Ordering Code

WMOS - TB - 065 - _ _ _ _ - _ _ _ _ - _ _ - _ _ _ - _ _ - _ _

1	2	3	4	5	6	7	8
Model	Drive Unit	Size	Stroke	Lead	Driving Side	Mounting Kit Model	Mounting Kit Assembly

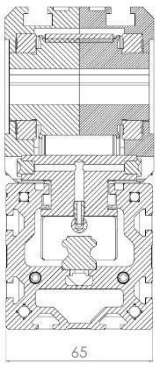
1 - Model

WMOS: Belt Driven Linear Module

2 - Drive Unite

TB: Timing Belt

3 - Size



WMOS - TB - 065

4 - Stroke

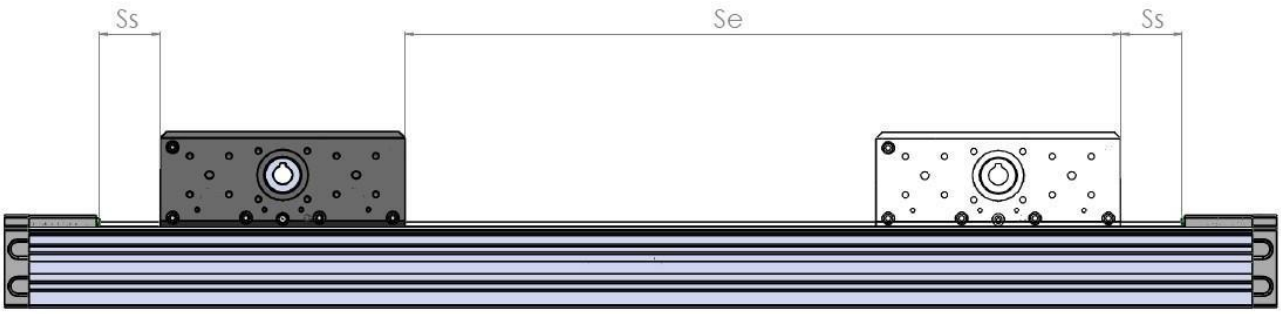
0000: Maximum 2685 mm

Movement Stroke

In addition to the desired movement stroke, it is recommended to leave a space on both sides until Ss.

Sm = Se + 2.Ss
Ss = 50 mm

Sm : Movement Stroke
Se : Safety Stroke



5 - Lead

140 : 140 mm/rev

Ordering Code

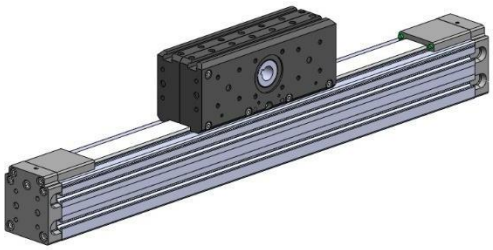
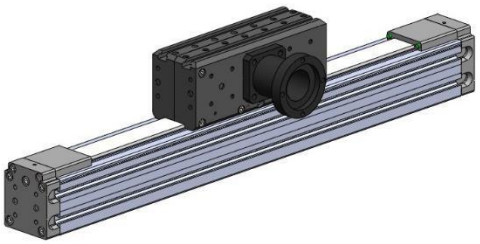
WMOS - TB - 065 - _ _ _ _ - _ _ _ _ - _ _ - _ _ _ - _ _ - _ _

1	2	3	4	5	6	7	8
Model	Drive Unit	Size	Stroke	Lead	Driving Side	Mounting Kit Model	Mounting Kit Assembly

6 - Ordering Code

00 - Standard	01	02
		

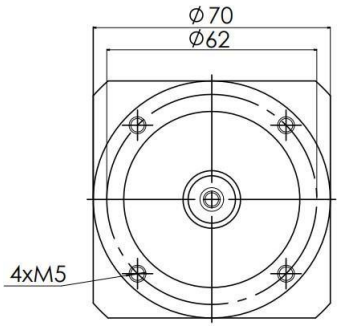
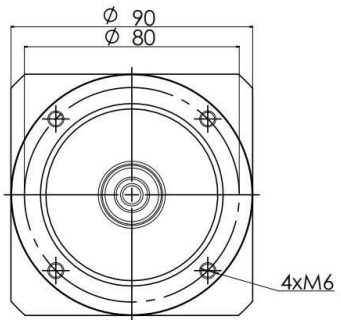
7 - Mounting Kit Model

