

	Art. #	built-in dwg	plug assembly	Maintenance
built-in cassette	752160 LA	752954 EBLA	751 LA-SPB	752160 LA-WMA
	752160 LAU	752955 EBLAU	751 LA-SPB	752160 LA-WMA
	752160 2.9	752950 EB	751 SPB	752160 2.9-WMA
	752160 L 2.9	752951 EBL	751 SPB	752160 2.9-WMA
built-in cylinder	752150 LA	75190X EBLA	751 LA-SPB	752150 LA-WMA
	752150 L 2.9	751903 EBL	751 SPB	752150 2.9-WMA
	752150 2.9	751902 EB	751 SPB	752150 2.9-WMA
	752120 LA	752120 EBLA	751 LA-SPB	752120 LA-WMA

Definitions	Value	Unit
Pull-in force	9'000	N
Boundary pull-in force	8'000	N
Retention force	40'000	N
Releasing operating pressure (min. - max.)	60 - 70	bar
Repeat accuracy	0.01	mm
Clamping cycles until maintenance	1'000'000	cycles
Clamping cycles until pull-in force has to be checked	200'000	cycles
Oil volume until released (with airblast center)	26	cm ³
Oil volume until released (without airblast center)	28	cm ³
* Time until released (when directly connected)	2.5	sec
Pre-centering (automation)	+/- 1.5	mm
Pre-centering (manually)	+/- 4	mm
Noise (clamping process)	ca. 20	dBA
Clamping time	unlimited	---
Hydraulic medium	HLP ISO VG46	---
Piston position monitoring (by gear-type flowmeter)	possible	---
Secured, no release without pressure medium	yes	---

Requirements for the environment	Value	Unit
Ambient temperature by operating	15 - 60	°C
Ambient temperature when storing	15 - 30	°C
Contamination & purity class hydraulic oil	16/13/10	ISO4406
Contamination & purity class pneumatics	7:4:4	ISO8573-1
Media supply-Ø	min. Ø5	mm per cassette

* Depending on the media supply-Ø, cable length and quantity of cylinders/cassettes