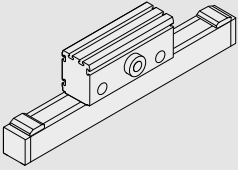
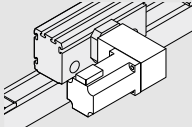
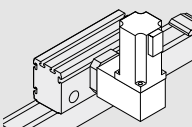
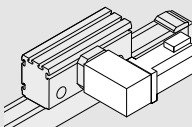
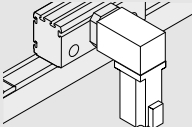
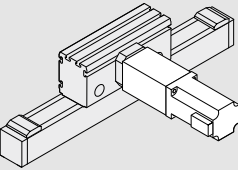


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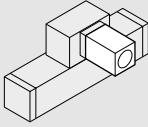
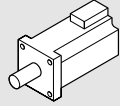
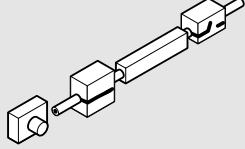
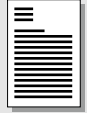
Components and Ordering Data

Part number, length R1144 100 00, mm		Guideway	Drive unit				Carriage	
Version			Reduction				$L_{ca} = 230 \text{ mm}$	$L_{ca} = 266 \text{ mm}$
							without	with
							Clamping unit	
			i = 1	i = 3	i = 5	i = 8		
With drive unit (MA), w/o gear reducer $i=1$	MA01 	01	Clamping shaft	01	-		01	02
With gear reducer (MG), angled gear reducer WPLE	MG01 	01	Angled gear reducer at left / at top / at right / at bottom	-	10		01	02
	MG02 			-	10			
	MG03 			-	10			
	MG04 			-	10			
With gear reducer (MG), straight gear reducer PLE	MG10 	01	Straight gear reducer at side	-	10		01	02

Ordering example: see "Inquiry/Order"

L_{ca} = carriage length

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

Motor attachment				Motor		Switches / Cable duct / Socket-plug		Documentation	
								Standard report	
Reduction i =	Attachment kit ¹⁾		for motor	without	with				
	MG01	MG02		Brake					
	MG03	MG04							
-	00		-	00		Without switch and cable duct 00			
						Carriage travels			
						Switches:			
						- PNP NC		71 ± ... mm	
						- PNP NO		73 ± ... mm	
						- Mechanical		75 ± ... mm	
						Ordering data:			
						Switch type			
						Travel direction			
						Switching distance			
						Cable duct – length		20 - ... mm	
						Socket-plug		17	
						One switching strip		36	
						Frame travels			
						Switches:			
						- PNP NC		61 ± ... mm	
						- PNP NO		63 ± ... mm	
						- Mechanical		65 ± ... mm	
						Socket-plug		17	
						One switching strip		38	
						Two switching strips		39	

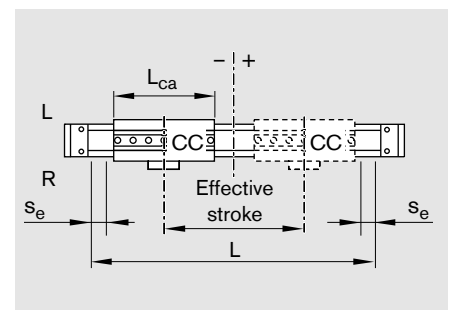
1) Attachment kit also available without motor (when ordering: enter "00" for motor)

Length L:

$$L = (\text{effective stroke} + 2 \cdot \text{excess travel } s_e) + 120 \text{ mm} + L_{ca}$$

Effective stroke = maximum travel of carriage center (CC) between the outermost switch activation points.

The excess travel s_e must be longer than the braking distance. The acceleration travel can be taken as a guideline value for the braking distance.



