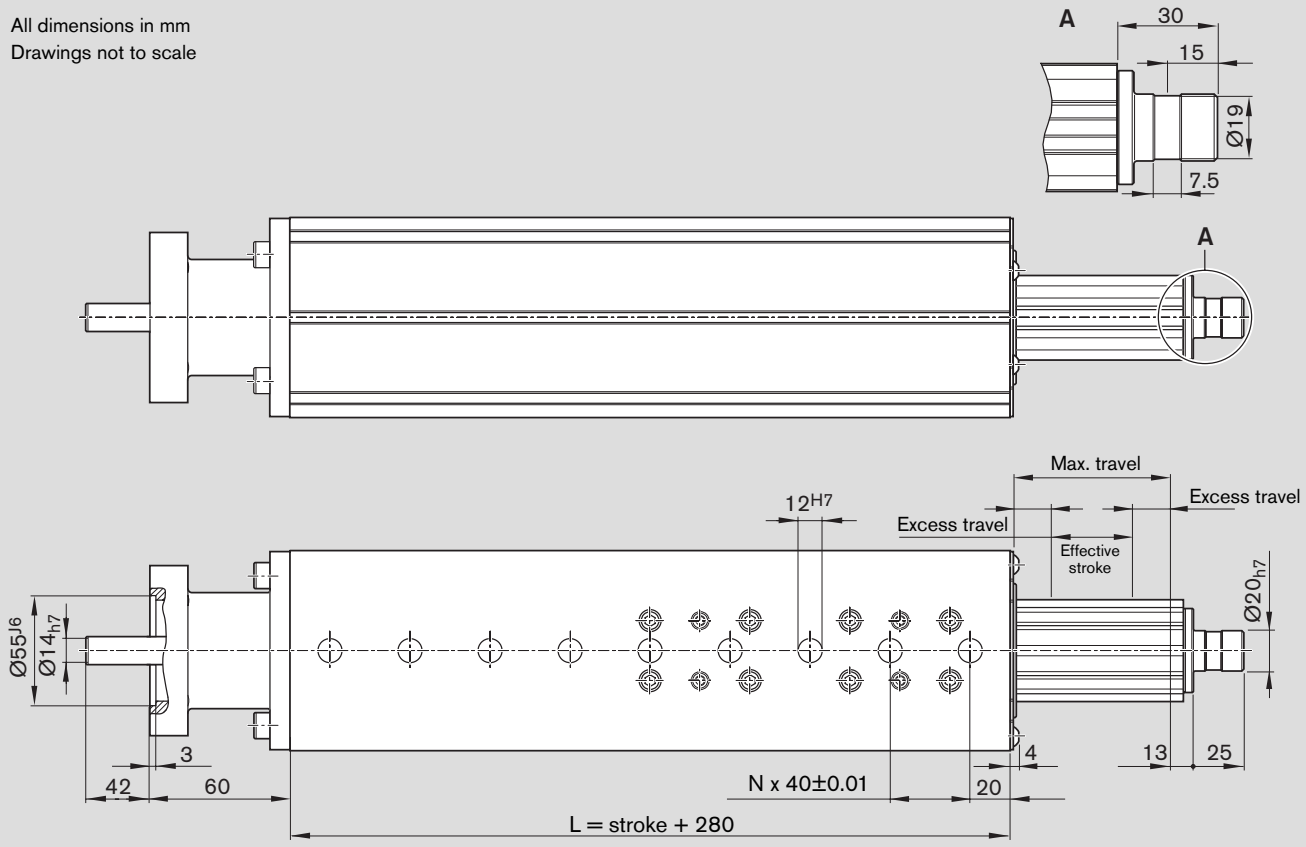
Switch Mounting Arrangements

Refer to “Switch mounting arrangements” for more information on switch types and switch mounting.

Feed Module VKK 25-100

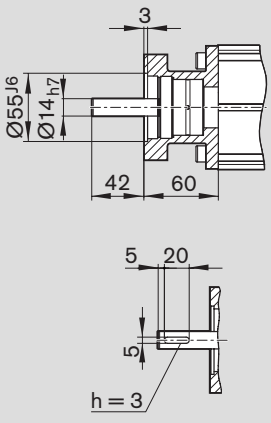
Dimension drawings

All dimensions in mm
Drawings not to scale

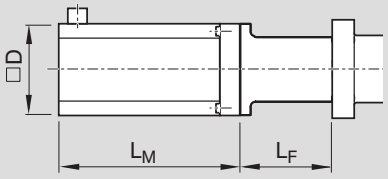


Length L (mm)	Stroke$_{eff}$ (mm)	N	Moved mass of system (kg)	Excess travel (each side) Ball screw 20x5 (mm)	Ball screw 25x10 (mm)	Ball screw 20x20 (mm)
360	80	8	1.5		39	
400	120	9	1.6		39	
480	200	11	1.8		39	
600	320	14	2.0		39	
680	400	16	2.2		39	

