Ordering Code

WMCS - TB - 040 - _ _ _ _ - _ _ _ - _ _ - _ _ _ - _ _ - _ _

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

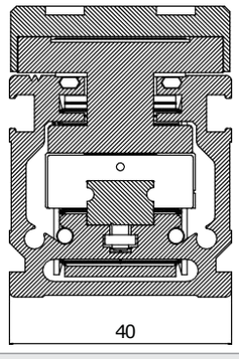
1 - Model

2WMCS : Timing Belt Driven Linear Module

2 - Drive Unit

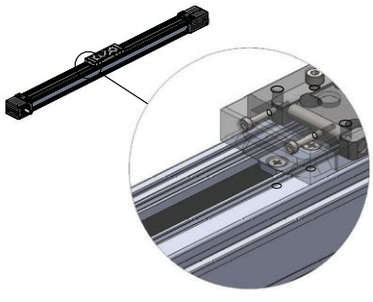
TB : Timing Belt

3 - Size



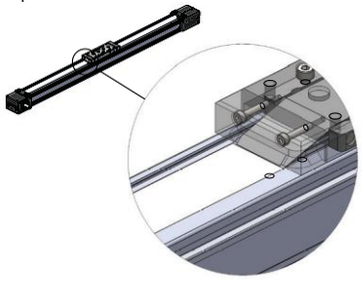
WMCS - TB - 040

Standard



- - - _ - -

Option



Strap Protection

- - - _ KK

4 - Stroke

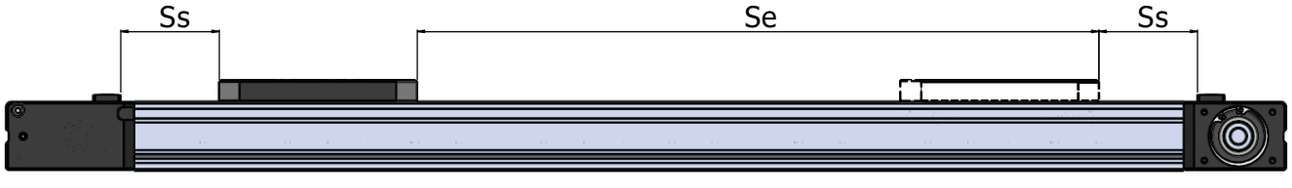
0000 : Maximum 2400 mm

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

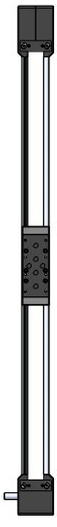
90 : 90 mm/rev

Ordering Code

WMCS - TB - 040 - _ _ _ _ - _ _ _ - _ _ - _ _ _ - _ _ - _ _

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

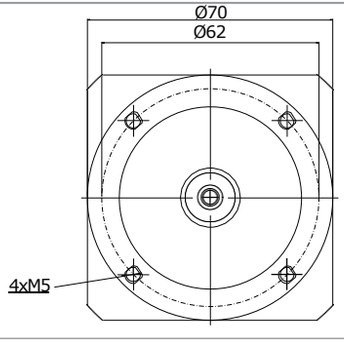
00- Standard	01	02
		

7 - Mounting Kit Model

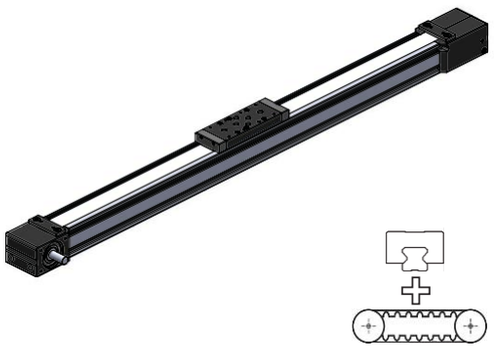
	
00 : Without Mounting (Standard)	WDAK : Axial Kit

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)	070 : Ø70 reducer mounting