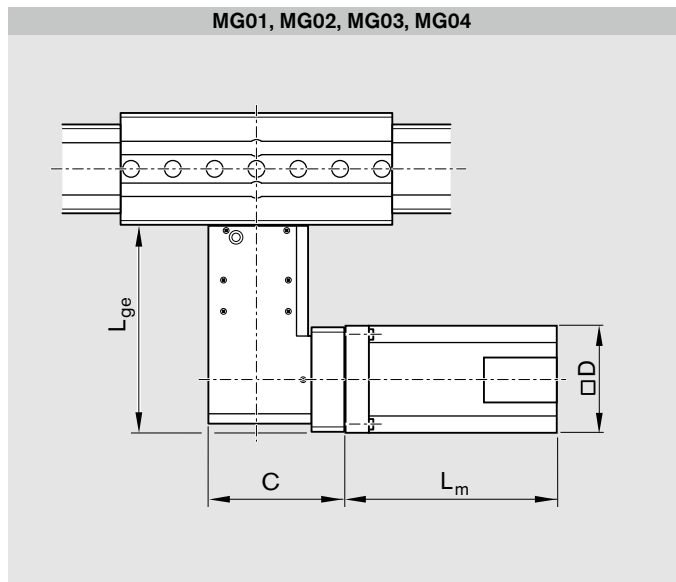
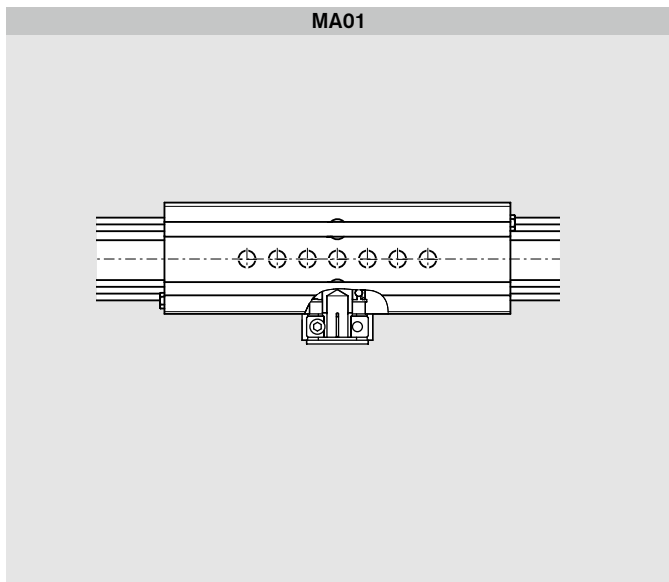
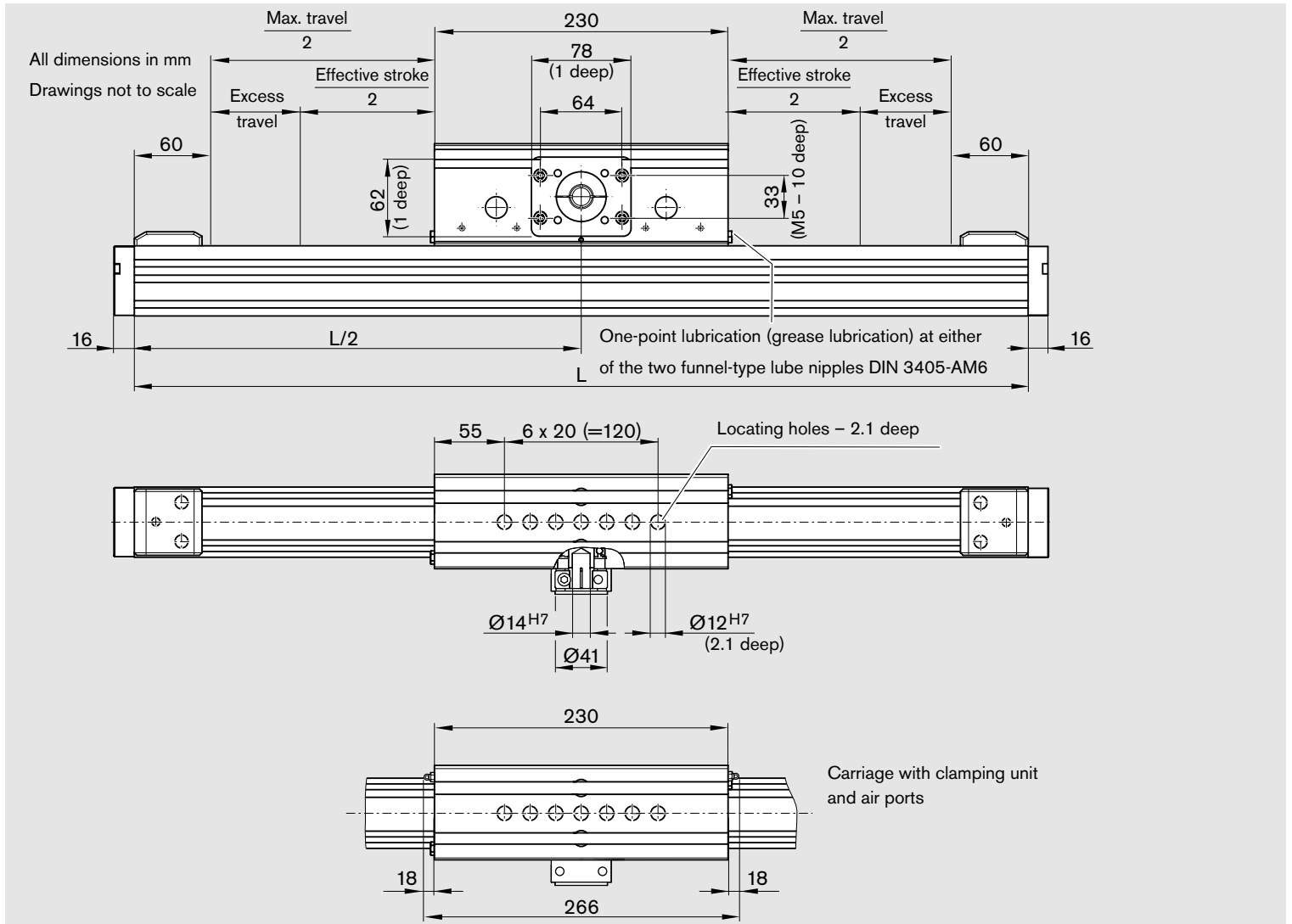
⚠ Note for length calculations for the version "Carriage without clamping unit":

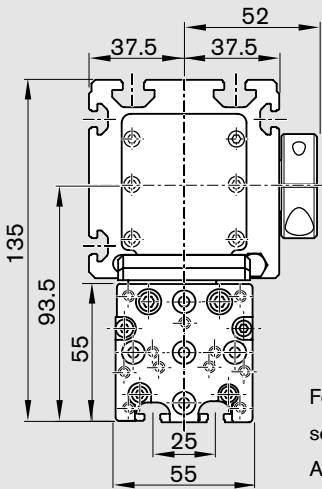
The switch mounting profile is 260 mm long.

Add 30 mm to the calculated length L.

