

SURFACE ROUGHNESS REFERENCE SPECIMENS

MEASURING ACCURACY OF ROUGHNESS TESTERS CAN BE IMPROVED,
IF THE CALIBRATION IS MADE ON A REFERENCE SPECIMEN WITH THE
ROUGHNESS VALUE CLOSE TO THE WORKPIECE TO BE MEASURED

- To calibrate roughness testers
- Made of glass



ISR-LS603

Code	Shape*	Roughness (Ra)	Deviation**	Uniformity
ISR-LS601	square wave	0.1μm	-20%~+10%	3%
ISR-LS602	square wave	0.2μm	±10%	3%
ISR-LS603	square wave	0.4μm	±10%	3%
ISR-LS604	square wave	0.8μm	±10%	3%
ISR-LS605	square wave	1.6μm	±10%	3%
ISR-LS606	square wave	3.2μm	±10%	2%
ISR-LS607	square wave	6.4μm	±10%	2%
ISR-LS601S	sine wave	0.1μm	-20%~+10%	3%
ISR-LS602S	sine wave	0.2μm	±10%	3%
ISR-LS603S	sine wave	0.4μm	±10%	3%
ISR-LS604S	sine wave	0.8μm	±10%	3%
ISR-LS605S	sine wave	1.6μm	±10%	3%
ISR-LS606S	sine wave	3.2μm	±10%	2%
ISR-LS607S	sine wave	6.4μm	±10%	2%

* Surface roughness reference specimens with sine wave can be labeled with Rz parameter (customized)

** Deviation between the actual value when supply and the nominal value