

	Art. #	Built-in dwg	Plug assembly	Maintenance
Built-up cassette	752178	---	752 SPB	752178 WMA
	752178 L	---	752 SPB	752178 WMA
	752178 I	---	752 SPB	752178 WMA
	752178 LI	---	752 SPB	752178 WMA
Built-in cassette	752172	752960 EB	752 SPB	752172 WMA
	752172 L	752961 EBL	752 SPB	752172 WMA
	752172 I	752960 EB	752 SPB	752172 WMA
	752172 LI	752961 EBL	752 SPB	752172 WMA
	752172 U	752962 EBU	752 SPB	752172 WMA
	752172 LU	752963 EBLU	752 SPB	752172 WMA
	752172 LIU	752963 EBLU	752 SPB	752172 WMA

Definitions	Value	Unit
Pull-in force	20'000	N
Boundary pull-in force	18'000	N
Retention force	60'000	N
Releasing operating pressure	70 - 80	bar
Repeat accuracy	0.01	mm
Clamping cycles until maintenance	100'000	cycles
Clamping cycles until pull-in force has to be checked	10'000	cycles
Oil volume until release	40	cm ³
* Time until released (when directly connected)	2.5	sec
Pre-centering (automation)	+/- 1.5	mm
Pre-centering (manual)	+/- 4	mm
Noise (clamping process)	ca. 20	dBA
Clamping time	unlimited	---
Hydraulic medium	HLP ISO VG46	---
Piston position monitoring (by geartype 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 lenght and quantity of cylinders/cassettes