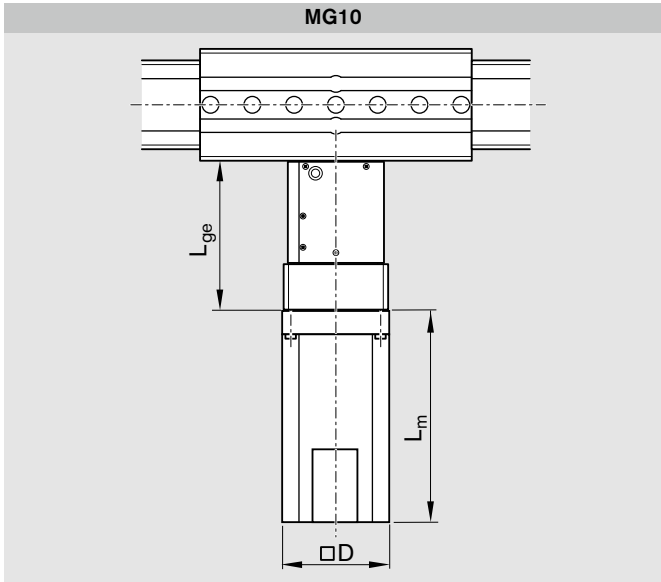
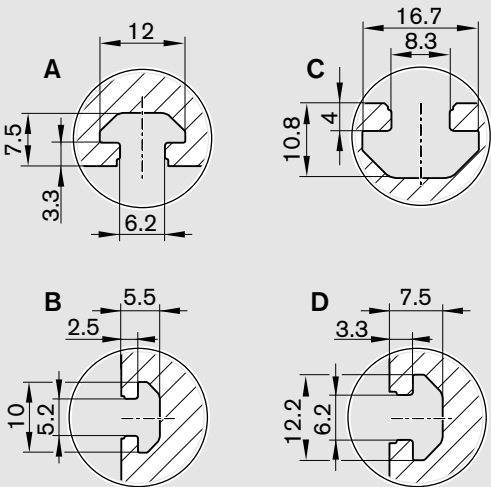
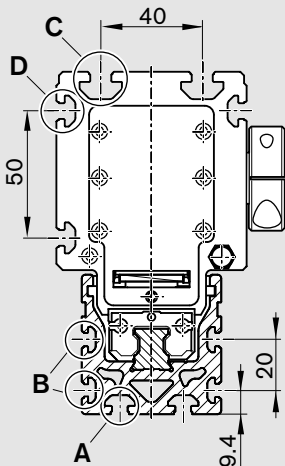
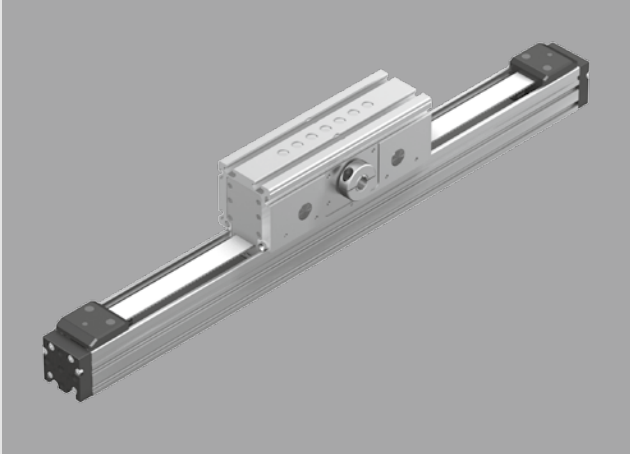
OBB 55

Dimensions





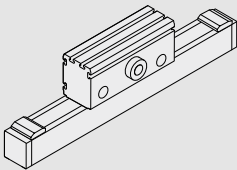
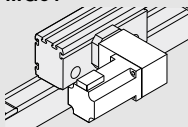
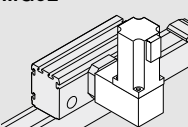
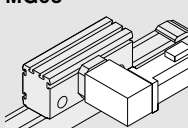
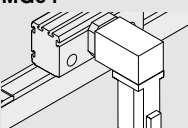
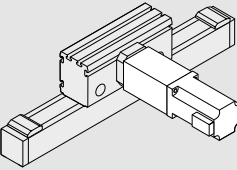
For dimensions of end plate, see section "Attachment of Add-on Modules"



Motor	Dimensions (mm)					
	Gear unit			Motor		
	L _{ge}	C	L _{ge}	D	without brake	L _m with brake
MSK 040C	150.5	97.5	111.5	82	185.5	215.5
MSM 031C	135.5	97.5	111.5	60	98.5	135

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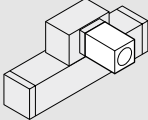
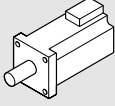
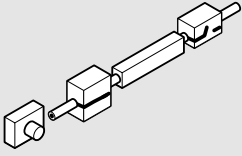

Components and Ordering Data

Part number, length R1144 300 00, mm		Guideway	Drive unit			Carriage	
Version			Reduction			$L_{ca} = 260$ mm	$L_{ca} = 344$ mm
			i = 1	i = 5	i = 8	without Clamping unit	with Clamping unit
With drive unit (MA), w/o gear reducer $i=1$	MA01 	01	Clamping shaft	01	-	01	02
With gear reducer (MG), angled gear reducer WPLE	MG01 	01	Angled gear reducer at left / at top / at right / at bottom	-	10	01	02
	MG02 						
With gear reducer (MG), straight gear reducer PLE	MG03 	01	Straight gear reducer at side	-	10	01	02
	MG04 						
With gear reducer (MG), straight gear reducer PLE	MG10 	01	Straight gear reducer at side	-	10	01	02

Ordering example: see "Inquiry/Order"

