

Superior Clamping and Gripping



Product data sheet

Linear table Alpha

Alpha

Linear table

Flat. Loadable. Precise.

Linear table Alpha

Flat linear table with spindle drive and double-profiled rail guide

Field of application

Universal linear module with spindle drive for precise positioning at a high drive force.



Advantages – Your benefits

Adaptable drive motor for versatile approach and easy integration into existing control concepts

Double-profiled rail guide for very high force and moment loads

Extremely flat design for minimal interfering contours

Integrated bellows cover for versatility and a long tool life

Machined stop edge for precise alignment and fastening



Sizes
Quantity: 4



Max. stroke
971 .. 2224 mm



Max. driving force
4000 .. 18000 N



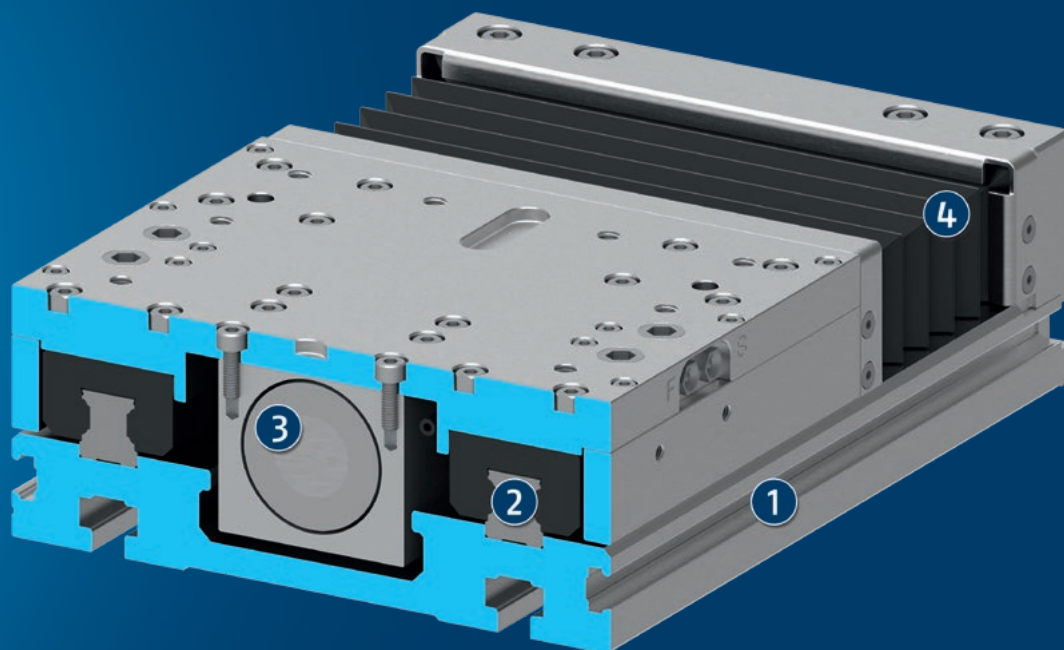
Repeat accuracy
 ± 0.03 mm



Max. speed
2 .. 2.5 m/s

Functional description

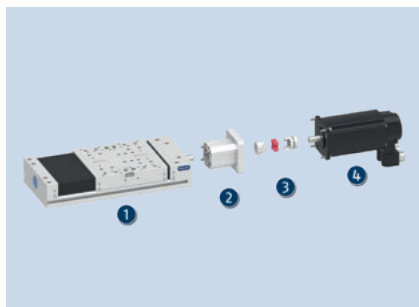
The slide is driven by a ball screw spindle and precisely guided by a double profiled rail guide. The bellows cover the spindle and the guidance. The servomotor is connected to the profile via the drive shaft.



- ① **Aluminum profile**
Particularly suitable for table assembly
- ② **Profiled rail guide**
for maximum positioning accuracy and moment loads
- ③ **Spindle**
Transforms the rotational movement into a linear movement
- ④ **Bellows cover**
in order to protect the guidance from dirt

Detailed functional description

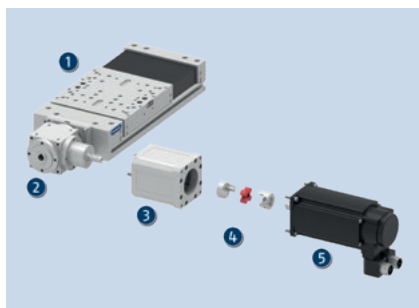
Spindle axis with axially mounted motor



This illustration shows how to mount a motor axially to a spindle axis using an engine cone and a coupling.

- ① Spindle axis
- ② Motor bell
- ③ Coupling
- ④ Servomotor

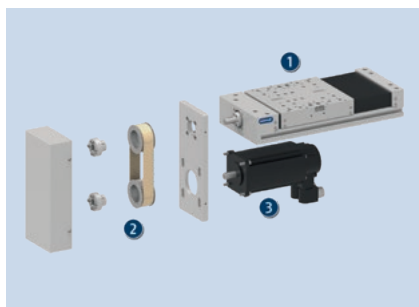
Spindle axis with right angular mounted motor



The motor can also be mounted at a right angle on a spindle axis using a bevel gear.

- ① Spindle axis
- ② Bevel gear
- ③ Motor bell
- ④ Coupling
- ⑤ Servomotor

Spindle axis with parallel-mounted motor



In order to save space, the motor can be mounted parallel to the spindle axis using an angle belt drive.

- ① Spindle axis
- ② Angle belt drive
- ③ Servomotor

Ordering example

A - 20-B-225 - SSS - M - 2505 - 1000 - 1660 - FB - 2EMS - 0

Product series A = Alpha

Size (version)

Drive

S = Spindle

Guidance system

S = rail guide

Design version

S = standard

Drive type

M = single nut (ball screw)

MM = double nut (ball screw)

Drive version

Diameter and pitch (ball screw)

Traverse path

Overall length

Cover

FB = Bellow

Accessories

EMSEMB = mechanical limit switch (S = Siemens, B = Balluff) attached

E02/E010 = inductive limit switch opener with 2 m/10 m cable attached

ES2/ES10= inductive limit switch closer with 2 m/10 m cable attached

NS = T-nut

Customized design

0 = Standard

1 = customized (specification in plain text)

Additional accessories (separate item)

MGK = motor flange and coupling (according to dimension sheet)

URT = angle belt drive (from dimension sheet)

Alpha

Linear table

General notes about the series

Drive: servomotors of different providers can be trouble-free adapted

Profile: Extruded aluminum profile

Slide: Aluminum slide with bellows

Scope of delivery: Assembly and operating manual with declaration of incorporation

Warranty: 24 months

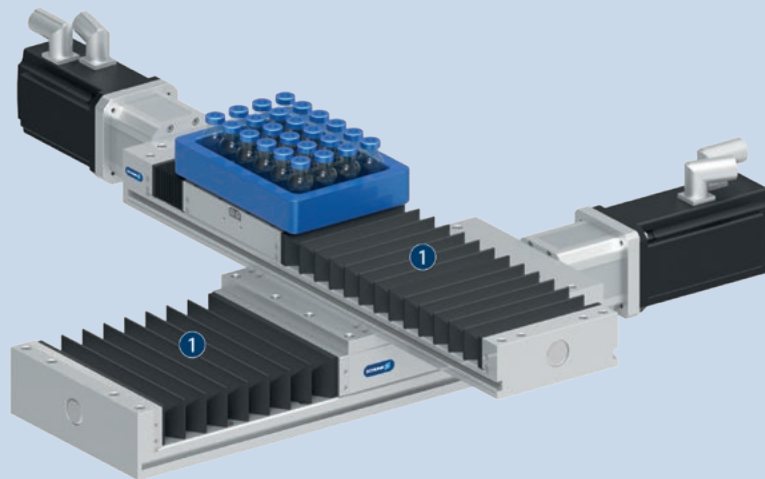
Ambient conditions: The modules are mainly designed for the use in clean ambient conditions. Please note that the life time of the modules can shorten if they are used in harsh ambient conditions, and that SCHUNK cannot assume liability in such cases. Please contact us for assistance.

Max. stroke: is the maximum permissible stroke. Acceleration and braking distances or possible overrun must be taken into consideration.

Repeat accuracy: defined as the spread of the target position after 100 consecutive positioning cycles under constant conditions.

Acceleration and speed: The values specified are the maximum values of the units without loading. The actual accelerations and speeds for your application must be designed separately and can deviate from the maximum values.

Layout or control calculation: Verifying the sizing of the selected unit is necessary, since otherwise overloading can result. Please contact us for assistance.



Application example

Motorized X/Y table for palletizing small packaging units.

① Linear table Alpha

SCHUNK offers more ...

The following components make the product even more productive – the suitable addition for the highest functionality, flexibility, reliability, and controlled production.



