AM24CC07437 **CUSTOMER NAME &** M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No.

**ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No. CC228624000007437F

> (RAJASTHAN) - INDIA TEMPERATURE (20 ± 2)°C ENVIRONMENTAL HUMIDITY (60 ± 20) % RH

CONDITIONS

CALIB. PROCEDURE AM-WI-01M ITEM DESCRIPTION **DIGITAL CALIPER CALIB. PERFORMED AT** LAB

1709181658 /SSB/IVC-02 17/12/2024 Sr. No. / ID No. RECEIPT DATE MAKE / MODEL CALIBRATION DATE 18/12/2024 **INSIZE** 

17/12/2025 **RANGE / SIZE** 0 - 150 mm SUGG. DUE DATE LEAST COUNT ISSUE DATE 20/12/2024 0.01 mm SATISFACTORY LOCATION STANDARD ROOM CONDITION ON RECEIPT

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

# MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2026	AM25CC00086	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2026	AM25CC00087	ACCURATE MEASUREMENTS, DELHI

# I. MECHANICAL DIMENSION - BASIC

## **OBSERVATIONS**

-										
	- 1	P.	Δ	R	Δ	м	F.	ΓF	R	

	STD. VALUE (in mm)	OD			ID	DEPTH	
Sr. No.		UUC VALUE	ERROR	UUC VALUE ERROR		UUC VALUE	ERROR
<u> </u>		(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	49.99	-0.01	50.00	0.00	50.00	0.00
6	100	99.99	-0.01	100.00	0.00	100.00	0.00
7	150	149.98	-0.02	150.01	0.01	150.00	0.00

PARALLELISM OF EXTERNAL JAW (a)

0.01

(b) PARALLELISM OF INTERNAL JAW 0.00

PARTIAL SURFACE CONTACT ERROR (c)

AT 20 mm

(d) SCALE SHIFT ERROR AT 50 mm

LINE CONTACT ERROR AT 10 mm (e)

ERROR DUE TO CROSS KNIFE EDGE (f) DISTANCE AT 5 mm

	OE		ERROR					
			0.00					
OD		ID			D(	ID		
50.00		50.00		0.	.00	0.00		
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM		
10.00	10.00 9.99 9.99		9.99	0.00	-0.01	-0.01		
		5.00			0.00			

UNCERTAINTY OF MEASUREMENT: ± 0.012 mm (95.45 % OF CONFIDENCE LEVEL, k = 2)

REMARK : - CALIBRATED AS PER IS 16491 (Part 1) : 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

Approved By: - (S. Kaushik, QM)

NOTF :-

- 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of and under stated condition of measurement.
- 2 This certificate should not be reproduced, expect in full, without our prior permission in writing.
- 3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

AM24CC07436 **CUSTOMER NAME &** M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No.

**ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No. CC228624000007436F

> (RAJASTHAN) - INDIA ENVIRONMENTAL TEMPERATURE (20 ± 2)°C CONDITIONS HUMIDITY (60 ± 20) % RH

CALIB. PROCEDURE AM-WI-01M

ITEM DESCRIPTION **DIGITAL CALIPER** CALIB. PERFORMED AT LAB

Sr. No. / ID No. 0404191001 /SSB/IVC-01 RECEIPT DATE 17/12/2024 MAKE / MODEL CALIBRATION DATE 18/12/2024 INISI7F RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.01 mm

LOCATION CONDITION ON RECEIPT **SATISFACTORY** STANDARD ROOM

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2026	AM25CC00086	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2026	AM25CC00087	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

