

Ordering Code

WMAB - BS - 020 -

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

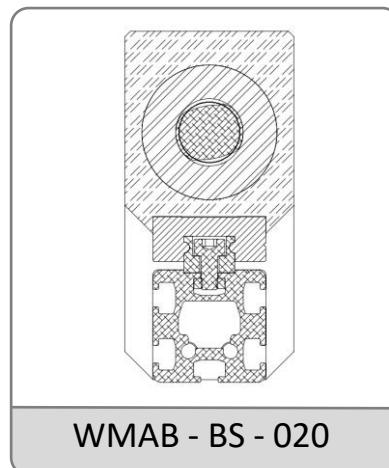
1 - Model

WMAB

2 – Drive Unite

BS: Ball Screw

3 - Size



4 - Stroke

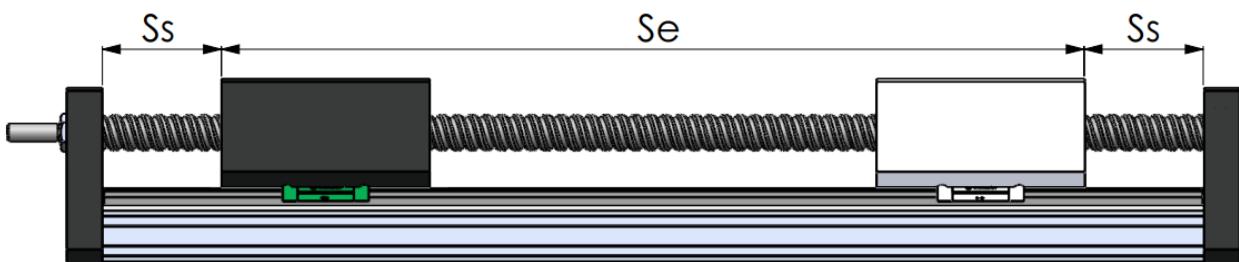
0000: Maximum 300 mm

Movement Stroke

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

$$\begin{aligned} Sm &= Se + 2.Ss \\ Ss &= 50 \text{ mm} \end{aligned}$$

Sm : Movement Stroke
Se : Safety Stroke



5 - Pitch

05 : 5 mm/rev

10 : 10 mm/rev

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Model	Drive Unit	Size	Stroke	Pitch	Driving Side	Mounting Kit Model

6 – Driving Side

00 - Standard



00 : Standard

WDAK – Axial Kit

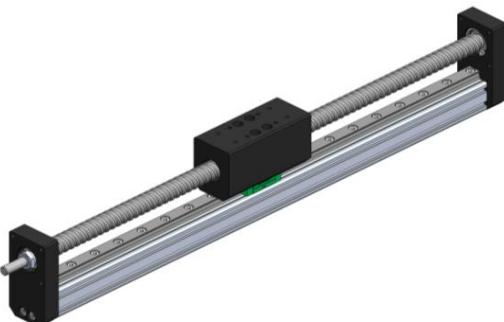


WDAK : Axial Kit (Standard)

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

Note 2 : Please contact for to use gearbox.

7 – Mounting Kit Model



00 : Without Mounting (Standard)



