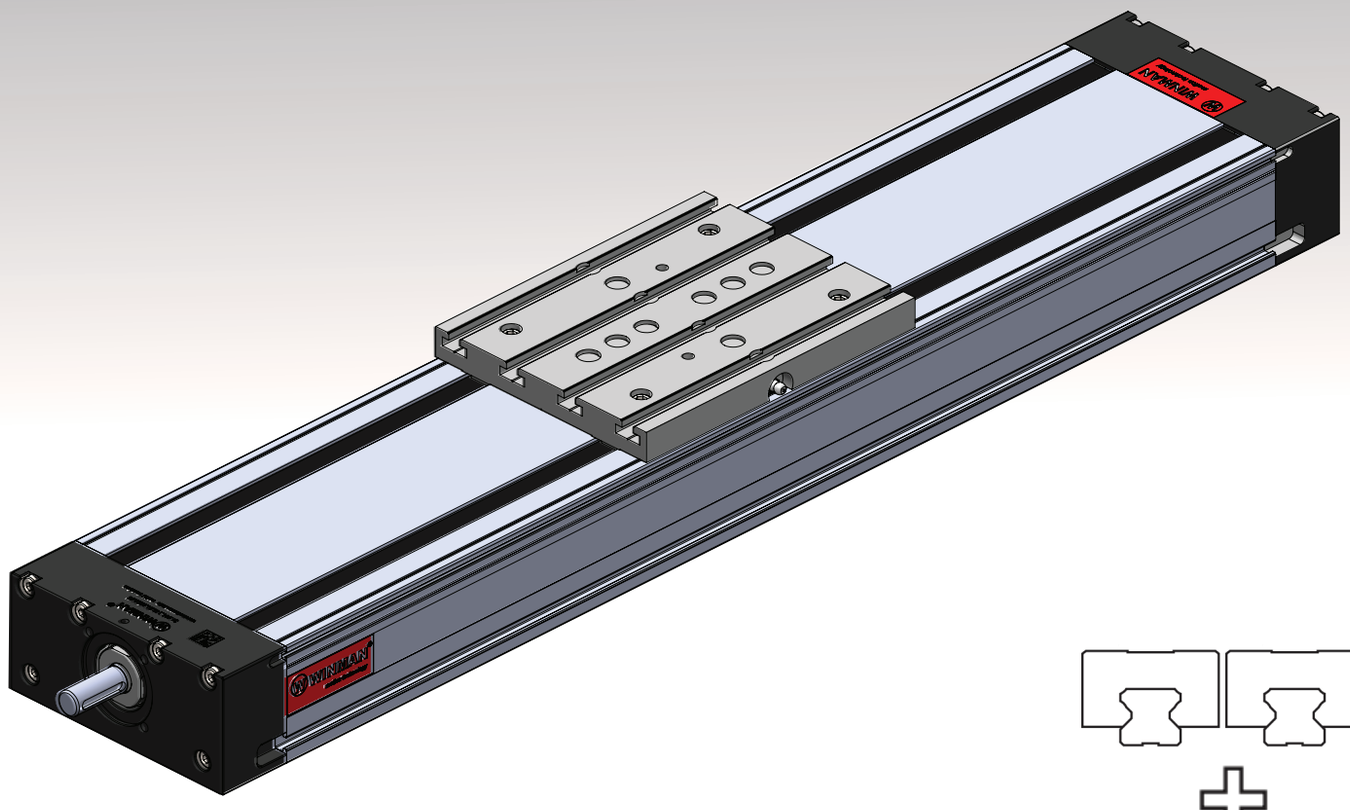
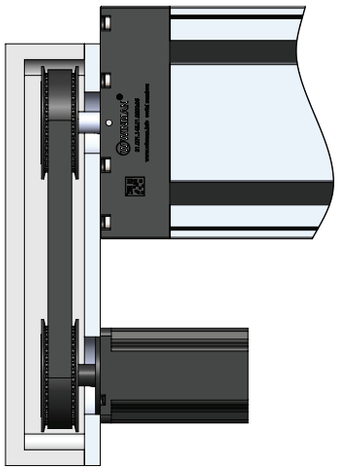
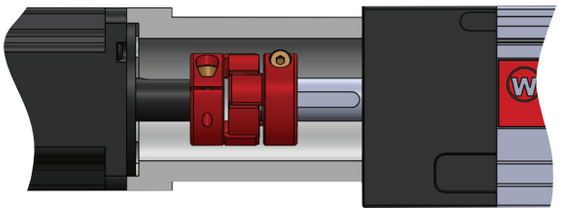
WMCD