## **OBSERVATIONS**

P	ΑF	₹A	M	IE.	TE	R	

	STD. VALUE	OD			ID	DEPTH		
Sr. No.	(in mm)	UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR	
<u> </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	
1	1.02	1.02	0.00					
2	2	2.00	0.00					
3	5	5.00	0.00	5.00	0.00			
4	10	10.00	0.00	10.00	0.00	10.00	0.00	
5	50	49.99	-0.01	50.00	0.00	50.00	0.00	
6	100	99.99	-0.01	100.00	0.00	100.00	0.00	
7	150	149.98	-0.02	150.01	0.01	150.00	0.00	
8	200	199.98	-0.02	200.01	0.01	200.00	0.00	
9	300	299.98	-0.02	300.01	0.01	300.00	0.00	

PARALLELISM OF EXTERNAL JAW (a)

0.00 (b) PARALLELISM OF INTERNAL JAW

PARTIAL SURFACE CONTACT ERROR (c) AT 20 mm

SCALE SHIFT ERROR AT 50 mm (d)

(e)

NOTE :-

LINE CONTACT ERROR AT 10 mm

ERROR DUE TO CROSS KNIFE EDGE (f) DISTANCE AT 5 mm

	OE		ERROR					
	20.00					0.00		
						-		
OD		ID		(	)D	ID		
50.00		50.00		0	.00	0.00		
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM		
10.00	10.00 9.99		9.99	0.00	-0.01	-0.01		
	INTERNAL JAW							
		5.00			0.00			

0.01

Approved By: - (S. Kaushik, QM)

UNCERTAINTY OF MEASUREMENT:  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

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ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

CUSTOMER NAME & : M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No. : AM24CC07444

**ADDRESS** 133, M.I.A. ALWAR - 301030 **ULR No.** : CC228624000007444F

(RAJASTHAN) - INDIA ENVIRONMENTAL : TEMPERATURE (20  $\pm$  2)°C CONDITIONS HUMIDITY (60  $\pm$  20) % RH

CALIB. PROCEDURE : AM-WI-01M

CALIB. PROCEDURE : AIVI-VVI-0

ITEM DESCRIPTION : VERNIER CALIPER CALIPER CALIB. PERFORMED AT : LAB

Sr. No. / ID No. 23021297/SSB/VC-10 RECEIPT DATE 17/12/2024 MAKE / MODEL MITUTOYO CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE ISSUE DATE LEAST COUNT 20/12/2024 0.02 mm LOCATION **CONDITION ON RECEIPT SATISFACTORY** FORGING SHOP

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

# OBSERVATIONS PARAMETER

	· · · · · · · · · · · · · · · · · · ·							
[	STD. VALUE (in mm)	OD	OD		ID		l	
Sr. No.		UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR	
<u> </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	
1	1.02	1.02	0.00					
2	2	2.00	0.00					
3	5	5.00	0.00	5.00	0.00			
4	10	10.00	0.00	10.00	0.00	10.00	0.00	
5	50	50.00	0.00	50.00	0.00	50.00	0.00	
6	100	100.00	0.00	100.00	0.00	100.00	0.00	
7	150	149.98	-0.02	150.00	0.00	150.00	0.00	
8	200	199.98	-0.02	200.02	0.02	200.00	0.00	
9	300	299.98	-0.02	300.02	0.02	300.00	0.00	

(a) PARALLELISM OF EXTERNAL JAW

(b) PARALLELISM OF INTERNAL JAW ---

0.02

(c) PARTIAL SURFACE CONTACT ERROR AT 20 mm

(d) SCALE SHIFT ERROR AT 50 mm

(e) LINE CONTACT ERROR AT 10 mm

f) ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

				0.00					
	OBSERVED VALUE					ERROR			
	20.00					00			
						-			
OD	OD		ID		D(	ID			
50.00			0.00 0.00		0.00				
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM			
10.00	10	0.00 10.00		0.00	0.00	0.00			
		•							
		5.00			0.00				

UNCERTAINTY OF MEASUREMENT :  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k =2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

Approved By : - (S. Kaushik, QM)

NOTE:- 1 The calibration res

- 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of and under stated condition of measurement.
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ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

**CUSTOMER NAME &** M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No.

CC228624000007443F **ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No.

