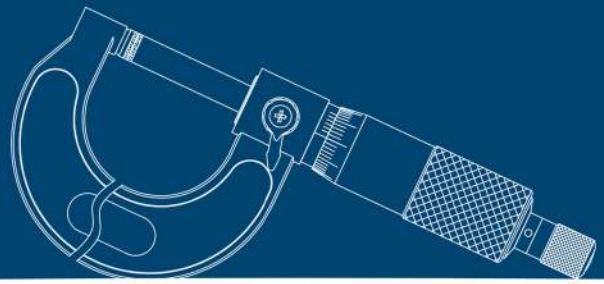


MICROMETER

BORN IN ITALY, RAISED BY THE WORLD

ALLIANCE SUPPLIES SDN.BHD. T: +6 06 3338889/ 8887/ 8898 F: +6 063338899 Email: info@alliance-supplies.com

OUTSIDE MICROMETER

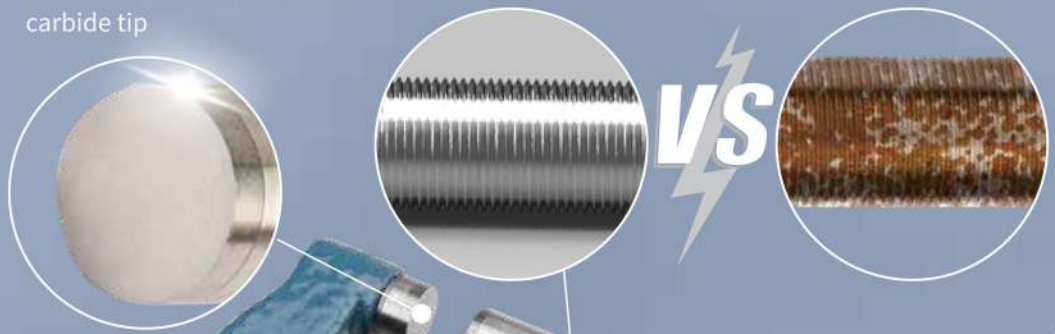
WITH STAINLESS STEEL SPINDLE

DIN 863

- Strictly made in accordance with DIN 863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With spindle lock

- New special carbide used on measuring anvil instead of traditional easy-wear off carbide tip

- Precision Ground STAINLESS STEEL threading rod replacing alloy/carbon steel threading rod mostly used in the industry

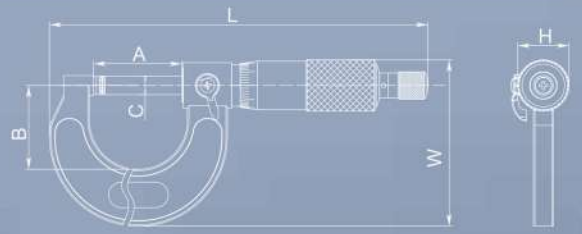


- Clear graduations laser-etched on satin chrome finish for easy reading

- With ratchet stop for constant force(5- 8N 20% better than the normal standard of 5-10N)

Unit:mm

Code	Range	Graduation	A	B	C	L	W	H	Accuracy
4111-8105-A	0-25	0.01	31	29.5	φ6.5	133.8	58.5	φ18	0.004
4111-8110-A	25-50	0.01	56	38	φ6.5	160	76	φ18	0.004
4111-8115-A	50-75	0.01	81	51	φ6.5	185.5	91	φ18	0.005
4111-8120-A	75-100	0.01	106	63.5	φ6.5	210.5	105	φ18	0.005
4111-8125-A	100-125	0.01	131	76	φ6.5	237.3	125	φ18	0.006
4111-8130-A	125-150	0.01	156	89	φ6.5	263.8	142	φ18	0.006
4112-5105-A	0-1"	0.001"	31	29.5	φ6.5	133.8	58.5	φ18	0.00015"
4112-5110-A	1-2"	0.001"	56	38	φ6.5	160	76	φ18	0.00015"
4112-5115-A	2-3"	0.001"	81	51	φ6.5	185.5	91	φ18	0.0002"
4112-5120-A	3-4"	0.001"	106	63.5	φ6.5	210.5	105	φ18	0.0002"
4112-5125-A	4-5"	0.001"	131	76	φ6.5	237.3	125	φ18	0.00025"
4112-5130-A	5-6"	0.001"	156	89	φ6.5	263.8	142	φ18	0.00025"



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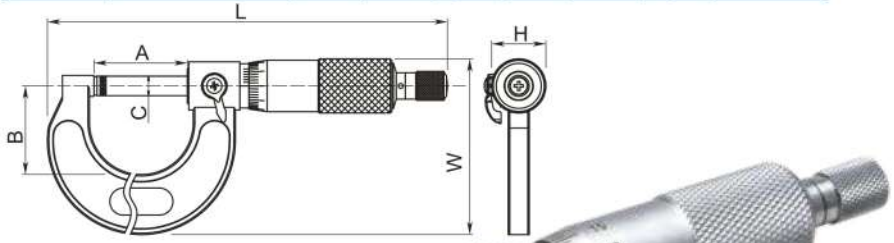
OUTSIDE MICROMETER

WITH 0.001MM GRADUATION

- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Carbide measuring surfaces ground for longer service life

Unit:mm

Code	Range*Graduation	A	B	C	L	W	H	Accuracy
4111-9105-A	0-25*0.001	31	29.5	φ6.5	133.8	58.5	φ18	0.004
4111-9110-A	25-50*0.001	56	38	φ6.5	160	76	φ18	0.004
4111-9115-A	50-75*0.001	81	51	φ6.5	185.5	91	φ18	0.005
4111-9120-A	75-100*0.001	106	63.5	φ6.5	210.5	105	φ18	0.005
4111-9125-A	100-125*0.001	131	76	φ6.5	237.3	125	φ18	0.006
4111-9130-A	125-150*0.001	156	89	φ6.5	263.8	142	φ18	0.006
4112-0105-A	0-1"*0.0001"	31	29.5	φ6.5	133.8	58.5	φ18	0.00015"
4112-0110-A	1-2"*0.0001"	56	38	φ6.5	160	76	φ18	0.00015"
4112-0115-A	2-3"*0.0001"	81	51	φ6.5	185.5	91	φ18	0.0002"
4112-0120-A	3-4"*0.0001"	106	63.5	φ6.5	210.5	105	φ18	0.0002"
4112-0125-A	4-5"*0.0001"	131	76	φ6.5	237.3	125	φ18	0.00025"
4112-0130-A	5-6"*0.0001"	156	89	φ6.5	263.8	142	φ18	0.00025"



DIN 863

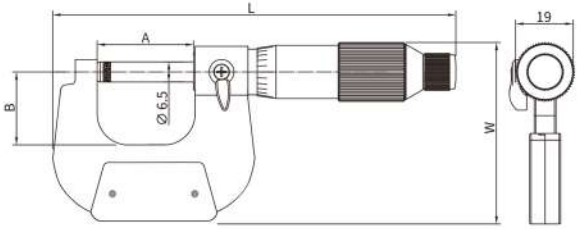
OUTSIDE MICROMETER

WITH THERMAL PROTECTION

- With thermal protection
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock

Unit:mm

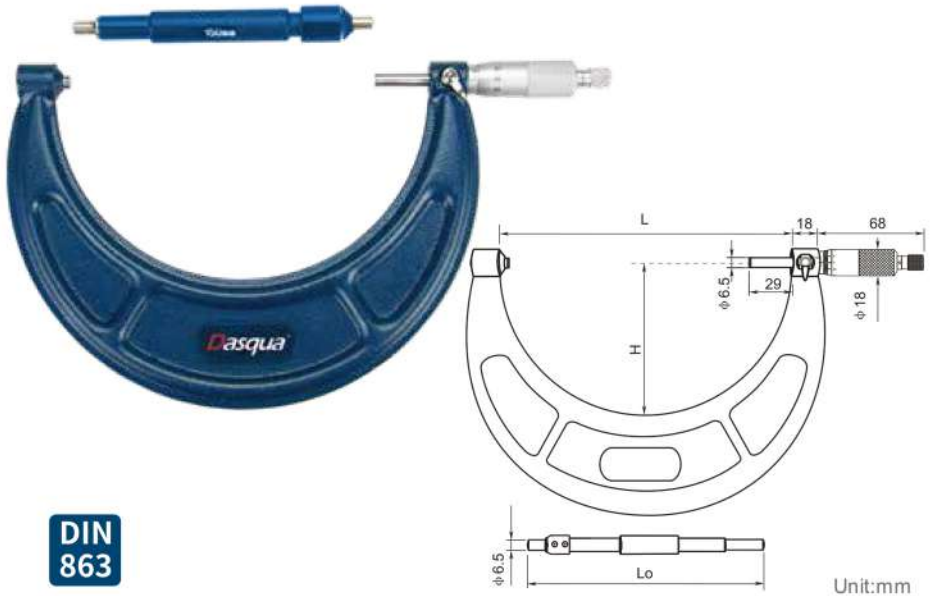
Code	Range*Graduation	L	B	L	W	Accuracy
4111-6405	0-25*0.01	31	23.5	127.8	56.2	0.004
4111-6410	25-50*0.01	56.5	31	160.1	72.9	0.004
4111-6415	50-75*0.01	81.5	44	186.6	88.2	0.005
4111-6420	75-100*0.01	107.1	56	214.6	104.2	0.005
4111-6425	100-125*0.01	132.5	66	243.3	122.2	0.006
4111-6430	125-150*0.01	157.5	80	271.1	139.7	0.006



DIN 863

BIG SIZE OUTSIDE MICROMETER

- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Bigger size for larger range
- Carbide measuring surfaces ground for longer service life



DIN 863

Unit:mm

Code	Range	Graduation	L	H	Lo	Accuracy
4112-8135	150-175	0.01	185	99	150	0.007
4112-8140	175-200	0.01	210	111.5	175	0.007
4112-8145	200-225	0.01	238	127	200	0.008
4112-8150	225-250	0.01	264	140	225	0.008
4112-8155	250-275	0.01	289	152.5	250	0.009
4112-8160	275-300	0.01	315	165.5	275	0.009
4112-5135	6-7"	0.001"	185	99	150	0.00027"
4112-5140	7-8"	0.001"	210	111.5	175	0.00027"
4112-5145	8-9"	0.001"	238	127	200	0.0003"
4112-5150	9-10"	0.001"	264	140	225	0.0003"
4112-5155	10-11"	0.001"	289	152.5	250	0.00035"
4112-5160	11-12"	0.001"	315	165.5	275	0.00035"

BIG SIZE OUTSIDE MICROMETER

WITH 0.001MM GRADUATION

- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Bigger size for larger range
- Carbide measuring surfaces ground for longer service life

DIN 863

Unit:mm

Code	Range	Graduation	L	H	Lo	Accuracy
4111-9135	150-175	0.001	185	99	150	0.007
4111-9140	175-200	0.001	210	111.5	175	0.007
4111-9145	200-225	0.001	238	127	200	0.008
4111-9150	225-250	0.001	264	140	225	0.008
4111-9155	250-275	0.001	289	152.5	250	0.009
4111-9160	275-300	0.001	315	165.5	275	0.009
4112-1135	6-7"	0.0001"	185	99	150	0.00027"
4112-1140	7-8"	0.0001"	210	111.5	175	0.00027"
4112-1145	8-9"	0.0001"	238	127	200	0.0003"
4112-1150	9-10"	0.0001"	264	140	225	0.0003"
4112-1155	10-11"	0.0001"	289	152.5	250	0.00035"
4112-1160	11-12"	0.0001"	315	165.5	275	0.00035"

MICROMETER CALIBRATION GAUGE BLOCK SET

DIN ISO 3650

- Garde 0 or Grade 1 (optional)
- 10 pcs rectangular blocks and 1 optical flat
- 1 Optical Flat which allows checking anvil faces at half rotations of spindle for measuring flatness

MADE OF CERAMIC

Unit:mm

Code	Grade	Contents
6110-1211	0	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30
6110-1405	1	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30

MADE OF STAINLESS STEEL

Unit:mm

Code	Grade	Contents
6111-1210	0	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30
6111-1211	1	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30

OUTSIDE MICROMETER

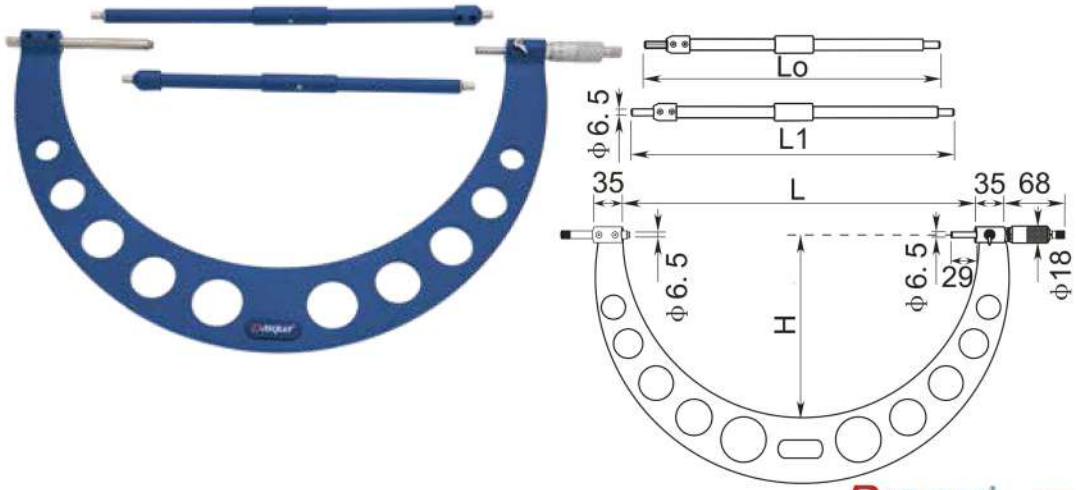
WITH ADJUSTABLE ANVILS

- Wide measuring range with adjustable extension anvil collars
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock

DIN 863

Unit:mm

Code	Range	Graduation	L	H	Lo/L1	Accuracy
4800-0005	300-400	0.01	410	215	325/375	0.011
4800-0010	400-500	0.01	510	265	425/475	0.013
4800-0015	500-600	0.01	610	315	525/575	0.015
4800-0020	600-700	0.01	710	365	625/675	0.016
4800-0025	700-800	0.01	810	415	725/775	0.018
4800-0030	800-900	0.01	910	465	825/875	0.02
4800-0035	900-1000	0.01	1010	515	925/975	0.022
4810-0005	12"-16"	0.001"	410	215	325/375	0.0004"
4810-0010	16-20"	0.001"	510	265	425/475	0.0005"
4810-0015	20"-24"	0.001"	610	315	525/575	0.0006"
4810-0020	24"-28"	0.001"	710	365	625/675	0.0006"
4810-0025	28"-32"	0.001"	810	415	725/775	0.0007"
4810-0030	32"-36"	0.001"	910	465	825/875	0.0008"
4810-0035	36"-40"	0.001"	1010	515	925/975	0.00085"

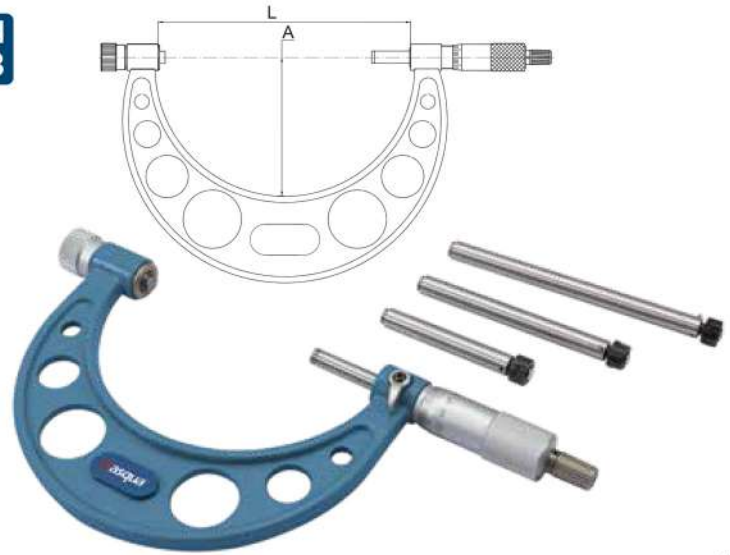


OUTSIDE MICROMETER

WITH INTERCHANGEABLE ANVILS

- Strictly made in accordance with DIN863
- Wide measuring range with interchangeable anvils
- Distinct black lines and figures laser engraved against satin chrome finish provide easy and error-free reading
- Carbide tipped measuring face

DIN 863



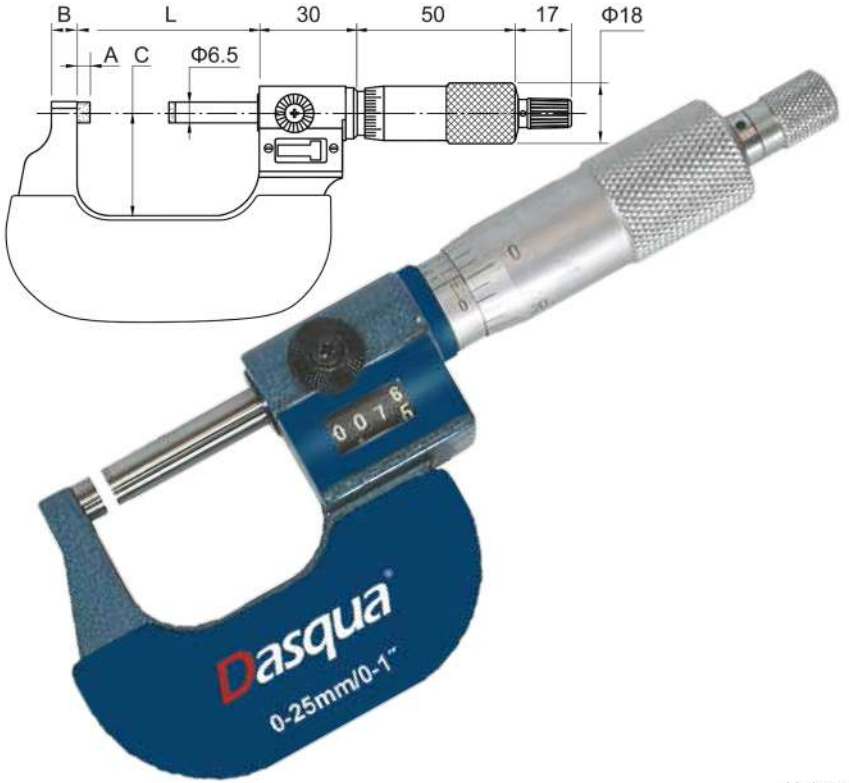
Unit:mm

Code	Range	Graduation	A	L	Accuracy
4801-0001	0-50	0.01	35	58	0.004
4801-0002	0-100	0.01	57	108	0.005
4801-0003	0-150	0.01	82	158	0.006
4801-0004	100-200	0.01	114	208	0.007
4801-0005	150-300	0.01	165	308	0.009
4801-0006	200-300	0.01	165	308	0.009
4801-0007	300-400	0.01	224	409	0.011
4801-0008	400-500	0.01	275	509	0.013
4801-0009	500-600	0.01	321	609	0.015
4801-0010	600-700	0.01	371	709	0.016
4801-0011	700-800	0.01	426	809	0.018
4801-0012	800-900	0.01	476	909	0.020
4801-0013	900-1000	0.01	576	1009	0.020

OUTSIDE MICROMETER

WITH COUNTER

- Strictly made in accordance with DIN863
- Mechanical digit counter for quick and error-free reading
- Carbide measuring face
- Resolution: 0.01mm(Metric);0.0001"(Inch)
- Counter readout: 0.01mm(Metric); 0.001"(Inch)



Unit:mm

Code	Range	Graduation	A	B	C	L	Accuracy
4150-1005	0-25	0.01	3	6	26	32	0.004
4150-1010	25-50	0.01	3	8	32	57	0.004
4150-1015	50-75	0.01	3	8	44.5	82	0.005
4150-1020	75-100	0.01	3	8	57	107	0.005
4150-1025	100-125	0.01	3	17	71.8	132.4	0.006
4150-1030	125-150	0.01	3	17	84	157.8	0.006

OUTSIDE MICROMETER SET

- 3pcs, 4pcs, 6pcs,12pcs optional for customers' desire
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock

DIN 863

Unit:mm

Code	Range	Graduation	Set(Pcs)	Package
4111-8206	0-75	0.01	3	Plastic Box
4111-8210	0-100	0.01	4	Plastic Box
4111-8215	0-150	0.01	6	Aluminium Case
4111-8203	0-300	0.01	12	Aluminium Case
4111-8213	150-300	0.01	6	Aluminium Case
4112-0206	0-3"	0.001"	3	Plastic Box
4112-0210	0-4"	0.001"	4	Plastic Box
4112-0216	0-6"	0.001"	6	Aluminium Case
4112-0208	0-12"	0.001"	12	Aluminium Case
4112-0218	6"-12"	0.001"	6	Aluminium Case
4111-8006	0-75	0.001	3	Plastic Box
4111-8010	0-100	0.001	4	Plastic Box
4111-8220	0-150	0.001	6	Aluminium Case
4111-8408	0-300	0.001	12	Aluminium Case
4111-8008	150-300	0.001	6	Aluminium Case
4112-0006	0-3"	0.0001"	3	Plastic Box
4112-0010	0-4"	0.0001"	4	Plastic Box
4112-0215	0-6"	0.0001"	6	Aluminium Case
4112-0203	0-12"	0.0001"	12	Aluminium Case
4112-0213	6"-12"	0.0001"	6	Aluminium Case

OUTSIDE MICROMETER SET

- 3pcs, 4pcs, 6pcs optional for customers' desire
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Made with thermal protection frame

Unit:mm

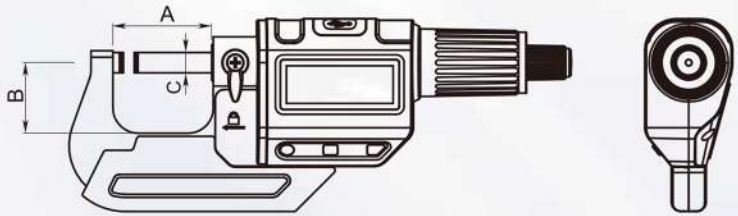
Code	Range	Graduation	Set(Pcs)	Package
4111-8205	0-75	0.01	3	Plastic Box
4111-8240	0-100	0.01	4	Plastic Box
4111-8245	0-150	0.01	6	Aluminium Case
4112-0205	0-3"	0.0001"	3	Plastic Box
4112-0240	0-4"	0.0001"	4	Plastic Box
4112-0245	0-6"	0.0001"	6	Aluminium Case

DIN 863

DIGITAL OUTSIDE MICROMETER

WITH STAINLESS STEEL SPINDLE

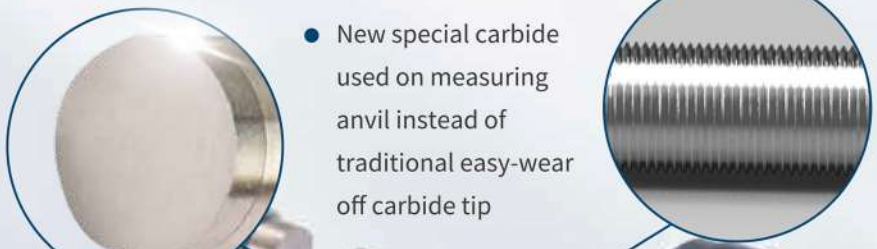
- Spindle ground twice which makes pitch error 1μ less than before and reaches world-class standard



Unit:mm

Code	Range	Resolution	A	B	C	Accuray
4230-2005	0-25/0-1"	0.001/0.00005"	31.5	22.5	φ6.5	0.003
4230-2010	25-50/1"-2"	0.001/0.00005"	56.5	31	φ6.5	0.003
4230-2015	50-75/2"-3"	0.001/0.00005"	81.5	44	φ6.5	0.004
4230-2020	75-100/3"-4"	0.001/0.00005"	107.1	56	φ6.5	0.004
4230-2025	100-125/4"-5"	0.001/0.00005"	132	66	φ6.5	0.005
4230-2030	125-150/5"-6"	0.001/0.00005"	156.5	80	φ6.5	0.005
4230-2035	150-175/6"-7"	0.001/0.00005"	184	94.5	φ6.5	0.007
4230-2040	175-200/7"-8"	0.001/0.00005"	209.5	107	φ6.5	0.007
4230-2045	200-225/8"-9"	0.001/0.00005"	234	129.5	φ6.5	0.008
4230-2050	225-250/9"-10"	0.001/0.00005"	259.5	142.5	φ6.5	0.008
4230-2055	250-275/10"-11"	0.001/0.00005"	285	155	φ6.5	0.009
4230-2060	275-300/11"-12"	0.001/0.00005"	310.5	167.5	φ6.5	0.009

- New special carbide used on measuring anvil instead of traditional easy-wear off carbide tip



- Stainless steel newly adapted on spindle instead of carbon steel

Battery + CR2032 | DIN 863 | mm/in

- With ratchet stop for constant force(5- 8N 20% higher than normal)

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IP65 WATER PROOF DIGITAL OUTSIDE MICROMETER

- With large easy-to-read LCD screen
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- With spindle lock
- With Absolute, Inch-Metric Conversion and Zero-Set function
- IP65 protection against liquid
- Stainless steel newly adapted on spindle
- Carbide measuring surfaces ground for longer service life

Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4410-1105	0-25/0-1"	0.001/0.00005"	29.8	24.5	φ6.5	159.5	59.6	23.5	0.003/0.00015"
4410-1110	25-50/1-2"	0.001/0.00005"	55.3	31	φ6.5	188.5	75.7	23.5	0.003/0.00015"
4410-1115	50-75/2-3"	0.001/0.00005"	80.8	44	φ6.5	219	90.7	23.5	0.004/0.00015"
4410-1120	75-100/3-4"	0.001/0.00005"	105.8	56	φ6.5	246.5	107.2	23.5	0.004/0.00015"
4410-1125	100-125/4-5"	0.001/0.00005"	130.8	68	φ6.5	278	125.3	23.5	0.005/0.0002"
4410-1130	125-150/5-6"	0.001/0.00005"	155.8	81	φ6.5	307.5	141.3	23.5	0.005/0.0002"

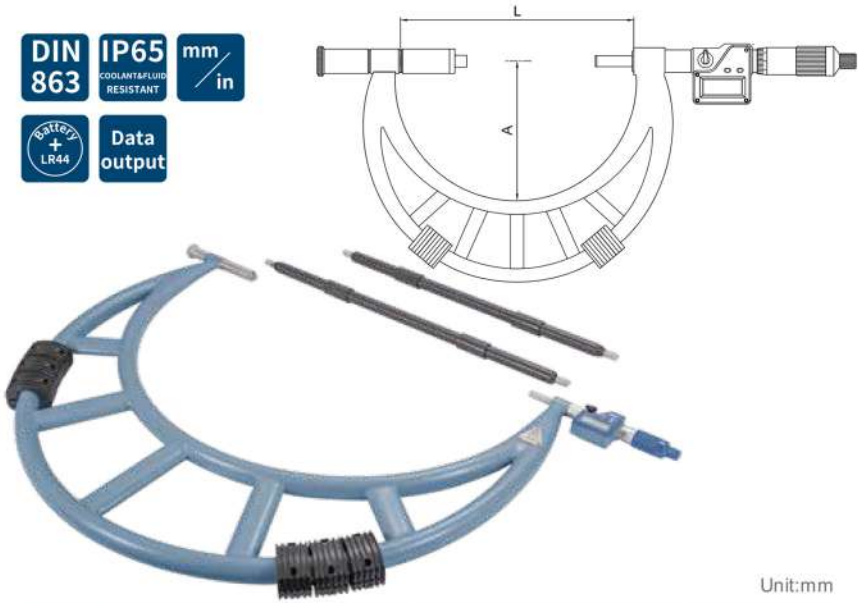
DIN 863 | mm/in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT

IP65 WATER PROOF DIGITAL OUTSIDE MICROMETER

WITH ADJUSTABLE ANVILS

- Strictly made in accordance with DIN863
- Wide measuring range with adjustable anvil
- High accuracy standard collars enable that reading does not have to be reset when changing collars
- Standard collars: Within 1000mm/40": 25mm/1", 50mm/2"
- With carbide measuring faces
- Pipe combined frame for light weight and high rigidity
- IP65 protection against liquid

DIN 863 | IP65 COOLANT&FLUID RESISTANT | mm/in | Battery + LR44 | Data output



Unit:mm

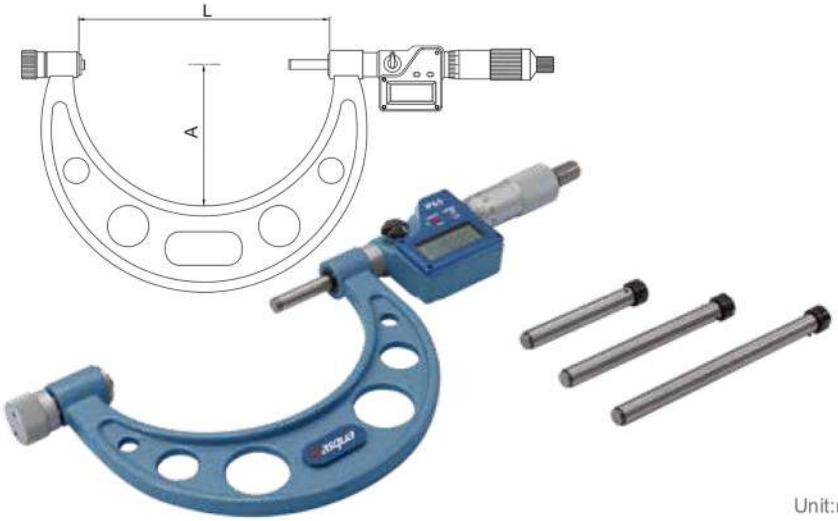
Code	Range	A	L	Resolution	Accuracy
4905-0005	300-400	224	409	0.001/0.00005"	0.011
4905-0006	400-500	275	509	0.001/0.00005"	0.013
4905-0007	500-600	321	609	0.001/0.00005"	0.015
4905-0008	600-700	371	709	0.001/0.00005"	0.016
4905-0009	700-800	426	809	0.001/0.00005"	0.018
4905-0010	800-900	476	909	0.001/0.00005"	0.020
4905-0011	900-1000	576	1009	0.001/0.00005"	0.020

IP65 WATER PROOF OUTSIDE MICROMETER

WITH INTERCHANGEABLE ANVILS

- Wide measuring range with interchangeable anvils
- High accuracy interchangeable anvils enable that reading does not have to be reset when changing anvils
- With carbide measuring faces
- IP65 protection against liquid

DIN 863 | IP65 COOLANT&FLUID RESISTANT | mm/in | Battery + LR44 | Data output



Unit:mm

Code	Range	Resolution	Anvil(pcs)	A	L	Accuracy
4706-0001	0-100	0.001/0.00005"	4	57	108	±0.003
4706-0002	100-200	0.001/0.00005"	4	114	208	±0.004
4706-0003	200-300	0.001/0.00005"	4	165	308	±0.005
4706-0004	300-400	0.001/0.00005"	4	224	409	±0.006
4706-0005	400-500	0.001/0.00005"	4	275	509	±0.007
4706-0006	500-600	0.001/0.00005"	4	321	609	±0.007
4706-0007	600-700	0.001/0.00005"	4	371	709	±0.008
4706-0008	700-800	0.001/0.00005"	4	426	809	±0.009
4706-0009	800-900	0.001/0.00005"	4	476	909	±0.010
4706-0010	900-1000	0.001/0.00005"	4	576	1009	±0.010

IP65 WATER PROOF DIGITAL QUICK-MOVE MICROMETER

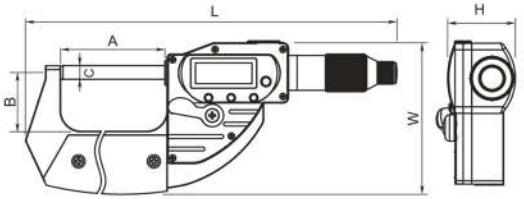
Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4220-2105	0-25/0-1"	0.001/0.00005"	29.8	25.4	φ6.5	168.6	64.6	30.8	0.003/0.00015"
4220-2110	25-50/1-2"	0.001/0.00005"	55.3	31	φ6.5	197.2	80.5	30.8	0.003/0.00015"
4220-2115	50-75/2-3"	0.001/0.00005"	80.3	44	φ6.5	227.5	96	30.8	0.004/0.00015"
4220-2120	75-100/3-4"	0.001/0.00005"	105.3	56	φ6.5	257.6	112.5	30.8	0.004/0.00015"

WITH WIRELESS SYSTEM

Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4610-3105	0-25/0-1"	0.001/0.00005"	29.8	25.4	φ6.5	168.6	64.6	30.8	0.003/0.00015"
4610-3110	25-50/1-2"	0.001/0.00005"	55.3	31	φ6.5	197.2	80.5	30.8	0.003/0.00015"
4610-3115	50-75/2-3"	0.001/0.00005"	80.3	44	φ6.5	227.5	96	30.8	0.004/0.00015"
4610-3120	75-100/3-4"	0.001/0.00005"	105.3	56	φ6.5	257.6	112.5	30.8	0.004/0.00015"

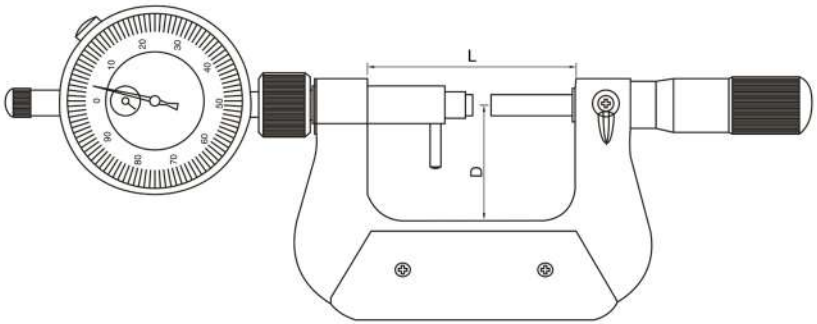


DIN 863 | mm/in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT | Absolute | Data output | WIRELESS TRANSMITTER

MICROMETER

WITH DIAL INDICATOR

- Uses dial indicator for direct GO/NG-GO judgment for mass-produced parts
- Anvil retracting trigger for quick measurement
- With a standard bar except for 0 - 25mm models

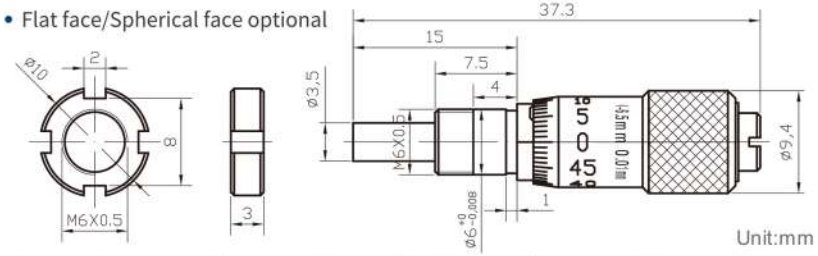


Unit:mm

Code	Range	L	D	Graduation	Accuracy
4403-0005	0-25	67	38	0.01	0.004
4403-0010	25-50	92	50	0.01	0.004
4403-0015	50-75	118	62	0.01	0.005
4403-0020	75-100	143	70	0.01	0.005
4403-0025	100-125	168	82	0.01	0.006
4403-0030	125-150	192	95	0.01	0.006
4403-0035	150-175	217	107	0.01	0.007

6.5MM MICROMETER HEAD

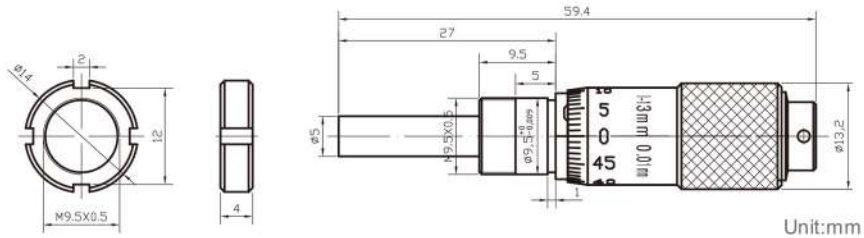
- Mount on precision equipment or machinery like machines, fixed devices, special tools, etc
- Carbide measuring surfaces ground for longer service life
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Straight stem/Stem with clamp nut optional
- Flat face/Spherical face optional



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8105	0-6.5	0.01	0.04	/
4833-8105	0-6.5	0.01	0.04	W/Clamp Nut
4733-8105	0-6.5	0.01	0.04	W/Clamp Nut/Spherical

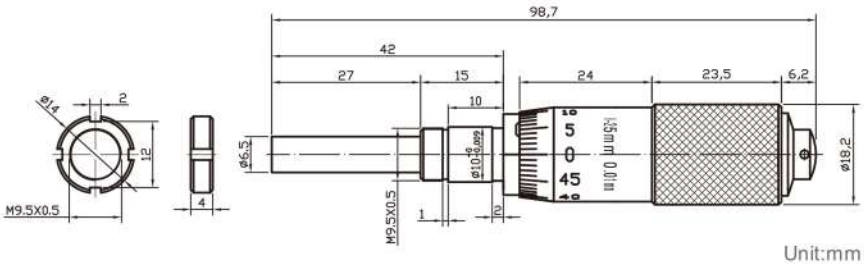
13MM MICROMETER HEAD



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8110	0-13	0.01	0.04	/
4833-8110	0-13	0.01	0.04	W/Clamp Nut
4811-7310	0-13	0.01	0.04	W/Spindle Lock
4833-7310	0-13	0.01	0.04	W/Clamp Nut+W/Spindle Lock
4711-8110	0-13	0.01	0.04	Spherical
4733-8110	0-13	0.01	0.04	W/Clamp Nut/Spherical
4711-7314	0-13	0.01	0.04	W/Spindle Lock/Spherical
4733-7310	0-13	0.01	0.04	W/Clamp Nut+W/Spindle Lock/Spherical

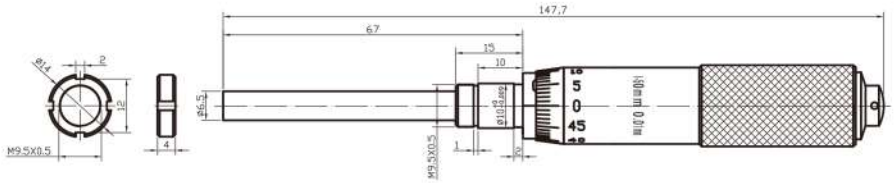
25MM MICROMETER HEAD



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8115-A	0-25	0.01	0.04	/
4833-8115-A	0-25	0.01	0.04	W/Clamp Nut
4811-7315-A	0-25	0.01	0.04	W/Spindle Lock
4833-7315-A	0-25	0.01	0.04	W/Clamp Nut+W/Spindle Lock
4711-8115-A	0-25	0.01	0.04	Spherical
4733-8115-A	0-25	0.01	0.04	W/Clamp Nut/Spherical
4711-7315-A	0-25	0.01	0.04	W/Spindle Lock/Spherical
4733-7315-A	0-25	0.01	0.04	W/Clamp Nut+W/Spindle Lock/Spherical

50MM MICROMETER HEAD



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8120-A	0-50	0.01	0.04	/
4833-8120-A	0-50	0.01	0.04	W/Clamp Nut
4811-7320-A	0-50	0.01	0.04	W/Spindle Lock
4833-7320-A	0-50	0.01	0.04	W/Clamp Nut+W/Spindle Lock
4711-8120-A	0-50	0.01	0.04	Spherical
4733-8120-A	0-50	0.01	0.04	W/Clamp Nut/Spherical
4711-7320-A	0-50	0.01	0.04	W/Spindle Lock/Spherical
4733-7320-A	0-50	0.01	0.04	W/Clamp Nut+W/Spindle Lock/Spherical

INCH MICROMETER HEAD

- Mount on precision equipment or machinery like machines, fixed devices, special tools, etc
- Carbide measuring surfaces ground for longer service life
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Straight stem/Stem with clamp nut optional
- Flat face/Spherical face optional

Unit:mm

Code	Range	Graduation	Accuracy	Remark
4812-5105	0-0.25"	0.001"	0.0015"	W/Clamp Nut
4812-5110	0-0.5"	0.001"	0.0015"	W/Clamp Nut
4812-5115-A	0-1"	0.001"	0.0015"	W/Clamp Nut+W/Spindle Lock
4812-5120-A	0-2"	0.001"	0.0015"	W/Clamp Nut+W/Spindle Lock