LINEARMODULE
LINEAR MODULE







WINMAN®

Bestellcode / Ordering Code

WMCD - BS - 145 - _ _ _ _ - _ _ - _ _ _ _ - _ _ _ - _ _

1	2	3	4	5	6	7	8
Model Model	**Antriebseinheit** Drive Unit	**Größe** Size	**Hub** Stroke	**Tonhöhe** Pitch	**Montagesatz-Modell** Mounting Kit Model	**Montagebausatz** Mounting Kit Assembly	**Montagesatz Seite** Mounting Kit Side

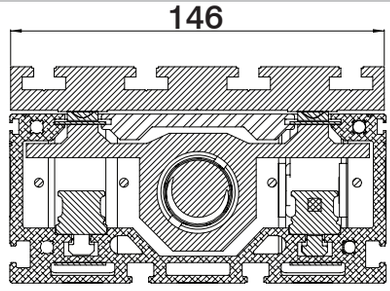
1 - **Model** / Model

WMCD : *Kompact Linear Module / Compact Linear Module*

2 - **Antriebseinheit**/Drive Unit

BS : *Kugelumlaufspindel / Ball Screw*

3 - Größe / Size



WMCD - BS - 145

4 - **Hub** / Stroke

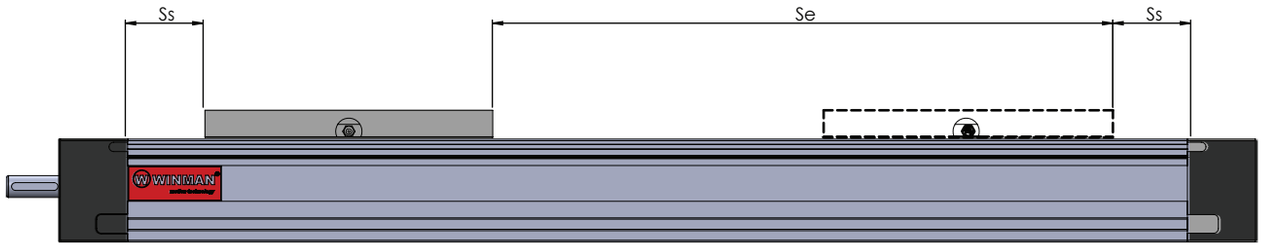
0000 : Maksimum 1600 mm / *Maximum 1600 mm*

Bewegungshub / Movement Stroke

Es wird empfohlen, zusätzlich zum gewünschten Bewegungshub auf beiden Seiten bis zu 2xPitch einen Freiraum zu lassen.
In addition to the desired movement stroke, it is recommended to leave a space on both sides until 2xPitch.

$$Sm = Se + 2.Ss$$
$$Ss = 2.p$$

Sm : *Bewegungshub / Movement Stroke*
Se : *Sicherheitsanschlag / Safety Stroke*
p : *Kugelgewindesteigung / Ball Screw Pitch*