Rotary module, electric



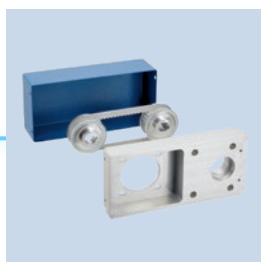
Universal rotary module



Universal gripper



Universal swivel head



Angle belt drive



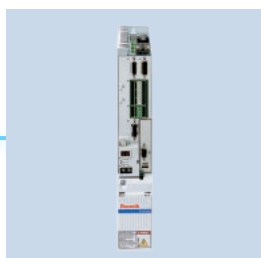
Inductive proximity switches



Drive



Room gantry



Drive controller

① For more information on these products can be found on the following product pages or at schunk.com.

Options and special information

Flexible in motor and controller selection: The electrical control is carried out via an adaptable servo drive using common standard controller like Bosch or Siemens.

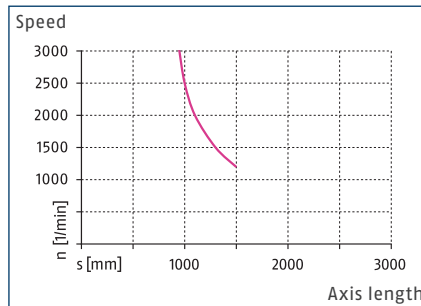
Easy integration: The easy integration into the control system is ensured by the possibility of attaching a common servomotor.

Complete solutions: On request, SCHUNK can supply complete solutions including motor, gear, controller, and cables.

NEW: Version with food –compliant lubrication (H1G): on request as a solution for an easy entry into medical technology, lab automation,, pharmaceutical and food industry. The requirements of EN 1672-2:2020 are not fully met.

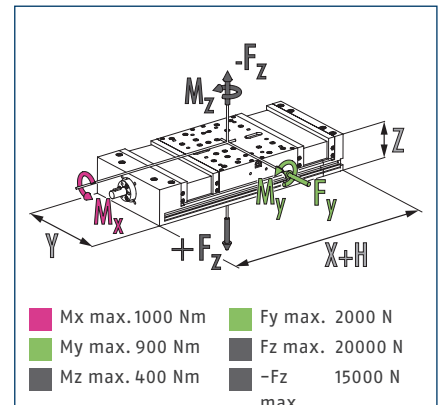


Max. spindle speed



① The diagram shows the maximum spindle speed depending on the overall length of the unit.

Dimensions and maximum loads



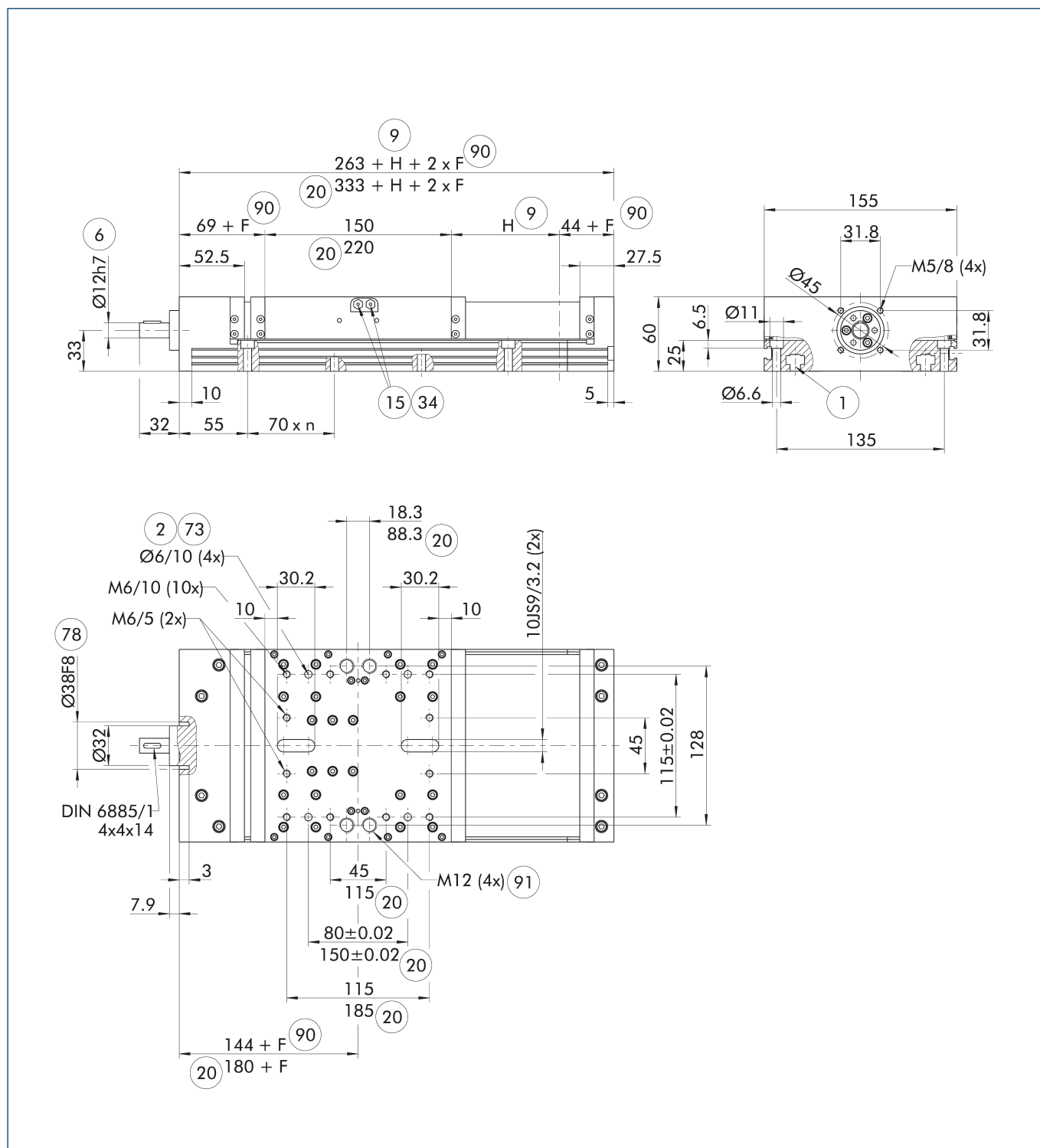
① The indicated forces and moments are maximum values for individual loading. If several forces and/or moments are applied at the same time, the maximum permitted individual values will be lower.

Technical data

Description		A 15-B-155
Max. stroke H	[mm]	971
Max. driving force	[N]	4000
Repeat accuracy	[mm]	±0.03
Max. total length	[mm]	1500
Max. speed	[m/s]	2.5
Max. acceleration	[m/s ²]	20
Min./max. ambient temperature	[°C]	0/80
Dead weight of base including slide	[kg]	7.8
Additional mass per 100 mm stroke	[kg]	0.95
Weight of slide	[kg]	2.8
Dead weight of slide, long	[kg]	4.1
Guidance system		Rail guide
Number of rails		2
Size of rails		15
Drive concept		Spindle drive
Idle torque	[Nm]	0.35
Moment of inertia	[kgm ²]	0.000084
Spindle diameter	[mm]	20
Spindle pitch	[mm]	5/10/20/50
Max. spindle speed	[1/min]	3000

① Please note that the long slide plates reduce the maximum stroke H.
Please note that the moment of inertia for spindle axes refers to one meter.

Main view



The drawing shows the unit in standard design, without considering any dimensions of the options described below.

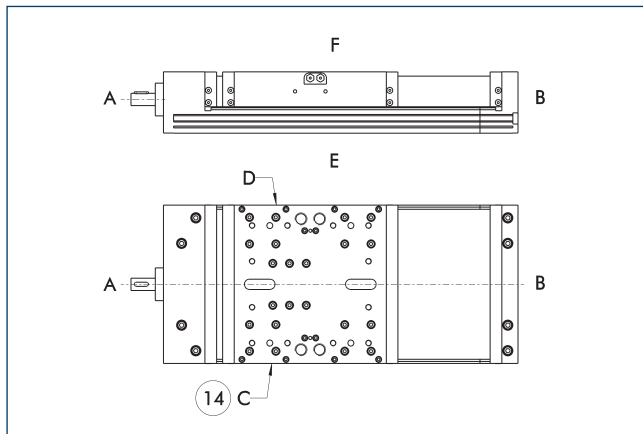
① Number of folds = nominal stroke $H/22$ [rounded-up to whole number];
 $F = (\text{number of folds} \times 3) - 2$

- | | |
|--------------------------|--|
| ① Connection linear unit | ③④ On both sides |
| ② Attachment connection | ⑦③ Fit for centering pins |
| ⑥ Drive connection | ⑦⑧ Fit for centering |
| ⑨ Nominal stroke | ⑨⑩ Bellow block length |
| ⑮ Lubricant connection | ⑨① Passage for internal mounting holes for short strokes |
| ⑳ With long slide plate | |

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Linear table

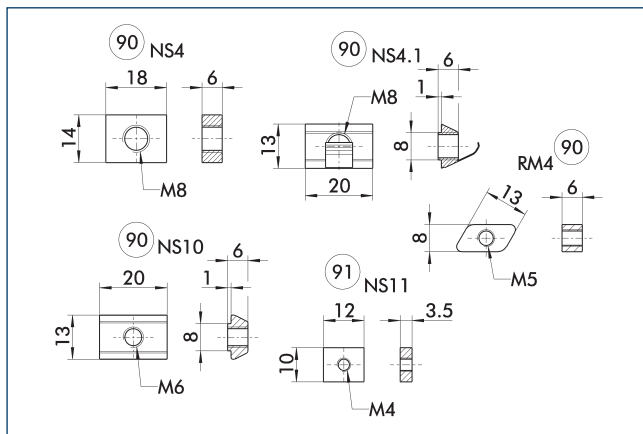
Side definition



(14) Limit switch standard position

This drawing indicates the definition for the sides. This serves as the basis for all attachments.