> (RAJASTHAN) - INDIA ENVIRONMENTAL TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH

CONDITIONS

AM24CC07443

0.01

Approved By: - (S. Kaushik, QM)

CALIB. PROCEDURE AM-WI-01M

ITEM DESCRIPTION **DIGITAL CALIPER** CALIB. PERFORMED AT LAB

Sr. No. / ID No. 0055464/SSB/DVC-11 RECEIPT DATE 17/12/2024 MAKE / MODEL MITUTOYO CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.01 mm LOCATION **CONDITION ON RECEIPT SATISFACTORY** FORGING SHOP FLOOR

TRACFABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

# **OBSERVATIONS** PARAMETER

<u> </u>	STD. VALUE	IF OD		!	ID	DEPTH	
Sr. No.	(in mm)	UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR
<u> </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	49.99	-0.01	50.00	0.00	50.00	0.00
6	100	99.99	-0.01	100.00	0.00	100.00	0.00
7	150	149.98	-0.02	150.01	0.01	150.00	0.00
8	200	199.98	-0.02	200.01	0.01	200.00	0.00
9	300	299.98	-0.02	300.01	0.01	300.00	0.00

PARALLELISM OF EXTERNAL JAW (a)

0.00 (b) PARALLELISM OF INTERNAL JAW

PARTIAL SURFACE CONTACT ERROR (c) AT 20 mm

SCALE SHIFT ERROR AT 50 mm (d)

LINE CONTACT ERROR AT 10 mm (e)

ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

	OBSERVED VALUE					ERROR			
	20.00					0.00			
OD		ID		(	D(	ID			
50.00		50.00		0	.00	0.00			
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM			
10.00	9	.99	9.99	0.00	-0.01	-0.01			
	INTERNAL JAW								
	•	5.00			0.00				

UNCERTAINTY OF MEASUREMENT:  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

NOTE :-

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ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

CUSTOMER NAME & : M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No.

ADDRESS 133, M.I.A. ALWAR - 301030 ULR No. : CC228624000007442F

(RAJASTHAN) - INDIA ENVIRONMENTAL : TEMPERATURE  $(20\pm2)^{\circ}$ C

CONDITIONS HUMIDITY (60 ± 20) % RH

: AM24CC07442

**SATISFACTORY** 

0.02

Approved By: - (S. Kaushik, QM)

**CALIB. PROCEDURE**: AM-WI-01M

ITEM DESCRIPTION : VERNIER CALIPER CALIB. PERFORMED AT : LAB

Sr. No. / ID No. 14260762/SSB/VC-08 RECEIPT DATE 17/12/2024 MAKE / MODEL MITUTOYO CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.02 mm

 LOCATION
 : FORGING SHOP FLOOR
 CONDITION ON RECEIPT

TRACEABILITY:-

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

## **OBSERVATIONS**

n	ΛГ	ЭΛ	ΝЛ	СТ	ΕR
Р	ΑГ	ч	IVI	СΙ	ER

	STD. VALUE (in mm)	OD		ID		DEPTH	
Sr. No.		UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR
	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	50.00	0.00	50.00	0.00	50.00	0.00
6	100	100.00	0.00	100.00	0.00	100.00	0.00
7	150	150.00	0.00	150.00	0.00	150.00	0.00
8	200	199.98	-0.02	200.00	0.00	200.00	0.00
9	300	299.98	-0.02	300.02	0.02	300.00	0.00

(a) PARALLELISM OF EXTERNAL JAW

(b) PARALLELISM OF INTERNAL JAW

(c) PARTIAL SURFACE CONTACT ERROR AT 20 mm

(d) SCALE SHIFT ERROR AT 50~mm

(e) LINE CONTACT ERROR AT 10 mm

(f) ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

		0.00						
	OE	ERROR						
		20.00		0.00				
OD		ID		OD		ID		
50.00		50.00		0.00		0.00		
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM		
10.00	10.00 10.00		10.00	0.00	0.00	0.00		
	INTERNAL JAW							
		0.00						

UNCERTAINTY OF MEASUREMENT :  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k =2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

NOTE :-

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ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

AM24CC07441 M/s S.S.B ENGINEERS (P) LTD. **CUSTOMER NAME &** CERTIFICATE No.

**ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No. CC228624000007441F

> (RAJASTHAN) - INDIA ENVIRONMENTAL TEMPERATURE (20 ± 2)°C CONDITIONS HUMIDITY (60 ± 20) % RH

AM-WI-01M

CALIB. PROCEDURE

ITEM DESCRIPTION **VERNIER CALIPER** CALIB. PERFORMED AT LAB

Sr. No. / ID No. 13003122/SSB/VC-06 RECEIPT DATE 17/12/2024 MAKE / MODEL MITUTOYO CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.02 mm LOCATION **CONDITION ON RECEIPT SATISFACTORY** FORGING SHOP FLOOR

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

## **OBSERVATIONS**

				PARAMETER			
	STD. VALUE (in mm)	OI	)	<u> </u>	ID	DEPT	Н
Sr. No.		UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR
ļ 		(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	50.00	0.00	50.00	0.00	50.00	0.00
6	100	99.98	-0.02	100.00	0.00	100.00	0.00
7	150	149.98	-0.02	150.02	0.02	150.00	0.00
8	200	199.98	-0.02	200.02	0.02	200.00	0.00
9	300	299.98	-0.02	300.02	0.02	300.00	0.00

PARALLELISM OF EXTERNAL JAW (a)

0.00 (b) PARALLELISM OF INTERNAL JAW

(c) PARTIAL SURFACE CONTACT ERROR AT 20 mm

SCALE SHIFT ERROR AT 50 mm (d)

LINE CONTACT ERROR AT 10 mm (e)

ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

					0.00				
	OI		ERROR						
		20.00			0.00				
OD		ID		(	DD	ID			
50.00			0	0.00					
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM			
10.00	10.00 10.00		10.00	0.00	0.00	0.00			
	INTERNAL JAW								
			0.0	10					

0.02

UNCERTAINTY OF MEASUREMENT :  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k =2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

NOTE :-

Approved By: - (S. Kaushik, QM) 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of

and under stated condition of measurement.

2 This certificate should not be reproduced, expect in full, without our prior permission in writing.

3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

AM24CC07440 **CUSTOMER NAME &** M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No.

CC228624000007440F **ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No.

> (RAJASTHAN) - INDIA ENVIRONMENTAL TEMPERATURE (20 ± 2)°C CONDITIONS HUMIDITY (60 ± 20) % RH

> > CALIB. PROCEDURE AM-WI-01M

ITEM DESCRIPTION **VERNIER CALIPER** CALIB. PERFORMED AT LAB

Sr. No. / ID No. 17141097/SSB/VC-05 RECEIPT DATE 17/12/2024 MAKE / MODEL **MITUTOYO** CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.02 mm LOCATION **CONDITION ON RECEIPT SATISFACTORY** STANDARD ROOM

TRACFABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

# **OBSERVATIONS** PARAMETER

	STD. VALUE	OD			ID	DEPTH	
Sr. No.	(in mm)	UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR
<u> </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	50.00	0.00	50.00	0.00	50.00	0.00
6	100	100.00	0.00	100.00	0.00	100.00	0.00
7	150	149.98	-0.02	150.00	0.00	150.00	0.00
8	200	199.98	-0.02	200.00	0.00	200.00	0.00
9	300	299.98	-0.02	300.02	0.02	300.00	0.00

PARALLELISM OF EXTERNAL JAW (a)

(b) PARALLELISM OF INTERNAL JAW

PARTIAL SURFACE CONTACT ERROR (c) AT 20 mm

SCALE SHIFT ERROR AT 50 mm (d)