5 - **Tonhöhe** / Pitch

05 : 5 mm/devir / *5 mm/rev*

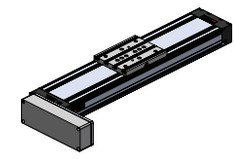
10 : 10 mm/devir / *10 mm/rev*

Bestellcode / Ordering Code

WMCD - BS - 145 - _ _ _ _ - _ _ - _ _ _ _ - _ _ _ - _ _

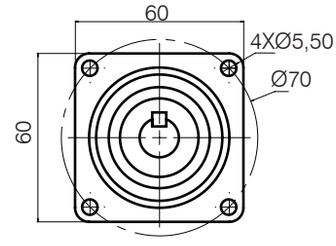
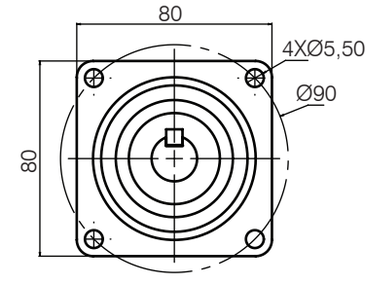
1	2	3	4	5	6	7	8
Model Model	**Antriebseinheit** Drive Unit	**Größe** Size	**Hub** Stroke	**Tonhöhe** Pitch	**Montagesatz-Modell** Mounting Kit Model	**Montagebausatz** Mounting Kit Assembly	**Montagesatz Seite** Mounting Kit Side

6 - Montagesatz-Modell / Mounting Kit Model

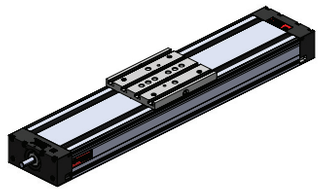
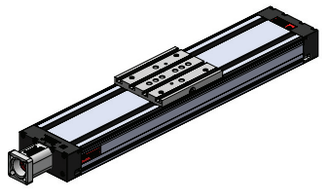
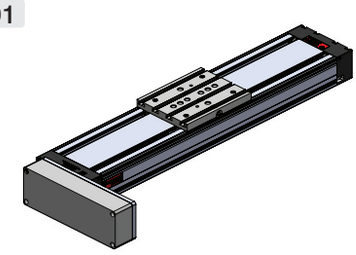
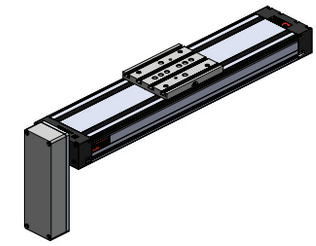
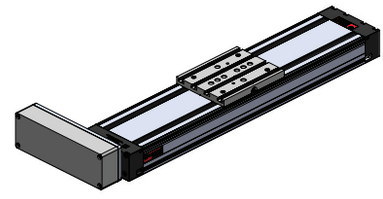
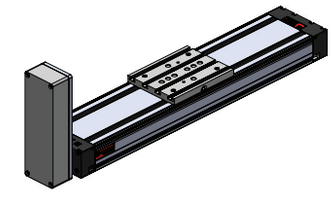
		
00 : Ohne Montage Without Mounting	**WDAK** : Axial Kit	**WDPK** : Parallel Kit

Note 1:Bitte wenden Sie sich für verschiedene Motortypen und Befestigungsgrößen an. Please contact for different motor types and mounting sizes.
Note 2:Bitte wenden Sie sich an, um den Minderer zu verwenden. Please contact for to use reducer.

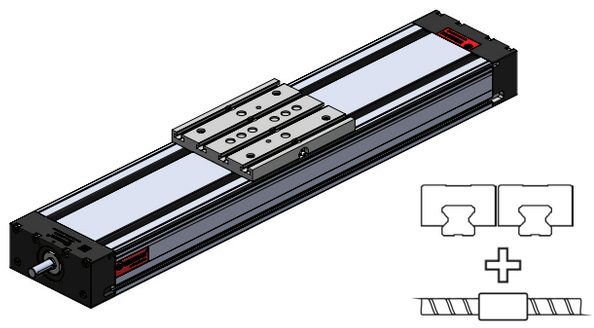
7 - Montagebausatz / Mounting Kit Assembly

