Diesella

CERTIFICATE OF CALIBRATION & TRACEABILITY

GAGE BLOCKS

This calibration certificate documents the traceability to national standard.

which realize the units of measurement accoding to the international System of Units(SI).

The user is obliged to have the object recalibrated at appropriate intervals.

The calibration [illegible]em used for measuring [illegible]pment meets the requirem[illegible]s of [illegible]O/IEC 17[illegible]5.

Material: Steel

Standard: ISO 3650

No. of Blocks: 32PCS

Grade: 1

Set Serial No: 202078

Master Gage Block Set	
Set Number	6948
Traceability:	D-K-15190-01-00
Date:	2019-05-27

MEASURING CONDITIONS

During the measurements of the center deviatio[illegible]) and th[illegible]de[illegible]tions, [illegible]nd f_u, the gauge blocks up to 5.5mm laid on the not inscripted face and the [illegible]auge bloc[illegible]e[illegible]r th[illegible]5.5[illegible]n on the left face on the comparators measuring table.

The temperature deviatio[illegible]o 20℃ du[illegible]g the [illegible]asure[illegible]ts was maximally ±0.3K and the maximum deviation of the gauge block[illegible]ach[illegible]ner ±0.1K.[illegible]ar t[illegible]al coefficient of thermal expansion of steel was assumed the val[illegible]1,5·10^{-6}[illegible]

UNC[illegible]AINTY OF MEA[illegible]RE[illegible]T

The unc[illegible]y of the de[illegible]tion for the central length l_c from nominal length l_n is

U=0,05 µm+1·10^{-6}·l; l is the length of the gauge block

The uncerta[illegible]of measurement for the deviations f_o and f_u is

U=0,05µm

The uncertainty stated is the expanded uncertainty by multiplying the standard uncertainty by the coverage factor k=2. The value of the measurand lies within the assigned range of values with a probability of 95%.

MEASURING RESULT

The declaration of the measuring results ensued in compliance with DIN EN ISO 3650, February 1999. The length indications are valid for a reference temperature of 20℃ and for the measuring properties of the gauge blocks shown during the calibration procedure.

DATE: 2021-06-22

QUALITY ASSURANCE: frangstrao

Nominal size in mm	Deviation of central length from nominal size at 20 ℃ in µm	Deviation of central length f_o in µm	f_u	Id.No.	Nominal size in mm	Deviation of central length from nominal size at 20 ℃ in µm	Deviation of central length f_o in µm	f_u	Id.No.
1	+0. 12	0. 01	0. 02	K1956	1. 6	+0. 14	0. 01	0. 01	K0146
1. 005	+0. 15	0. 02	0. 01	K2576	1. 7	+0. 12	0. 02	0. 01	K2310
1. 01	+0. 06	0. 01	0. 01	K0405	1. 8	−0. 15	0. 01	0. 02	E1787
1. 02	+0. 08	0. 02	0. 01	K0943	1. 9	+0. 10	0. 02	0. 02	K1292
1. 03	−0. 05	0. 01	0. 02	K0463	2	+0. 07	[illegible]	0. 02	K0889
1. 04	+0. 09	0. 02	0. 02	K0361	3	−0. 10	[illegible]02	0. 01	K4193
1. 05	−0. 08	0. 02	0. 02	K0131	4	−0. 11	[illegible]01	[illegible]02	K2773
1. 06	+0. 15	0. 02	0. 01	K0573	5	[illegible]	[illegible]	0. 01	H7024
1. 07	+0. 10	0. 01	0. 02	K3691	6	+0. [illegible]	[illegible]	0. 02	H7601
1. 08	+0. 07	0. 01	0. 01	K0935	7	[illegible]	[illegible]	[illegible]	K3056
1. 09	−0. 09	0. 01	0. 02	K3468	8	[illegible]15	[illegible]	[illegible]01	K1812
1. 1	+0. 07	0. 01	0. 02	K2004	[illegible]	[illegible]14	[illegible]02	0. 01	K5062
1. 2	+0. 08	0. 01	0. 01	K2563	[illegible]	−0. 08	0. 01	0. 02	K6578
1. 3	−0. 10	0. 02	0. 02	H1830	[illegible]	−0. 19	0. 02	0. 02	K1366
1. 4	+0. 10	0. 02	0. 01	[illegible]	[illegible]0	+0. 10	0. 02	0. 02	K2809
1. 5	+0. 05	0. 01	0. 02	H[illegible]	[illegible]0	+0. 27	0. 02	0. 01	K1241

TEL:+45 7633 8888 Mo[illegible]le:+45 [illegible]63[illegible]21 Diesella A/S | Marsvej 20 | 6000 Kolding | DK