WINMAN WMCS-040 Series Timing Belt Driven Linear Modules



Specification

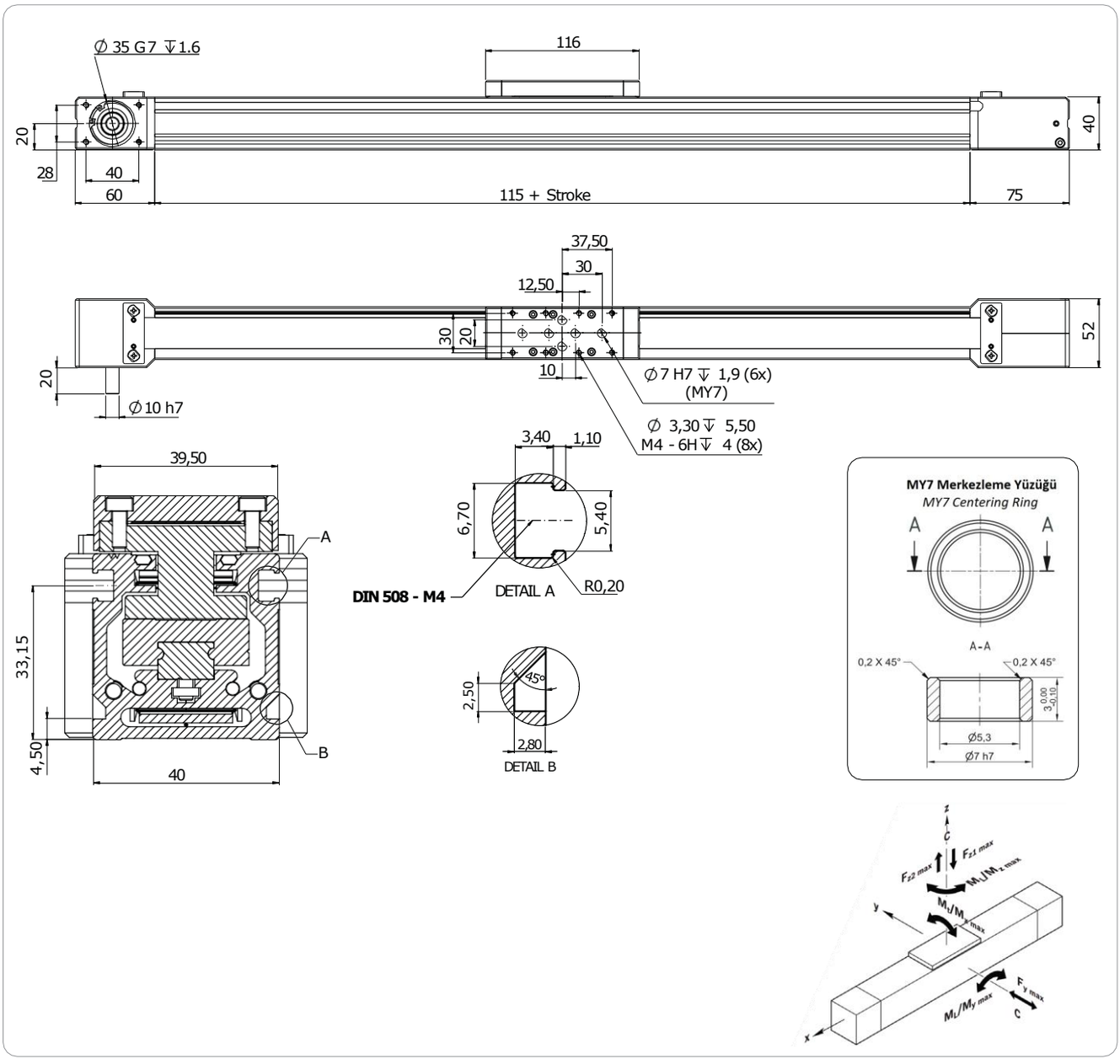
Maximum Stroke [mm]	2500
Minimum Stroke [mm]	60
Repeating Accuracy [mm]	< 0 ,1
Speed [m/s]	≤3,0
Acceleration [m/s²]	50

Dynamic Load Capacity [kN]	Dynamic Torsional Moment Load Capacity [Nm]	
C	M_t	M_L
4,7	27,2	130,4

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
13,6	65,2	65,2	2350	2350	2350

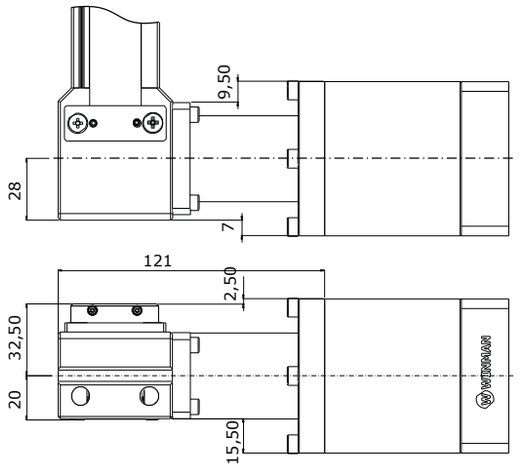
Note : Calculated value are theorical values. We recommend you to calculate safety factor as five(5).