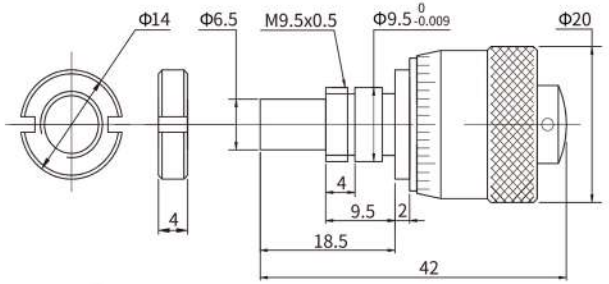
MICROMETER HEAD

WITH LARGE THIMBLE DIAMETER

- Strictly made in accordance with DIN863
- Operating and display units antiglare with satin chrome finish
- Stainless spindle is hardened throughout and ground
- Rapid drive with integrated ratchet
- Carbide tipped measuring face
- with clamp nut

Unit:mm

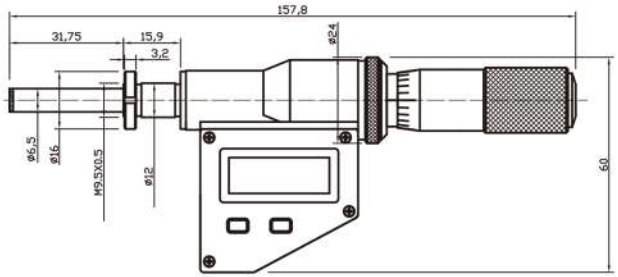
Code	Range	Graduation	Accuracy	Remark
4811-8125	0-6.5	0.01	0.005	/
4833-8125	0-6.5	0.01	0.005	W/Clamp Nut
4711-8125	0-6.5	0.01	0.005	Spherical
4733-8125	0-6.5	0.01	0.005	W/Clamp Nut/Spherical
4811-8130	0-13	0.01	0.004	/
4833-8130	0-13	0.01	0.004	W/Clamp Nut



DIGITAL MICROMETER HEAD

WITH CLAMP NUT

- Strictly made in accordance with DIN863
- Incremental capacitor measurement system
- IP65 protection against liquid
- 3V lithium battery CR2032
- SPC data output
- With carbide measuring face
- With painted frame
- Flat face (spherical tip optional)
- Spindle hardened and ground



DIN 863 | Data output | mm / in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT

Unit:mm

Code	Range	Resolution	Accuracy
4910-2130	0-25/0-1"	0.001/0.00005"	0.003/0.00015"
4910-2135	0-50/0-2"	0.001/0.00005"	0.003/0.00015"

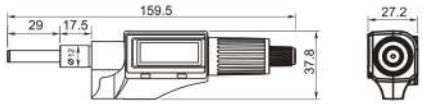
DIGITAL MICROMETER HEAD

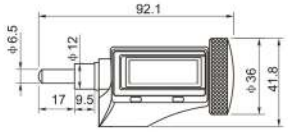
- Mount on precision equipment or machinery like machines, fixed devices, special tools, etc
- where need 0.001mm accuracy
- Stictly made in accordance with DIN863
- Equipped with large LCD screen for easy reading
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Carbide measuring surfaces ground for longer service life
- Flat face/Spherical face optional

Unit:mm

Code	Range	Resolution	Accuracy
4910-2110	0-15/0-0.5"	0.001/0.00005"	0.003/0.00015"
4910-2115	0-25/0-1"	0.001/0.00005"	0.003/0.00015"

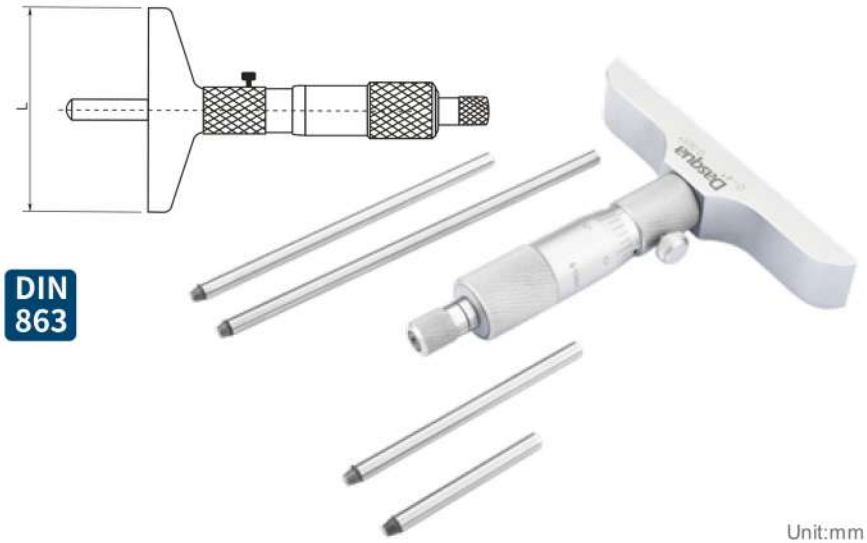
DIN 863 | Data output | mm / in | Battery + CR2032





DEPTH MICROMETER

- Used to measure depth of holes or parts with grooved or elevated surfaces
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With measuring rod clamp
- Carbide measuring surfaces ground for longer service life



DIN 863

Unit:mm

Code	Range	Graduation	Accuracy	L	Anvil(pcs)
4611-8106	0-25	0.01	±0.004	102	1
4611-8110	0-50	0.01	±0.004	102	2
4611-8115	0-75	0.01	±0.006	102	3
4611-8120	0-100	0.01	±0.006	102	4
4611-8125	0-150	0.01	±0.007	102	6
4611-8129	0-200	0.01	±0.008	102	8
4611-8130	0-300	0.01	±0.010	102	12
4612-5106	0-1"	0.001"	±0.00016"	102	1
4612-5110	0-2"	0.001"	±0.00016"	102	2
4612-5115	0-3"	0.001"	±0.00025"	102	3
4612-5120	0-4"	0.001"	±0.00025"	102	4
4612-5125	0-6"	0.001"	±0.00025"	102	6
4612-5130	0-8"	0.001"	±0.0003"	102	8
4612-5135	0-12"	0.001"	±0.0004"	102	12

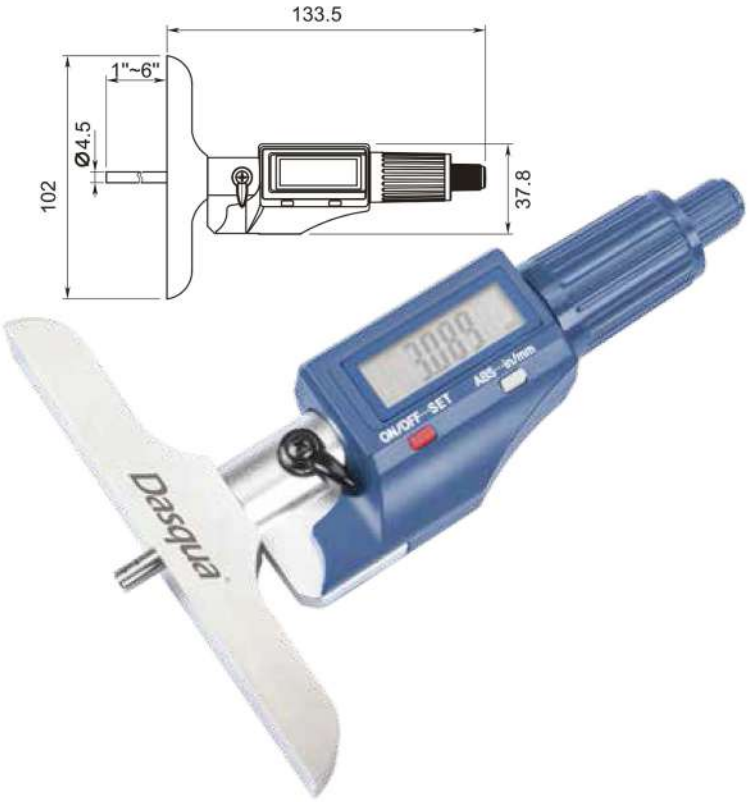
DIGITAL DEPTH MICROMETER

- Used to measure depth of holes or parts with grooved or elevated surfaces
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle hardened, ground and lapped for ultimate accuracy
- Large easy-to-read display
- Extension rods of different lengths offering larger measuring ranges
- With Hold, Zero, Metric/Inch Conversion function

DIN 863 | mm/in | Battery + CR2032

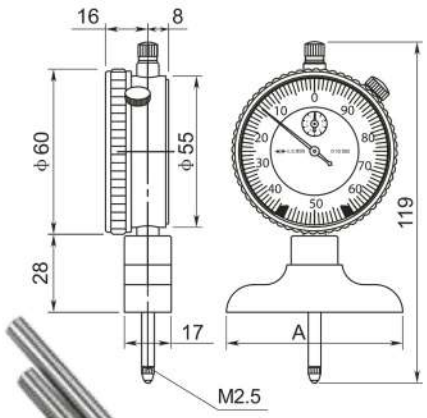
Unit:mm

Code	Range	Resolution	Accuracy
4710-2205	0-150/0-6"	0.001/0.00005"	0.005/0.0002"



DIAL DEPTH GAUGE

- Used to measure depth of holes or parts with grooved or elevated surfaces
- Dial Indicator for easy and clear reading
- Hardened base with fine lapped contact surface
- Extension rods of different lengths offering larger measuring ranges



Unit:mm

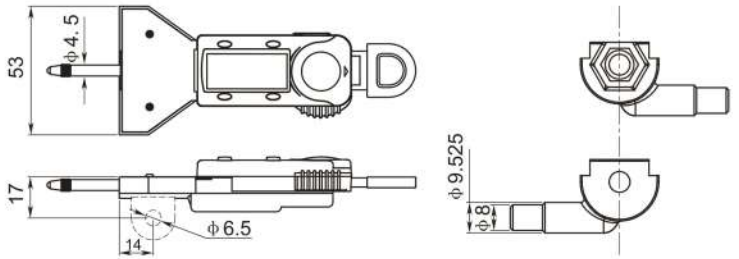
Code	Range	Graduation	Base Length(A)	Depth	Remark
5822-4100	0-1"	0.001"	2.5"	6"	With 5 rods 1-5", step by 1"
5822-4105	0-1"	0.001"	4"	6"	With 5 rods 1-5", step by 1"
5821-1100	0-10	0.01	64	100	With 9 rods 10-90,step by10
5821-1105	0-10	0.01	100	100	With 9 rods 10-90,step by10

DIGITAL DEPTH GAGE

- Super-large display
- Hardened,ground and lapped measuring face
- Spring-loaded and hold measurement button for easy-to-use
- Supplied in fitted case

Unit:mm

Code	Range	Resolution	Travel	Accuracy	Anvil
4710-1205	0-16"/400	0.01/0.0005"	0-25/0-1"	0.03/0.0015"	1"/2"/3"/4"/5"



TUBULAR INSIDE MICROMETER

- Wide range by combining extension rods and anvils with the micrometer head
- Strictly made in accordance with DIN 863
- Measuring rods hardened, ground and lapped
- Clear graduations laser-etched on satin chrome finish for easy reading

Unit:mm

Code	Range	Graduation	Extension Rod	Accuracy
4311-8103	50-63	0.01	Micrometer head	0.005
4311-8106	50-100	0.01	13,25	0.007
4311-8107	50-150	0.01	13,25,50	0.009
4311-8109	50-300	0.01	13,25,50(2pcs),100	0.014
4311-8111	50-500	0.01	13,25,50(2pcs),100,200	0.019
4311-8113	50-600	0.01	13,25,50,100,150,200	0.021
4311-8118	50-1000	0.01	13,25,50,100(2pcs),150,200,300	0.031
4311-8119	50-1500	0.01	13,25,50,100(2pcs),150,200(2pcs),300(2pcs)	0.043
4312-5103	2-2.5"	0.001"	Micrometer head	0.0002"
4312-5106	2-4"	0.001"	0.5",1"	0.00025"
4312-5109	2-12"	0.001"	0.5",1",2"(2pcs),4"	0.00045"
4312-5112	2-20"	0.001"	0.5",1",2"(2pcs),4",8"	0.00065"
4312-5113	2-40"	0.001"	0.5",1",2",4"(2pcs.),6",8",12"	0.00115"

TUBULAR INSIDE MICROMETER

- Wide range by combining extension rods and anvils with the micrometer head
- Strictly made in accordance with DIN 863
- Measuring rods hardened, ground and lapped
- Clear graduations laser-etched on satin chrome finish for easy reading

Unit:mm

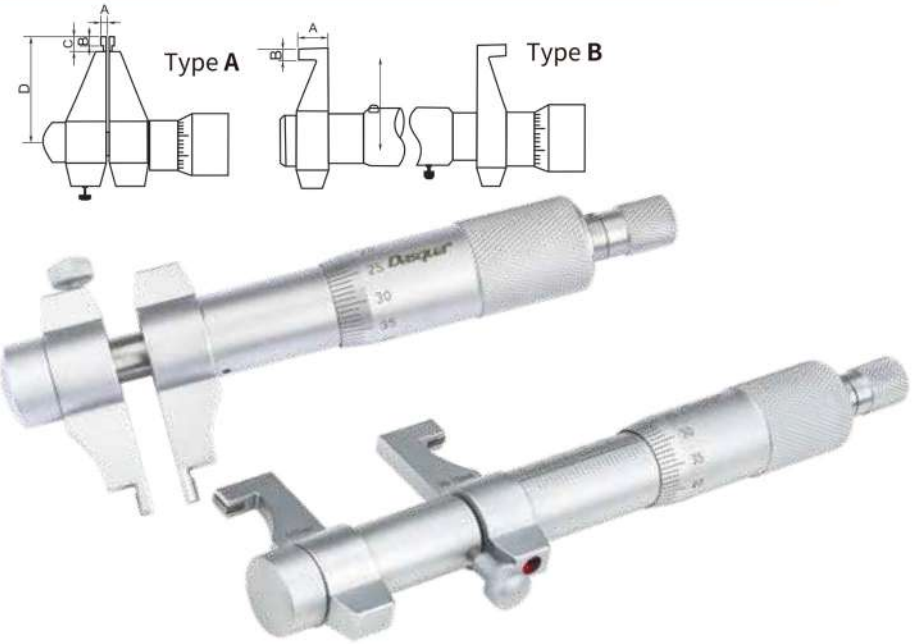
Code	Range	Graduation	Travel of micrometer	Extension Rod
4311-8220	1000-2000	0.01	50	50,100(2pcs),200,500
4311-8225	1000-3000	0.01	50	50,100(2pcs),200,500,1000
4311-8230	1000-4000	0.01	50	50,100(2pcs),200,500,1000(2pcs)
4311-8235	1000-5000	0.01	50	50,100(2pcs),200,500,1000(3pcs)