	
00 : Without Mounting (Standard)	**01 : WDAK Axial Kit**

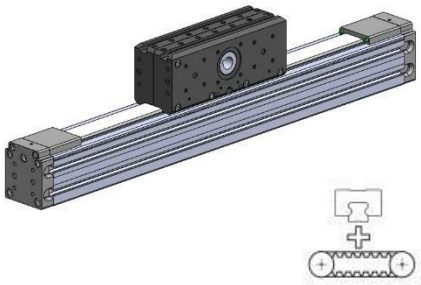
Note 1 : Please contact for different motor types and mounting sizes.

Note 2 : Please contact for to use gearbox.

8 - Mounting Kit Assembly

		
00 :Without Motor (Standard)	**070 : Ø70 reducer mounting**	**090 :Ø90 reducer mounting**

WINMAN WMOS-065 Series Omega Belt Driven Linear Modules



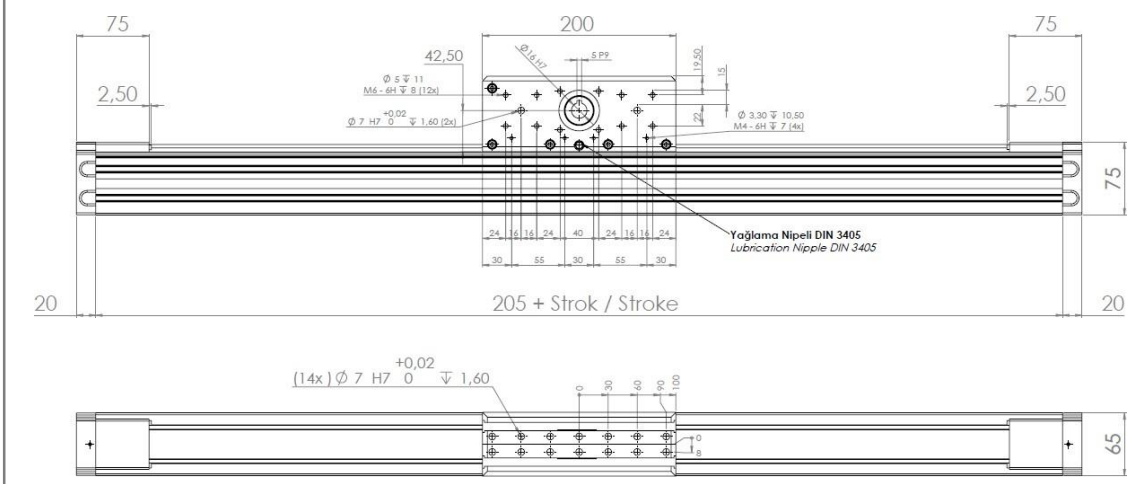
Specification	Mounting by the Drive Block	Mounting by the Profile
Maximum Stroke [mm]	880	2685
Minimum Stroke [mm]	60	
Repeating Accuracy [mm]	< 0,1	
Speed [m/s]	≤ 5,0	
Acceleration [m/s²]	50	

Dynamic Load Capacity [Nm]	Dynamic Torsional Moment Load Capacity [Nm]	
C	M_t	M_L
19258	148	1183

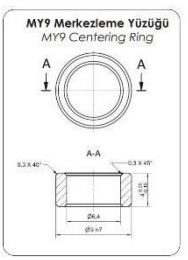
Maximum Permissible Torsional Moment Around The Axis [Nm]			Maximum Dynamic Load in Directions [Nm]	
M_X max	M_Y max	M_Z max	F_Y max	F_Z max
47	372	372	6361	5709

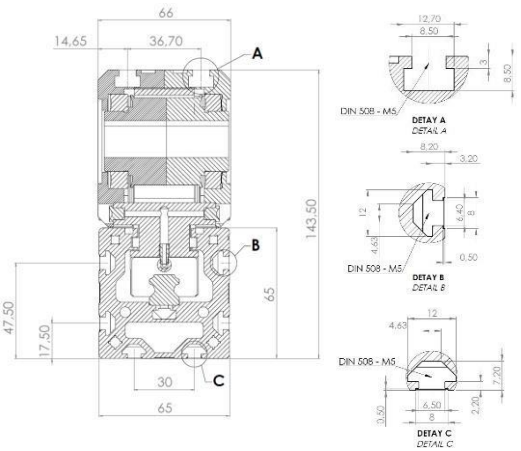
Note : Calculated value are theorical values. We recommend you to calculate safety factor as five (5).

