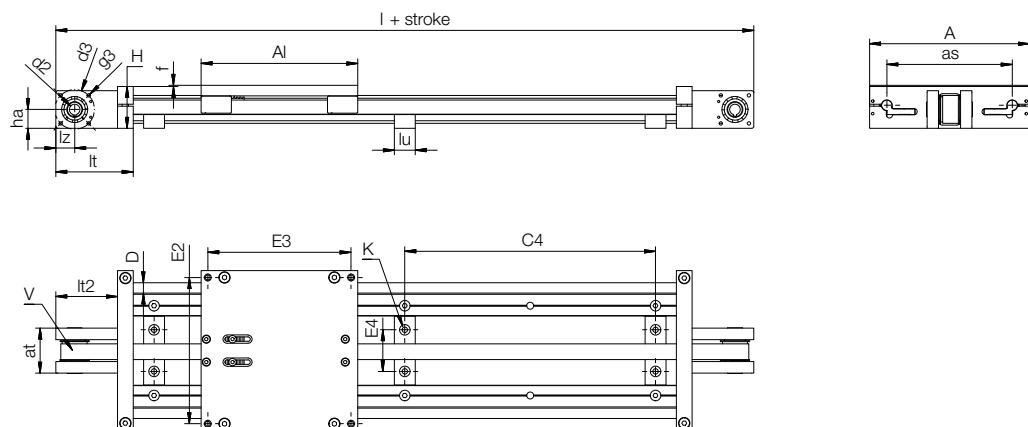


**drylin® ZLW-1050-ES-FDA****Toothed belt axis****Narrow, FDA-compliant**

The drylin® toothed belt axis ZLW-1050-ES-FDA offers high dynamics for fast acceleration. Its narrow design with an axis distance of 50mm makes it perfect for small installation spaces. The stroke length can be adjusted up to 2,000mm.

- Liners, toothed belts, ball bearings made from FDA-compliant materials
- Transparent, lightweight design for fast cleaning processes and reduced downtimes
- Tested: load 15N, stroke length 800mm, speed 1.0m/s, acceleration 2.0m/s<sup>2</sup>, running performance min. 13,196 double strokes
- No lubrication and maintenance
- Can be configured and ordered online, including service life calculation: [igus.eu/ddx](http://igus.eu/ddx)

**Product range**

Part No.	A [mm]	AI [mm]	H [mm]	E2 [mm]	E3 [mm]	E4 [mm]	C4 [mm]	f [mm]	lt [mm]	ha [mm]	lz [mm]	I [mm]
ZLW-1050-ES-FDA	83	100	40	70	87	70	240	1	74	18	18	248
ZLW-10120-ES-FDA	153	150	40	140	137	40	240	1	74	18	18	298

Part No.	d2 H7	d3 [mm]	g3 [mm]	D [mm]	K [mm]	at [mm]	lt2 [mm]	lu [mm]	V [mm/rev]
ZLW-1050-ES-FDA	10	38	M4	10	For DIN912 - M4	43	59	20	80
ZLW-10120-ES-FDA	10	38	M4	10	M6 / for DIN912 - M5	43	59	20	80

Part No.	Shaft Ø [mm]	Axis distance [mm]	Weight [kg]	Max. stroke length 100mm stroke [mm]	Transmission [mm/rev]	Tooth profile	Carriage length [mm]	Max. radial load [N]
without stroke 100mm stroke								
ZLW-1050-ES-FDA	10	50	2.6	0.13	2,000	80	AT5	150/200/250
ZLW-10120-ES-FDA	10	120	4.7	0.30	2,000	80	AT5	150/200/250

Part No.	Toothed belt material	Toothed belt width [mm]	Toothed belt tension [N]	Guide bearing	Max. speed [m/s]	Max. position accuracy [mm]	Idle torque [Nm]	Max. drive torque [Nm]
ZLW-1050-ES-FDA	PU FDA with stainless steel	16	200	Deep groove ball bearings	5	± 0.20	0.4	2.5
ZLW-10120-ES-FDA	PU FDA with stainless steel	16	200	Deep groove ball bearings	5	± 0.20	0.4	2.5

Plain bearing: iglidur® A160