INSIDE MICROMETER

- Used to measure various inside dimensions
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Carbide measuring surfaces ground for longer service life
- An inside micrometer set is optional

Unit:mm

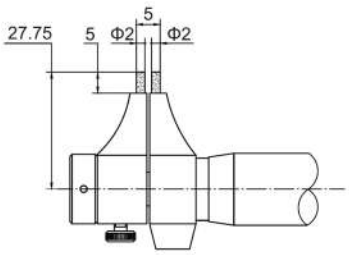
Code	Range	Graduation	Type	A	B	C	D	Accuracy	Ring gage
4911-8105	5-30	0.01	A	2.3	4.5	5.5	27.5	±0.005	✓
4911-8110	25-50	0.01	B	12.3	4.5	/	27.5	±0.006	✓
4911-8115	50-75	0.01	B	12.3	4.5	/	27.5	±0.007	/
4911-8120	75-100	0.01	B	12.3	4.5	/	27.5	±0.008	/
4911-8125	5-100	0.01	/	/	/	/	/	/	/
4912-5105	0.2-1.2"	0.001"	A	2.3	4.5	5.5	27.5	±0.00025"	✓
4912-5110	1-2"	0.001"	B	12.3	4.5	/	27.5	±0.0003"	✓
4912-5115	2-3"	0.001"	B	12.3	4.5	/	27.5	±0.00035"	/
4912-5120	3-4"	0.001"	B	12.3	4.5	/	27.5	±0.0004"	/
4912-5125	0.2-4"	0.001"	/	/	/	/	/	/	/

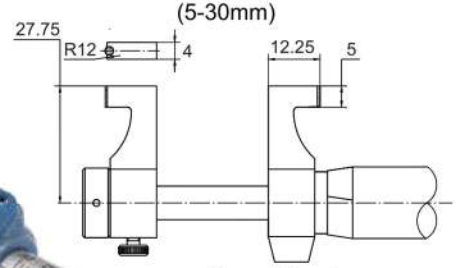


DIGITAL INSIDE MICROMETER

- Strictly made in accordance with DIN863
- For easy and rapid measurement of various inside dimensions
- LCD display with clear reading, metric/inch conversion
- Zero setting at any position
- Clamp wheel for quick and precise fixing
- With ratchet for constant measuring pressure
- Incl. 1x 1.5V battery

Battery + LR44 | DIN 863 | Data output





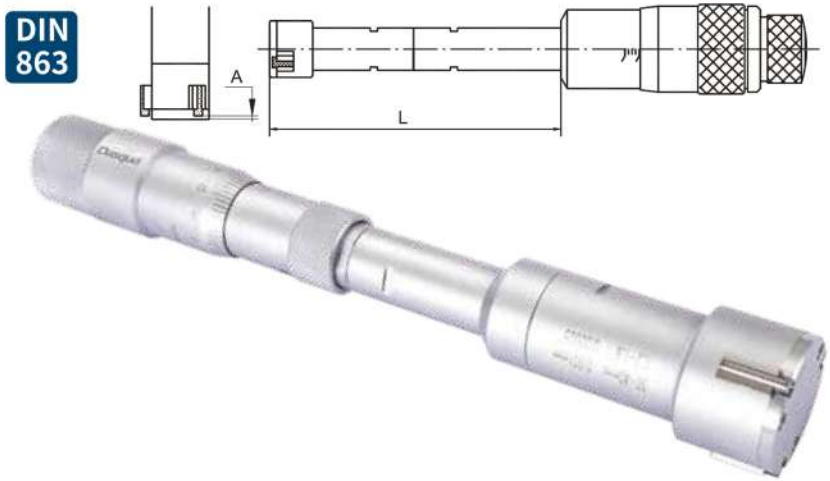
Unit:mm

Code	Range	Resolution	Accuracy
4910-4105	5-30/0.2"-1.2"	0.001/0.00005"	±0.003
4910-4110	25-50/1"-2"	0.001/0.00005"	±0.003
4910-4115	50-75/2"-3"	0.001/0.00005"	±0.004
4910-4120	75-100/3"-4"	0.001/0.00005"	±0.004

3 POINTS INSIDE MICROMETER

- Applied for measuring through-holes and blind-holes
- With extension rods which are available in deeper holes
- With Ratchet stop for constant force
- Highly durable because of carbide-tipped measuring surfaces
- Setting rings for zero point adjustment
- Clear graduations laser-etched on satin chrome finish for easy reading
- Spindle hardened, ground and lapped for ultimate accuracy

DIN 863



Unit:mm

Code	Range	Setting Ring	Graduation	L	A	Accuracy
4411-5101	6-8	φ6	0.001	54.5	1.5	0.004
4411-5102	8-10	φ8	0.001	54.5	1.5	0.004
4411-5103	10-12	φ10	0.001	54.5	1.5	0.004
4411-5104	12-16	φ12	0.005	80	0.5	0.004
4411-5105	16-20	φ16	0.005	80	0.5	0.004
4411-5106	20-25	φ20	0.005	90	0.5	0.004
4411-5107	25-30	φ25	0.005	90	0.5	0.004
4411-5108	30-40	φ30	0.005	97	0.5	0.004
4411-5109	40-50	φ40	0.005	97	0.5	0.005
4411-5110	50-63	φ50	0.005	114	0.5	0.005
4411-5111	62-75	φ62	0.005	114	0.5	0.005
4411-5112	75-88	φ75	0.005	114	0.5	0.005
4411-5113	87-100	φ87	0.005	114	0.5	0.005

3 POINTS INSIDE MICROMETER SET

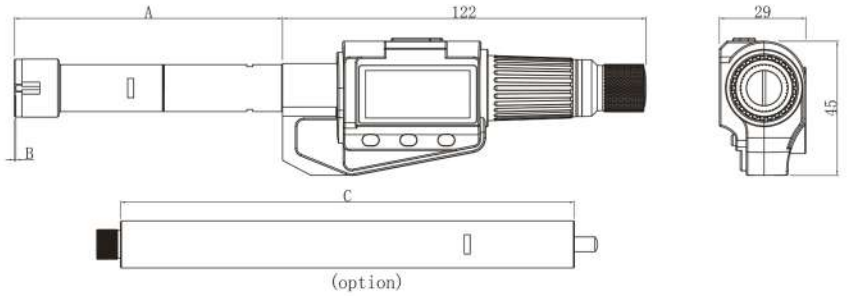
Unit:mm

Code	Range	Setting Ring	Graduation	Extension Rod	L	A	Accuracy
4411-9205	6-12	φ8/φ10	0.001	50	54.5	1.5	0.004
4411-3210	12-20	φ16	0.005	100	80	0.5	0.004
4411-3215	20-50	φ25/φ40	0.005	150	90/97	0.5	0.004
4411-3220	50-100	φ62/φ87	0.005	150	114	0.5	0.005
4412-0205	0.275-0.5"	0.35"/0.5"	0.0001"	4"	2.18"	0.06"	0.00016"
4412-4210	0.5-0.8"	0.65"	0.0002"	6"	3.2"	0.02"	0.00016"
4412-4207	0.8-2"	1"/1.6"	0.0002"	6"	3.6"/3.88"	0.02"	0.00016"
4412-4208	2-4"	2.5"/3.5"	0.0002"	6"	4.56"	0.02"	0.0002"

IP54 WATER PROOF DIGITAL
3 POINTS INSIDE MICROMETER

- Applied for measuring through-holes and blind-holes
- With extension rods which are available in deeper holes
- With Ratchet stop for constant force
- Highly durable because of carbide-tipped measuring surfaces
- Setting rings for zero point adjustment
- Large easy-to read display
- Spindle hardened, ground and lapped for ultimate accuracy
- IP54 protection against liquid
- With ABSOLUTE, Hold and Metric/Inch Conversion function

mm/in | DIN 863 | Battery + CR2032 | IP54 COOLANT&FLUID RESISTANT | Data output



Unit:mm

Code	Range	Setting Ring	Resolution	A	B	Accuracy
4511-5101	6-8	φ6	0.001/0.00005"	55	1	0.004
4511-5102	8-10	φ8	0.001/0.00005"	55	1.5	0.004
4511-5103	10-12	φ10	0.001/0.00005"	55	1.5	0.004
4511-5104	12-16	φ12	0.001/0.00005"	80	0.5	0.004
4511-5105	16-20	φ16	0.001/0.00005"	80	0.5	0.004
4511-5106	20-25	φ20	0.001/0.00005"	90	0.5	0.004
4511-5107	25-30	φ25	0.001/0.00005"	90	0.5	0.004
4511-5108	30-40	φ30	0.001/0.00005"	105	0.5	0.004
4511-5109	40-50	φ40	0.001/0.00005"	105	0.5	0.005
4511-5110	50-63	φ50	0.001/0.00005"	127	0.5	0.005
4511-5111	62-75	φ62	0.001/0.00005"	127	0.5	0.005
4511-5112	75-88	φ75	0.001/0.00005"	127	0.5	0.005
4511-5113	87-100	φ87	0.001/0.00005"	127	0.5	0.005

IP54 WATER PROOF DIGITAL
3 POINTS INSIDE MICROMETER SET

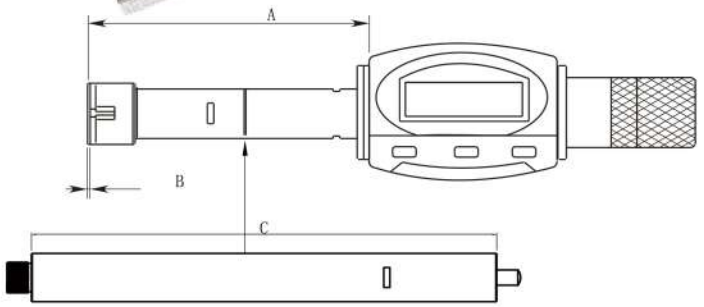
Unit:mm

Code	Range	Resolution	Setting Ring	Extension Rod(C)	A	B	Accuracy
4511-9205	6-12	0.001/0.00005"	φ8/φ10	101.6	55	1/1.5	0.004
4511-9210	12-20	0.001/0.00005"	φ16	152.4	80	0.5	0.004
4511-9215	20-50	0.001/0.00005"	φ25/φ40	152.4	90/105	0.5	0.004
4511-9220	50-100	0.001/0.00005"	φ62/φ87	152.4	127	0.5	0.005

IP65 WATER PROOF DIGITAL 3 POINTS INSIDE MICROMETER

- IP65 protection against liquid
- For through holes and from up 12.5 mm for blind holes also
- 3V Lithium battery CR2032
- Large LCD display with clear reading
- With data output
- Built in wireless data transmission (optional)
- With ratchet for constant measuring pressure
- With carbide measuring face
- Additional extensions can be added to increase the measuring depth (12mm above optional)
- Setting rings for origin point setting

DIN 863 | IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + CR2032



Unit:mm

Code	Range	Setting Ring	Resolution	A	B	Accuracy
4711-7301	6-8	φ6	0.001/0.00005"	55	1	0.004
4711-7302	8-10	φ8	0.001/0.00005"	55	1.5	0.004
4711-7303	10-12	φ10	0.001/0.00005"	55	1.5	0.004
4711-7304	12-16	φ12	0.001/0.00005"	80	0.5	0.004
4711-7305	16-20	φ16	0.001/0.00005"	80	0.5	0.004
4711-7306	20-25	φ20	0.001/0.00005"	90	0.5	0.004
4711-7307	25-30	φ25	0.001/0.00005"	90	0.5	0.004
4711-7308	30-40	φ30	0.001/0.00005"	105	0.5	0.004
4711-7309	40-50	φ40	0.001/0.00005"	105	0.5	0.005
4711-7310	50-63	φ50	0.001/0.00005"	127	0.5	0.005
4711-7311	62-75	φ62	0.001/0.00005"	127	0.5	0.005
4711-7312	75-88	φ75	0.001/0.00005"	127	0.5	0.005
4711-7313	87-100	φ87	0.001/0.00005"	127	0.5	0.005

IP65 WATER PROOF DIGITAL 3 POINTS INSIDE MICROMETER SET

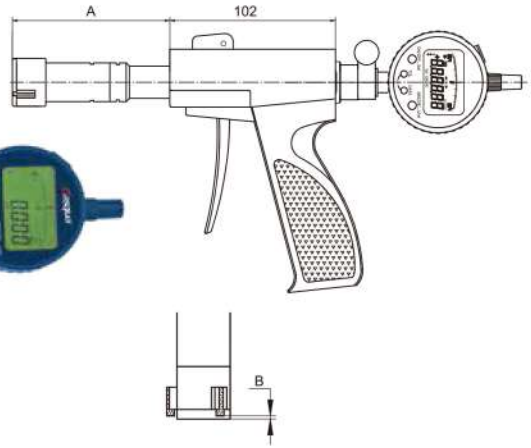
Unit:mm

Code	Range	Resolution	Setting Ring	Extension Rod	A	B	Accuracy
4711-4405	6-12	0.001/0.00005"	φ8/φ10	101.6	55	1/1.5	0.004
4711-4410	12-20	0.001/0.00005"	φ16	152.4	80	0.5	0.004
4711-4415	20-50	0.001/0.00005"	φ25/φ40	152.4	90/105	0.5	0.004
4711-4420	50-100	0.001/0.00005"	φ62/φ87	152.4	127	0.5	0.005

