

302.1 - Microindentation Hardness (block form)

These SRMs are for use in calibrating and checking the performance of microhardness testers and may be used in conjunction with [ASTM E 384](#). SRMs 1893 through 1907 are 1.25 cm × 1.25 cm (SRM 2798 is 1.35 cm × 1.35 cm) and were made by electroforming the test metal on AISI 1010 steel substrate. SRMs 2830 and 2831 are intended to meet the needs of the structural, electronic and biomedical ceramics communities.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Hardness, nominal (kgf/mm ²)	Load (Newtons)
1893	Copper Microhardness Test Block (Knoop)	each	125	0.245, 0.490, 0.981
1894a	Vickers Microhardness of Copper	each	125	0.245, 0.490, 0.981
1895	Nickel Microhardness Test Block (Knoop)	each	600	0.245, 0.490, 0.981
1896b	Vickers Microhardness of Nickel	each	600	0.245, 0.490, 0.981
1905	Nickel Microhardness Test Block (Knoop)	each	600	2.943
1906	Nickel Microhardness Test Block (Knoop)	each	600	4.905
1907	Nickel Microhardness Test Block (Knoop)	each	600	9.81
1908	Vickers Microhardness of Nickel	each	600	2.943
1909	Vickers Microhardness of Nickel	each	600	9.81
2798a	Vickers Microhardness of Nickel	each	600	4.905
2828	Knoop Microhardness of Steel	each	800	4.90
2829	Vickers Microhardness of Steel	each	800	4.90
2830	Knoop Hardness of Ceramics	each	1500	19.6
2831	Vickers Hardness of Ceramics and Hardmetals	each	1530	9.8

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only