L_{ca} = carriage length

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

Motor attachment			Motor	Switches / Cable duct / Socket-plug		Documentation
						
Reduction i =	Attachment kit ¹⁾ MG01 MG02 MG03 MG04		for motor	without	with	Standard report
				Brake		
-	00		-	00		01
i = 5	33	43	MSK 050C	88	89	
i = 8	35	45				
i = 8	34	44	MSM 041B	110	111	
i = 5	30		MSK 050C	88	89	
i = 8	32					
i = 8	31		MSM 041B	110	111	
Without switch and cable duct 00						
Carriage travels						
Switches: - PNP NC 71 ± ... mm - PNP NO 73 ± ... mm - Mechanical 75 ± ... mm						
Ordering data: Switch type _____ Travel direction _____ Switching distance _____						
Cable duct – length 20 - ... mm						
Socket-plug 17						
One switching strip 36						
Frame travels						
Switches: - PNP NC 61 ± ... mm - PNP NO 63 ± ... mm - Mechanical 65 ± ... mm						
Socket-plug 17						
One switching strip 40						
Two switching strips 41						

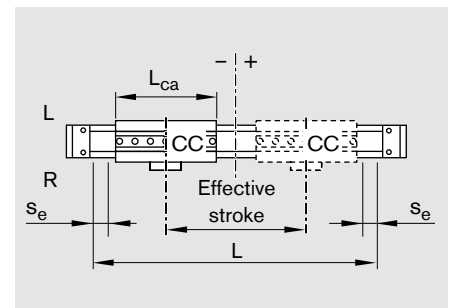
1) Attachment kit also available without motor (when ordering: enter "00" for motor)

Length L:

$$L = (\text{effective stroke} + 2 \cdot \text{excess travel } s_e) + 120 \text{ mm} + L_{ca}$$

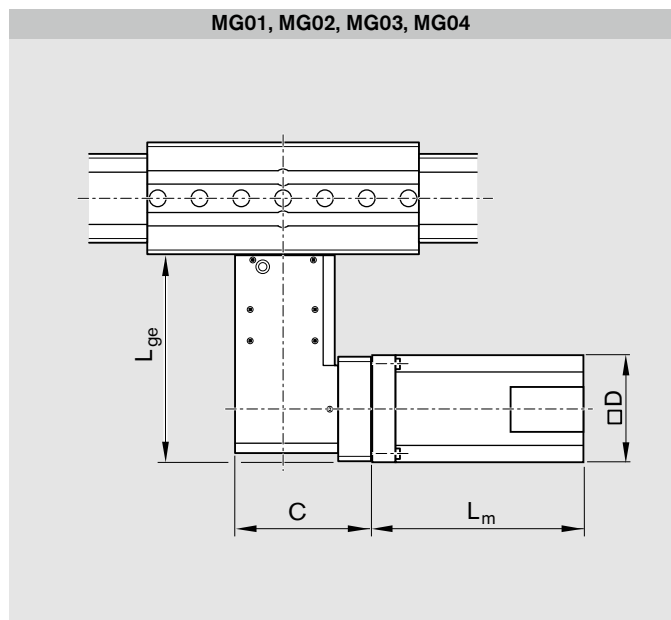
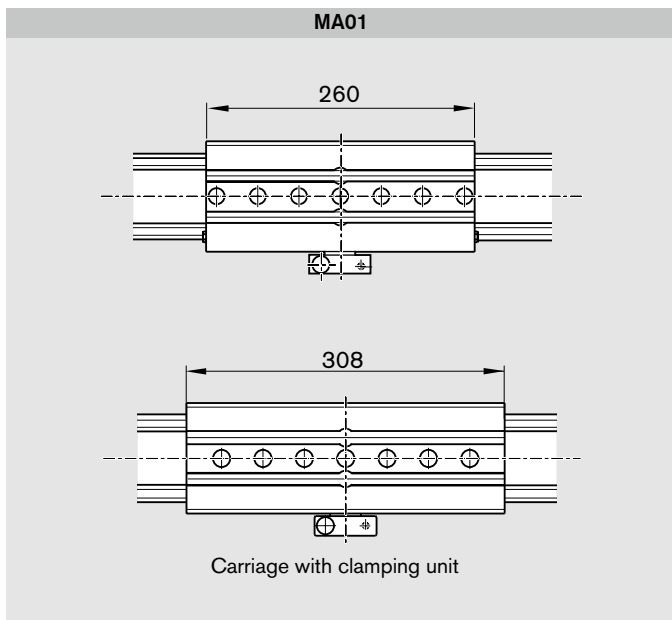
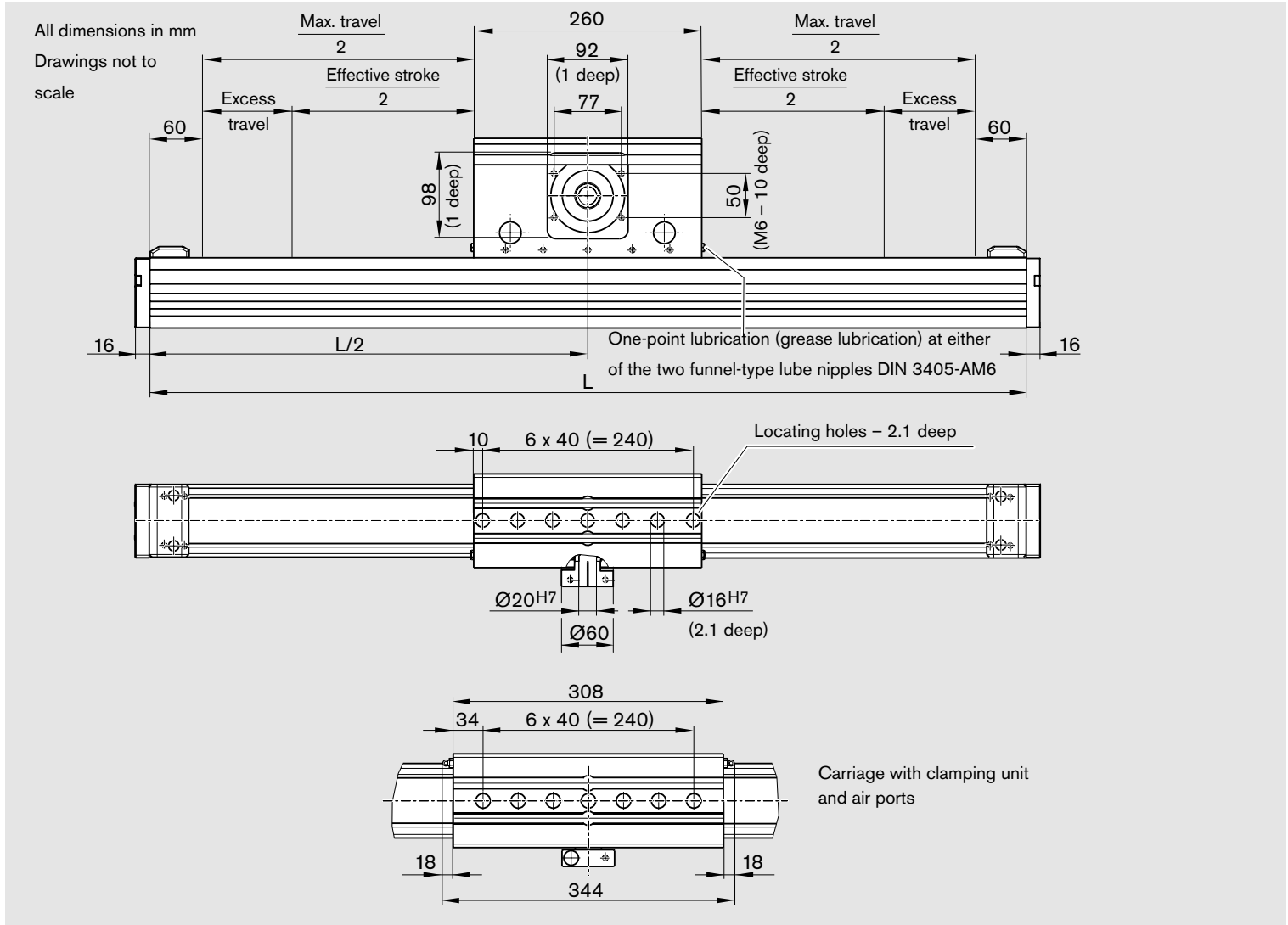
Effective stroke = maximum travel of carriage center (CC) between the outermost switch activation points.

