

	Art. #	Built-in dwg	Plug assembly	Maintenance
<b>Built-up cassette</b>	753178	---	753 SPB	753178 WMA
	753178 L	---	753 SPB	753178 WMA
	753178 I	---	753 SPB	753178 WMA
	753178 LI	---	753 SPB	753178 WMA
<b>Built-in cassette</b>	753172	753970 EB	753 SPB	753172 WMA
	753172 L	753971 EBL	753 SPB	753172 WMA
	753172 I	753970 EB	753 SPB	753172 WMA
	753172 LI	753971 EBL	753 SPB	753172 WMA
	753172 U	753972 EBU	753 SPB	753172 WMA
	753172 LU	753973 EBLU	753 SPB	753172 WMA
	753172 LIU	753973 EBLU	753 SPB	753172 WMA
	753172 LK	753974 EBLK	753 SPB	753172 WMA

Definitions	Value	Unit
Pull-in force	30'000	N
Boundary pull-in force	26'500	N
Retention force	90'000	N
Releasing operating pressure	70 - 80	bar
Repeat accuracy	0.01	mm
Clamping cycles until maintenance	20'000	cycles
Clamping cycles until pull-in force has to be checked	5'000	cycles
Oil volume until release	60	cm <sup>3</sup>
* Time until released (when directly connected)	3.5	sec
Pre-centering (automation)	+/- 2	mm
Pre-centering (manual)	+/- 6	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-length and quantity of cylinders/cassettes