LINE CONTACT ERROR AT 10 mm (e)

ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

	OBSERVED VALUE					ERROR			
	20.00					0.00			
OD		ID		(	)D	ID			
50.00		50.00		0	.00	0.00			
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM			
10.00	10	0.00	10.00	0.00	0.00	0.00			
	INTERNAL JAW								
	5.00					0.00			

0.02

0.00

UNCERTAINTY OF MEASUREMENT:  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

NOTE :-

Approved By: - (S. Kaushik, QM) 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of

and under stated condition of measurement. 2 This certificate should not be reproduced, expect in full, without our prior permission in writing.

3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

CUSTOMER NAME & : M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No. : AM24CC07439

**ADDRESS** 133, M.I.A. ALWAR - 301030 **ULR No.** : CC228624000007439F

(RAJASTHAN) - INDIA ENVIRONMENTAL : TEMPERATURE (20 ± 2)°C

CONDITIONS HUMIDITY (60 ± 20) % RH

CALIB. PROCEDURE : AM-WI-01M

ITEM DESCRIPTION : VERNIER CALIPER CALIB. PERFORMED AT : LAB

Sr. No. / ID No. 20148891/SSB/VC-02 RECEIPT DATE 17/12/2024 MAKE / MODEL **MITUTOYO** CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.02 mm LOCATION CONDITION ON RECEIPT **SATISFACTORY TOOL ROOM** 

TRACEABILITY:-

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

## **OBSERVATIONS**

	PARAMETER								
Ī	STD. VALUE	C	)D		ID	DEPT	Н		
Sr. No.	(in mm)	UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR		
<u> </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)		
1	1.02	1.02	0.00						
2	2	2.00	0.00						
3	5	5.00	0.00	5.00	0.00				
4	10	10.00	0.00	10.00	0.00	10.00	0.00		
5	50	50.00	0.00	50.00	0.00	50.00	0.00		
6	100	100.00	0.00	100.00	0.00	100.00	0.00		
7	150	150.00	0.00	150.00	0.00	150.00	0.00		
8	200	199.98	-0.02	200.02	0.02	200.00	0.00		
9	300	299.98	-0.02	300.02	0.02	300.00	0.00		

(a) PARALLELISM OF EXTERNAL JAW

(b)

NOTE :-

PARALLELISM OF INTERNAL JAW --- 0.00

(c) PARTIAL SURFACE CONTACT ERROR AT 20 mm

(d) SCALE SHIFT ERROR AT 50 mm

(e) LINE CONTACT ERROR AT 10 mm

f) ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

	OBSERVED VALUE				ERROR		
	20.00				0.00		
						-	
OD	OD ID			(	)D	ID	
50.00	50.00 50.00			0	.00	0.00	
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM	
10.00	10	0.00	00 10.00		0.00	0.00	
INTERNAL JAW							
	<u> </u>	5.00			0.00		

0.02

Approved By: - (S. Kaushik, QM)

UNCERTAINTY OF MEASUREMENT: ± 0.012 mm (95.45 % OF CONFIDENCE LEVEL, k = 2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of and under stated condition of measurement.

2 This certificate should not be reproduced, expect in full, without our prior permission in writing.

3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

AM24CC07438 **CUSTOMER NAME &** M/s S.S.B ENGINEERS (P) LTD. CERTIFICATE No.

CC228624000007438F **ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No.