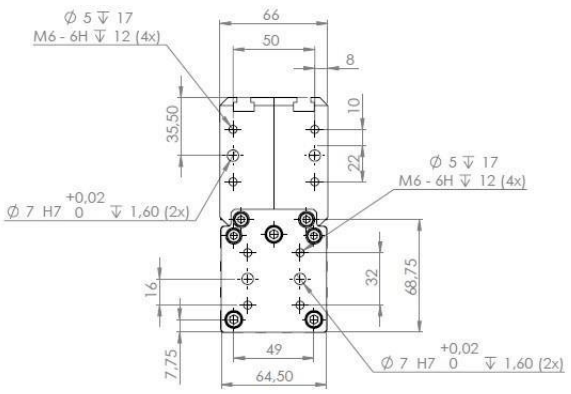
Technical Drawing

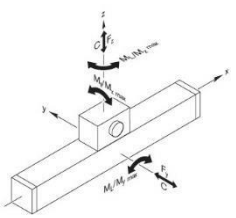


Order Code : 176199



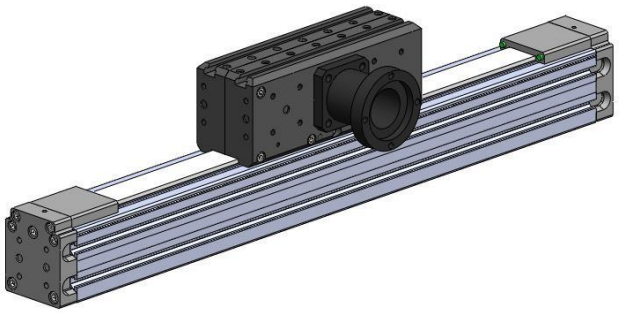


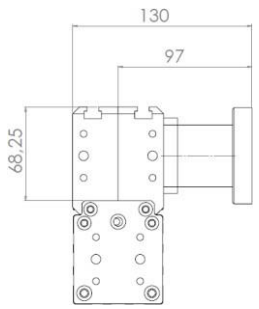


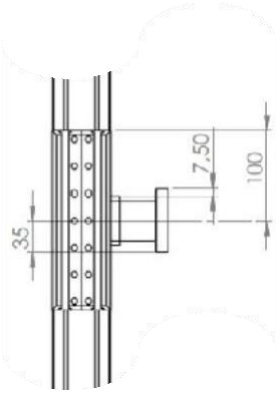


WDAK Axial Mounting Kit

Technical Drawing

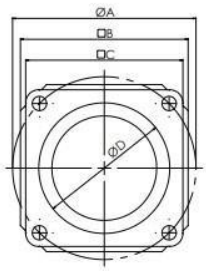


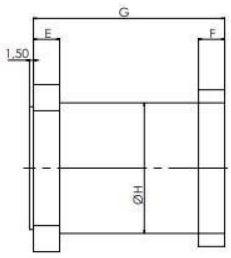


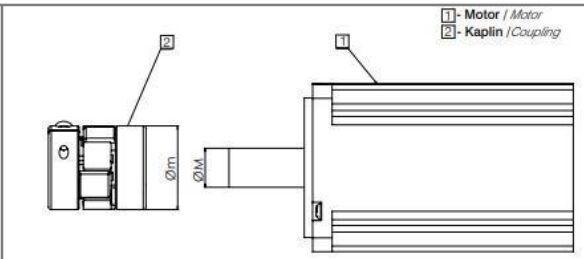


Bellhousing - Coupling

Motor Mounting



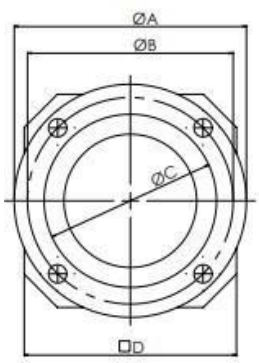


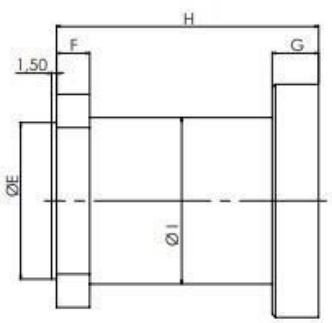


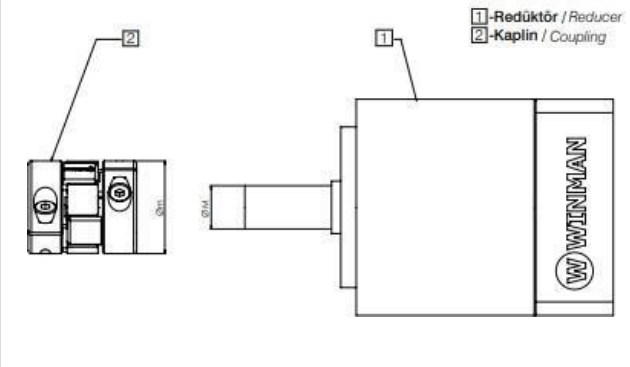
Motor Type	A	B	C	D	E	F	G	H
WDAK - 070	70	64	60	50	10	10	73	50
WDAK - 090	90	64	80	70	10	10	86	51

Motor Type	M	m	Coupling Model
WDAK - 070	14	30	WWJCL - 30CRD
WDAK - 090	19	40	WWJCL - 40CRD

Reducer Mounting



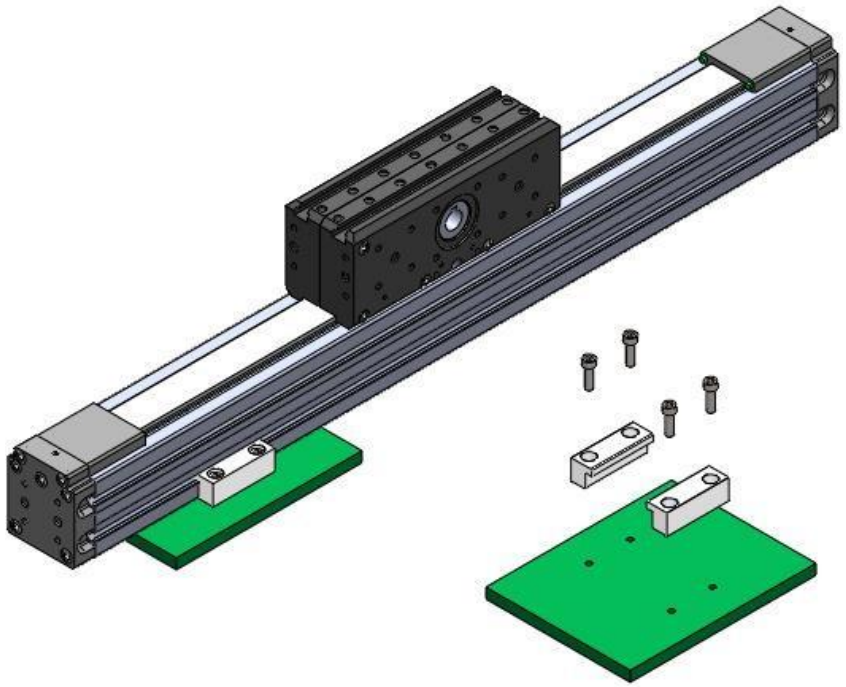




Motor Type	A	B	C	D	E	F	G	H	I
WDAK - 070	70	62	52	64	47	10	14	79	50
WDAK - 090	90	80	68	64	47	10	14	92	60