Technical Drawing



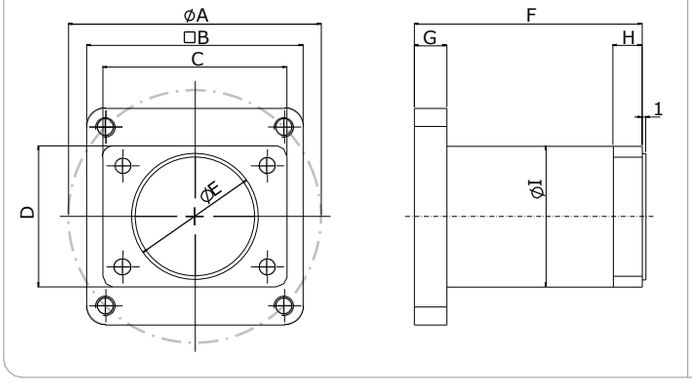
WDAK Axial Mounting Kit

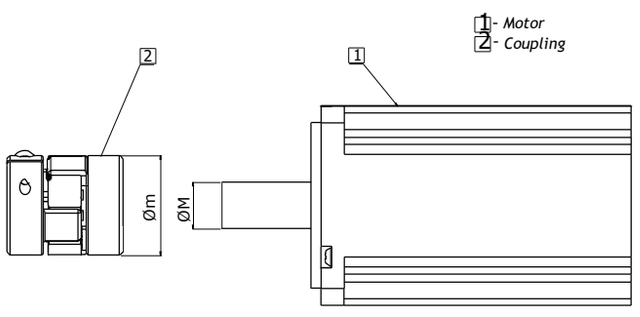
Technical Drawing



Bell housing-Coupling

Motor Mounting

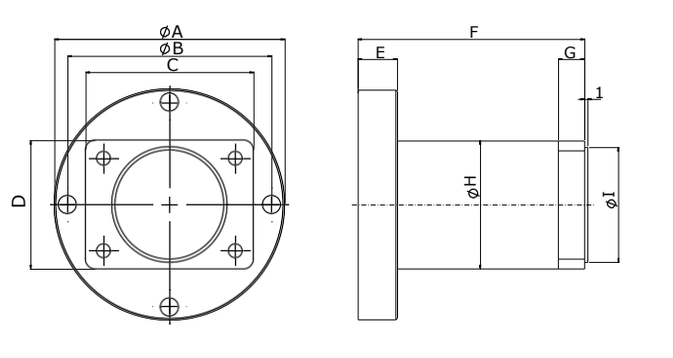


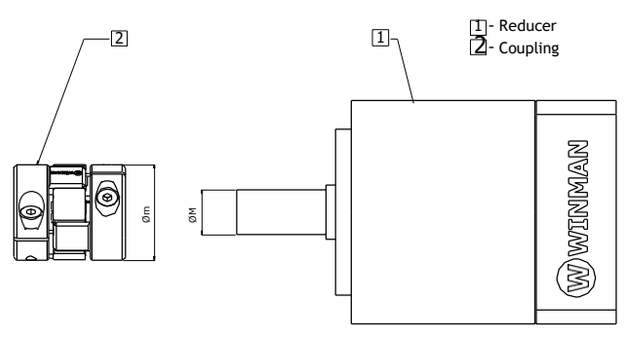


Motor Type	A	B	C	D	E	F	G	H	I
WDAK - 070	70	60	51	39	35	63	9	8	39