Fastening elements



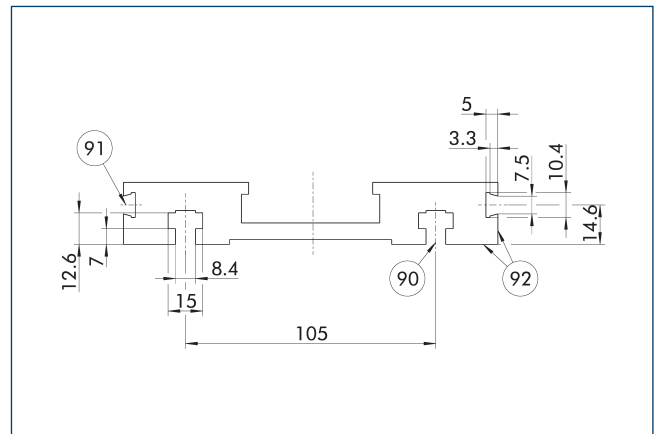
(90) T-nut at the bottom side

(91) Side T-nut

The unit can be fixed in place using T-nuts. The exact mounting position is indicated on the adjacent attachment illustration.

Description	ID
T-nut	
NS 10-M6-6	0331422
NS 11-M4	0331429
NS 4.1-M8-6	0331430
NS 4-M8-6	0331407
RM4-M5	0331426

Mounting



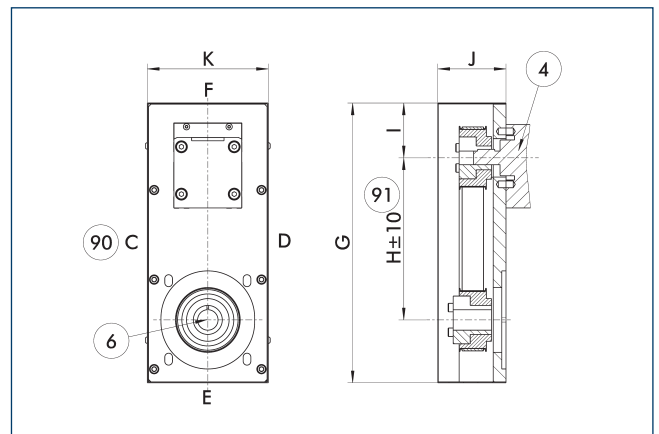
(90) T-nut at the bottom side

(92) Stop edge for alignment of axis

(91) Side T-nut

The profile can be secured using T-nuts.

Angle belt drive



(4) Linear unit

(90) Attachment direction of angle belt drive

(6) Drive connection

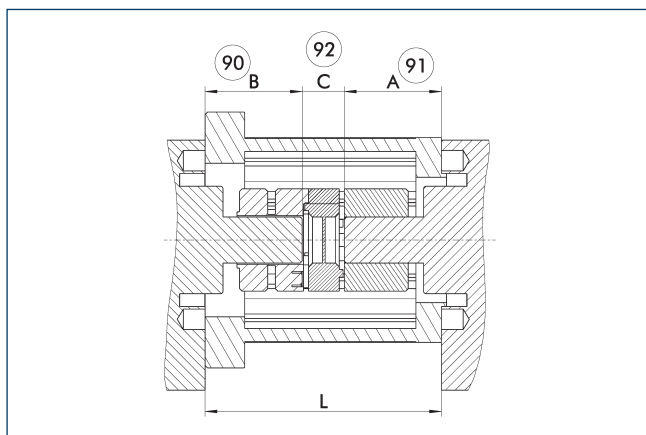
(91) Dependent on transmission ratio and toothed belt design.

The angle belt drive makes it possible to achieve various drive solutions in confined spaces. SCHUNK offers the suitable angle gear for your drive.

Description	G	H	I	J	K
	[mm]	[mm]	[mm]	[mm]	[mm]
A 15-B-155	238	120	46	52	102

(1) Possible transmission ratios: $i = 1 : 1$, $i = 2 : 1$ and $i = 3 : 1$

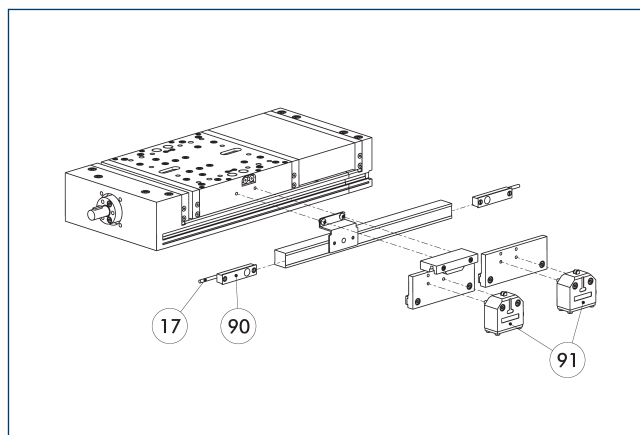
Motor flange schematic diagram



- ⑨⑩ Length of motor / transmission drive shaft ⑨① Length of linear unit drive journal
 ⑨② Clutch length

Different drive solutions can be attached to our axes. SCHUNK offers you the right motor flange and coupling for your drive.

Limit and reference switch



- ⑩⑦ Cable outlet ⑨① Mechanical limit switches
 ⑩⑨ Inductive limit and reference switches

Generally two E0-02 switches are used as limit switches and one ES-02 is used as reference switch.

Description	ID	Often combined
Inductive limit switch		
E0-02	0331410	●
E0-10	0331412	
ES-02	0331411	●
ES-10	0331413	
Mechanical limit switch		
EMB	0331415	●
EMS	0331414	

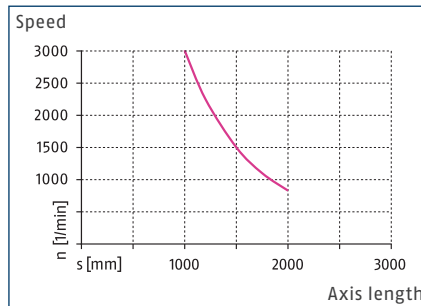
- ⑩ The positions and dimensions of limit switches, switching lugs, and mounting components may vary depending on the application and the selected limit switches. Please contact us for assistance.

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Linear table

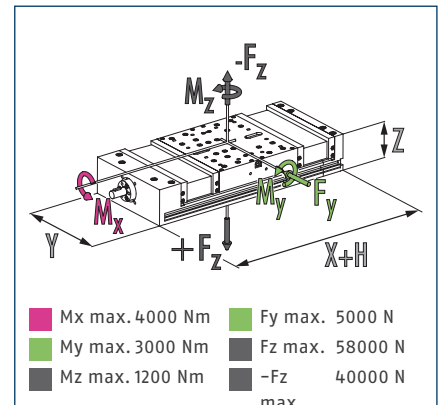


Max. spindle speed



① The diagram shows the maximum spindle speed depending on the overall length of the unit.

