







Heritage of innovation for technology leadership

Ewellix is a global innovator and manufacturer of linear motion and actuation solutions. Today, our state-of-the-art linear solutions are designed to increase machine performance, maximise uptime, reduce maintenance, improve safety and save energy.

Technology leadership

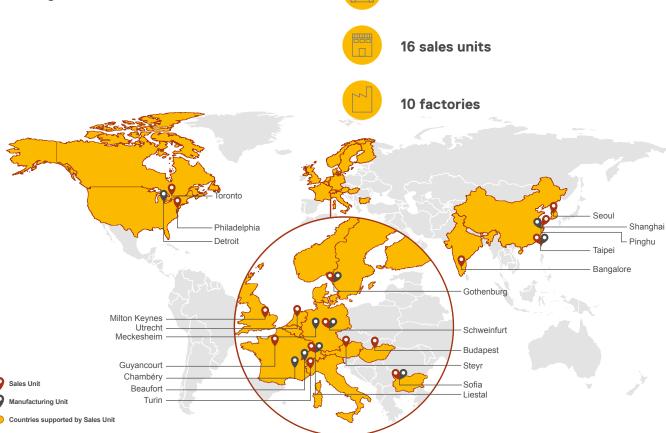
Our journey began **over 50 years** ago as part of the SKF Group, and our history with SKF provided us with the **expertise to continuously develop new technologies** and use them to create cutting edge products that offer our customers a competitive advantage.

In 2019, we became independent from SKF and changed our name to Ewellix. **We are proud of our heritage.** This gives us a unique foundation on which to build an agile business with engineering excellence and innovation as our core strengths.

Global presence and local support

1200 employees

With our **global presence**, we are uniquely positioned to deliver **standard components and custom-engineered solutions**, with full technical and applications support around the world. Long standing relationships with our distributor partners allow us to support customers in a variety of different industries. At Ewellix, we don't just provide products; **we engineer integrated solutions** that help customers realise their ambitions.





Benefits for handling

Concerning handling applications, it's often required to cover long distances between machines, like machined parts loading and unloading on CNC centers.



This repetitive operation, usually done manually, is time consuming and with low added value for the operators.

By using a cobot on the Ewellix linear module, it is possible to easily automate this handling process, increasing its productivity and reliability.

Linear modules from Ewellix providefast and precise movements to efectively position the robot along a horizontal axis.



Linear axis for collaborative robots SLIDEKIT 2.0

Operating range extension

By adding a linear module as a dynamic base for the robot, it is possible to extend the handling operating area of the robot, increasing the productivity of a series of machines working in the same production flow.

Plug-and-play solution

The SLIDEKIT 2.0 provides quick and fast installation, by having a standardized mechanical, electrical and software

interface with Universal Robots. In few steps, the system is ready to be used and simply programmed in operation.

Cost savings and higher productivity

UR cobots combined with the SLIDEKIT 2.0 linear module provide a cost-effective solution to upgrade an existing assembly shop, moving from a manual handled to a fully automatized line.

Improved performances

The 2.0 release of the SLIDEKIT delivers several improvements compared to the former version, like higher system reactivity and stability, lower noise in operation and optimized design for limit switches and re-lubrication points

