

Ordering Code

WMCS - TB - 065 - _ _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ -

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

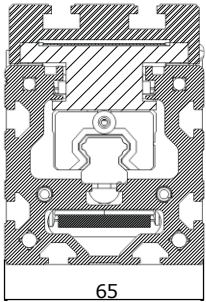
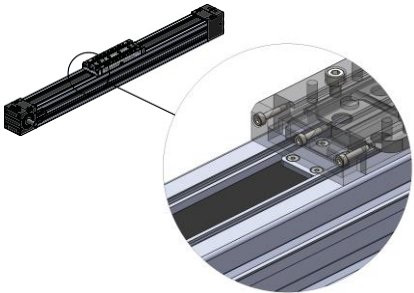
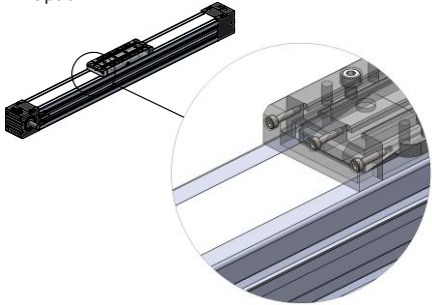
1 - Model

WMCS : Timing Belt Driven Linear Module

2 - Drive Unit

TB : Timing Belt

3 - Size

 <p>65</p> <p>WMCS - TB - 065</p>	<p>Standard</p>  <p>---_---</p>	<p>Option</p>  <p>Strap Protection</p> <p>---_KK</p>
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4 - Stroke

0000 : Maximum 2750 mm

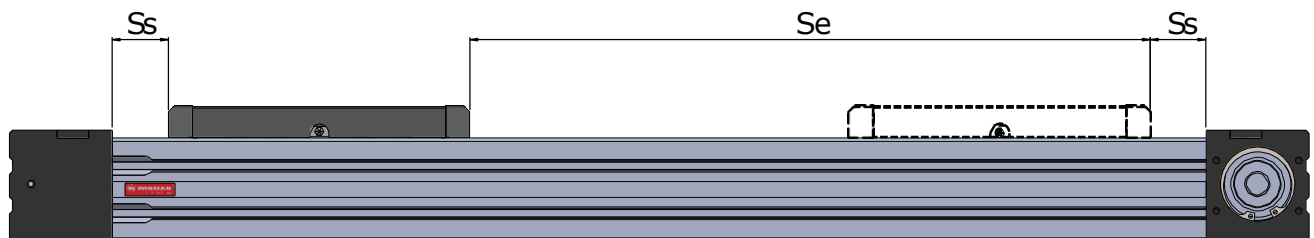
Movement Stroke

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

$$S_m = S_e + 2 \cdot S_s$$

$$S_s = 50 \text{ mm}$$

S_m : Movement Stroke
 S_e : Safety Stroke



5 - Lead

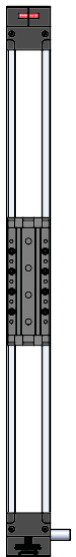
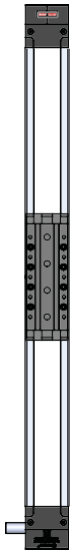
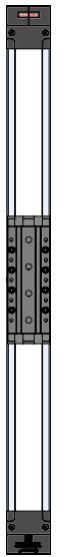
140 : 140 mm/rev

Ordering Code

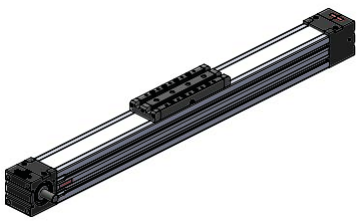
WMCS - TB - 065 - _ _ _ _ _ - _ _ _ _ _ - _ _ _ _ _ - _ _ _ _ _ - _ _ _ _ _

