Data	Intake		Exhaust		
Valve seat width b	1.3–1.6		2.5-2.9		
Valve seat angle α		30°			
Correction angle to	рβ	60°		/	
Correction angle bo	ottom γ	60°		3	, and the second
Permissible runout	of valve seat	0.03	and the second of the second o		1054-6078
Minimum distance new valve seats	"a" with new valves	and		a	-
Intake		+ 0.17 to -	- 0.23		N KA K
Exhaust		+ 0.12 to -	- 0.28		
Maximum distance machined (refinishe	"a" with new valves ed) valve seats	and			Vanadamin
Intake		1.0			1054 - 5694
Exhaust		1.0			
The max. distance i	s reduced by the san	ne amount by	which the cy	linder head parting s	urface has been refinished.
Valve stem wear (w	ear limit)				0.05
Special tools					
Valve adjusting wre (2 each)	ench 14 mm			11004-6356	615 589 00 01 00
Holding wrench for spring retainer	valve		11004-7118		615 589 00 03 00
Assembly mandrel f	for valve stem seals		11004.6151	40	617 589 00 43 00
Plug gage 10 mm di exhaust valve guide			11004 - 6211	s :	615 589 00 21 00

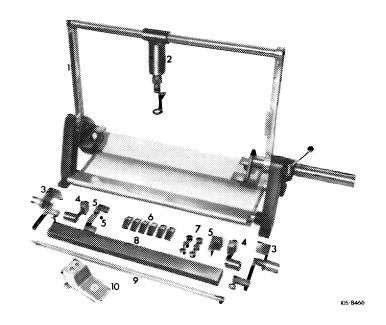
Conventional tools

Cylinder head clamping fixture	e.g. made by Christ, D-6801 Neckarhausen Order No. DBK 60–2		
Valve seat machining tool	e.g. made by Hunger, D-8000 München Type VDNSL 1/45/30, order No. 236.03.308		
Test kit for valve seats	e.g. made by Hunger, D-8000 München Order No. 216.93.300		

Note

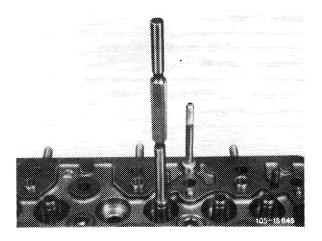
Clamp cylinder head into clamping fixture for disassembly and machining.

Machine valve seats with valve machining tool, with valve seat grinding machine or with valve seat milling cutter.



Machining valve seats

1 Check valve guides and replace, if required (05-285).



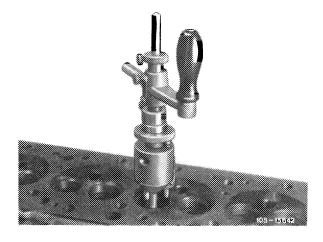
2 Machine valve seat (30°) (refer to operating instructions of tool manufacturer).

Attention!

Release pilot (013) only after runout of valve seat has been checked.

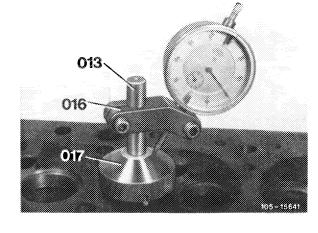
3 Measure valve seat width b and correct below to 60° , if required.

If required, also correct clearance (β) to 60° .



4 Check runout of valve seat.

For this purpose, slip test sleeve (017) with dial gage holder (016) and dial gage on pilot (013) and rotate test sleeve. The permissible runout of 0.03 mm should then not be exceeded.



013 Pilot 016 Dial gage holder 017 Test sleeve

5 Introduce new valve and measure max. distance a.