Dimensions and maximum loads



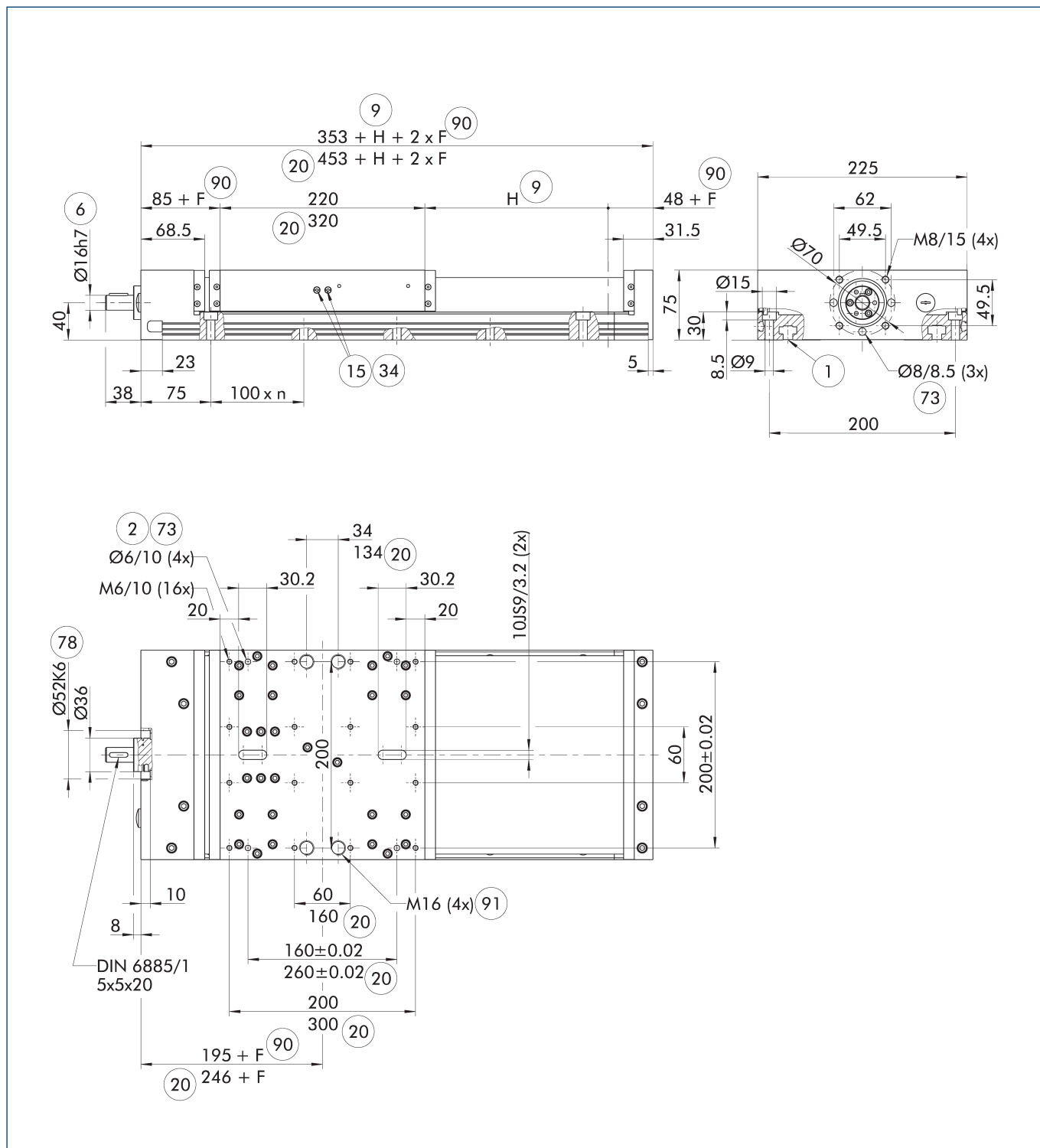
① The indicated forces and moments are maximum values for individual loading. If several forces and/or moments are applied at the same time, the maximum permitted individual values will be lower.

Technical data

Description		A 20-B-225
Max. stroke H	[mm]	1387
Max. driving force	[N]	6000
Repeat accuracy	[mm]	±0.03
Max. total length	[mm]	2000
Max. speed	[m/s]	2.5
Max. acceleration	[m/s ²]	20
Min./max. ambient temperature	[°C]	0/80
Dead weight of base including slide	[kg]	17.6
Additional mass per 100 mm stroke	[kg]	2.7
Weight of slide	[kg]	6.2
Dead weight of slide, long	[kg]	9
Guidance system		Rail guide
Number of rails		2
Size of rails		20
Drive concept		Spindle drive
Idle torque	[Nm]	1.2
Moment of inertia	[kgm ²]	0.000225
Spindle diameter	[mm]	25
Spindle pitch	[mm]	5/10/25/50
Max. spindle speed	[1/min]	3000

① Please note that the long slide plates reduce the maximum stroke H.
Please note that the moment of inertia for spindle axes refers to one meter.

Main view



The drawing shows the unit in standard design, without considering any dimensions of the options described below.

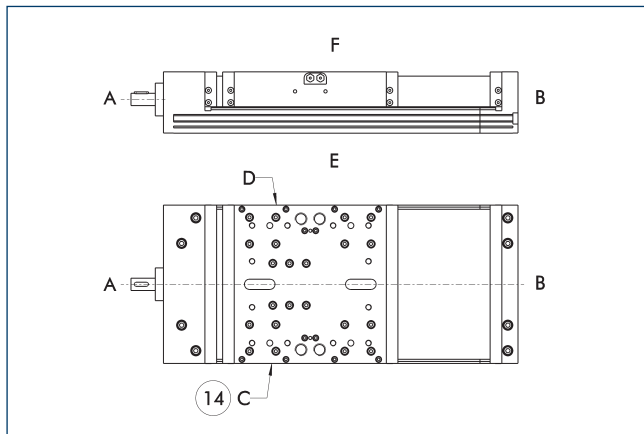
① Number of folds = nominal stroke $H/32$ [rounded-up to whole number]; $F = (\text{number of folds} \times 3) - 2$

- | | |
|---|---|
| ① Connection linear unit | ③ On both sides |
| ② Attachment connection | ⑦ Fit for centering pins |
| ③ On both sides | ⑧ Fit for centering |
| ④ With long slide plate | ⑩ Passage for internal mounting holes for short strokes |
| ⑤ Drive connection | ⑪ Bellow block length |
| ⑥ Nominal stroke | ⑫ M8/15 (4x) |
| ⑦ Lubricant connection | ⑬ Ø70 |
| ⑧ Fit for centering pins | ⑭ Ø15 |
| ⑨ Fit for centering | ⑮ Ø9 |
| ⑩ Passage for internal mounting holes for short strokes | ⑯ Ø8/8.5 (3x) |
| ⑪ Bellow block length | ⑰ 73 |
| ⑫ M8/15 (4x) | ⑱ 200 |
| ⑬ Ø70 | ⑲ 225 |
| ⑭ Ø15 | ⑳ 62 |
| ⑮ Ø9 | ㉑ 49.5 |
| ⑯ Ø8/8.5 (3x) | ㉒ 49.5 |
| ⑰ 73 | ㉓ 31.5 |
| ⑱ 200 | ㉔ 48 + F |
| ⑲ 225 | ㉕ 90 |
| ⑳ 62 | ㉖ H |
| ㉑ 49.5 | ㉗ 220 |
| ㉒ 49.5 | ㉘ 320 |
| ㉓ 31.5 | ㉙ 20 |
| ㉔ 48 + F | ㉚ 453 + H + 2 x F |
| ㉕ 90 | ㉛ 353 + H + 2 x F |
| ㉖ H | ㉜ 90 |
| ㉗ 220 | ㉝ 85 + F |
| ㉘ 320 | ㉞ 68.5 |
| ㉙ 20 | ㉟ 23 |
| ㉚ 453 + H + 2 x F | ㊱ 38 |
| ㉛ 353 + H + 2 x F | ㊲ 75 |
| ㉜ 90 | ㊳ 100 x n |
| ㉝ 85 + F | ㊴ 5 |
| ㉞ 68.5 | ㊵ 15 |
| ㉟ 23 | ㊶ 34 |
| ㊱ 38 | ㊷ 20 |
| ㊲ 75 | ㊸ 134 |
| ㊳ 100 x n | ㊹ 30.2 |
| ㊴ 5 | ㊺ 20 |
| ㊵ 15 | ㊻ 30.2 |
| ㊶ 34 | ㊼ 20 |
| ㊷ 20 | ㊽ 101S9/3.2 (2x) |
| ㊸ 134 | ㊾ 60 |
| ㊹ 30.2 | ㊿ 200 ± 0.02 |
| ㊺ 20 | ① 78 |
| ㊻ 30.2 | ② 73 |
| ㊼ 20 | ③ Ø6/10 (4x) |
| ㊽ 101S9/3.2 (2x) | ④ M6/10 (16x) |
| ㊾ 60 | ⑤ 20 |
| ㊿ 200 ± 0.02 | ⑥ 34 |
| ① 78 | ⑦ 134 |
| ② 73 | ⑧ 20 |
| ③ Ø6/10 (4x) | ⑨ 30.2 |
| ④ M6/10 (16x) | ⑩ 20 |
| ⑤ 20 | ⑪ 30.2 |
| ⑥ 34 | ⑫ 20 |
| ⑦ 134 | ⑬ 101S9/3.2 (2x) |
| ⑧ 20 | ⑭ 60 |
| ⑨ 30.2 | ⑮ 200 ± 0.02 |
| ⑩ 20 | ⑯ 78 |
| ⑪ 30.2 | ⑰ 73 |
| ⑫ 20 | ⑱ Ø52K6 |
| ⑬ 101S9/3.2 (2x) | ⑲ Ø36 |
| ⑭ 60 | ⑳ 10 |
| ⑮ 200 ± 0.02 | ㉑ 8 |
| ⑯ 78 | ㉒ DIN 6885/1 |
| ⑰ 73 | ㉓ 5x5x20 |
| ⑱ Ø52K6 | ㉔ 160 |
| ⑲ Ø36 | ㉕ 160 ± 0.02 |
| ⑳ 10 | ㉖ 260 ± 0.02 |
| ㉑ 8 | ㉗ 200 |
| ㉒ DIN 6885/1 | ㉘ 300 |
| ㉓ 5x5x20 | ㉙ 195 + F |
| ㉔ 160 | ㉚ 246 + F |
| ㉕ 160 ± 0.02 | ㉛ 20 |
| ㉖ 260 ± 0.02 | ㉜ 90 |
| ㉗ 200 | ㉝ 20 |
| ㉘ 300 | ㉞ 20 |
| ㉙ 195 + F | ㉟ 20 |
| ㉚ 246 + F | ㊱ 20 |
| ㉛ 20 | ㊲ 20 |
| ㉜ 90 | ㊳ 20 |
| ㉝ 20 | ㊴ 20 |
| ㉞ 20 | ㊵ 20 |
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Linear table