DIGITAL 3-POINT PISTOL BORE GAUGE

- Absolute Capacitor system
- 3V Lithium battery CR2032
- SPC data output
- Built in wireless data transmission (optional)
- With ratchet for constant measuring pressure
- Measuring contact points are designed to allow measurements near the bottom of blind holes
- With carbide measuring face
- Additional extensions can be added to increase the measuring depth (12mm above optional)
- Setting rings for origin point setting
- Display can rotate 90°

mm/in | DIN 863 | Battery + CR2032 | Absolute | Data output



Unit:mm

Code	Range	Setting Ring	Resolution	A	B	Accuracy
4600-0001	6-8	φ6	0.001/0.00005"	55	1	0.004
4600-0002	8-10	φ8	0.001/0.00005"	55	1.5	0.004
4600-0003	10-12	φ10	0.001/0.00005"	55	1.5	0.004
4600-0004	12-16	φ12	0.001/0.00005"	80	0.5	0.004
4600-0005	16-20	φ16	0.001/0.00005"	80	0.5	0.004
4600-0006	20-25	φ20	0.001/0.00005"	90	0.5	0.004
4600-0007	25-30	φ25	0.001/0.00005"	90	0.5	0.004
4600-0008	30-40	φ30	0.001/0.00005"	105	0.5	0.004
4600-0009	40-50	φ40	0.001/0.00005"	105	0.5	0.005
4600-0010	50-63	φ50	0.001/0.00005"	127	0.5	0.005
4600-0011	62-75	φ62	0.001/0.00005"	127	0.5	0.005
4600-0012	75-88	φ75	0.001/0.00005"	127	0.5	0.005
4600-0013	87-100	φ87	0.001/0.00005"	127	0.5	0.005

UNIVERSAL DIGITAL MICROMETER

- 7 pairs of interchangeable anvils for universal use of measurement
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- With spindle lock
- With Absolute, Inch-Metric Conversion and Zero-Set function
- Stainless steel newly adapted on spindle
- Carbide measuring surfaces ground for longer service life

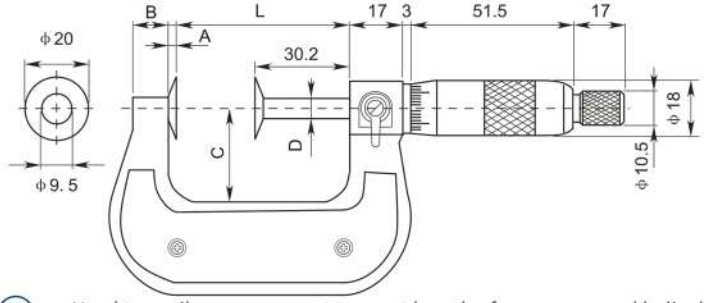
Unit:mm

Code	Range	Resolution
4210-2103	0-25/0-1"	0.001/0.00005"
4210-2106	25-50/1"-2"	0.001/0.00005"

DIN 863 | mm/in | Battery + LR44

DISC MICROMETER

DIN 863



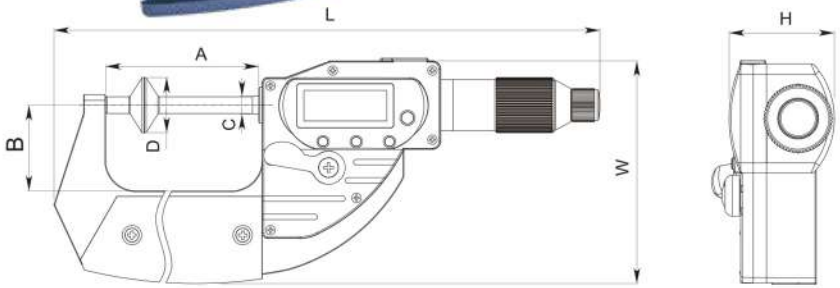
- Used to easily measure root tangent length of spur gears and helical gears
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force

Unit:mm

Code	Range*Graduation	L	A	B	C	D	Accuracy
4111-8102-A	0-25*0.01	33	2.8	7	24	φ6.5	0.004
4111-8104-A	25-50*0.01	58	2.8	11	30	φ6.5	0.004
4111-8106-A	50-75*0.01	83	2.8	11	42.5	φ6.5	0.005
4111-8108-A	75-100*0.01	108	2.8	11	55	φ6.5	0.005
4112-5102-A	0-1"*0.001"	33	2.8	7	24	φ6.5	0.0002"
4112-5104-A	1-2"*0.001"	58	2.8	11	30	φ6.5	0.0002"
4112-5106-A	2-3"*0.001"	83	2.8	11	42.5	φ6.5	0.00025"
4112-5108-A	3-4"*0.001"	108	2.8	11	55	φ6.5	0.00025"

DIGITAL QUICK-MOVE DISC MICROMETER

DIN 863 | mm/in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT | Data output | WIRELESS TRANSMITTER | Absolute

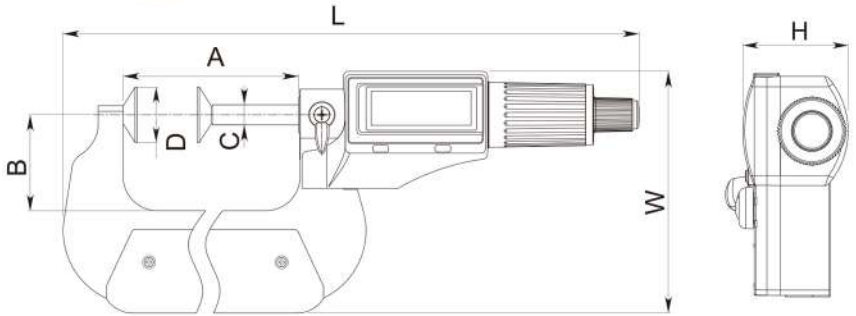


- Used to easily measure root tangent length of spur gears and helical gears
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- IP65 protection against liquid
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2104	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ20	197.2	80.5	30.8	0.003/0.00015"
4220-2108	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ20	227.5	96	30.8	0.003/0.00015"
4220-2112	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ20	257.6	112.5	30.8	0.004/0.00015"

DIGITAL DISC MICROMETER



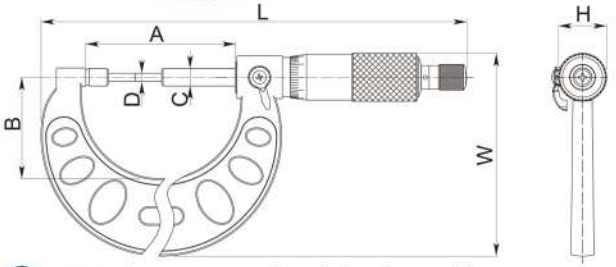
- Used to easily measure root tangent length of spur gears and helical gears
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4110-0005	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ20	197.2	80.5	30.8	0.003/0.00015"
4110-0010	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ20	227.5	96	30.8	0.003/0.00015"
4110-0015	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ20	257.6	112.5	30.8	0.004/0.00015"
4110-0020	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	φ20	269.7	127.8	30.8	0.004/0.00015"

SPLINE MICROMETER

DIN 863



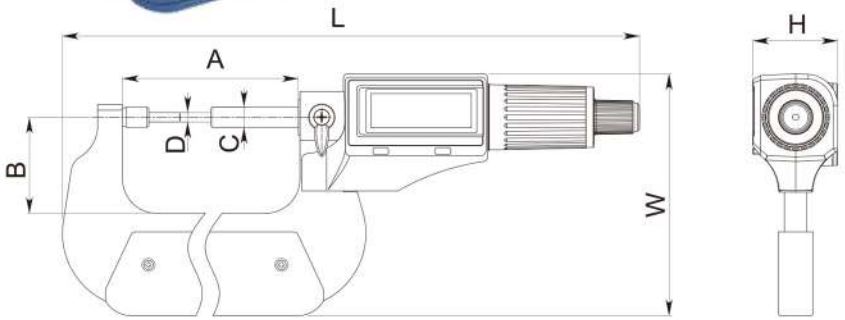
- Used to measure spline shafts, slots and keyways
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force

Unit:mm

Code	Range	Graduation	A	B	C	D	L	W	H	Accuracy
4710-1005	0-25	0.01	56	38	φ6.5	φ3.0	160	76	φ18	0.004/0.00015"
4710-1010	25-50	0.01	81	51	φ6.5	φ3.0	185.5	91	φ18	0.004/0.00015"
4710-1015	50-75	0.01	106	63.5	φ6.5	φ3.0	210.5	105	φ18	0.005/0.0002"
4710-1020	75-100	0.01	131	76	φ6.5	φ3.0	237.3	125	φ18	0.005/0.0002"
4710-2005	0-1"	0.001"	56	38	φ6.5	φ3.0	160	76	φ18	0.004/0.00015"
4710-2010	1-2"	0.001"	81	51	φ6.5	φ3.0	185.5	91	φ18	0.004/0.00015"
4710-2015	2-3"	0.001"	106	63.5	φ6.5	φ3.0	210.5	105	φ18	0.005/0.0002"
4710-2020	3-4"	0.001"	131	76	φ6.5	φ3.0	237.3	125	φ18	0.005/0.0002"
4710-2305	0-1"	0.0001"	56	38	φ6.5	φ3.0	160	76	φ18	0.004/0.00015"
4710-2310	1-2"	0.0001"	81	51	φ6.5	φ3.0	185.5	91	φ18	0.004/0.00015"
4710-2315	2-3"	0.0001"	106	63.5	φ6.5	φ3.0	210.5	105	φ18	0.005/0.0002"
4710-2320	3-4"	0.0001"	131	76	φ6.5	φ3.0	237.3	125	φ18	0.005/0.0002"

DIGITAL SPLINE MICROMETER

DIN 863 | Battery + CR2032 | mm / in



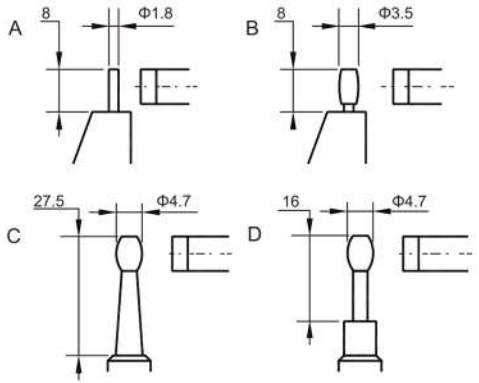
- Used to measure spline shafts, slots and keyways
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4720-2005	0-25/0-1"	0.001/0.00005"	56.5	31	φ6.5	φ3.0	185.4	77.9	27.3	0.003/0.00015"
4720-2010	25-50/1-2"	0.001/0.00005"	81.5	44	φ6.5	φ3.0	211.9	93.4	27.3	0.003/0.00015"
4720-2015	50-75/2-3"	0.001/0.00005"	107.1	56	φ6.5	φ3.0	239.9	111.4	27.3	0.004/0.00015"
4720-2020	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	φ3.0	269.7	127.8	27.3	0.004/0.00015"

TUBE MICROMETER

DIN 863



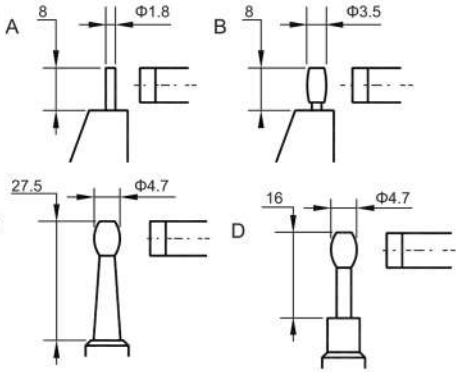
- Strictly made in accordance with DIN863
- Used to measure wall thickness of various tubes
- With Carbide-tipped measuring faces
- With ratchet for constant measuring pressure

Unit:mm

Code	Range	Graduation	Type	Accuracy
4440-1005	0-25	0.01	Anvil Type A	0.006
4440-1010	0-25	0.01	Anvil Type B	0.006
4440-1015	0-25	0.01	Anvil Type C	0.006
4440-1020	0-25	0.01	Anvil Type D	0.006

DIGITAL TUBE MICROMETER

IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output



- Strictly made in accordance with DIN863
- Protection level IP65
- For measuring wall thickness of various tubes
- Carbide-tipped measuring faces
- With ratchet for constant measuring pressure

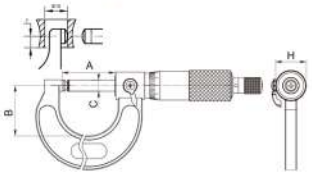
Unit:mm

Code	Range	Resolution	Type	Accuracy
4400-0005	0-25/0-1"	0.001/0.00005"	Anvil Type A	±0.003
4400-0010	0-25/0-1"	0.001/0.00005"	Anvil Type B	±0.003
4400-0015	0-25/0-1"	0.001/0.00005"	Anvil Type C	±0.003
4400-0020	0-25/0-1"	0.001/0.00005"	Anvil Type D	±0.003

SPHERICAL ANVIL TUBE MICROMETER

• S-F : 4510-1005

• S-S : 4330-1005



DIN 863

- Used to measure wall thickness of tubes
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Style:
  S-F:Spherical anvil and flat spindle
  S-S:Spherical anvil and spherical spindle
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force