		
00 : Without Motor	**070** : Ø70 motor mounting	**090** : Ø90 motor mounting

8 - **Montagesatz Seite**/ Mounting Kit Side

00  	01 	02 
	03 	04 

Kompakte Linearmodule der WMCD-Serie / WMCD Series Compact Linear Modules

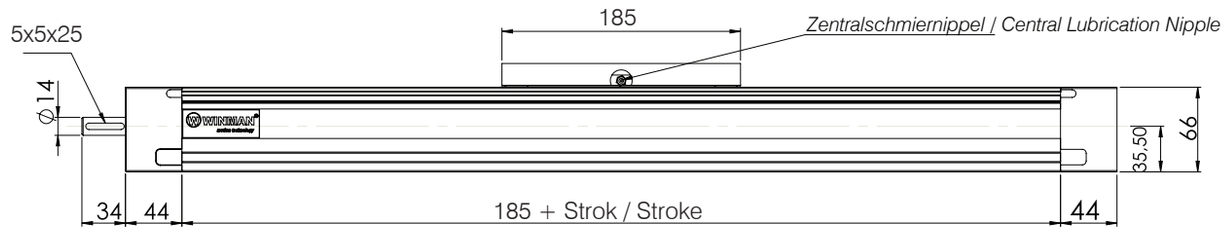


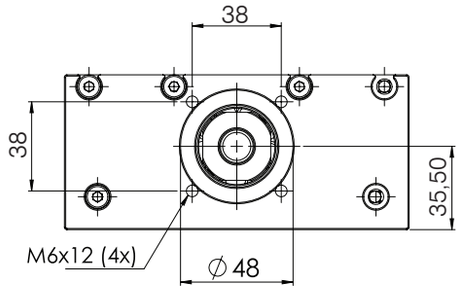
Spezifikation / Specification

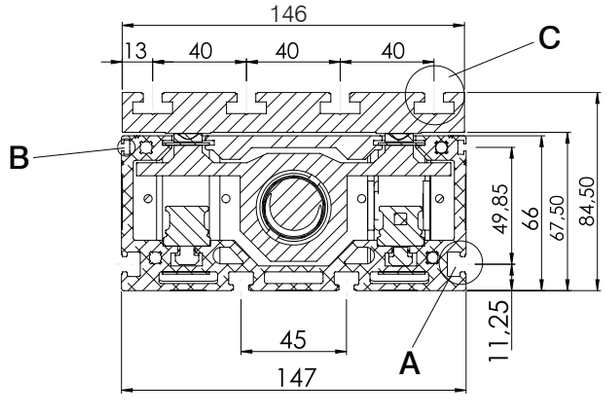
Statische Belastung / Static Load Co	**kN**	**97,2**
Dynamische Belastung / Dynamic Load C	**kN**	**56,4**
Maximaler Hub / Maximum Stroke	**mm**	**1600**
Positionsgenauigkeit / Position Accracy	**µm/mm**	**53/300**
Wiederholgenauigkeit / Repeating Accuracy	**mm**	**< 0 ,05**
Beschleunigung / Acceleration	**m/s²**	**10**

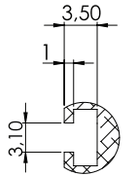
Note: Berechnete Werte sind theoretische Werte. Wir empfehlen, den Sicherheitsfaktor als fünf (5) zu berechnen.
Note : Calculated value are theorical values. We recommend you to calculate safety factor as five(5).