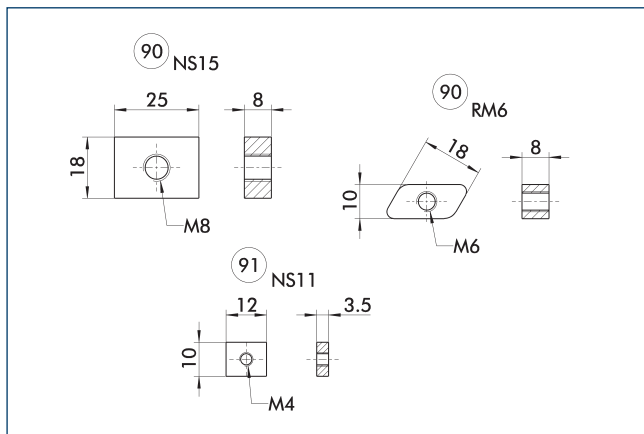
Side definition



(14) Limit switch standard position

This drawing indicates the definition for the sides. This serves as the basis for all attachments.

Fastening elements



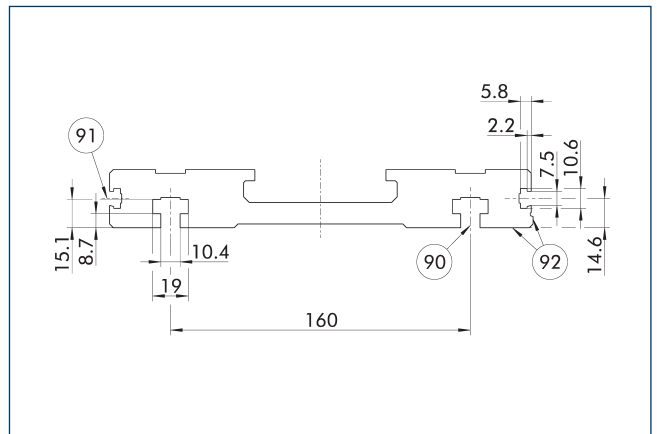
(90) T-nut at the bottom side

(91) Side T-nut

The unit can be fixed in place using T-nuts. The exact mounting position is indicated on the adjacent attachment illustration.

Description	ID	
T-nut		
NS 11-M4	0331429	
NS 15-M8	0331433	
RM6-M6	0331427	

Mounting



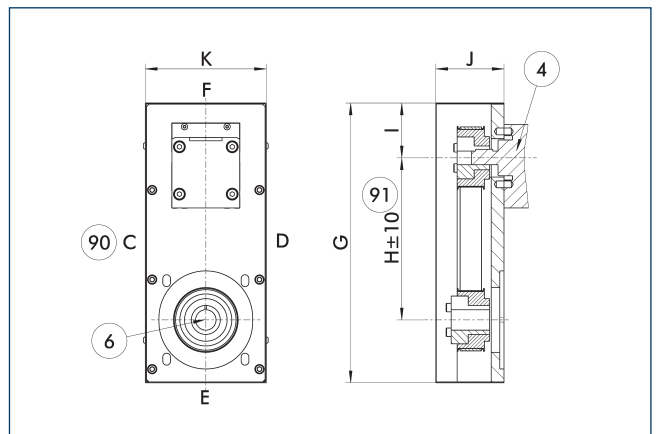
(90) T-nut at the bottom side

(92) Stop edge for alignment of axis

(91) Side T-nut

The profile can be secured using T-nuts.

Angle belt drive



(4) Linear unit

(90) Attachment direction of angle belt drive

(6) Drive connection

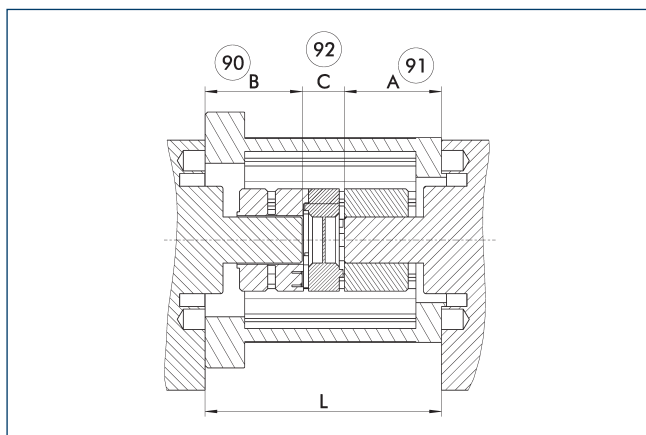
(91) Dependent on transmission ratio and toothed belt design.

The angle belt drive makes it possible to achieve various drive solutions in confined spaces. SCHUNK offers the suitable angle gear for your drive.

Description	G	H	I	J	K
	[mm]	[mm]	[mm]	[mm]	[mm]
A 20-B-225	328	190	64	80	142

(1) Possible transmission ratios: $i = 1 : 1$, $i = 2 : 1$ and $i = 3 : 1$

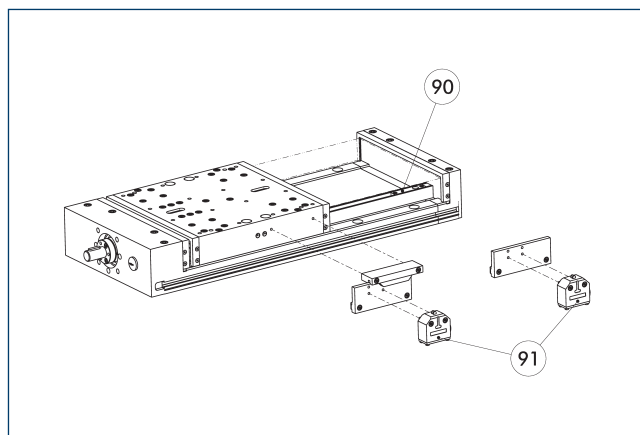
Motor flange schematic diagram



- ⑨⑩ Length of motor / transmission drive shaft ⑨① Length of linear unit drive journal
 ⑨② Clutch length

Different drive solutions can be attached to our axes. SCHUNK offers you the right motor flange and coupling for your drive.

Limit and reference switch



- ⑨⑩ Inductive limit and reference switches ⑨① Mechanical limit switches

Generally two E0-02 switches are used as limit switches and one ES-02 is used as reference switch.

Description	ID	Often combined
Inductive limit switch		
E0-02	0331410	●
E0-10	0331412	
ES-02	0331411	●
ES-10	0331413	
Mechanical limit switch		
EMB	0331415	●
EMS	0331414	

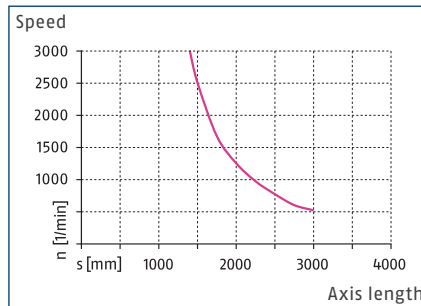
- ① The positions and dimensions of limit switches, switching lugs, and mounting components may vary depending on the application and the selected limit switches. Please contact us for assistance.

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Linear table

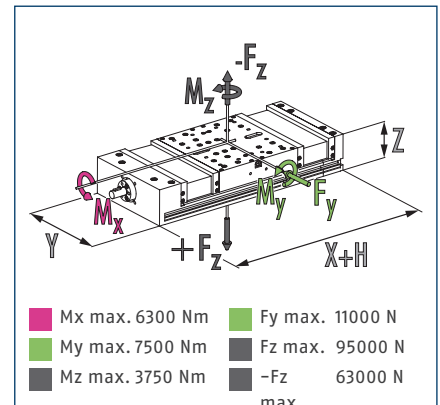


Max. spindle speed



① The diagram shows the maximum spindle speed depending on the overall length of the unit.