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

6 - Driving Side

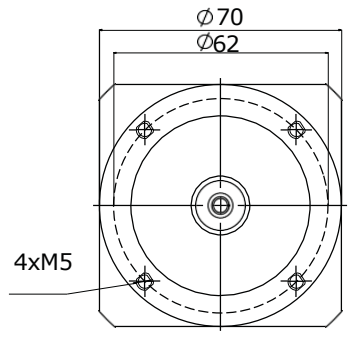
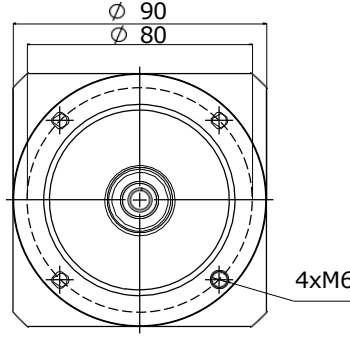
00- Standard	01	02
		

7 - Mounting Kit Model

	
00 : Without Mounting (Standard)	WDAK : Axial Kit

Note 1 : Please contact for different motor types and mounting sizes.
 Note 2 : Please contact for to use gearbox.

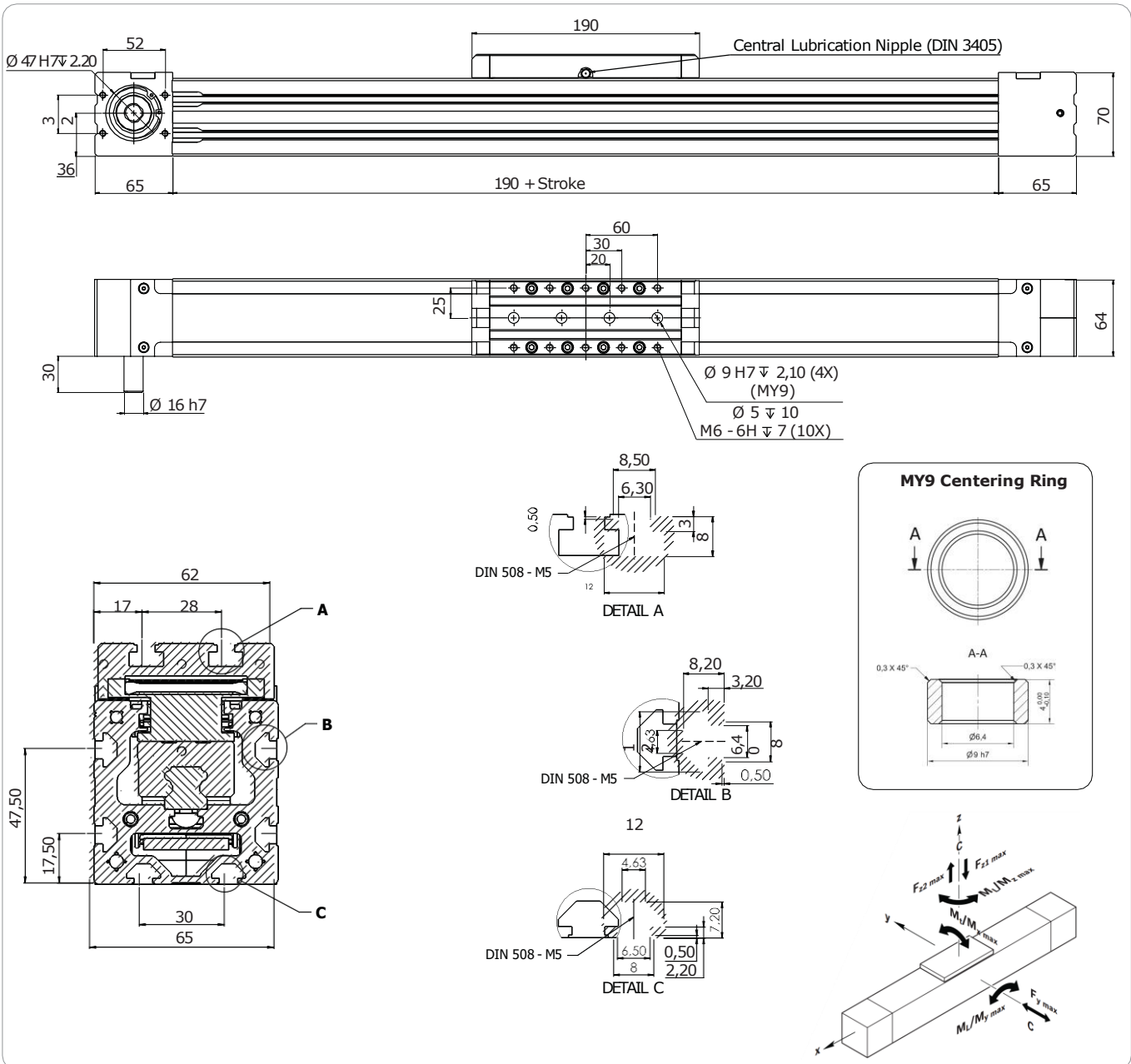
8 - Mounting Kit Assembly

00 : Without Motor (Standard)	 <p>4xM5</p>	 <p>4xM6</p>
	070 : Ø70 reducer mounting	090 : Ø90 reducer mounting