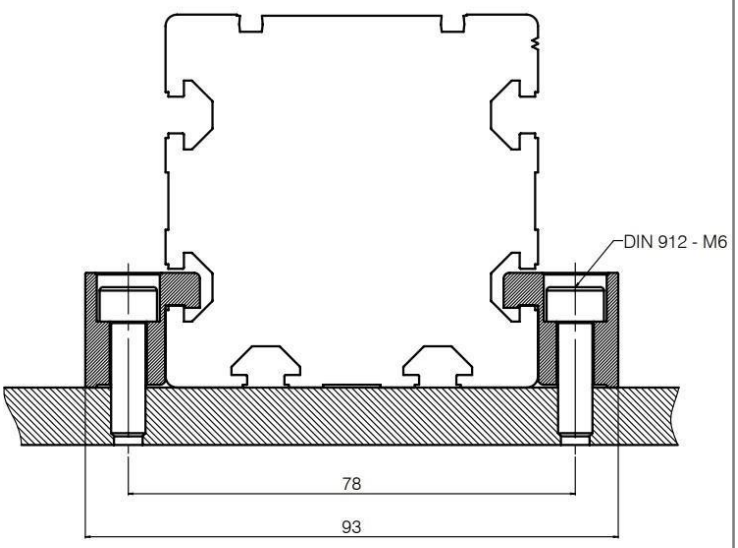
Motor Type	M	m	Coupling Model
WDAK - 070	14	30	WWJC - 30CRD
WDAK - 090	22	40	WWJC - 40CRD

