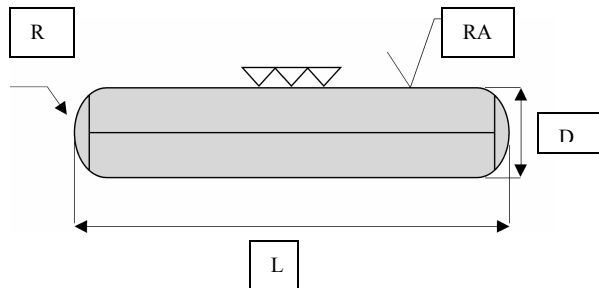
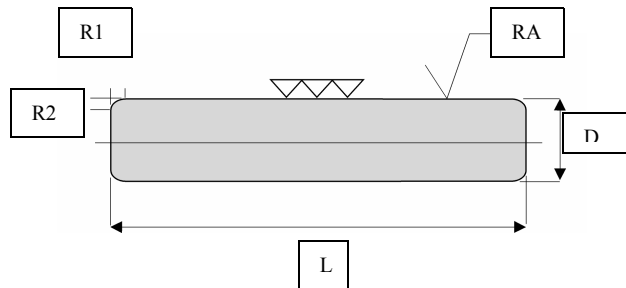


NEEDLE ROLLERS TYPE A and TYPE B

Needle rollers NRA



Needle rollers NRB



Tolerances Needle Rollers

GRADE	GAUGE μ						CIRCULARITY 1) $T_{dw} \mu$	ROUGHNESS $R_a \mu$	LENGTH TOLERANCE
	0	-2	-1	-3	-2	-4			
G2	-3	-5	-4	-6	-5	-7	1	0,2	According H13 norm
	-6	-8	-1	-3	-8	-10			
	G5	0	-5	-3	-8	-5			

1) The values are to be measured at the middle of the roller length.

Date: 16.07.2009