

## 05–260 Checking valve springs

---

### Valve spring data

Part No. (optional)	Color code	OD mm	Wire dia. mm	Length unloaded mm	Spring force at preloaded length mm	Spring force at preloaded when new N	limit value N
Inner spring 108 053 00 20 (114 053 00 22)	white	22.2	2.5	45	21	228–252	205
Outer spring 129 053 02 20 <sup>1)</sup> 129 053 03 20 <sup>1)</sup>	red red	33.2–33.7 33.1–33.4	4.3 4.25	50 50	30 31	677–763 635–705	609 571
Outer spring 110 053 01 20 <sup>2)</sup>	yellow/red violet/red	34.1–34.5	4.75	49	30.5	860–920	775

1) Only together with inner spring.

2) Without inner spring.

### Checking

---

- 1 Check valve springs with a valve spring tester or a spring testing scale.
- 2 Check spring force at specified length.
- 3 Renew valve springs if below limit value.