WINMAN WMCS-065 Series Timing Belt Driven Linear Modules

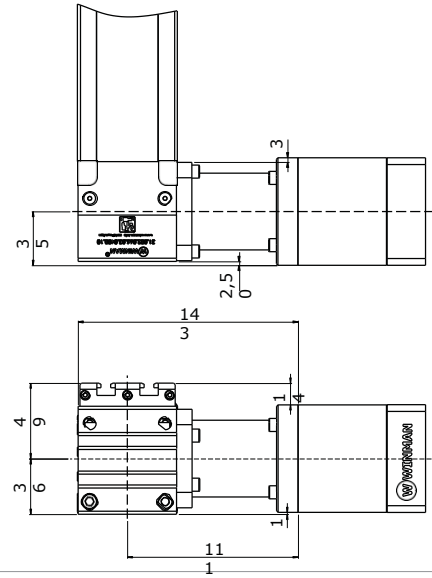
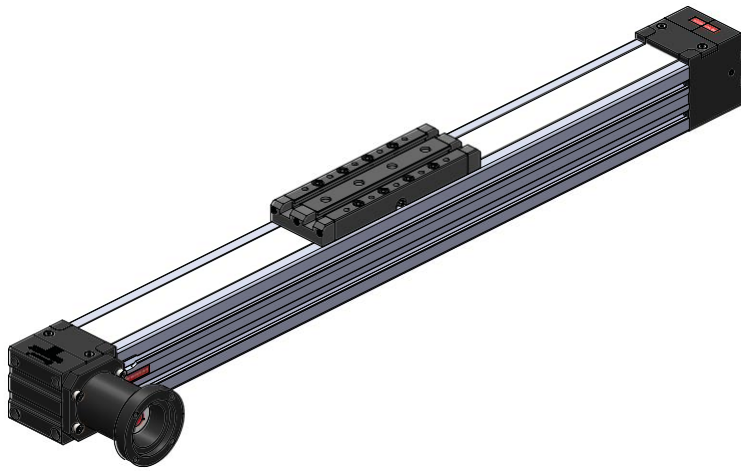

Specification					
Maximum Stroke [mm]			2750		
Minimum Stroke [mm]			60		
Repeating Accuracy [mm]			< 0,1		
Speed [m/s]			≤5,0		
Acceleration [m/s ²]			50		
Dynamic Load Capacity [kN]			Dynamic Torsional Moment Load Capacity [Nm]		
C			M _t	M _L	
18,5			275	1250	
Max. Permissible Torsional Moment Around The Axis [Nm]			Max. Dynamic Load in Directions [N]		
M _x max	M _y max	M _z max	F _y max	F _{z1} max	F _{z2} max
110	502	502	7375	7375	7375