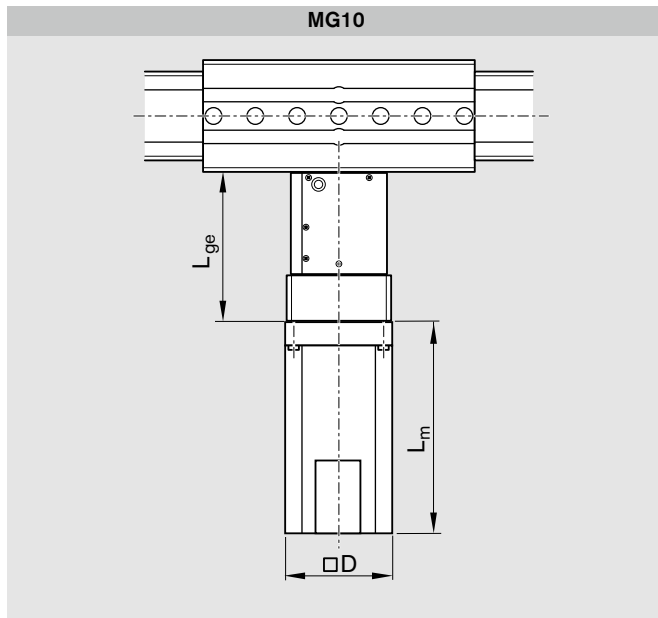
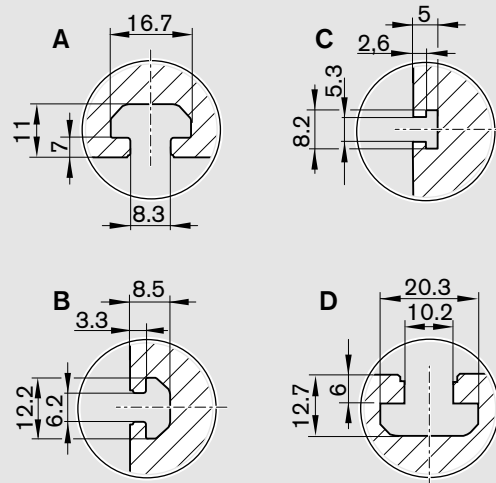
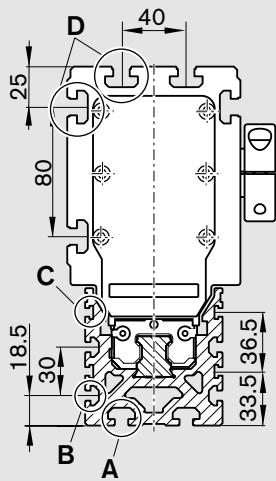
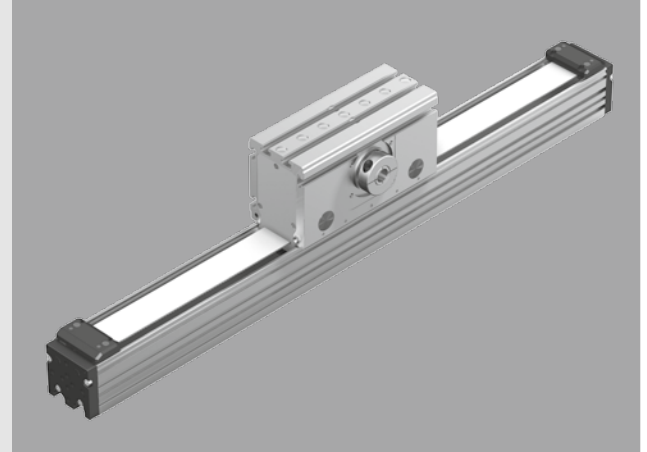
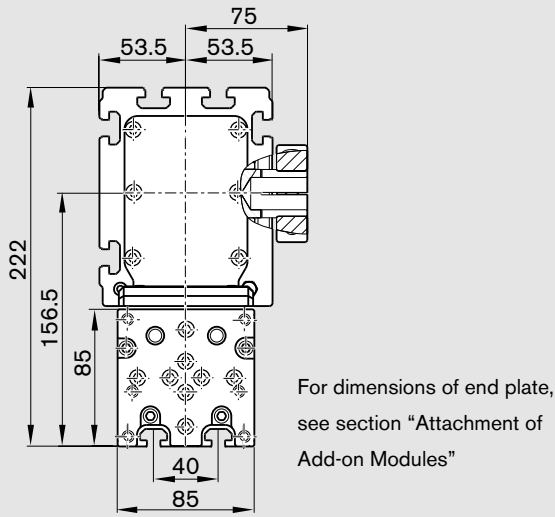
The excess travel s_e must be longer than the braking distance. The acceleration travel can be taken as a guideline value for the braking distance.