Technische Zeichnung / Technical Drawing

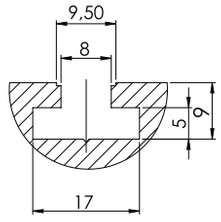




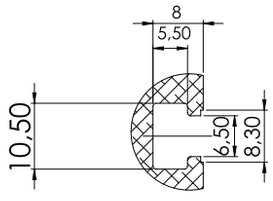




DETAIL B



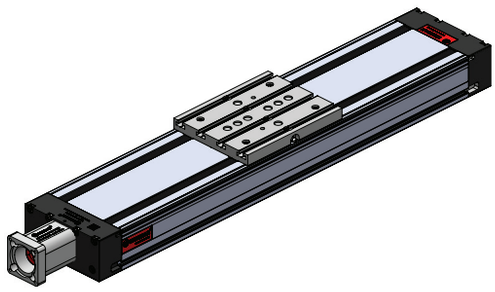
DETAIL C

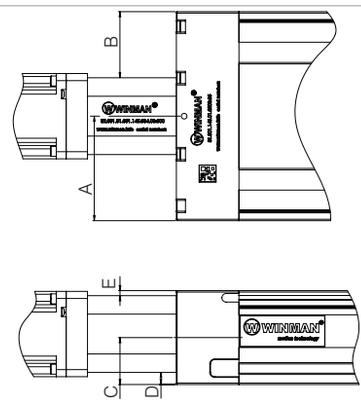


DETAIL A

WDAK Axial Mounting Kit

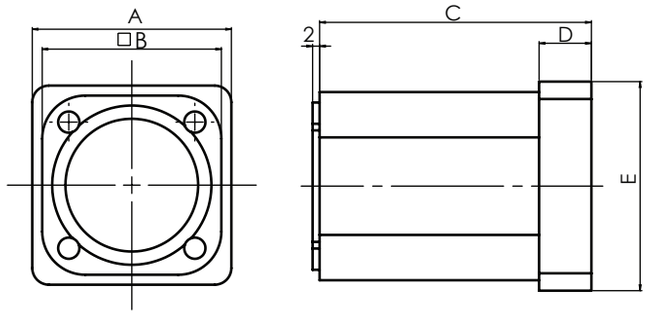
Technische Zeichnung / Technical Drawing





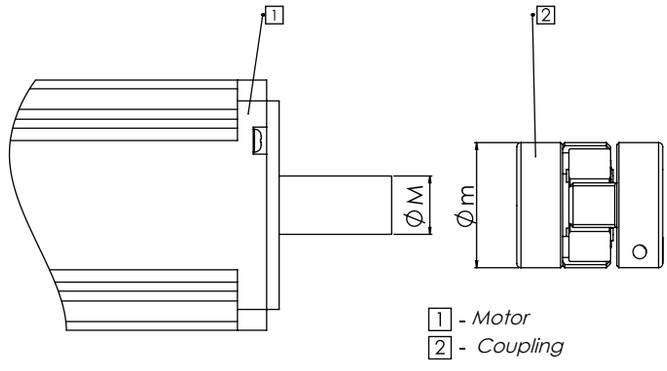
Befestigungssatz Typ Mounting Kit Type	A	B	C	D	E
WDAK-070	73,5	46,5	35,5	8,5	3,5
WDAK-090	73,5	43,5	35,5	5,5	0,5

Campane



Befestigungssatz Typ Mounting Kit Type	A	B	C	D	E
WDAK-070	60	54	78	15	60
WDAK-090	80	60	95	20	80

Coupling

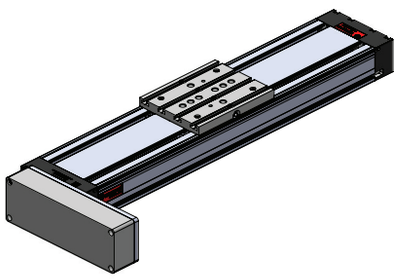


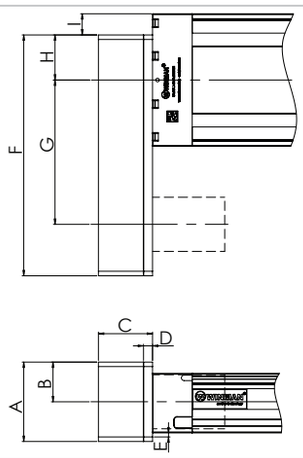
Befestigungssatz Typ Mounting Kit Type	M	m	Kopplungsmodell Coupling Model
WDAK-070	14	30	**WWJL - 30CRD**
WDAK-090	19	40	**WWJL - 40CRD**