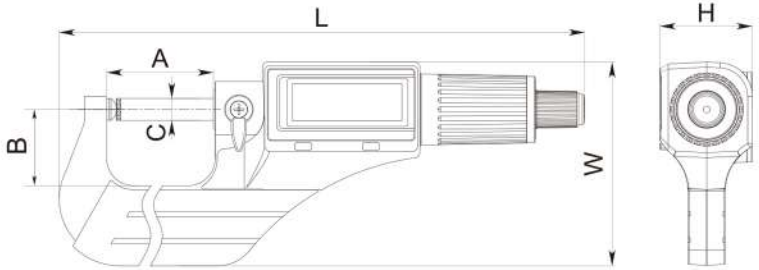
Unit:mm

Code	Range	Graduation	A	B	C	H	Style	Accuracy
4510-1005	0-25	0.01	31	29.5	φ6.5	φ18	S-F	0.004
4510-1010	25-50	0.01	56	38	φ6.5	φ18	S-F	0.004
4510-1015	50-75	0.01	81	51	φ6.5	φ18	S-F	0.005
4510-1020	75-100	0.01	106	63.5	φ6.5	φ18	S-F	0.005
4510-2005	0-1"	0.001"	31	29.5	φ6.5	φ18	S-F	0.004
4510-2010	1-2"	0.001"	56	38	φ6.5	φ18	S-F	0.004
4510-2015	2-3"	0.001"	81	51	φ6.5	φ18	S-F	0.005
4510-2020	3-4"	0.001"	106	63.5	φ6.5	φ18	S-F	0.005
4510-2305	0-1"	0.0001"	31	29.5	φ6.5	φ18	S-F	0.004
4510-2310	1-2"	0.0001"	56	38	φ6.5	φ18	S-F	0.004
4510-2315	2-3"	0.0001"	81	51	φ6.5	φ18	S-F	0.005
4510-2320	3-4"	0.0001"	106	63.5	φ6.5	φ18	S-F	0.005
4330-1005	0-25	0.01	32	24	φ6.5	φ18	S-S	0.004
4330-1010	25-50	0.01	57	32	φ6.5	φ18	S-S	0.004
4330-1015	50-75	0.01	82	45	φ6.5	φ18	S-S	0.005
4330-1020	75-100	0.01	107	57	φ6.5	φ18	S-S	0.005

DIGITAL SPHERICAL ANVIL TUBE MICROMETER

DIN 863

Battery + CR2032



- Used to measure wall thickness of tubes
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System

Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4520-2005	0-25/0-1"	0.001/0.00005"	31.5	22.5	φ6.5	155	60.2	27.3	0.003/0.00015"
4520-2010	25-50/1-2"	0.001/0.00005"	56.5	31	φ6.5	185.4	77.9	27.3	0.003/0.00015"
4520-2015	50-75/2-3"	0.001/0.00005"	81.5	44	φ6.5	211.9	93.4	27.3	0.004/0.00015"
4520-2020	75-100/3-4"	0.001/0.00005"	107.1	56	φ6.5	239.9	111.4	27.3	0.004/0.00015"
4520-3405	0-25/0-1"	0.001/0.00005"	31.5	22.5	φ6.5	155	60.2	27.3	0.003/0.00015"
4520-3410	25-50/1-2"	0.001/0.00005"	56.5	31	φ6.5	185.4	77.9	27.3	0.003/0.00015"
4520-3415	50-75/2-3"	0.001/0.00005"	81.5	44	φ6.5	211.9	93.4	27.3	0.004/0.00015"
4520-3420	75-100/3-4"	0.001/0.00005"	107.1	56	φ6.5	239.9	111.4	27.3	0.004/0.00015"

POINT MICROMETER

- S-S : 4610-1405
  SR0.3

- F-F : 4610-1005
  Φ0.5

DIN 863

- Used to measure the web thickness of drills, small grooves and other hard to reach dimensions
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force
- Style:
  F-F:Flat Anvil and Flat Spindle
  S-S:Spherical Anvil and Spherical Spindle

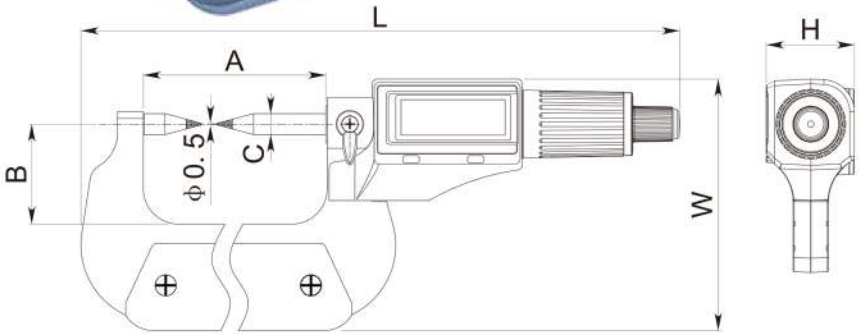
Unit:mm

Code	Range	Graduation	A	B	C	H	Style	Accuracy
4610-1005	0-25	0.01	56	38	φ6.5	φ18	F-F	0.004
4610-1010	25-50	0.01	81	51	φ6.5	φ18	F-F	0.004
4610-1015	50-75	0.01	106	63.5	φ6.5	φ18	F-F	0.005
4610-1020	75-100	0.01	131	76	φ6.5	φ18	F-F	0.005
4610-1405	0-25	0.01	57	32	φ6.5	φ18	S-S	0.004
4610-1410	25-50	0.01	82	45	φ6.5	φ18	S-S	0.004
4610-1415	50-75	0.01	107	57	φ6.5	φ18	S-S	0.005
4610-1420	75-100	0.01	133	70	φ6.5	φ18	S-S	0.005
4610-2005	0-1"	0.001"	56	38	φ6.5	φ18	F-F	0.004
4610-2010	1-2"	0.001"	81	51	φ6.5	φ18	F-F	0.004
4610-2015	2-3"	0.001"	106	63.5	φ6.5	φ18	F-F	0.005
4610-2020	3-4"	0.001"	131	76	φ6.5	φ18	F-F	0.005
4610-2305	0-1"	0.0001"	56	38	φ6.5	φ18	F-F	0.004
4610-2310	1-2"	0.0001"	81	51	φ6.5	φ18	F-F	0.004
4610-2315	2-3"	0.0001"	106	63.5	φ6.5	φ18	F-F	0.005
4610-2320	3-4"	0.0001"	131	76	φ6.5	φ18	F-F	0.005

DIGITAL POINT MICROMETER

DIN 863

Battery + CR2032



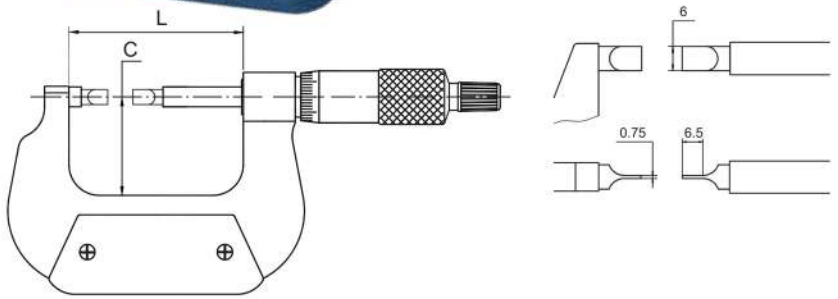
- Used to measure the web thickness of drills, small grooves and other hard to reach dimensions
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4620-2005	0-25/0-1"	0.001/0.00005"	56.5	31	φ6.5	185.4	77.9	φ27.3	0.003/0.00015"
4620-2010	25-50/1-2"	0.001/0.00005"	81.5	44	φ6.5	211.9	93.4	φ27.3	0.003/0.00015"
4620-2015	50-75/2-3"	0.001/0.00005"	107.1	56	φ6.5	239.9	111.4	φ27.3	0.004/0.00015"
4620-2020	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	269.7	127.8	φ27.3	0.004/0.00015"

BLADE MICROMETER

DIN 863



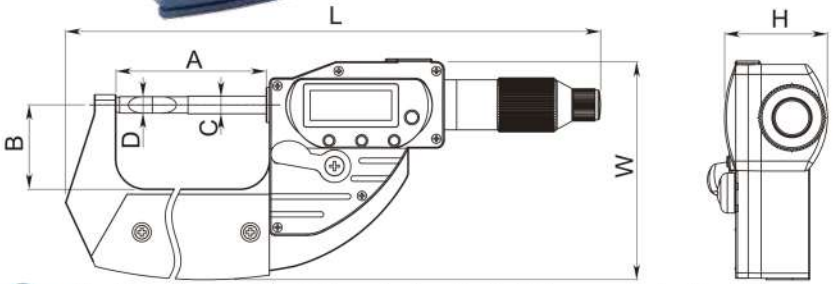
- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy

Unit:mm

Code	Range	Graduation	C	L
4570-1005	0-25	0.01	32	57
4570-1010	25-50	0.01	45	82
4570-1015	50-75	0.01	57	107
4570-1020	75-100	0.01	70	133
4570-1025	100-125	0.01	82	159
4570-1030	125-150	0.01	95	184
4570-2005	0-1"-0.001"	0.001"	32	57
4570-2010	1-2"-0.001"	0.001"	45	82
4570-2015	2-3"-0.001"	0.001"	57	107
4570-2020	3-4"-0.001"	0.001"	70	133
4570-2025	4-5"-0.001"	0.001"	82	159
4570-2030	5-6"-0.001"	0.001"	95	184

DIGITAL QUICK-MOVE BLADE MICROMETER

mm/in | DIN 863 | WIRELESS TRANSMITTER | Data output | IP65 COOLANT&FLUID RESISTANT | Absolute | Battery + CR2032



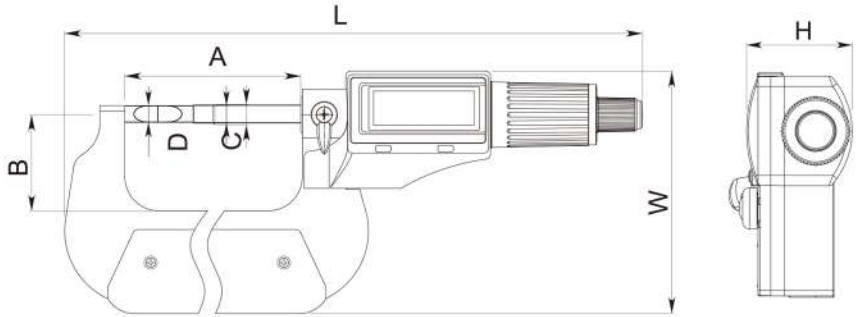
- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2103	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ6	197.2	80.5	30.8	0.003/0.00015"
4220-2106	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ6	227.5	96	44	0.003/0.00015"
4220-2109	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ6	257.6	112.5	56	0.004/0.00015"

DIGITAL BLADE MICROMETER

DIN 863 | Battery + CR2032 | mm/in



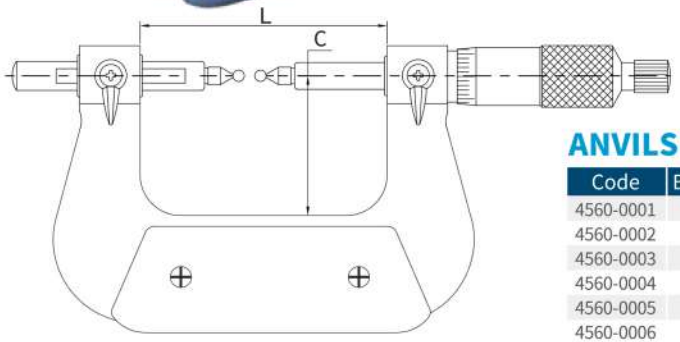
- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4570-3005	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ6	197.2	80.5	30.8	0.003/0.00015"
4570-3010	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ6	227.5	96	30.8	0.003/0.00015"
4570-3015	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ6	257.6	112.5	30.8	0.004/0.00015"
4570-3020	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	φ6	269.7	127.8	30.8	0.004/0.00015"

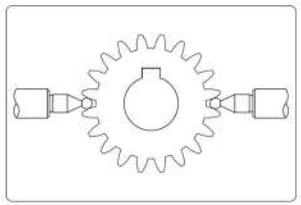
GEAR MICROMETER

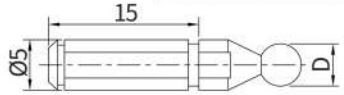
DIN 863



ANVILS

Code	Ball dia.(D)	Module	Dia. Pitch	Remark
4560-0001	sφ1.0mm	0.6-0.65	45	anvil available for both mechanical and digital
4560-0002	sφ1.5mm	0.9-1.0	28-26	
4560-0003	sφ2.0mm	1.25	22	
4560-0004	sφ2.5mm	1.5	17	
4560-0005	sφ3.0mm	1.75	15	
4560-0006	sφ3.5mm	2	13	
4560-0007	sφ4.0mm	2.25	11	
4560-0008	sφ4.5mm	2.5	10	
4560-0009	sφ5.0mm	2.75	9	
4560-0010	sφ6.0mm	3.5	7	
4560-0011	Set Including all above			





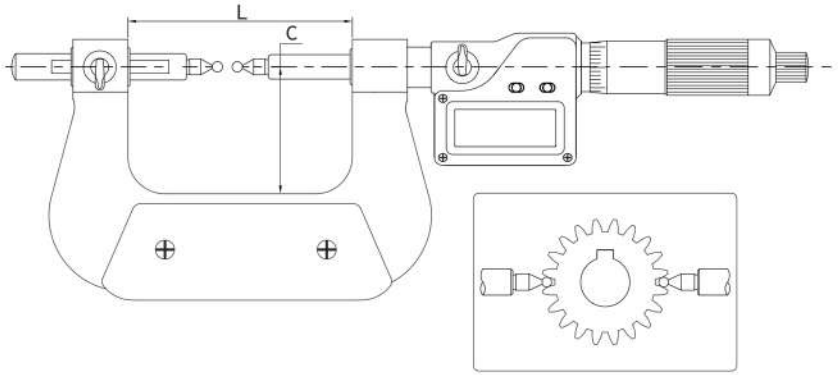
- Strictly made in accordance with DIN863
- Interchangeable ball tips for various gear modules (0.6~3.5) are optional
- With ratchet for constant measuring pressure