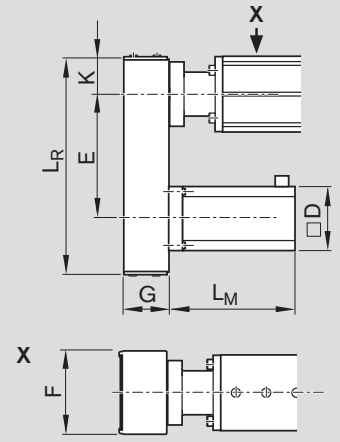
Type OF01

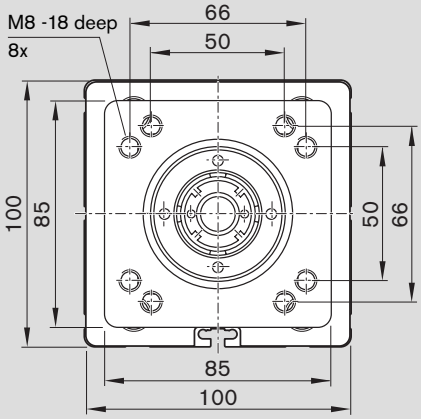


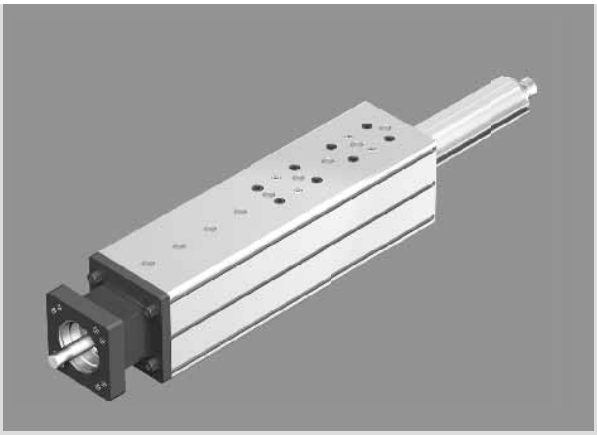
Type MF01

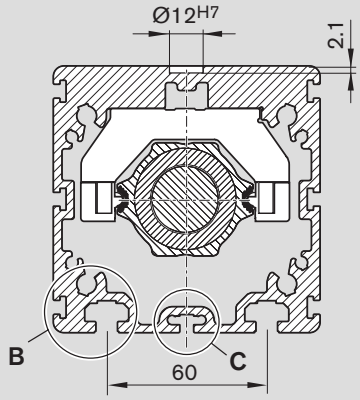


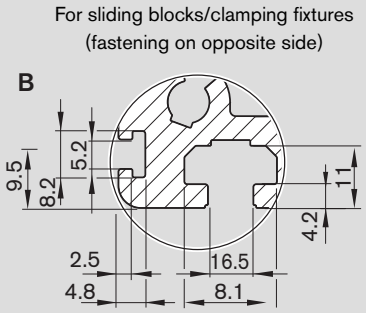
Type RV01, RV02, RV03, RV04

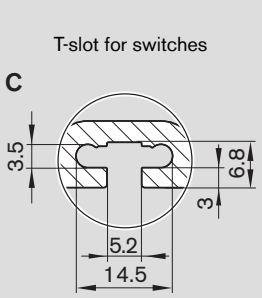






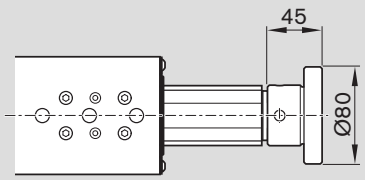






Type	Motor	Dimensions (mm)												
		D	E			F	G	K	L_F	L_M		L_R		
			i = 1	i = 1.5	i = 2					without brake	with brake	i = 1	i = 1.5	i = 2
RV01 to RV04	**MSM 040B**	80	122	122	–	88	51	45.5	–	–	–	231	231	–
	MSK 050C	98	154	–	154	116	66	57	–	–	–	280	–	280
MF01	**MSM 040B**	80	–	–	–	–	–	–	90	157.5	191.5	–	–	–
	MSK 050C	98	–	–	–	–	–	–	115	203	233	–	–	–
	VRDM 31117	110	–	–	–	–	–	–	85	228	281	–	–	–

Version with standard flange



For details of standard flange, see page 35.