WDPK - Parallel Mounting Kit

Technische Zeichnung / Technical Drawing

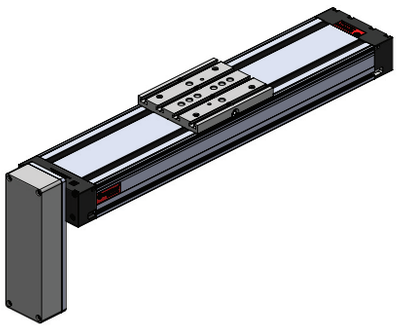
WDPK - _ _ - 01

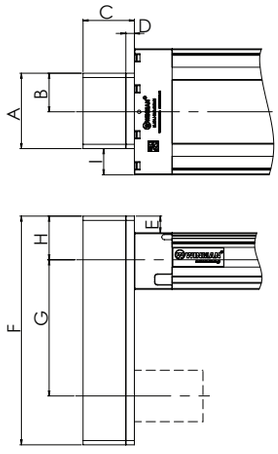




Kit Assembly	WDPK - 070 - 01	WDPK - 090 - 01
A	88	88
B	43	43
C	60	60
D	10	10
E	14,5	5
F	267	297
G	160	186
H	50	55,5
I	23,5	18

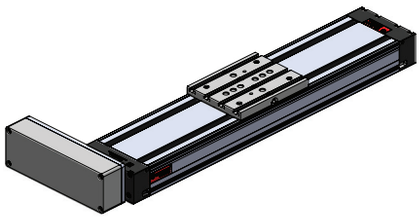
WDPK - _ _ - 02

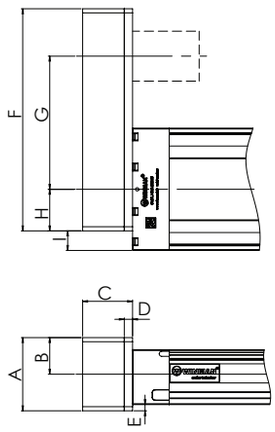




Kit Assembly	WDPK - 070 - 02	WDPK - 090 - 02
A	88	88
B	43	43
C	60	60
D	10	10
E	14,5	9,5
F	267	297
G	160	186
H	50	55,5
I	28,5	18

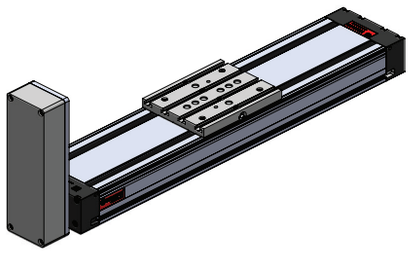
WDPK - _ _ - 03

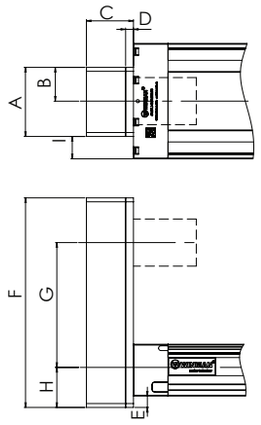




Kit Assembly	WDPK - 070 - 03	WDPK - 090 - 03
A	88	88
B	43	43
C	60	60
D	10	10
E	9,5	20
F	267	297
G	160	186
H	50	55,5
I	23,5	28,5