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Dimensions

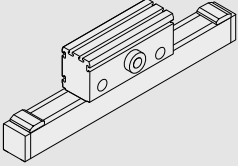
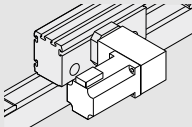
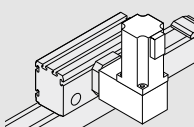
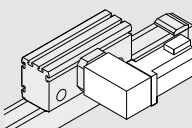
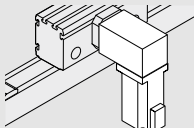
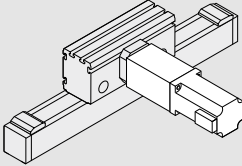




Motor	Dimensions (mm)					
	Gear unit			Motor		
	L _{ge}	C	L _{ge}	D	without brake	L _m with brake
MSK 050C	192.5	124.5	142	98	203.0	233.0
MSM 041B	187.5	124.5	142	80	112.0	149.0

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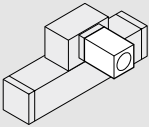
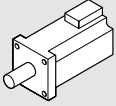
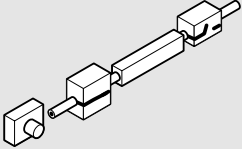

Components and Ordering Data

Part number, length R1144 600 00, mm		Guideway	Drive unit		Carriage		
Version			Reduction		$L_{ca} = 330$ mm without	$L_{ca} = 366$ mm with	
			i = 1	i = 9	Clamping unit	Clamping unit	
With drive unit (MA), w/o gear reducer $i=1$	MA01 	01	Clamping shaft	01	-	01	02
With gear reducer (MG), angled gear reducer WPLE	MG01 	01	Angled gear reducer at left / at top / at right / at bottom	-	10	01	02
	MG02 						
	MG03 	01	Angled gear reducer at left / at top / at right / at bottom	-	10	01	02
	MG04 						
With gear reducer (MG), straight gear reducer PLE	MG10 	01	Straight gear reducer at side	-	10	01	02

Ordering example: see "Inquiry/Order"

L_{ca} = carriage length

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

Motor attachment				Motor	Switches / Cable duct / Socket-plug		Documentation
							 Standard report
Reduction $i =$	Attachment kit ¹⁾ MG01 MG02 MG03 MG04		for motor	without with Brake			
-	00		-	00	Without switch and cable duct 00 <hr/> Carriage travels Switches: - PNP NC 71 ± ... mm - PNP NO 73 ± ... mm - Mechanical 75 ± ... mm Ordering data: Switch type Travel direction Switching distance <hr/> Cable duct – length 20 - ... mm <hr/> Socket-plug 17 <hr/> One switching strip 36 <hr/> Frame travels Switches: - PNP NC 61 ± ... mm - PNP NO 63 ± ... mm - Mechanical 65 ± ... mm <hr/> Socket-plug 17 <hr/> One switching strip 42 <hr/> Two switching strips 43		01
$i = 9$	31	32	MSK 076C	92	93		
$i = 9$	30		MSK 076C	92	93		

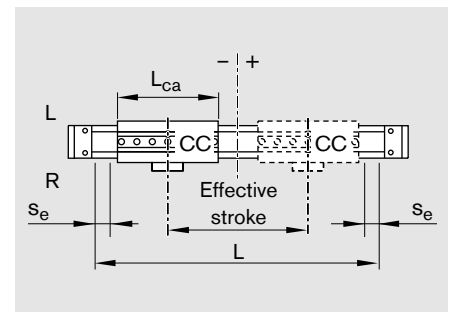
1) Attachment kit also available without motor (when ordering: enter "00" for motor)