Assembly

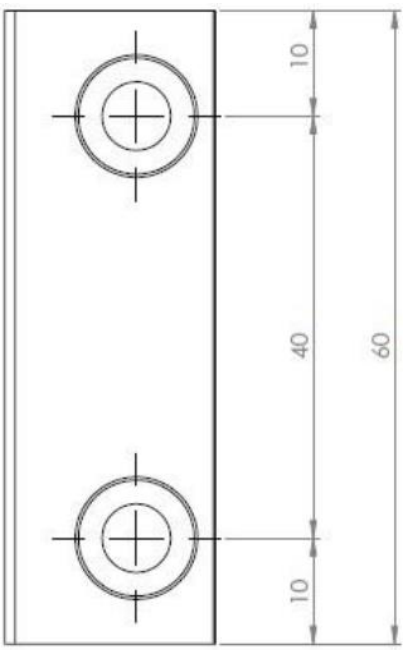


Order Code : 189360

Mounting Bracket

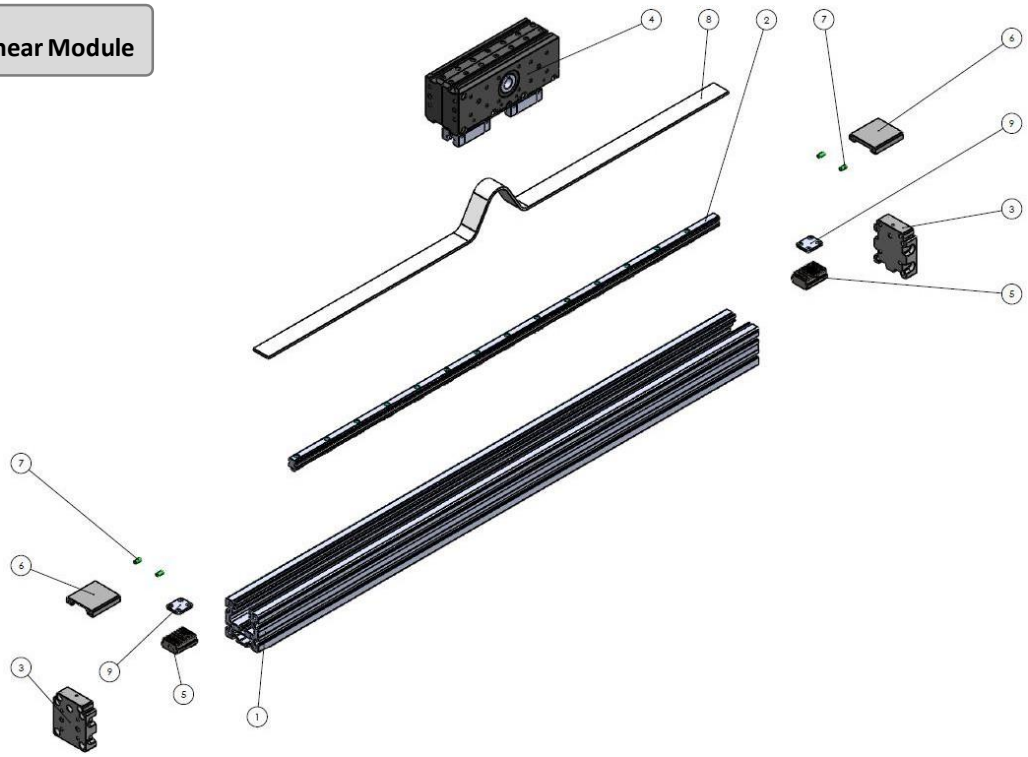


WMOS 065
Clamping Fixtures

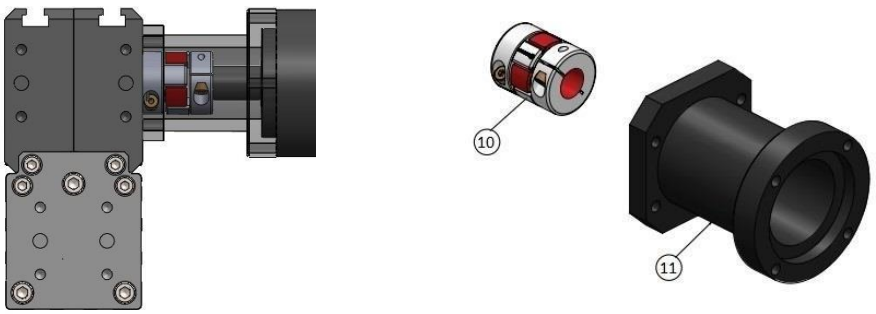


Assembly

WMCS Linear Module

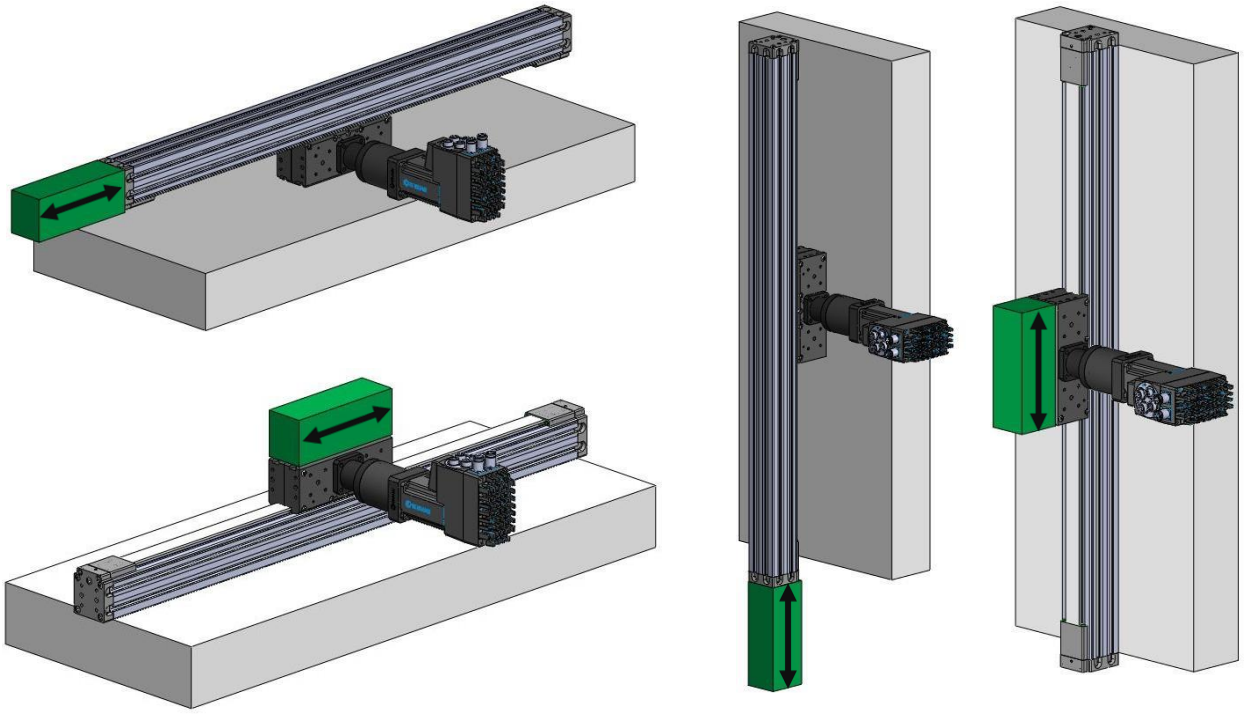


WDAK Axial Kit

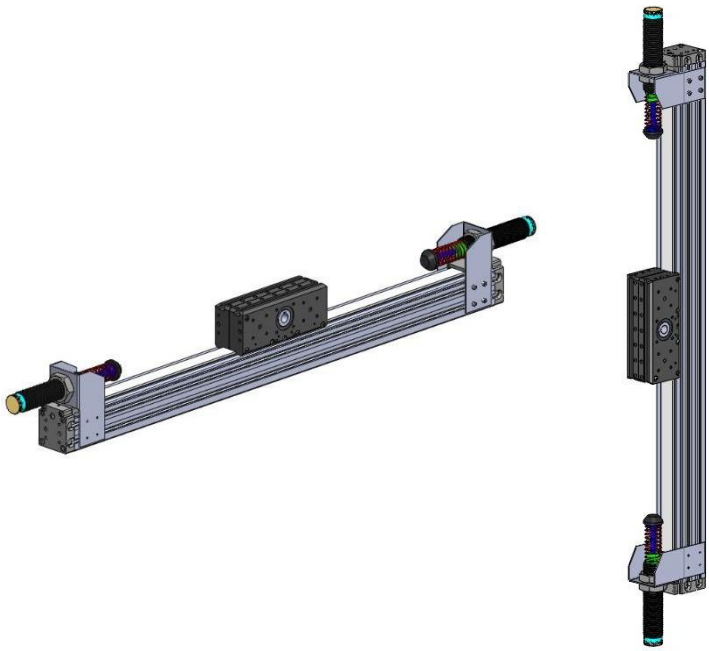


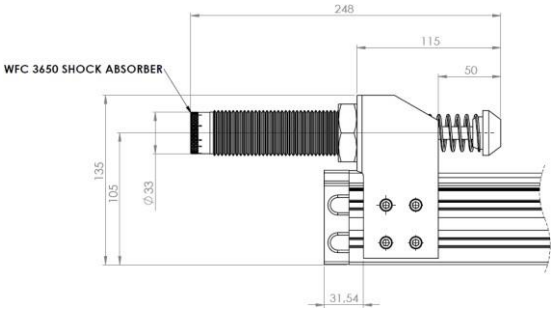
Piece	Qty	Part Name	Assembly
1	1	Profile	Module
2	1	Ball Screw	
3	2	Block	
4	1	Mounting Plate	
5	2	Belt Mounting Parts	
6	2	Block Part	
7	4	Block Holder	
8	1	Belt	
9	2	Belt Mounting Parts	
10	1	Coupling	Axial Kit
11	1	Bell Housing	

Mounting Orientation Horizontal



Shock Absorber