(RAJASTHAN) - INDIA ENVIRONMENTAL TEMPERATURE (20 ± 2)°C CONDITIONS HUMIDITY (60 ± 20) % RH

> CALIB. PROCEDURE AM-WI-01M

ITEM DESCRIPTION **VERNIER CALIPER** CALIB. PERFORMED AT LAB

Sr. No. / ID No. 18037634/SSB/VC-01 RECEIPT DATE 17/12/2024 MAKE / MODEL **MITUTOYO** CALIBRATION DATE 18/12/2024 RANGE / SIZE 17/12/2025 0 - 300 mm SUGG. DUF DATE LEAST COUNT ISSUF DATE 20/12/2024 0.02 mm LOCATION **CONDITION ON RECEIPT SATISFACTORY** SHOP FLOOR

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

# **OBSERVATIONS** PARAMETER

[	STD. VALUE	OD	)	ID		DEPTH	l
Sr. No.	(in mm)	UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR
<u>                                      </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	50.00	0.00	50.00	0.00	50.00	0.00
6	100	100.00	0.00	100.00	0.00	100.00	0.00
7	150	149.98	-0.02	150.00	0.00	150.00	0.00
8	200	199.98	-0.02	200.02	0.02	200.00	0.00
9	300	299.98	-0.02	300.02	0.02	300.00	0.00

PARALLELISM OF EXTERNAL JAW (a)

(b) PARALLELISM OF INTERNAL JAW

0.02 0.00

(c) PARTIAL SURFACE CONTACT ERROR AT 20 mm

SCALE SHIFT ERROR AT 50 mm (d)

LINE CONTACT ERROR AT 10 mm (e)

ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

	OBSERVED VALUE				ERROR		
	20.00				0.00		
						-	
OD	OD ID			(	)D	ID	
50.00	50.00 50.00			0	.00	0.00	
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM	
10.00	10	0.00	00 10.00		0.00	0.00	
INTERNAL JAW							
	<u> </u>	5.00			0.00		

UNCERTAINTY OF MEASUREMENT:  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

\*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

NOTE :-

Approved By: - (S. Kaushik, QM) 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of

and under stated condition of measurement. 2 This certificate should not be reproduced, expect in full, without our prior permission in writing.

3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

 CUSTOMER NAME &
 :
 M/s S.S.B ENGINEERS (P) LTD.
 CERTIFICATE No.
 :
 AM24CC07435

 ADDRESS
 133, M.I.A. ALWAR - 301030
 ULR No.
 :
 CC228624000007435F

(RAJASTHAN) - INDIA ENVIRONMENTAL : TEMPERATURE  $(20\pm2)^{\circ}$ C CONDITIONS HUMIDITY  $(60\pm20)$  % RH

CONDITIONS HUMIDITY (6
CALIB. PROCEDURE : AM-WI-01M

ITEM DESCRIPTION : DIGITAL CALIPER CALIB. PERFORMED AT : LAB

0068327/SSB/DVC-09 RECEIPT DATE : 17/12/2024 Sr. No. / ID No. MAKE / MODEL **MITUTOYO** CALIBRATION DATE : 18/12/2024 RANGE / SIZE 0 - 600 mm SUGG. DUE DATE : 17/12/2025 **LEAST COUNT** 0.01 mm ISSUE DATE : 20/12/2024 CONDITION ON RECEIPT : SATISFACTORY LOCATION **TOOL ROOM** 

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

## MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.

## I. MECHANICAL DIMENSION - BASIC

#### **OBSERVATIONS**

Sr. No.	PARAME	ETER STANDARD (in mm)	UNIT UNDER CALIBRATION (in mm)	ERROR (in mm)
1	OD	5.000	5.00	0.00
2		10.000	10.00	0.00
3		20.000	20.00	0.00
4		50.000	50.00	0.00
5		100.000	100.00	0.00
6		200.000	200.00	0.00
7		300.000	299.99	-0.01
8		400.000	399.99	-0.01
9		500.000	499.98	-0.02
10		600.000	599.98	-0.02
1	ID	20.000	0.00	0.00
2	10	50.000	30.00	0.00
3		100.000	80.00	0.00
4		200.000	180.00	0.00
5		300.000	280.00	0.00
6		400.000	380.01	0.01
7		500.000	480.02	0.02
8		600.000	580.02	0.02
	(a) F	PARALLELISM OF EXTERNAL JAW		0.01
	(b) F	PARALLELISM OF INTERNAL JAW		NIL

