Low Cost Automation | Product range

Flat linear robot - for predefined surfaces

Part No.
DLE-FG-0001 version with encoder
DLE-FG-0002 version with
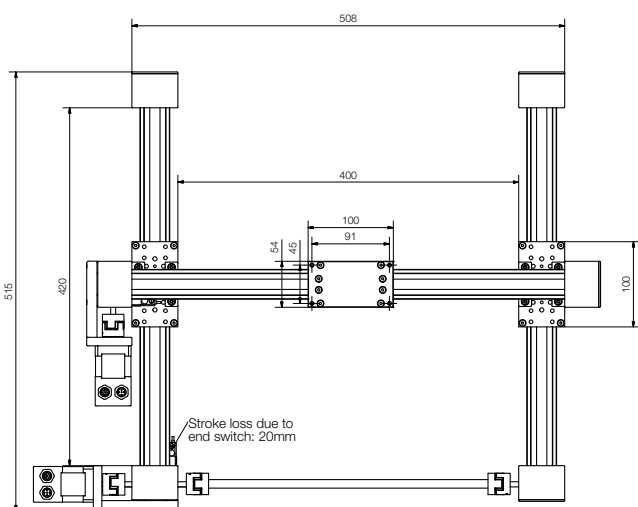stranded wire
DLE-FG-0003 econ version
DLE-FG-0005 version with encoder
DLE-FG-0006 version with encoder

igus® Robot Control
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508
400
100
91
54
45
100
515
420

Stroke loss due to
end switch: 20mm

DLE-FG-0003

● **x-axis:** drylin® ZLW-1040 econ toothed belt axis with NEMA23 stepper motor with stranded wire
● **y-axis:** drylin® ZLW-1040 econ toothed belt axis with NEMA17 stepper motor
● Proximity switches, connection cables, control systems and other installation sizes upon request

DLE-FG-0005

● **x-axis:** drylin® ZLW-1040-B toothed belt axis, NEMA23 stepper motor with encoder
● **y-axis:** drylin® ZLW-1040-B toothed belt axis, NEMA23 stepper motor with encoder
● **Accessories (supplied loose):** mounting plates, connecting shaft, couplings, clamps
● Proximity switches, connection cables, control systems and other installation sizes upon request

DLE-FG-0001

● **x-axis:** drylin® ZLW-0630 toothed belt axis with NEMA17 stepper motor with encoder
● **y-axis:** drylin® ZLW-0630 toothed belt axis with NEMA17 stepper motor with encoder
● Proximity switches, connection cables, control systems and other installation sizes upon request

DLE-FG-0002

● **x-axis:** drylin® ZLW-0630 toothed belt axis with NEMA17 stepper motor with stranded wire
● **y-axis:** drylin® ZLW-0630 toothed belt axis with NEMA17 stepper motor with stranded wire
● Proximity switches, connection cables, control systems and other installation sizes upon request

DLE-FG-0006

● **x-axis:** drylin® ZLW-1040S toothed belt axis, NEMA23 XL stepper motor with encoder
● **y-axis:** drylin® ZLW-1080S toothed belt axis, NEMA23 stepper motor with encoder
● With proximity switches and connecting cables
● Control systems and other installation sizes available

Technical data

		DLE-FG-0001	DLE-FG-0002	DLE-FG-0003	DLE-FG-0005	DLE-FG-0006
Workspace[181]	[mm]	300 x 300	300 x 300	500 x 500	500 x 500	650 x 650
Max. speed	[m/s]	1.5	1.5	0.5	1.0	1.0
Max. acceleration	[m/s²]	10.0	10.0	1.0	1.0	1.0
Repeatability	[mm]	0.3	0.3	1.0	0.5	0.5
Max. load capacity	[N]	80.0	80.0	10.0	80.0	100.0

[181] Customised stroke length upon request