Length L:

$$L = (\text{effective stroke} + 2 \cdot \text{excess travel } s_e) + 160 \text{ mm} + L_{ca}$$

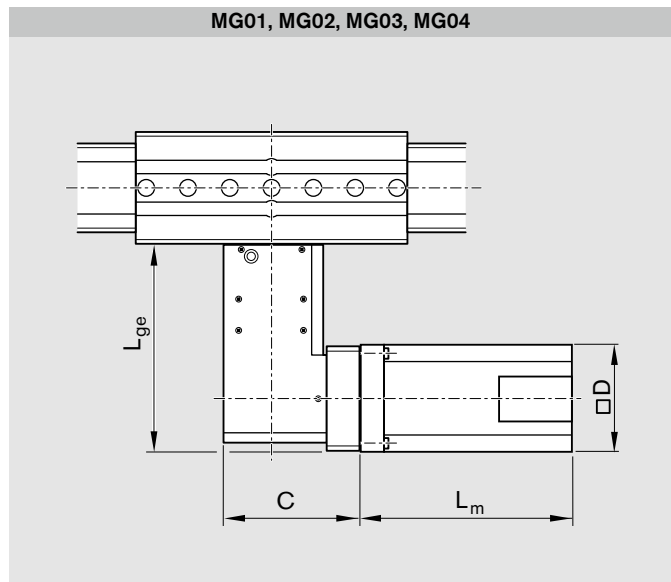
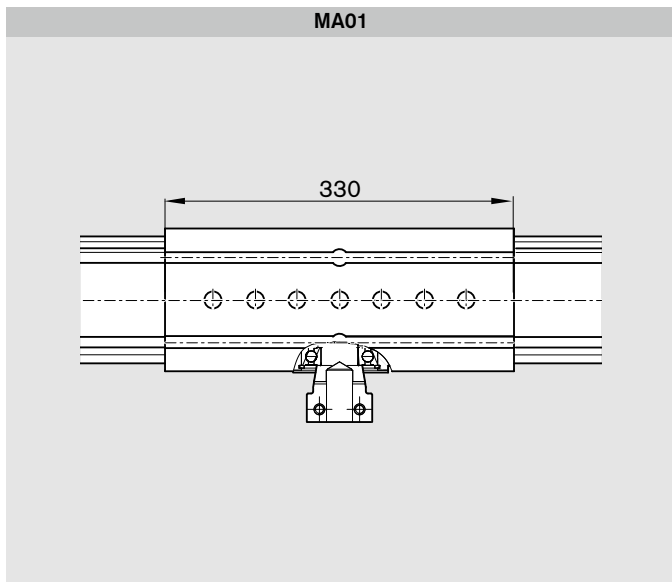
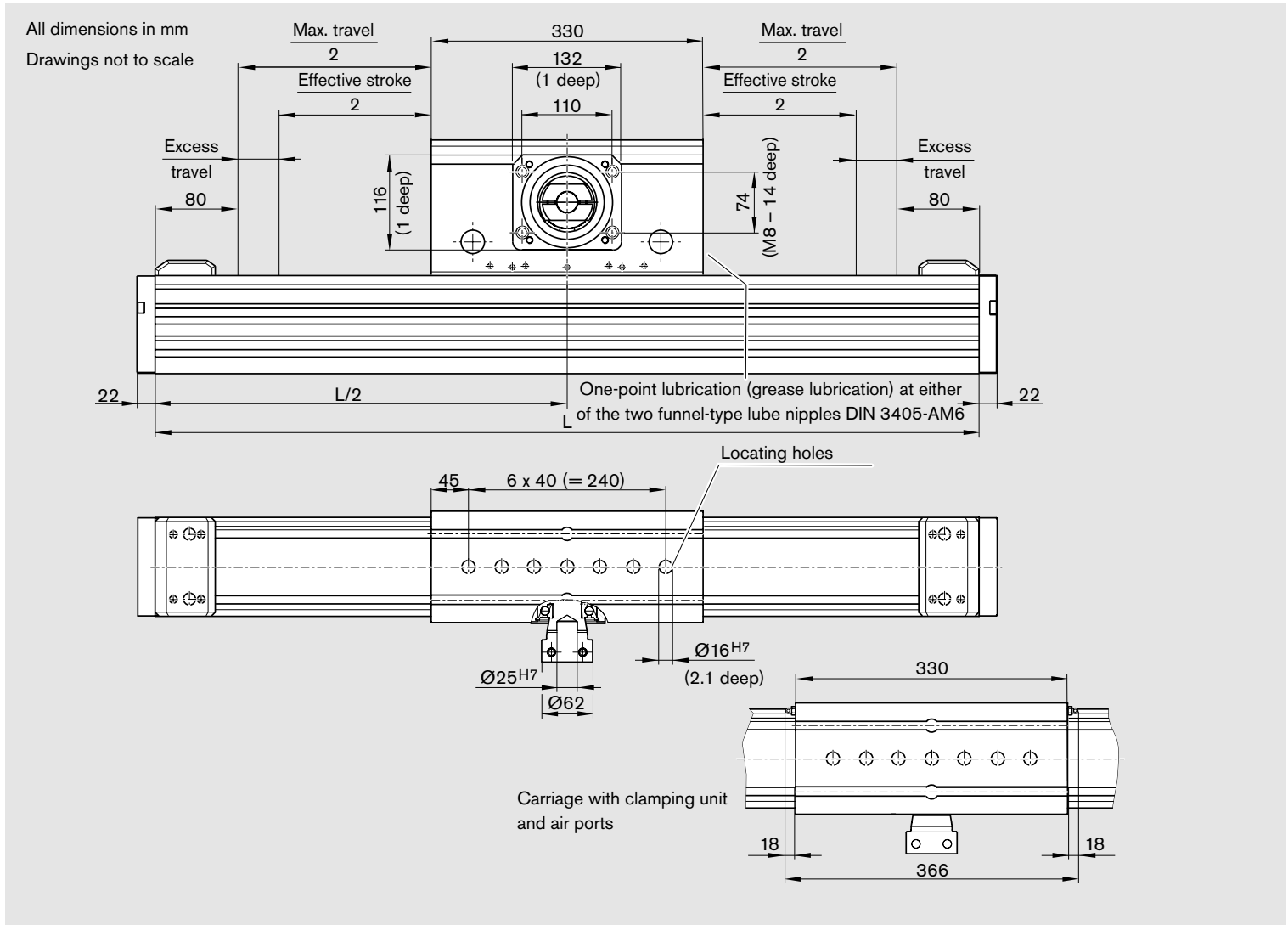
Effective stroke = maximum travel of carriage center (CC) between the outermost switch activation points.