WDPK - _ _ - 04

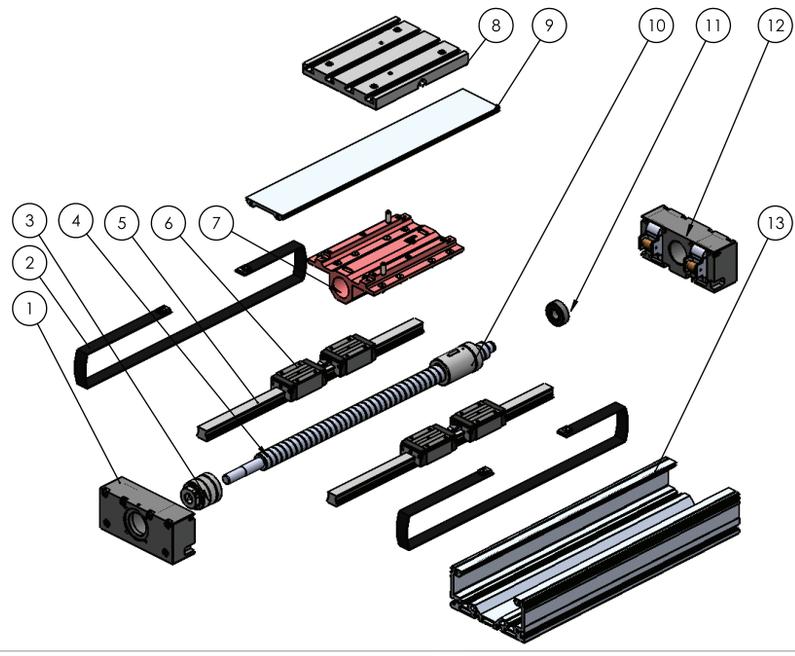




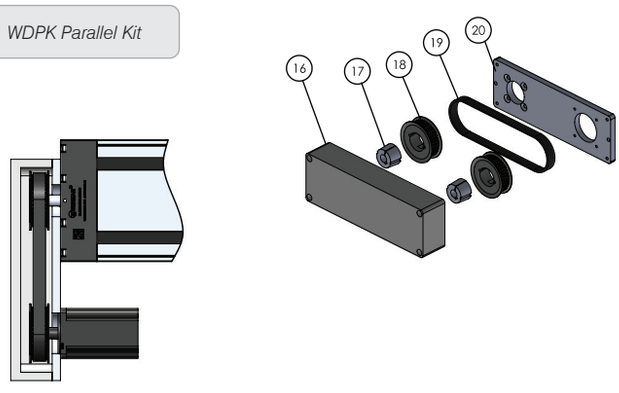
Kit Assembly	WDPK - 070 - 04	WDPK - 090 - 04
A	88	88
B	43	43
C	60	60
D	10	10
E	14,5	20
F	267	297
G	160	186
H	50	55,5
I	28,5	28,5