N17 : Nema 17

WINMAN WMAB-020 Series Ball Screws Driven Linear Modules



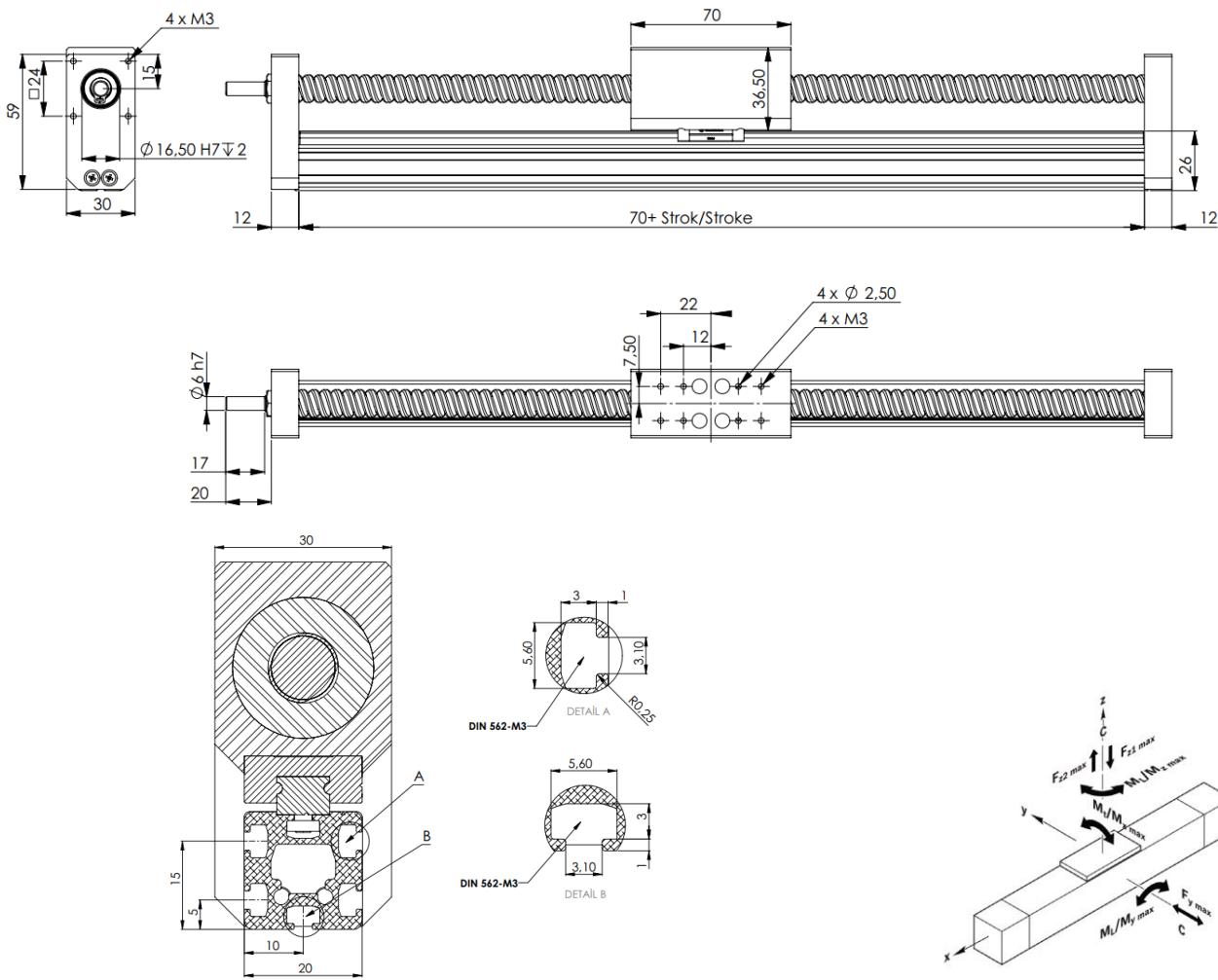
Note : Calculated value are theoretical values.
We recommend you to calculate safety factor as five (5).

Specification		Mounting by the Profile
Maximum Stroke [mm]		300
Minimum Stroke [mm]		60
Repeating Accuracy [mm]		< 0,05
Speed [m/s]		≤ 3,0
Acceleration [m/s ²]		30
Dynamic Load Capacity [Nm] / C _{dy}		83

Maximum Permissible Torsional Moment Around The Axis [Nm]		
M _x max	M _y max	M _z max
0,7	0,5	0,6

