_			
n	2	٠	2

Roughness of camshaft bearing j	0.003			
Permissible runout of center bearing journals and camshaft	Camshaft code number ¹)	00	05, 08 0.025 0.030 0.030	
sprocket seat when mounting	Camshaft sprocket seat	0.020		
camshaft at outer bearing	2nd bearing point	0.030		
journals	3rd bearing point	0.025		
Scleroscope hardness of cams	70–82	64–75		
Bearing points (Fig.)	а	b, c and d		
		35.00	46.50	49.00 ²)
Out and and all as an all as	Camshaft bearing dia.	35.02	46.52	49.02
Standard dimension	Journal dia.	34.95	46.45	48.95
		34.93	46.43	$\frac{48.95}{48.93}^{2}$)
	Camshaft bearing dia.	34.90	46.40	48.90 2
	(color code grey)	34.92	46.42	$\frac{48.90}{48.92}^{2}$)
Intermediate stage	Journal dia.	34.85	46.35	48.85
		34.83	46.33	$\frac{48.85}{48.83}^{2}$)
	Camshaft bearing dia.	34.75	46.25	48.75
	(color code red)	34.77	46.27	$\frac{48.75}{48.77}^{2}$)
Repair stage I	North Control of the	34.70	46.20	48.70 ²)
	Journal dia.	34.68	46.18	48.68
AP 1.1 A 6:		34.00		
Width A of journal a (Fig.)	34.04			
Doning along	radial	0.050-0.084		
Bearing play	axial	0.07-0.15		

Special tool

Dial gage holder for end play of camshaft (2 each)



363 589 02 21 00

Conventional tool

Dial gage A 1 DIN 878

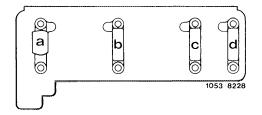
e.g. made by Mahr, D-7300 Esslingen Order No. 810

¹⁾ Code number is punched into rear end of camshaft.
2) Camshaft bearings and journal dia. on engine 617.950 (SA) model year 1980 with increased output and engines 617.951/952.

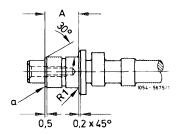
Note

In the event of repairs, regrind camshaft in accordance with available camshaft bearings.

Camshaft bearing journals are not hardened.

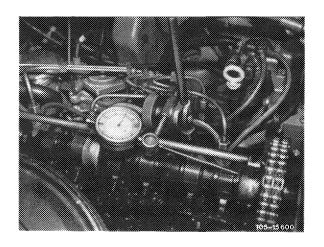


If dimension A is exceeded when grinding 1st bearing journal, also regrind face a.



Measuring end play

- 1 Screw on dial gage holder with threaded sleeve at front left.
- 2 Position dial gage at approx. 3 mm preload against thrust flange of camshaft.
- 3 Push camshaft toward the rear and set large needle to zero.



4 Push camshaft forward and determine end play.

Note: If the end play is too low, touch up 1st camshaft bearing at its face surfaces (arrow).

If the end play is too high, regrind face a on 1st bearing journal of camshaft.