Order Code : 189362

Maintenance

Basic lubrication is done in-factory before shipment.

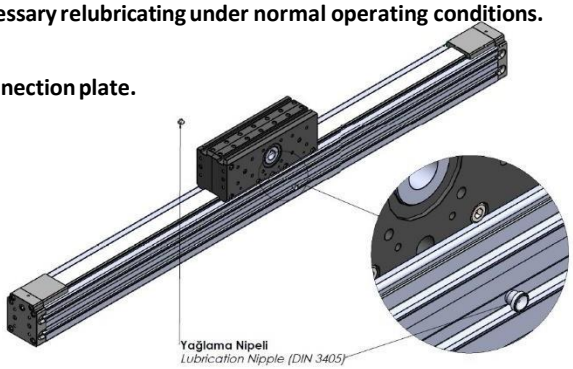
The bearings that support the gear pulleys on the carrier are not necessary relubricating under normal operating conditions.

For lubrication of the omega module, link for lubrication is in the connection plate.

Omega Modules are designed for grease lubricants only!

Lithium soap grease should be used.

Caution: Do not use grease containing graphite or MoS!



Lubrication is performed every 400 hours or 800 km total working distance by normal operating conditions.

Lubrication quantity is provided in table by normal operating conditions.

After lubrication, move the linear module along the stroke distance at least three times. Meanwhile, the moving speed should not exceed 10 mm/s.

Normal Working Conditions

Note : The lubrication quantity specified in the table is valid for normal operating conditions. The lubrication quantity may vary in different operating conditions. Get information for the lubrication quantity in different working conditions.

Ambient Temperature	**°C**	**10 ~ 40**
Speed	**m/s**	**≤ 3,0**
Load	**kN**	**≤ 0,2 C**
Stroke	**mm**	**> 60**
Lubrication Period	**km**	**800**
	hour	**400**
Lubrication Dose	**cm³**	**0,7**

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