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

Technical Drawing


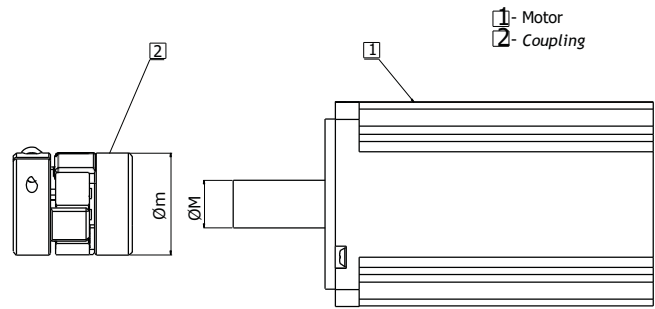
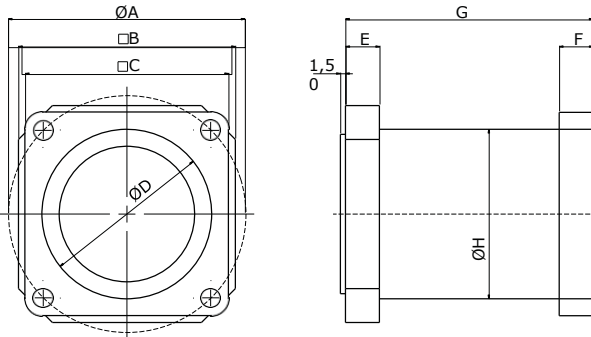
WDAK Axial Mounting Kit

Technical Drawing



Bellhousing-Coupling

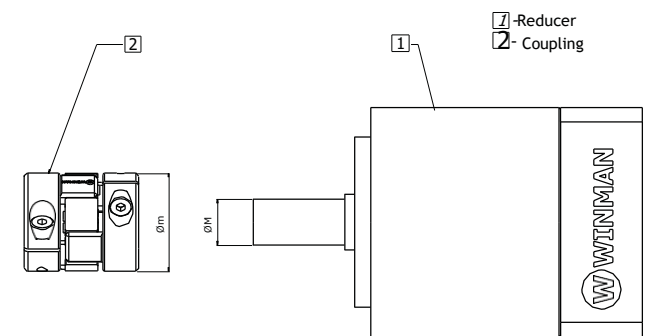
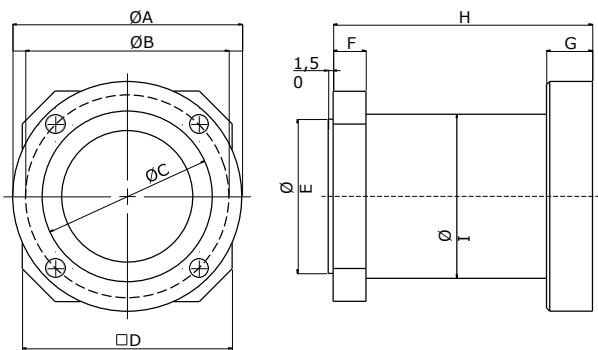
Motor Mounting



Motor Tipi Motor Type	A	B	C	D	E	F	G	H
WDAK - 070	70	64	60,0	50,0	10,0	10,0	73,0	50,0
WDAK - 090	90	64	80,0	70,0	10,0	10,0	86,0	51,0