Motor Type	M	m	Coupling Model
WDAK-070	30	16	WWJC - 30CRD

Reducer Mounting

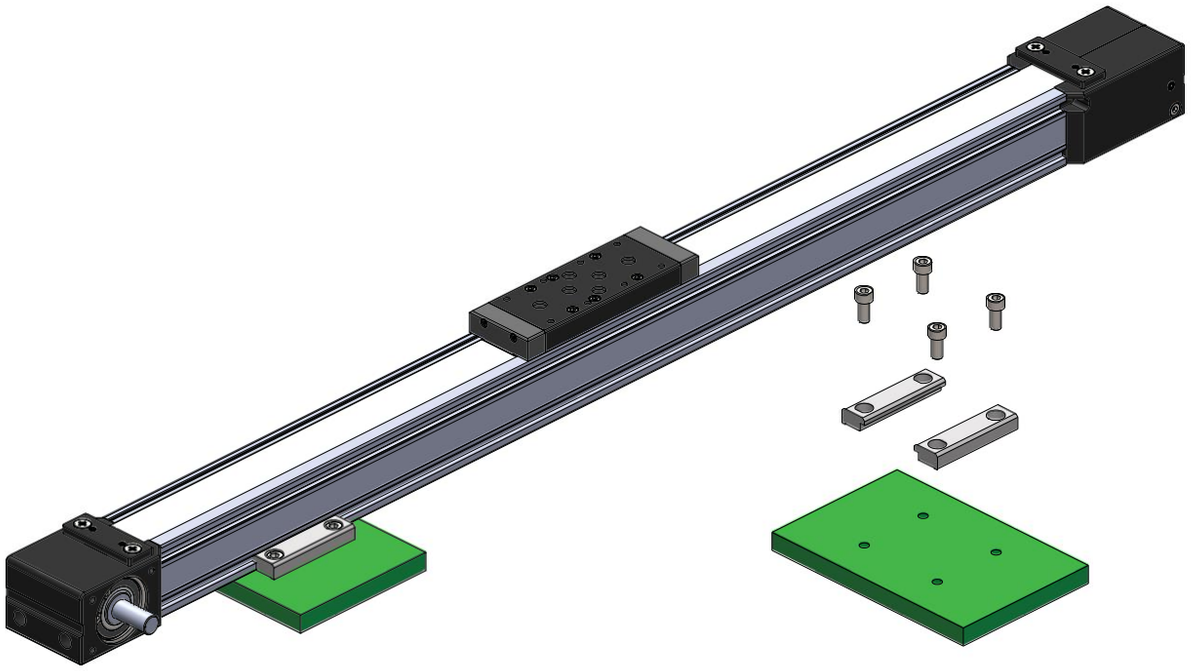


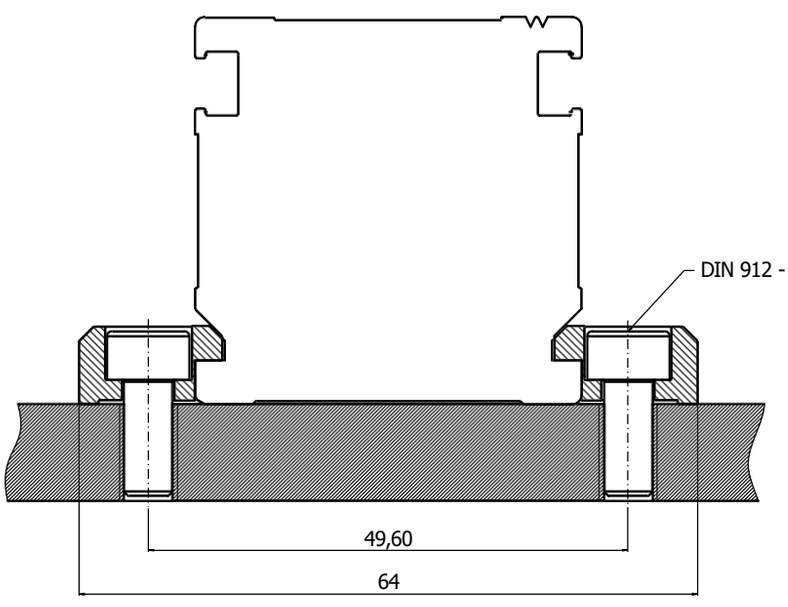


Reducer Type	A	B	C	D	E	F	G	H	I
WIE - 070	70	62	51	39	12	69	8	39	35

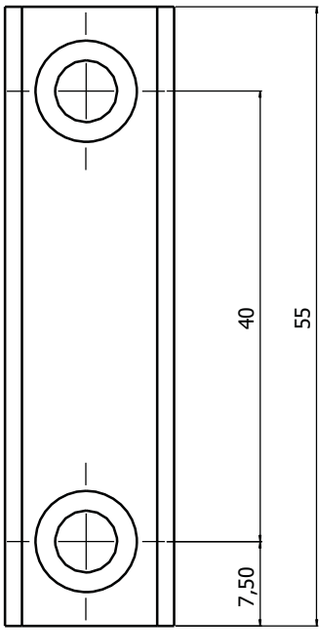
Reducer Type	M	m	Coupling Model
WIE-070	30	16	WWJC - 30CRD