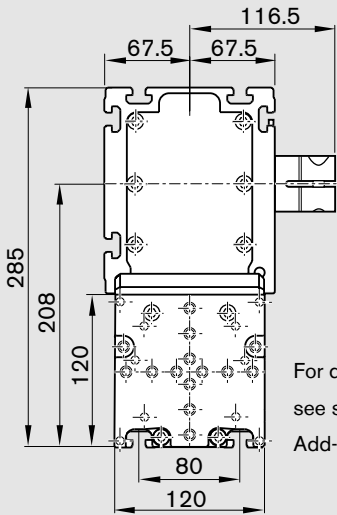
The excess travel s_e must be longer than the braking distance. The acceleration travel can be taken as a guideline value for the braking distance.



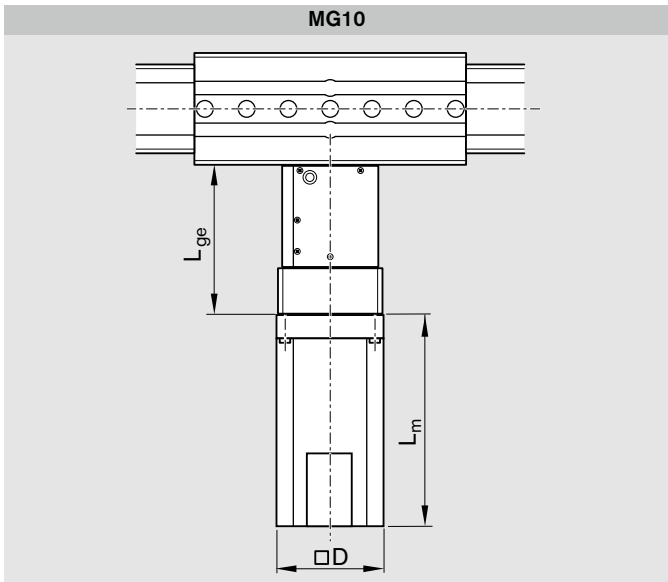
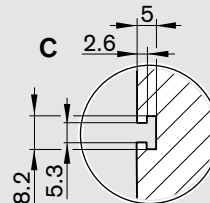
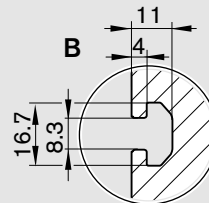
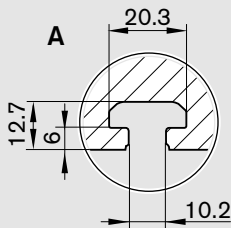
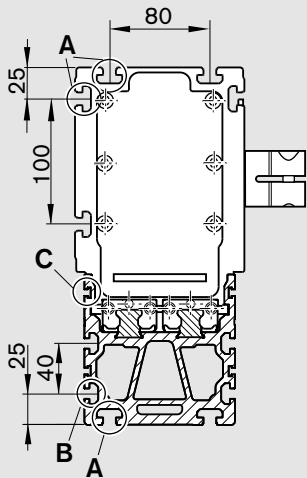
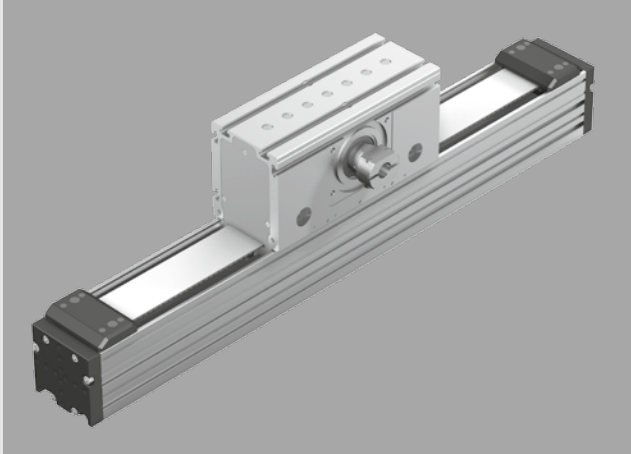
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Dimensions





For dimensions of end plate, see section "Attachment of Add-on Modules"



Motor	Dimensions (mm)			Motor		
	L _{ge}	C	L _{ge}	D	without brake	L _m with brake
MG01	287.5	155.5	212	140	292.5	292.5
MG02						
MG03						
MG04						
MSK 076C	287.5	155.5	212	140	292.5	292.5