Dimensions and maximum loads



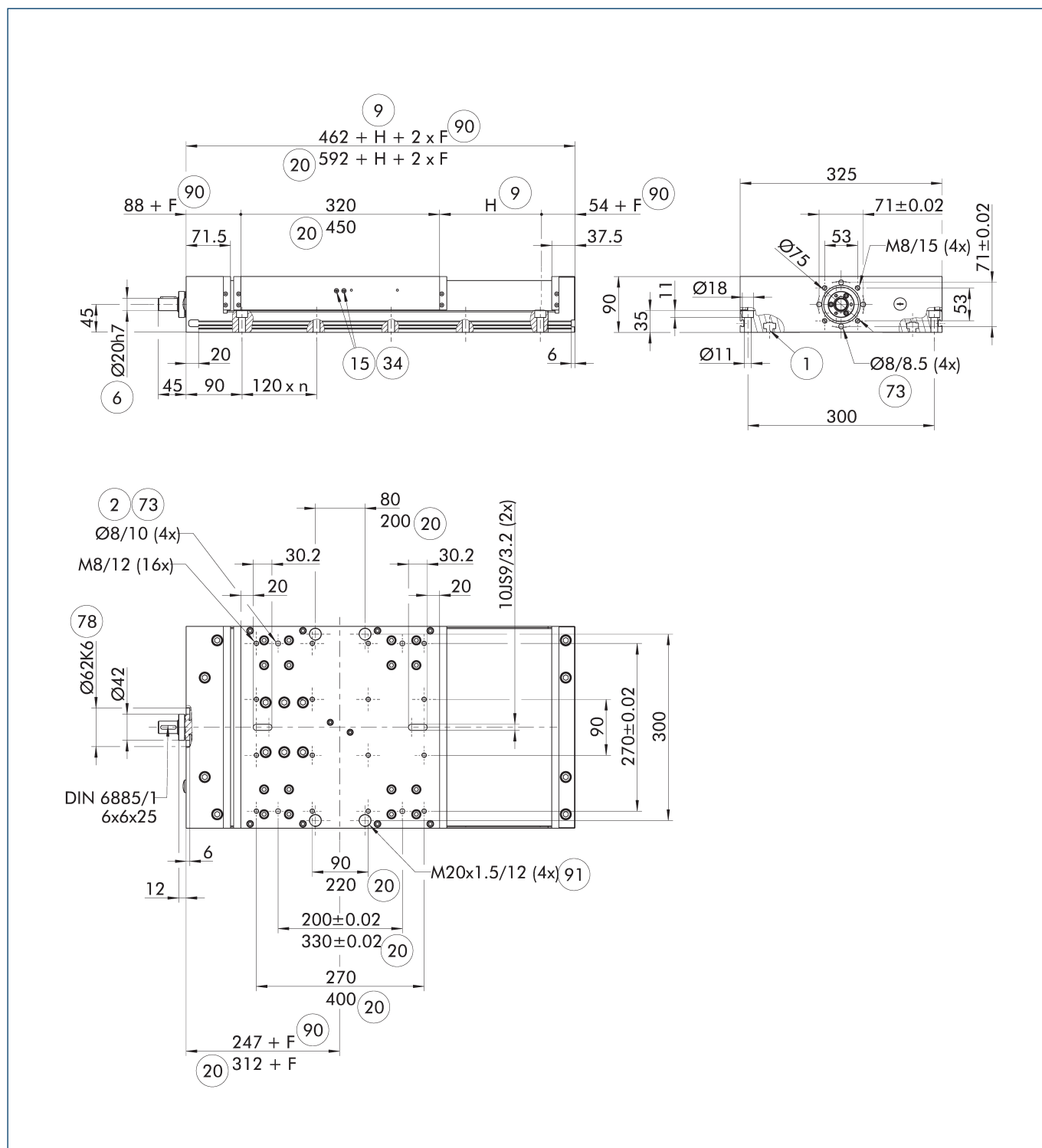
① The indicated forces and moments are maximum values for individual loading. If several forces and/or moments are applied at the same time, the maximum permitted individual values will be lower.

Technical data

Description		A 30-B-325
Max. stroke H	[mm]	2224
Max. driving force	[N]	12000
Repeat accuracy	[mm]	±0.03
Max. total length	[mm]	3000
Max. speed	[m/s]	2
Max. acceleration	[m/s ²]	20
Min./max. ambient temperature	[°C]	0/80
Dead weight of base including slide	[kg]	37
Additional mass per 100 mm stroke	[kg]	3.8
Weight of slide	[kg]	13.4
Dead weight of slide, long	[kg]	18.8
Guidance system		Rail guide
Number of rails		2
Size of rails		30
Drive concept		Spindle drive
Idle torque	[Nm]	1.6
Moment of inertia	[kgm ²]	0.000639
Spindle diameter	[mm]	32
Spindle pitch	[mm]	5/10/20/40
Max. spindle speed	[1/min]	3000

① Please note that the long slide plates reduce the maximum stroke H.
Please note that the moment of inertia for spindle axes refers to one meter.

Main view



The drawing shows the unit in standard design, without considering any dimensions of the options described below.

① Number of folds = nominal stroke $H/42$ [rounded-up to whole number]; $F = (\text{number of folds} \times 3) - 2$

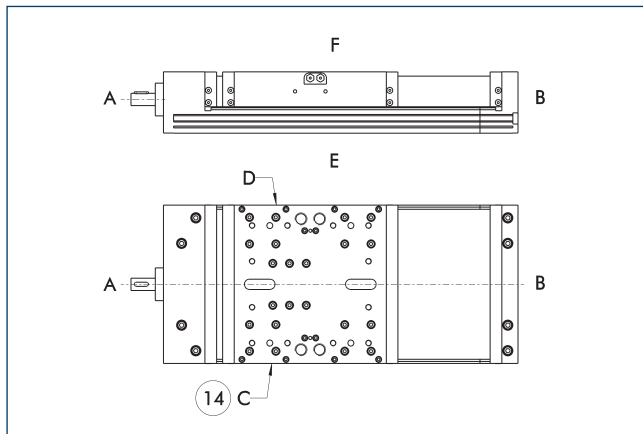
- ① Connection linear unit
- ② Attachment connection
- ⑥ Drive connection
- ⑨ Nominal stroke
- ⑮ Lubricant connection
- ⑳ With long slide plate

- ③④ On both sides
- ⑦③ Fit for centering pins
- ⑦⑧ Fit for centering
- ⑨⑩ Bellow block length
- ⑨① Passage for internal mounting holes for short strokes

Alpha 30

Linear table

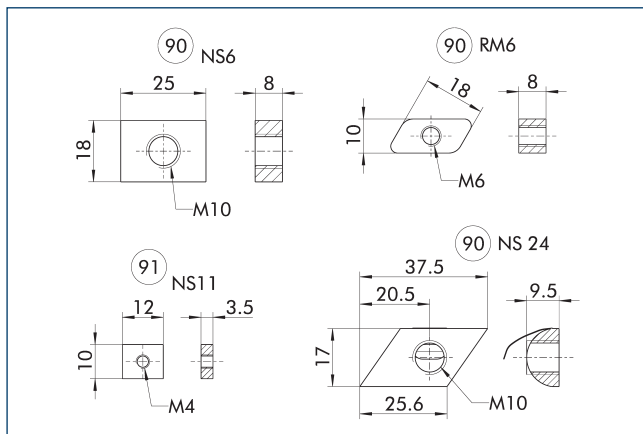
Side definition



⑭ Limit switch standard position

This drawing indicates the definition for the sides. This serves as the basis for all attachments.

Fastening elements



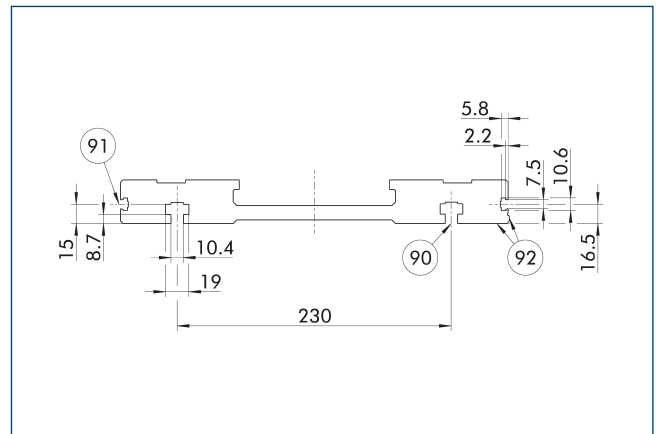
⑨⑩ T-nut at the bottom side

⑨⑪ Side T-nut

The unit can be fixed in place using T-nuts. The exact mounting position is indicated on the adjacent attachment illustration.