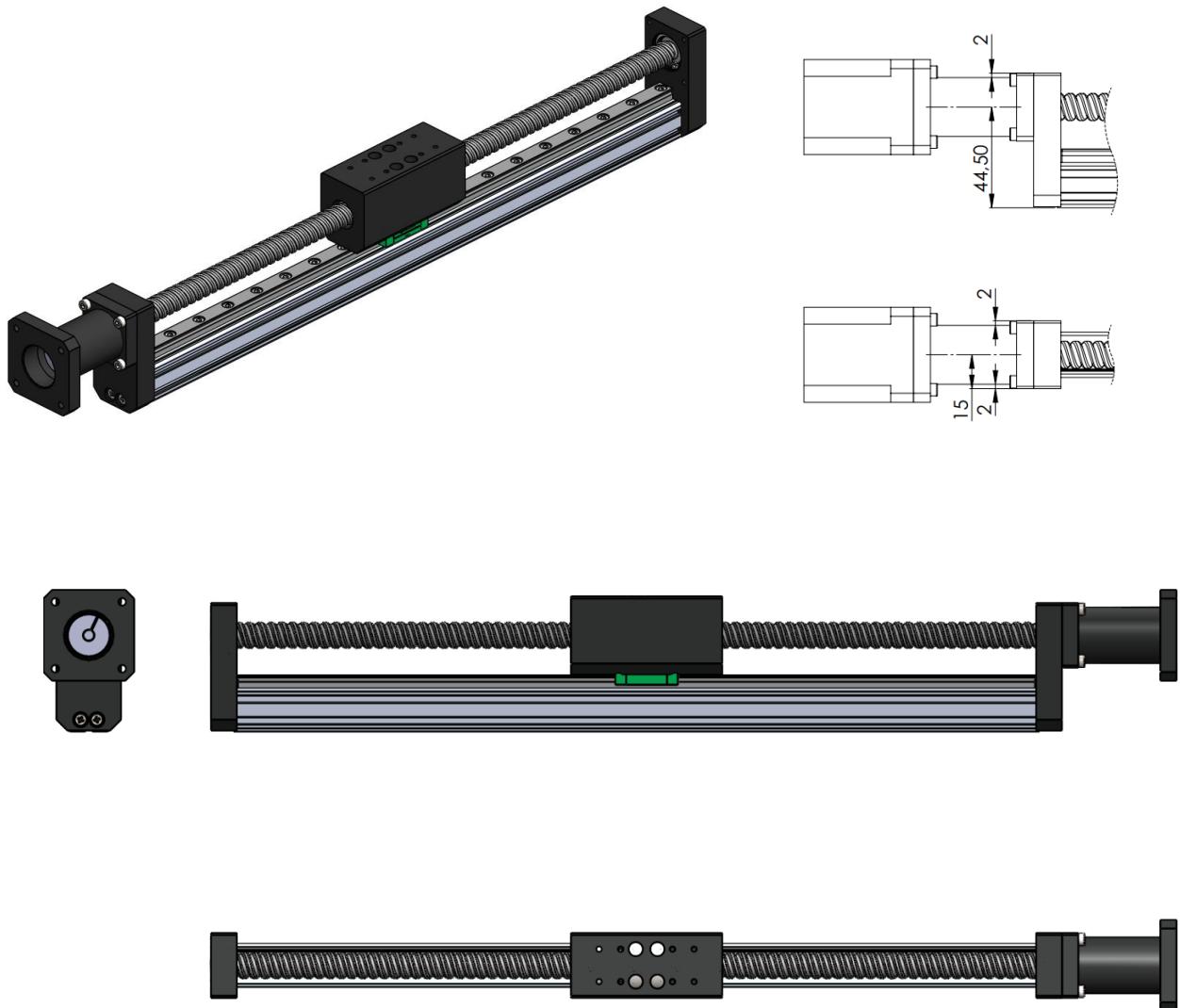
Maximum Dynamic Load in Directions [N]		
F _x max	F _y max	F _z max
166	166	166