UNCERTAINTY OF MEASUREMENT :  $\pm$  0.010 mm (95.45 % OF CONFIDENCE LEVEL, k =2)

REMARK: - CALIBRATED AS PER IS - 16491

# \*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

Approved By: - (S. Kaushik, QM)

NOTE :-

- 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of and under stated condition of measurement.
- 2 This certificate should not be reproduced, expect in full, without our prior permission in writing.
- 3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

AM24CC07434 M/s S.S.B ENGINEERS (P) LTD. **CUSTOMER NAME &** CERTIFICATE No.

CC228624000007434F **ADDRESS** 133, M.I.A. ALWAR - 301030 ULR No.

> (RAJASTHAN) - INDIA ENVIRONMENTAL TEMPERATURE (20 ± 2)°C CONDITIONS HUMIDITY (60 ± 20) % RH

CALIB. PROCEDURE AM-WI-01M

ITEM DESCRIPTION **DIGITAL CALIPER** CALIB. PERFORMED AT LAB

Sr. No. / ID No. SSB/DVC-06 RECEIPT DATE 17/12/2024 MAKE / MODEL MITUTOYO CALIBRATION DATE 18/12/2024 17/12/2025 RANGE / SIZE 0 - 300 mm SUGG. DUF DATE ISSUE DATE LEAST COUNT 20/12/2024 0.01 mm LOCATION **CONDITION ON RECEIPT SATISFACTORY** FORGING DEPTT.

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

#### MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.
3	SGA-001	SLIP GAUGE ACCESSORIES	10/06/2026	QSI/0784/24/06	QUALITY SOLUTION
4	SRG 005	MASTER RING GAUGE	03/01/2025	AM24CC00034	ACCURATE MEASUREMENTS, DELHI
5	MP 001	MEASURING PIN	03/01/2025	AM24CC00035	ACCURATE MEASUREMENTS, DELHI

## I. MECHANICAL DIMENSION - BASIC

# **OBSERVATIONS** PARAMETER

	STD. VALUE	OD	)		ID	DEPTH	
Sr. No.	(in mm)	UUC VALUE	ERROR	UUC VALUE	ERROR	UUC VALUE	ERROR
<u> </u>	(111 111111)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)	(in mm)
1	1.02	1.02	0.00				
2	2	2.00	0.00				
3	5	5.00	0.00	5.00	0.00		
4	10	10.00	0.00	10.00	0.00	10.00	0.00
5	50	50.00	0.00	50.00	0.00	50.00	0.00
6	100	99.99	-0.01	100.00	0.00	100.00	0.00
7	150	149.99	-0.01	150.01	0.01	150.00	0.00
8	200	199.98	-0.02	200.01	0.01	200.00	0.00

300.01

PARALLELISM OF EXTERNAL JAW (a)

300

9

(b)

NOTE :-

0.00 PARALLELISM OF INTERNAL JAW

-0.02

(c) PARTIAL SURFACE CONTACT ERROR AT 20 mm

SCALE SHIFT ERROR AT 50 mm (d)

LINE CONTACT ERROR AT 10 mm (e)

ERROR DUE TO CROSS KNIFE EDGE DISTANCE AT 5 mm

					0.00			
	OE		ERROR					
	20.00					0.00		
OD			ID	(	OD ID			
50.00			50.00	0	0.00 0.00			
TOP	MI	DDLE	вотом	TOP	MIDDLE	BOTTOM		
10.00	9	9.99 9.99			-0.01	-0.01		
	INTERNAL JAW							
		5.00			0.0	10		

0.01

300.00

0.01

0.00

UNCERTAINTY OF MEASUREMENT :  $\pm$  0.012 mm (95.45 % OF CONFIDENCE LEVEL, k =2)

REMARK: - CALIBRATED AS PER IS 16491 (Part 1): 2016.