Description	ID	
T-nut		
NS 11-M4	0331429	
NS 24-M10	1516296	
NS 6-M10	0331409	
RM6-M6	0331427	

Mounting



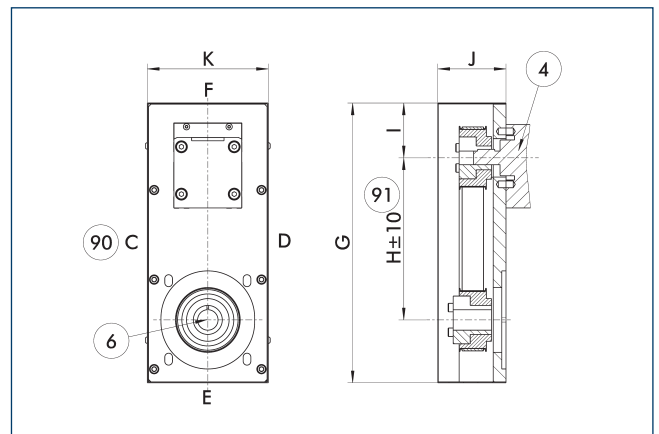
⑨⑩ T-nut at the bottom side

⑨⑫ Stop edge for alignment of axis

⑨⑪ Side T-nut

The profile can be secured using T-nuts.

Angle belt drive



④ Linear unit

⑨⑩ Attachment direction of angle belt drive

⑥ Drive connection

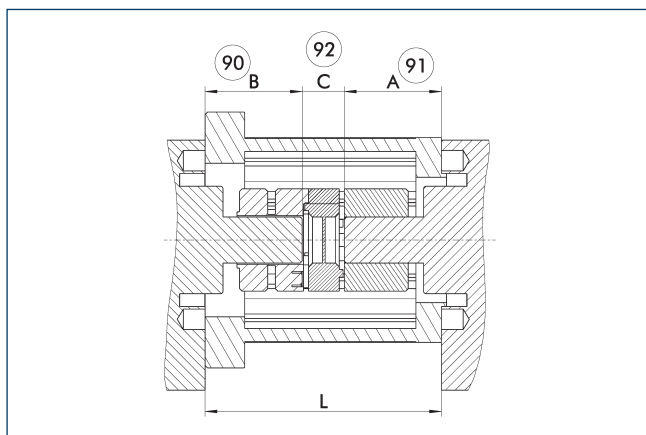
⑨⑪ Dependent on transmission ratio and toothed belt design.

The angle belt drive makes it possible to achieve various drive solutions in confined spaces. SCHUNK offers the suitable angle gear for your drive.

Description	G	H	I	J	K
	[mm]	[mm]	[mm]	[mm]	[mm]
A 30-B-325	328	190	64	80	142

① Possible transmission ratios: $i = 1 : 1$, $i = 2 : 1$ and $i = 3 : 1$

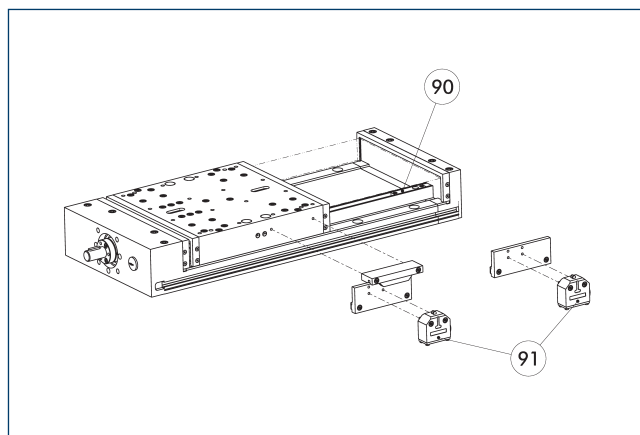
Motor flange schematic diagram



- ⑨⑩ Length of motor / transmission drive shaft ⑨① Length of linear unit drive journal
 ⑨② Clutch length

Different drive solutions can be attached to our axes. SCHUNK offers you the right motor flange and coupling for your drive.

Limit and reference switch



- ⑨⑩ Inductive limit and reference switches ⑨① Mechanical limit switches

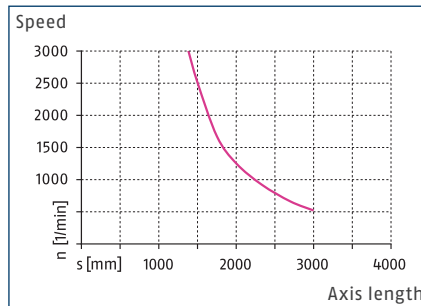
Generally two E0-02 switches are used as limit switches and one ES-02 is used as reference switch.

Description	ID	Often combined
Inductive limit switch		
E0-02	0331410	●
E0-10	0331412	
ES-02	0331411	●
ES-10	0331413	
Mechanical limit switch		
EMB	0331415	●
EMS	0331414	

- ① The positions and dimensions of limit switches, switching lugs, and mounting components may vary depending on the application and the selected limit switches. Please contact us for assistance.

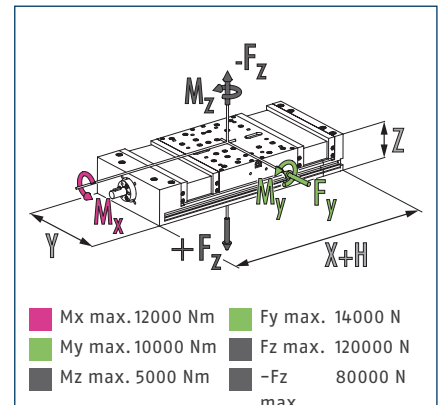


Max. spindle speed



① The diagram shows the maximum spindle speed depending on the overall length of the unit.

Dimensions and maximum loads



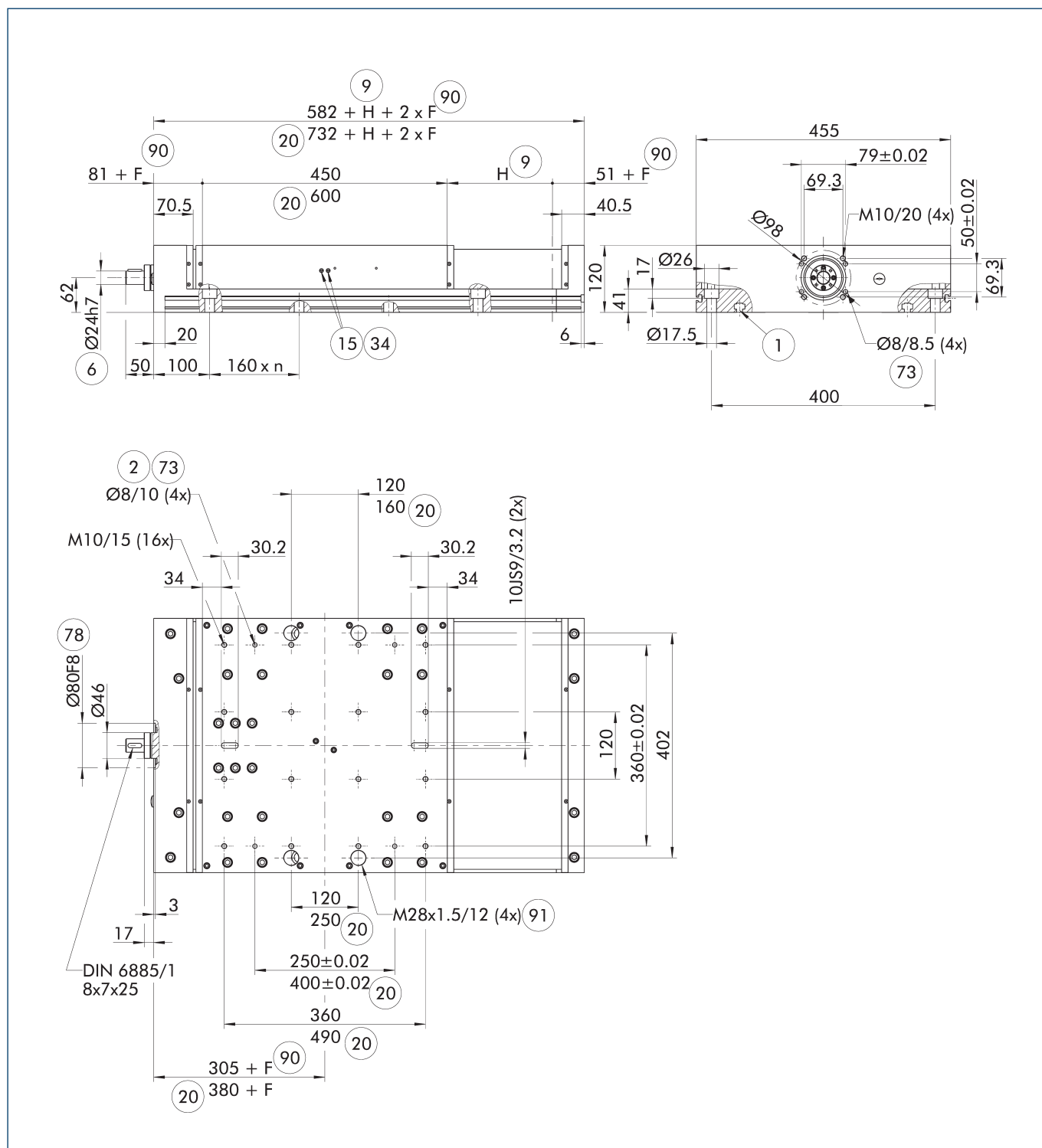
① The indicated forces and moments are maximum values for individual loading. If several forces and/or moments are applied at the same time, the maximum permitted individual values will be lower.

