

## 05-2845 Checking valve guides

Preceding work:  
Cylinder head removed.  
Valves removed.

Inlet and exhaust valve guides .....	inspect with gauge in longitudinal and in transverse direction. For this purpose, check whether the NO GO end with the wear limit size (+ 220) can be inserted into the valve guides over its entire height (5 mm). If the gauge can be inserted over its entire height, replace valve guide.
Seat of valve stem seal on inlet and exhaust valve guides .....	examine. If seat worn so that valve stem seal is no longer tightly located, replace valve guide.

### Valve guides

Engine		Valve guide ID		Gauge (special tool)
		Inlet	Exhaust	
104.980/981 (1st version)		8 mm	-- 9 mm	102 589 00 23 00 117 589 03 23 00
104.980/981 104.990	(2nd version) (1st version)	7 mm --	-- 8 mm	102 589 01 23 00 102 589 00 23 00
104.980/981 104.990	(3rd version) (2nd version)	7 mm --	-- 7 mm	102 589 01 23 00
104.940/941/942/943/944/ 104.945/992/994/995/996				

### Special tools