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

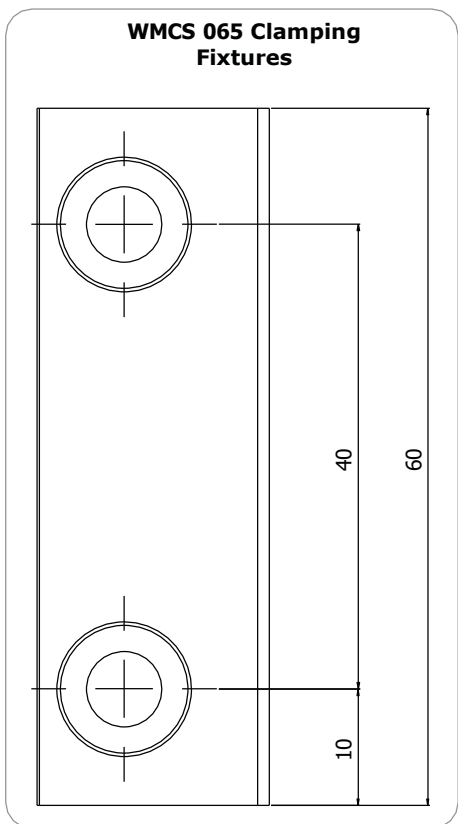
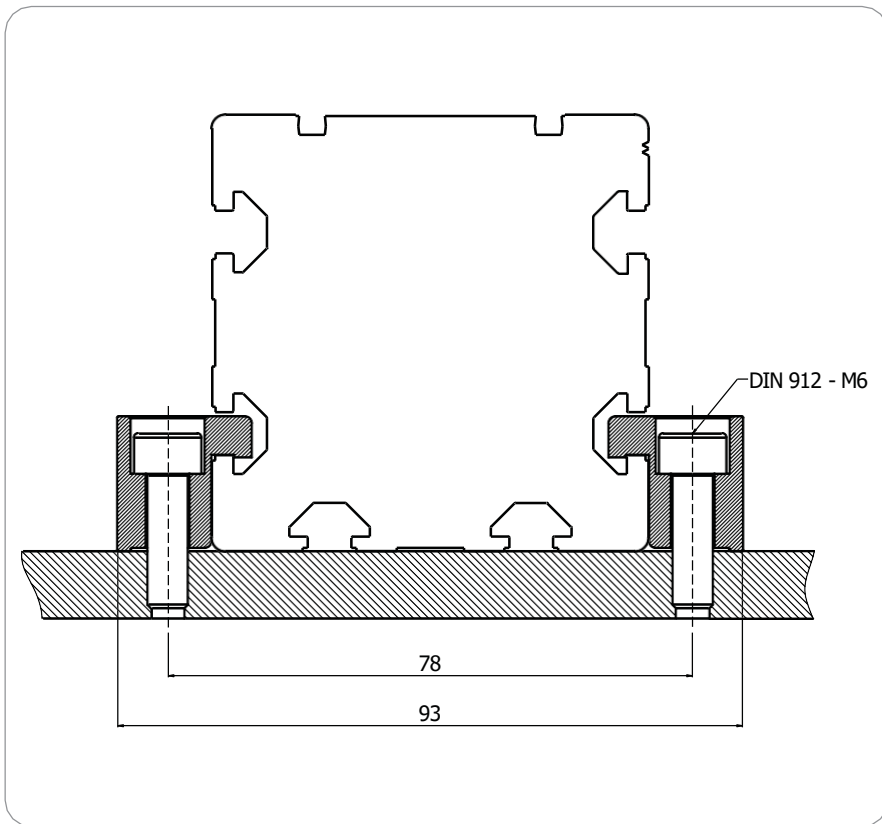
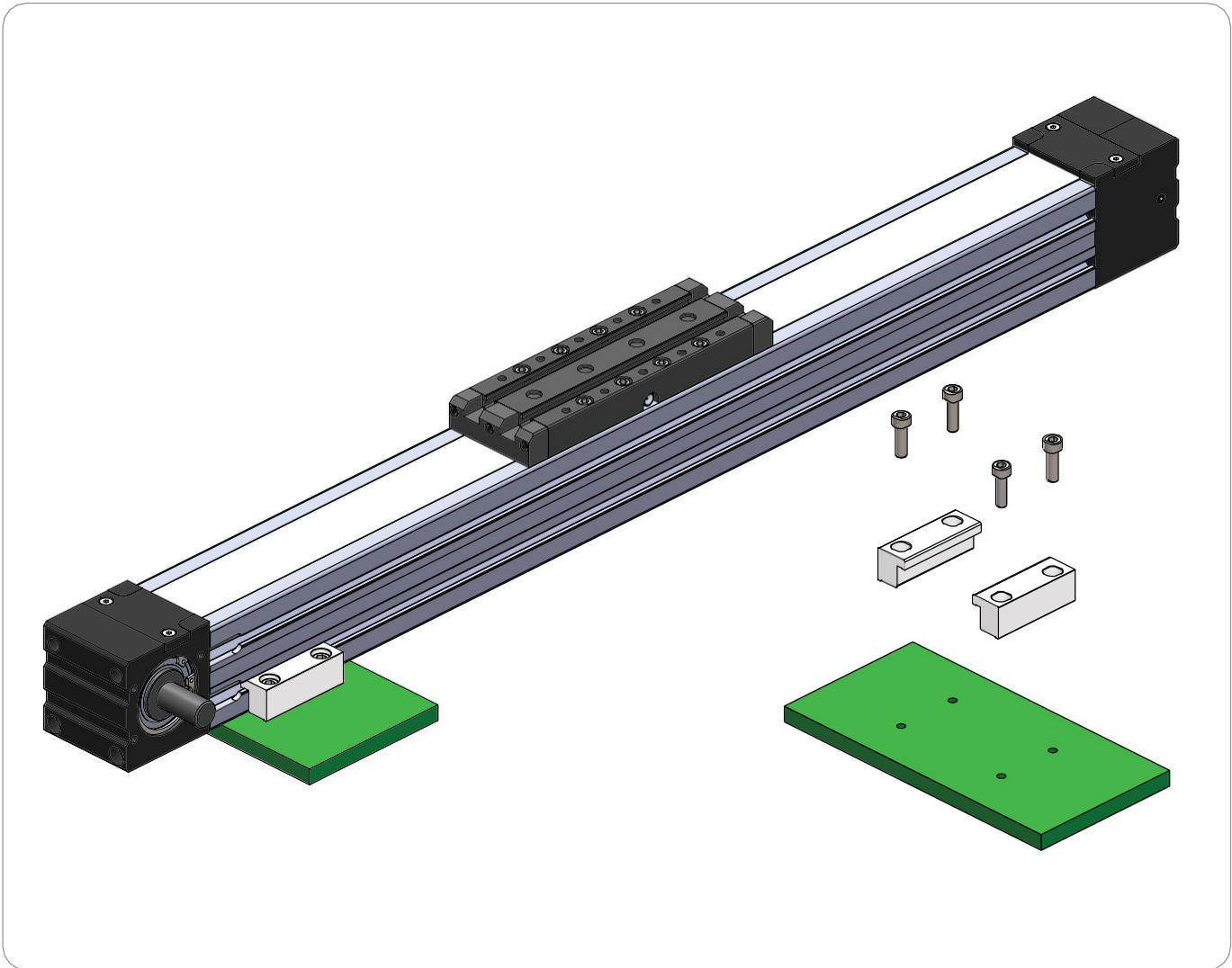
Reducer Mounting