Versammlung / Assembly

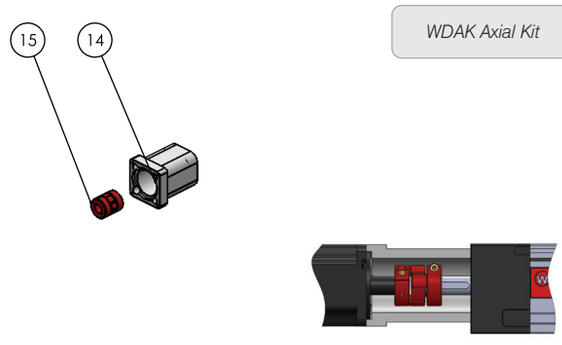
WMCD Linear Module



WDPK Parallel Kit



WDAK Axial Kit



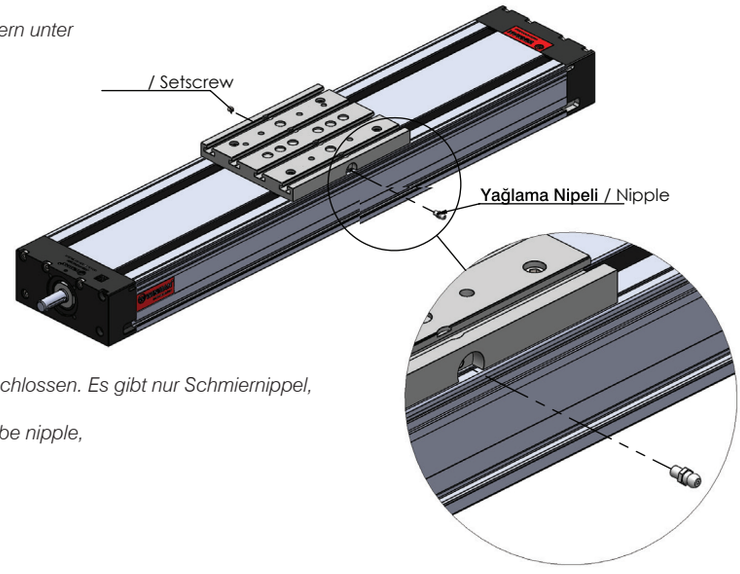
Piece	Qty	Part Name	Assembly
1	1	Frontblocjk / Front Block	Module
2	2	Schutzstreifen / Protection Strip Corrosion Resistans	
3	2	Korrosionsbeständigkeit / Front Bearing	
4	1	Kugelumlaufspindel / Ball Screw	
5	2	Linearer Gudide / Linear Gudide	
6	4	Linearwagen / Linear Carriage	
7	1	Wagen / Carriage	
8	1	Montageplatte / Mounting Plate	
9	1	Profilabdeckung / Profile Cover	
10	1	Kugelmutter / Ball Nut	
11	1	Rückenlager / Back Bearing	
12	1	Zurück blockieren / Back Block	
13	1	Profil / Profile	
14	1	Campane / Campane	Axial Kit
15	1	Kupplung / Coupling	
16	1	Parallel-Kit-Box / Parallel Kit Box	Parallel Kit
17	2	Traper Bushing / Traper Bushing	
18	2	Zahnriemenscheiben / Timing Belt Pulleys	
19	1	Zahnriemen / Toothed Belt	
20	1	Parallele Kitabdeckung / Parallel Kit Cover	

Instandhaltung / Maintenance

Die Grundschmierung erfolgt werkseitig vor dem Versand.
Basic lubrication is done in-factory before shipment.

Lager der Kugelumlaufspindel sind auf Lebensdauer geschmiert und erfordern unter normalen Betriebsbedingungen keine Schmierung während des Betriebs.
Bearings of the ball screw have been lubricated for life and will not require in-service lubrication under normal operating conditions.

Der Rahmen des Kompaktmoduls hat auf jeder Seite Löcher für den Zugang zu den Schmiernippeln im Wagen.
The frame of the compact module has holes on each side for access to the lube nipples in the carriage.



Die Schmiermittelöffnungen sind zum Versand mit einer Stellschraube verschlossen. Es gibt nur Schmiernippel, Nippel und Stellschraube austauschbar.
The lube ports are closed with a set screw for shipment.There is just are lube nipple, nipple and set screw replaceable.

Bitte kontaktieren Sie uns, um die Kugelumlaufspindel zu schmieren.
Please contact us to lubricate ball screw.

Kompakte Module müssen mit geeignetem Fett geschmiert werden
Compact modules must be lubricated with suitable grease.

Lithiumseifenfett sollte verwendet werden.
Lithium soap grease should be used.

Achtung: Verwenden Sie kein Fett, das Graphit oder MoS enthält!
Caution: Do not use grease containing graphite or MoS!

Unter normalen Betriebsbedingungen wird alle 400 Stunden oder 400 km Arbeitsabstand geschmiert.
Lubrication is performed every 400 hours or 400 km total working distance by normal operating conditions.

Die Schmiermengen sind in der Tabelle unter normalen Betriebsbedingungen angegeben.
Lubrication quantites is provided in table by normal operating conditions.

Normale Arbeitsbedingungen / Normal Working Conditions

Umgebungstemperatur / Ambient Temberature	°C	10 ~ 40
Geschwindigkeit / Speed	m/s	≤ 1,0
Drehzahl der Schraube / Screw Rotation Speed	rev/min	2500
Belastung / Load	kN	≤ 0,2 C
Hub / Stroke	mm	> 60
Schmierperiode / Lubrication Period	Km	400
	Hour	400
Lubricate Dosierung / Lubricate Dose	cm^3	2,8