Technical data

Description		A 35-B-455
Max. stroke H	[mm]	2170
Max. driving force	[N]	18000
Repeat accuracy	[mm]	±0.03
Max. total length	[mm]	3000
Max. speed	[m/s]	2
Max. acceleration	[m/s ²]	20
Min./max. ambient temperature	[°C]	0/80
Dead weight of base including slide	[kg]	65.2
Additional mass per 100 mm stroke	[kg]	5.2
Weight of slide	[kg]	26.2
Dead weight of slide, long	[kg]	33.8
Guidance system		Rail guide
Number of rails		2
Size of rails		35L
Drive concept		Spindle drive
Idle torque	[Nm]	2.5
Moment of inertia	[kgm ²]	0.00134
Spindle diameter	[mm]	40
Spindle pitch	[mm]	5/10/20/40
Max. spindle speed	[1/min]	3000

① Please note that the long slide plates reduce the maximum stroke H.
Please note that the moment of inertia for spindle axes refers to one meter.

Main view



The drawing shows the unit in standard design, without considering any dimensions of the options described below.

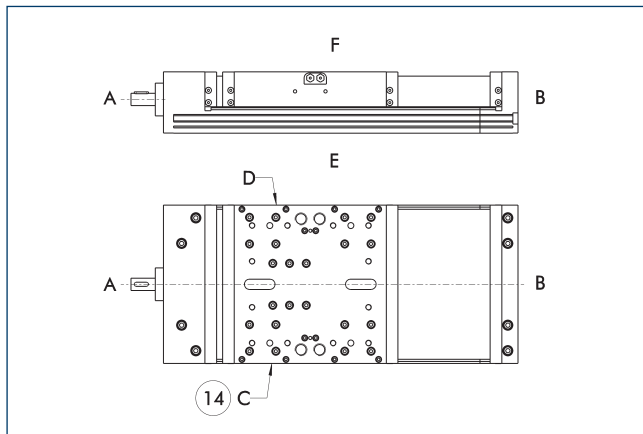
① Number of folds = nominal stroke $H/52$ [rounded-up whole number]; F = (number of folds $\times 3$) - 2

- | | |
|--------------------------|--|
| ① Connection linear unit | ③④ On both sides |
| ② Attachment connection | ⑦③ Fit for centering pins |
| ⑥ Drive connection | ⑦⑧ Fit for centering |
| ⑨ Nominal stroke | ⑨⑩ Bellow block length |
| ⑮ Lubricant connection | ⑨① Passage for internal mounting holes for short strokes |
| ⑳ With long slide plate | |

Alpha 35

Linear table

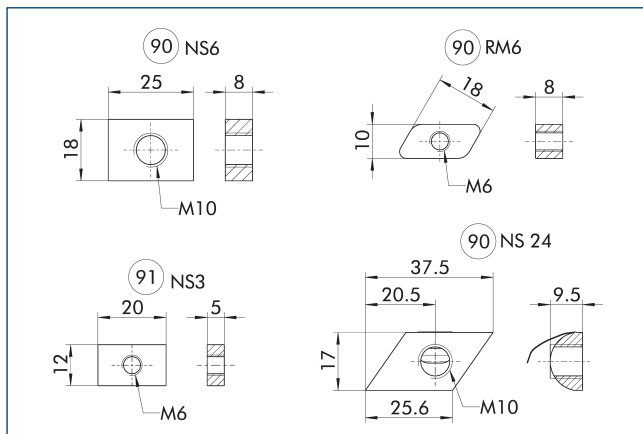
Side definition



⑭ Limit switch standard position

This drawing indicates the definition for the sides. This serves as the basis for all attachments.

Fastening elements



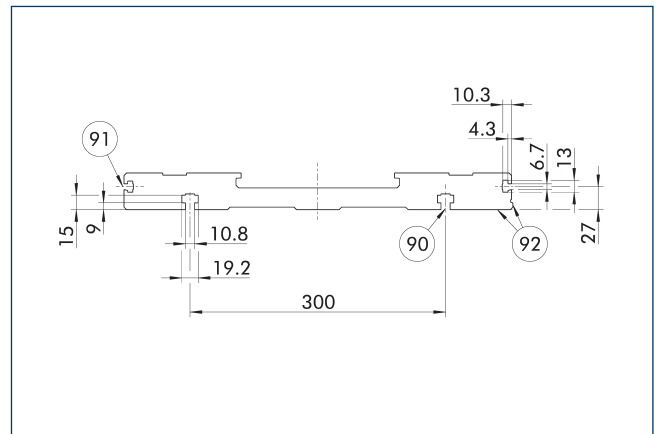
⑨ T-nut at the bottom side

⑨ Side T-nut

The unit can be fixed in place using T-nuts. The exact mounting position is indicated on the adjacent attachment illustration.

Description	ID	
T-nut		
NS 24-M10	1516296	
NS 3-M6	0331406	
NS 6-M10	0331409	
RM6-M6	0331427	

Mounting



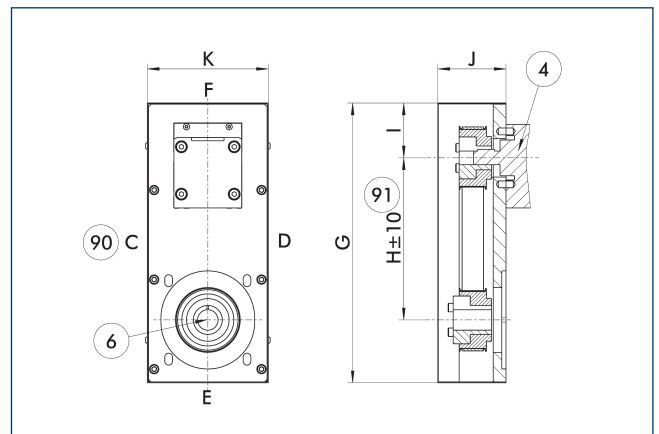
⑨ T-nut at the bottom side

⑨ Stop edge for alignment of axis

⑨ Side T-nut

The profile can be secured using T-nuts.

Angle belt drive



④ Linear unit

⑨ Attachment direction of angle belt drive

⑥ Drive connection

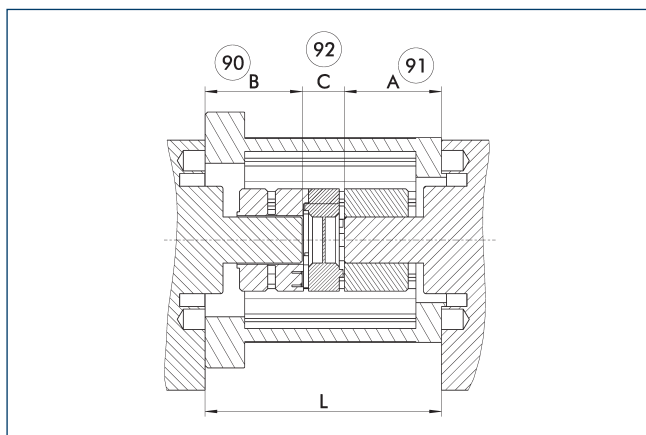
⑨ Dependent on transmission ratio and toothed belt design.

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Description	G	H	I	J	K
	[mm]	[mm]	[mm]	[mm]	[mm]
A 35-B-455	328	190	64	80	142

① Possible transmission ratios: $i = 1 : 1$, $i = 2 : 1$ and $i = 3 : 1$

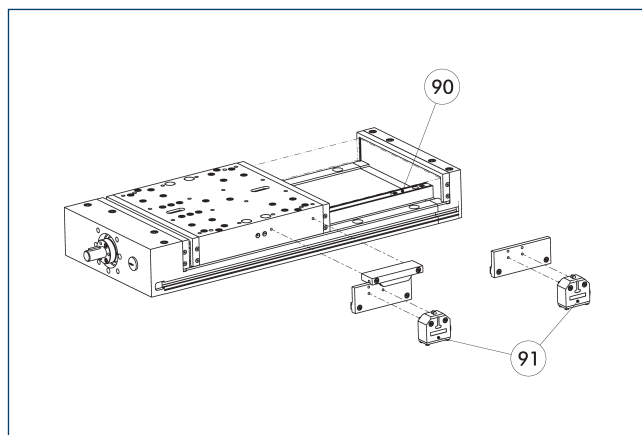
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EMB	0331415	●
EMS	0331414	

- ① The positions and dimensions of limit switches, switching lugs, and mounting components may vary depending on the application and the selected limit switches. Please contact us for assistance.



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