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

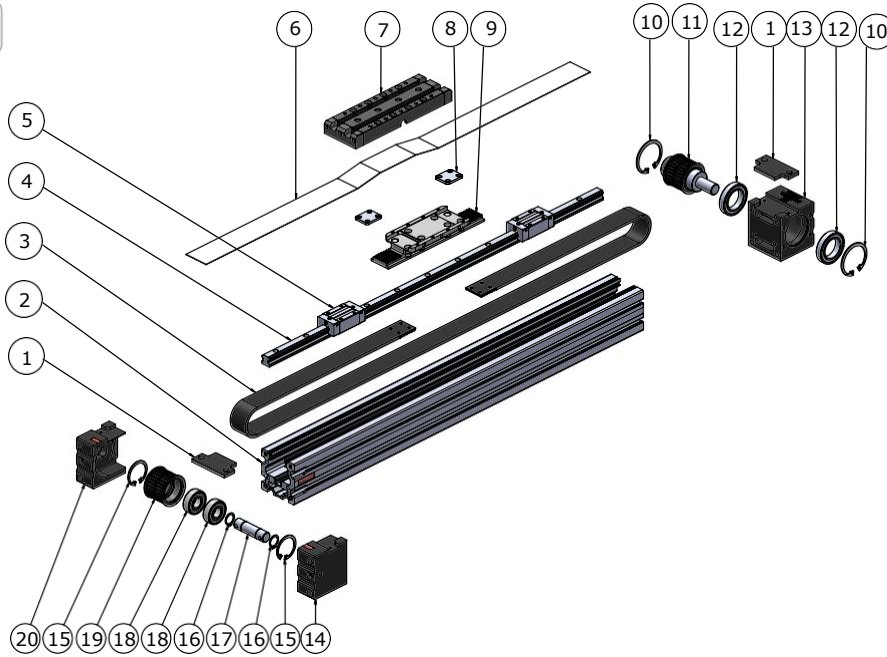
Reducer Type	M	m	Coupling Model
WPL-070	14	30	WWJC - 30CRD
WPL-090	22	40	WWJC - 40CRD