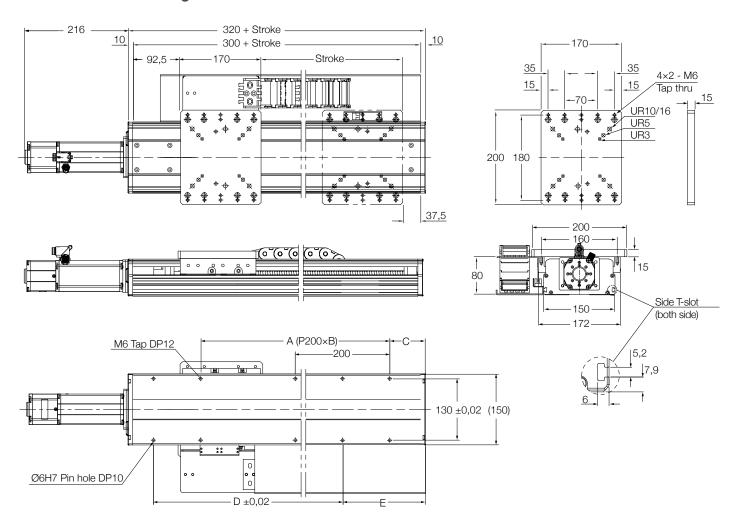


Technical data

Designation	Unit	SLIDEKIT-UR	SLIDEKIT-00	
Linear module type	-	CLSM-150	CLSM-150	
Performance Data				
Max. dynamic payload	Ν	10 900	10 900	
Max. static load capacity	N	12 100	12 100	
Max. dynamic moments Mx	Nm	2 400	2 400	
Max. dynamic moments Mz	Nm	1 800	1 800	
Max. linear speed	mm/s	See graph page 6	See graph page 6	
Duty cycle	%	100	100	
Mechanical Data				
Screw type	-	Ball screw	Ball screw	
Stroke range	mm	100 - 1 800	100 - 1 800	
Repeatability (same direction and load)	mm	± 0.01	± 0.01	
Weight @ 0 mm stroke	Kg	10	10	
Δ weight per 100mm stroke	Kg	1,4	1,4	
Robots compatibility	-	UR3, UR5, UR10, UR16, e-Series	Any robot	
Cable management	-	Cableveyor	Cableveyor	
Electrical				
Voltage/Current	V/A	115 VAC / 4.8 A 230 VAC / 2.4 A 24 DC / 20A	115 VAC / 4.8 A 230 VAC / 2.4 A 24 DC / 20A	
Emergency stop	-	Connection to UR safety I/O	Connection to Robot safety I/O	
Communication		· ·	·	
Control interface	-	URCaps plugin compatible with CB3.1 / Polyscope 3.6 or higher	Digital I/O control, CAN interface for external software control (no software provided)	
Positioning, repeatability	mm	± 0.1	± 0.1	
Accessible positions	-	any	14 memory positions programmable	
Feedback	-	Position feedback via URCaps	Position feedback via output signal	
Soft start and stop	-	Implemented for smooth operation	Implemented for smooth operation	
Software control	-	URcap	CAN interface for external software control (no software provided / The software can be downloaded from the Dunker motor website)	
Environment				
Type of protection	IP	Controll box = IP64 SlideKit =N/A	Controll box = IP64 SlideKit =N/A	
Ambient temperature	°C	0 to +50	0 to +50	
Max. humidity	%	95	95	



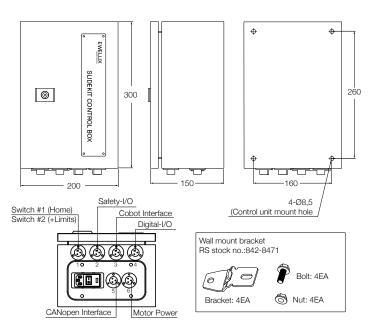
Dimensional drawing



	Stroke mm	A	В	С	D	E
1	100	200	1	75	200	175
2	200	400	2	25		125
3	300	400	2	75	400	175
4	400	600	3	25		125
5	500	600	3	75	600	175
6	600	800	4	25		125
7	700	800	4	75	800	175
8	800	1 000	5	25		125
9	900	1 000	5	75	1 000	175
10	1 000	1 200	6	25		125
11	1 100	1 200	6	75	1 200	175
12	1 200	1 400	7	25		125
13	1 300	1 400	7	75	1 400	175
14	1 400	1 600	8	25		125
15	1 500	1 600	8	75	1 600	175
16	1 600	1 800	9	25		125
17	1 700	1 800	9	75	1 800	175
18	1 800	2 000	10	25		125

Standard stroke

Control unit



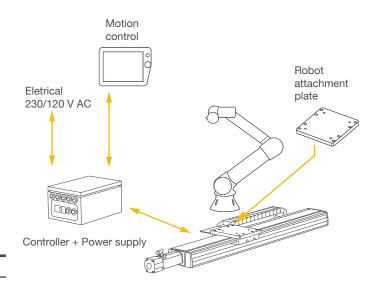


Performance diagram

- Ball screw lead 20

Linear speed [mm/s] 1 200 1 000 800 600 400 200 200 400 600 800 1 000 1 200 1 400 1 600 1 800 2 000 Stroke [mm]

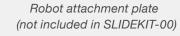
Connection diagram



SLIDEKIT 2.0 contains

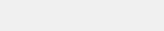


*Teach pendant not included





Cableveyor









Control unit











CAN D-SUB 9Pin

Digital IO

Motor Power

Proximity Switch



Software functionality

The URCaps software for the SLIDEKIT 2.0 allows easy positioning access directly within the UR Polyscope environment.

Setup

In the installation tab, the user can manually move the linear axis in both directions and define multiple user specific positions, that are accessible in programming mode.

Motion programming

Within the UR motion program, the SLIDEKIT 2.0 axis is easily integrated through a URCaps command module. Simply insert this element from the structure tab at the desired position of the program. Additionally, reading and setting positions is possible through a script function.

Safety elements

The SLIDEKIT 2.0 has a range of safety elements built in to allow its integration into a robot application.

Software updates

To download the latest software update please check on ewellix.com/support/library/software updates.

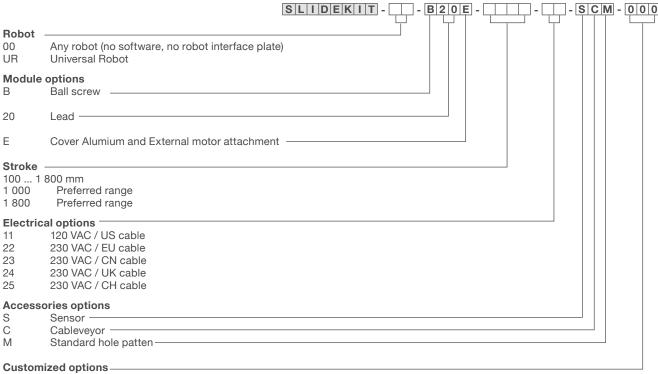




SLIDEKIT 2.0 software functionality

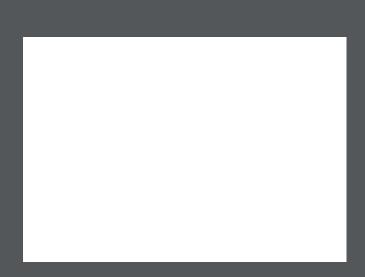
The SLIDEKIT 2.0 is not a functional safety system compliant with EN ISO 13489-1 or IEC 62061. To integrate the SLIDEKIT 2.0 into a functional safety chain, external safety devices have to be integrated into the overall system.

Ordering key



Option 3

- Option 1
- Option 2



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