299.98

\*\*\*END OF CERTIFICATE\*\*\*

#### Calibrated By: - (Vikas Sharma, Calib. Engg.)

Approved By: - (S. Kaushik, QM) 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of

and under stated condition of measurement. 2 This certificate should not be reproduced, expect in full, without our prior permission in writing.

3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

ACCURATE MEASUREMENTS, PLOT NO. 103, D BLOCK, MEETHAPUR EXTENSION, BADARPUR, NEW DELHI - 110044

E-Mail: accurate2@gmail.com; Mob. No. 9818166269, 9811826626

 CUSTOMER NAME &
 : M/s S.S.B ENGINEERS (P) LTD.
 CERTIFICATE No.
 : AM24CC07433

 ADDRESS
 133, M.I.A. ALWAR - 301030
 ULR No.
 : CC228624000007433F

 (RAJASTHAN) - INDIA
 ENVIRONMENTAL
 : TEMPERATURE (20 ± 2)°C

 CONDITIONS
 HUMIDITY (60 ± 20) % RH

CALIB. PROCEDURE : AM-WI-01M

ITEM DESCRIPTION : DIGITAL CALIPER CALIB. PERFORMED AT : LAB

0076765/SSB/DVC-05 RECEIPT DATE : 17/12/2024 Sr. No. / ID No. MAKE / MODEL **MITUTOYO** CALIBRATION DATE : 18/12/2024 **RANGE / SIZE** 0 - 600 mm SUGG. DUE DATE : 17/12/2025 0.01 mm **LEAST COUNT** ISSUE DATE : 20/12/2024 CONDITION ON RECEIPT : SATISFACTORY LOCATION SHOP FLOOR

TRACEABILITY: -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

## MASTER(S) USED FOR CALIBRATION: -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	SGS 001	SLIP GAUGE BLOCK SET	13/06/2025	TI/F/SGS/005/23	TANSON INSTRUMENT, FBD.
2	LSG - 002 / AM/LGB 001	LONG GAUGE BLOCK	26/06/2026	TI/F/LGB/007/24	TANSON INSTRUMENT, FBD.

## I. MECHANICAL DIMENSION - BASIC

#### **OBSERVATIONS**

Sr. No.	PARAME	ETER STANDARD (in mm)	UNIT UNDER CALIBRATION (in mm)	ERROR (in mm)
1	OD	5.000	5.00	0.00
2		10.000	10.00	0.00
3		20.000	20.00	0.00
4		50.000	50.00	0.00
5		100.000	100.00	0.00
6		200.000	199.99	-0.01
7		300.000	299.99	-0.01
8		400.000	399.99	-0.01
9		500.000	499.98	-0.02
10		600.000	599.98	-0.02
1	ID	20.000	0.00	0.00
2		50.000	30.00	0.00
3		100.000	80.00	0.00
4		200.000	180.00	0.00
5		300.000	280.01	0.01
6		400.000	380.02	0.02
7		500.000	480.02	0.02
8		600.000	580.02	0.02
	(a) P	ARALLELISM OF EXTERNAL JAW		0.01
		PARALLELISM OF INTERNAL JAW		NIL

UNCERTAINTY OF MEASUREMENT :  $\pm$  0.010 mm (95.45 % OF CONFIDENCE LEVEL, k =2)

REMARK: - CALIBRATED AS PER IS - 16491

# \*\*\*END OF CERTIFICATE\*\*\*

Calibrated By: - (Vikas Sharma, Calib. Engg.)

Approved By : - (S. Kaushik, QM)

NOTE :-

- 1 The calibration result reported in this certificate are related to item (s) calibrated & is valid at the time of and under stated condition of measurement.
- 2 This certificate should not be reproduced, expect in full, without our prior permission in writing.
- 3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

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