Assembly

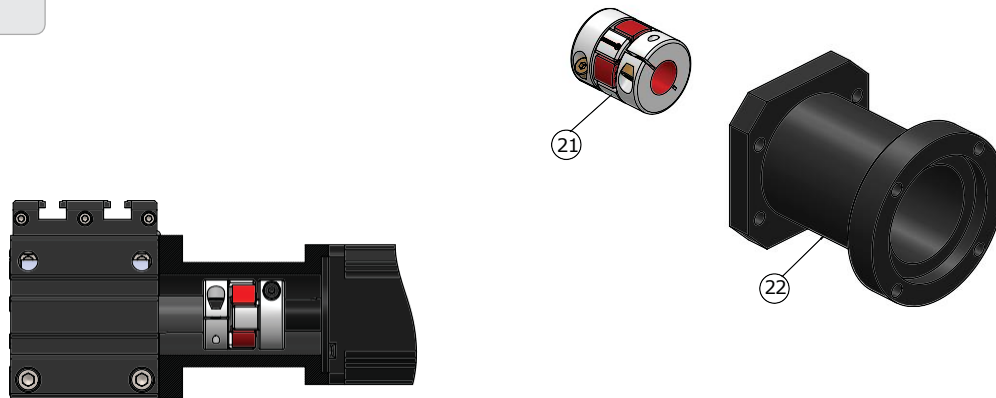


Assembly

WMCS Linear Module



WDAK Axial Kit



Piece	Qty	Part Name	Assembly
1	2	Protect Plate Mounting Parts	Module
2	1	Profile	
3	1	Timing Belt	
4	1	Ball Screw	
5	2	Linear Carriage	
6	1	Protect Plate	
7	1	Mounting Plate	
8	2	Belt Mounting Parts	
9	1	Interface Plate	
10	2	Security Clip	
11	1	Male Timing Belt Pulley	
12	2	Bearing	
13	1	Block	
14	1	Block Part 1	
15	2	Security Clip	
16	2	Shaft Security Clip	
17	1	Transmission Shaft	
18	2	Bearing	
19	1	Transmission Pulley	
20	1	Block Part 2	
21	1	Coupling	Axial Kit
22	1	Bellhousing	

Maintenance

Basic lubrication is done in-factory before shipment.

Bearings of the timing belt pulleys have been lubricated for life and will not require in-service lubrication under normal operating conditions.

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

Compact Modules are designed for grease lubricants only!

Lithium soap grease should be used.

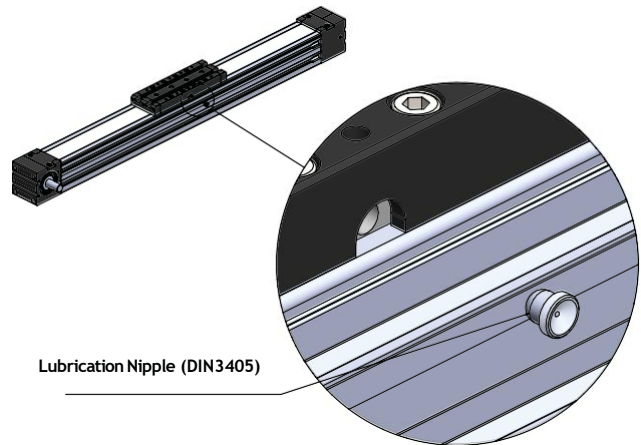
Caution: Do not use grease containing graphite or MoS!

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.

Belt tension adjustment; It is done at the factory during assembly. Get information to adjust the belt tension during maintenance.


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	≤ 5,0
Load	kN	≤ 0,2 C
Stroke	mm	> 60
Lubrication Period	Km	800
	Hour	400
Lubricate Dose	cm ³	2.5