Assembly



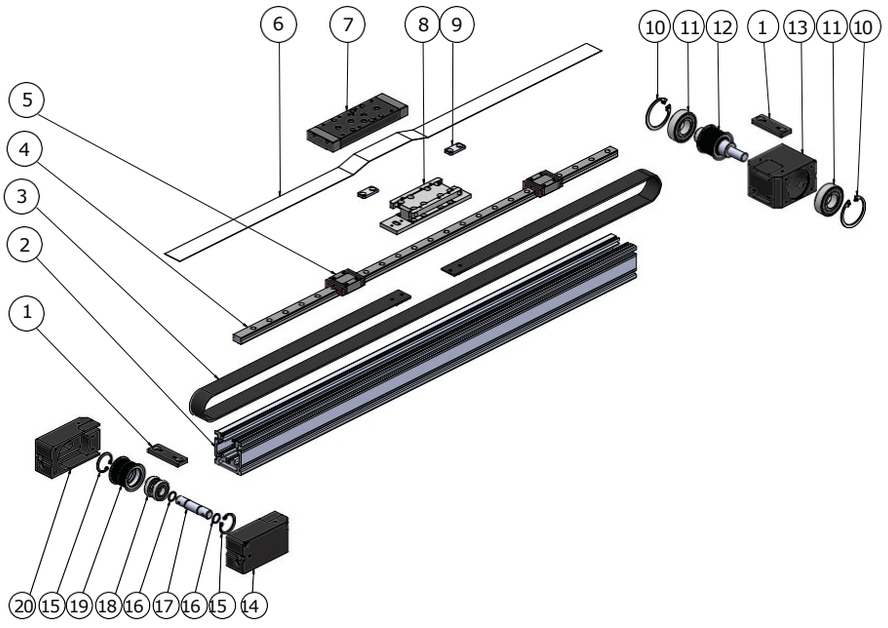


WMCS 040 Clamping Fixtures

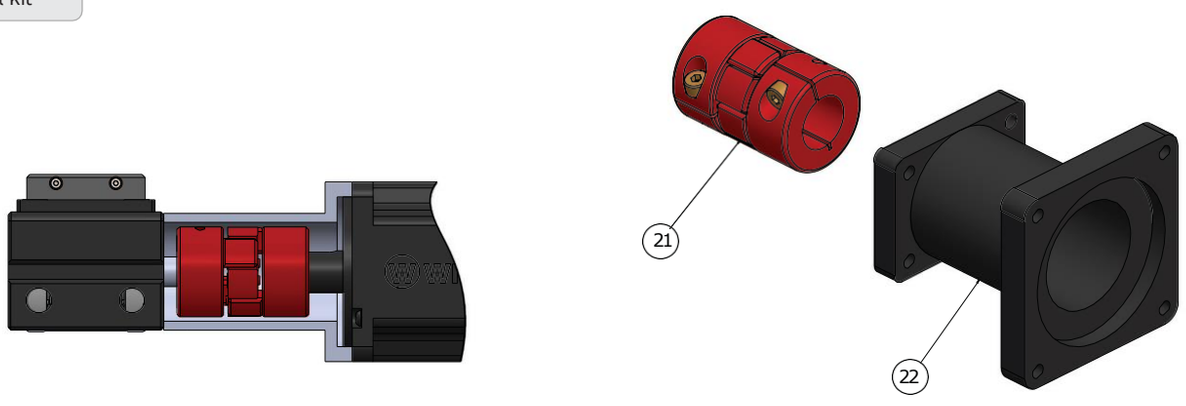


Assembly

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	1	Belt Mounting Parts	
9	2	Interface Plate	
10	2	Security Clip	
11	2	Bearing	
12	1	Male Timing Belt Pulley	
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	Bell housing	

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.

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.

Get information about lubrication during maintenance.

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 Temberature	°C	10 ~ 40
Speed	m/s	≤ 5,0
Load	kN	≤ 0,2 C
Stroke	mm	> 60
Lubrication Period	Km	800
	Saat / Hour	400
Lubricate Dose	cm^3	2.5