Technical Drawing



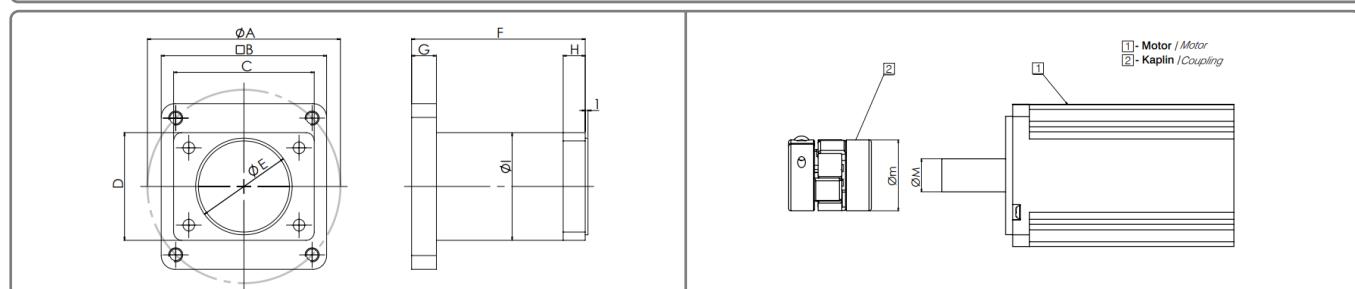
WDAK Axial Mounting Kit

Technical Drawing



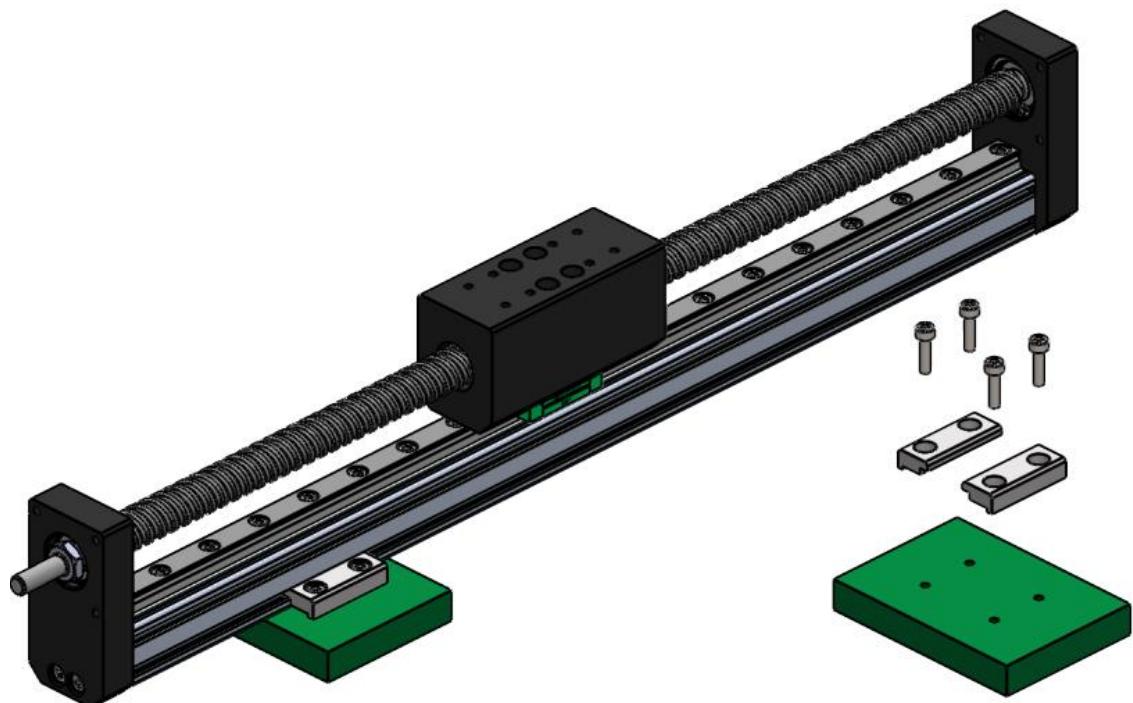
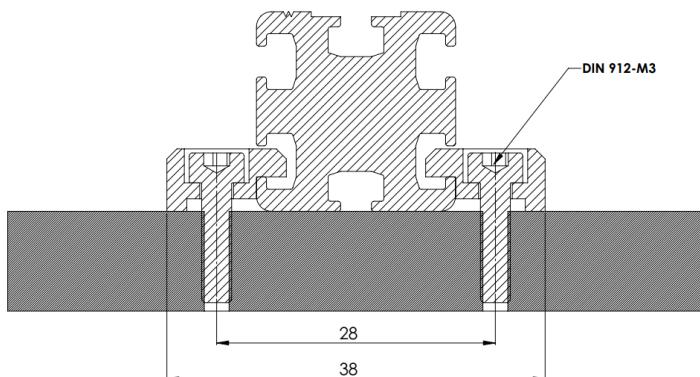
Bellhousing - Coupling

Motor Mounting



Motor Type	A	B	C	D	E	F	G	H	I
-	-	-	30	30	16,5	53	7,5	7,5	26

Motor Type	M	m	Coupling Model
-	-	20	WJM - 20CRD

Assembly**Mounting Bracket****WMAB 020 Clamping Fixtures**