Unit:mm

Code	Range	Graduation	C	L	Accuracy
4550-1005	0-25	0.01	38	67	0.004
4550-1010	25-50	0.01	50	92	0.004
4550-1015	50-75	0.01	62	118	0.005
4550-1020	75-100	0.01	70	143	0.005
4550-1025	100-125	0.01	82	168	0.006
4550-1030	125-150	0.01	95	192	0.006

DIGITAL GEAR MICROMETER

IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output



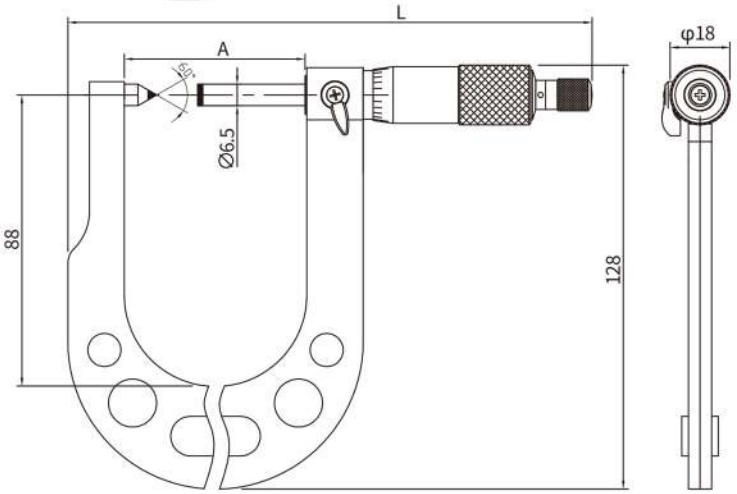
- Strictly made in accordance with DIN863
- Used to measure over-pin diameter of external gears
- Interchangeable ball tips for various gear modules (0.6~3.5) are optional.
- IP65 protection against liquid
- With ratchet for constant measuring pressure

Unit:mm

Code	Range	Resolution	C	L	Accuracy
4570-0005	0-25/0-1"	0.001/0.00005"	38	67	±0.002
4570-0010	25-50/1-2"	0.001/0.00005"	50	92	±0.002
4570-0015	50-75/2-3"	0.001/0.00005"	62	118	±0.003
4570-0020	75-100/3-4"	0.001/0.00005"	70	143	±0.003
4570-0025	100-125/4-5"	0.001/0.00005"	82	168	±0.003
4570-0030	125-150/5-6"	0.001/0.00005"	95	192	±0.003

DISK BRAKE MICROMETER

DIN 863



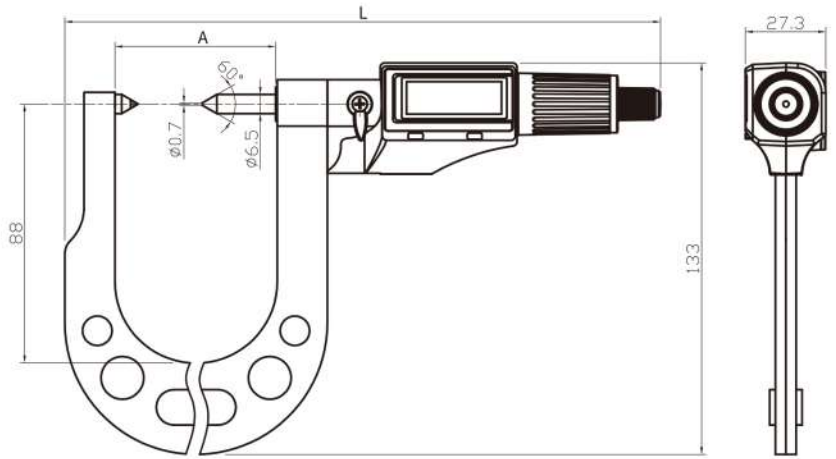
- Strictly made in accordance with DIN863
- To measure brake disc thickness in car
- With carbide measuring face
- With ratchet for constant measuring force

Unit:mm

Code	Range	Graduation	A	L	Accuracy
4521-0005	7-32	0.01	44.5	148	0.004
4521-0010	10-45	0.01	54.5	158	0.004

DIGITAL DISK BRAKE MICROMETER

mm/in Battery + CR2032



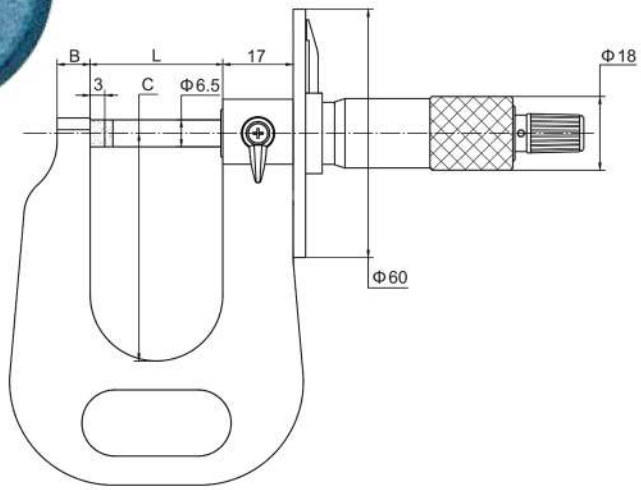
- Strictly made in accordance with DIN863
- With incremental capacity measurement system
- With carbide measurement surface
- Adapt to measuring the dimension that is not easy to measure

Unit:mm

Code	Range	Resolution	A	L	Accuracy
4520-1005	7-32/0.3-1.3"	0.001/0.00005"	44.5	192	0.004/0.0002"
4520-1010	18-43/0.7-1.7"	0.001/0.00005"	54.5	202	0.004/0.0002"

SHEET METAL MICROMETER

DIN 863



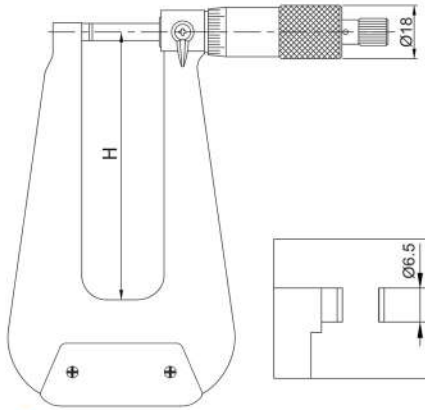
- Strictly made in accordance with DIN863
- A dial is attached to the sleeve for making easy and quick reading of sheet metal thickness
- With carbide measuring face
- With ratchet for constant measuring force

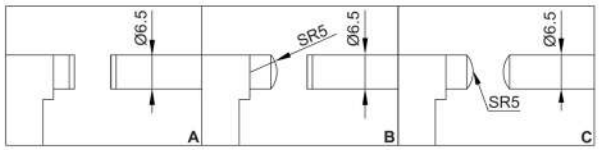
Unit:mm

Code	Range	Graduation	L	B	C	Accuracy
4731-0005	0-15	0.01	22	8	50	0.004
4731-0010	0-25	0.01	32	8	50	0.004
4731-0015	0-50	0.01	57	12	100	0.005

SHEET METAL MICROMETER

DIN 863





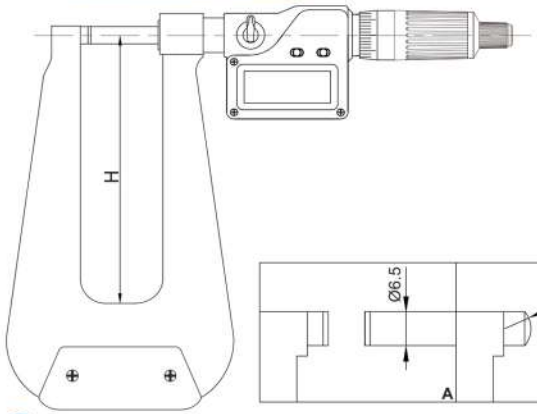
- Strictly made in accordance with DIN863
- Deep throat frame for measuring thickness of sheet metal, paper, plastic and rubber parts
- With carbide measuring face
- With ratchet for constant measuring force

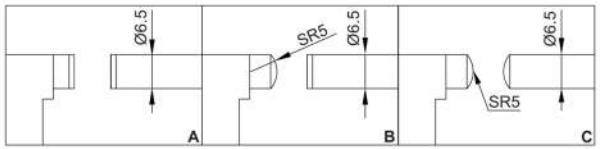
Unit:mm

Code	Range	Graduation	H	Style	Accuracy
4561-1005	0-25	0.01	150	A	0.006
4561-1010	0-25	0.01	150	B	0.006
4561-1015	0-25	0.01	150	C	0.006
4561-1020	0-25	0.01	300	B	0.007

DIGITAL SHEET METAL MICROMETER

IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output





- Strictly made in accordance with DIN863
- Deep throat frame for measuring thickness of sheet metal, paper,plastic, and rubber parts
- With carbide measuring face
- With ratchet for constant measuring pressure
- IP65 protection against liquid

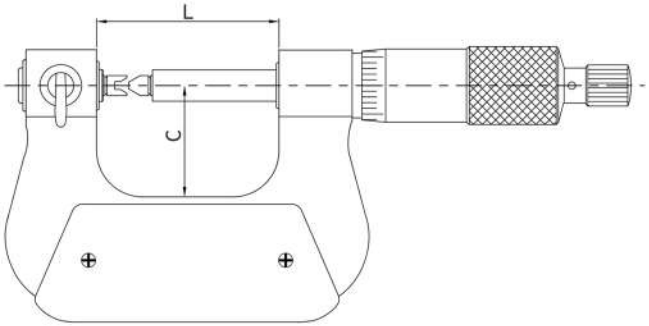
Unit:mm

Code	Range	Resolution	H	Style	Accuracy
4560-4005	0-25/0-1"	0.001/0.00005"	150	A	±0.003
4560-4010	0-25/0-1"	0.001/0.00005"	150	B	±0.003
4560-4015	0-25/0-1"	0.001/0.00005"	150	C	±0.003
4560-4020	0-25/0-1"	0.001/0.00005"	300	B	±0.004

SCREW THREAD MICROMETER

NON-ROTATING SPINDLE TYPE

DIN 863



- Strictly made in accordance with DIN863
- Used for external thread measurements
- 60°or 55° V-shaped and con-shaped anvils (interchangeable) are available
- Dimension of anvil-tail: Φ5X15mm
- With ratchet for constant measuring pressure
- Without screw thread heads, which can be found and ordered in page 68

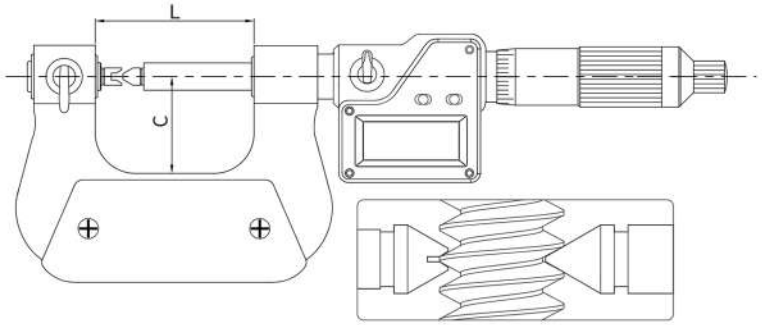
Unit:mm

Code	Range	Graduation	L	C	Accuracy
4157-4005	0-25	0.01	42	26	0.004
4157-4010	25-50	0.01	67	38	0.004
4157-4015	50-75	0.01	92	50	0.005
4157-4020	75-100	0.01	118	62	0.005

DIGITAL SCREW THREAD MICROMETER

NON-ROTATING SPINDLE TYPE

IP65 CODLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output | DIN 863



- Strictly made in accordance with DIN863
- Used for external thread measurements
- 60°or 55° V-shaped and con-shaped anvils (interchangeable) are available
- With ratchet for constant measuring pressure
- Protection level IP65
- Without screw thread heads, which can be found and ordered in page 68

Unit:mm

Code	Range	Graduation	L	C	Accuracy
4127-0005	0-25/0-1"	0.001/0.00005"	42	26	±0.002
4127-0010	25-50/1-2"	0.001/0.00005"	67	38	±0.002
4127-0015	50-75/2-3"	0.001/0.00005"	92	50	±0.002
4127-0020	75-100/4-5"	0.001/0.00005"	118	62	±0.003

TUBULAR INSIDE SCREW THREAD MICROMETER

- Operating and display units antiglare with satin chrome finish
- Measuring head and End piece with mounting bore for interchangeable anvils
- Rigid, lightweight tubular construction
- Interchangeable extensions with cylindrical gauge rods which are spring-mounted in protective sleeve for the extension of the measuring range
- Protection sleeve have a satin chrome finish
- Without screw thread heads, which can be found and ordered in page 68

Unit:mm

Code	Range	Graduation	Accuracy
4321-0001	75-100	0.01	0.03
4321-0002	100-125	0.01	0.03
4321-0003	125-150	0.01	0.03
4321-0004	150-175	0.01	0.03
4321-0005	175-200	0.01	0.04
4321-0006	200-225	0.01	0.04
4321-0007	225-250	0.01	0.04
4321-0008	250-275	0.01	0.04
4321-0009	275-300	0.01	0.05

HEAD OF SCREW THREAD MICROMETER

Unit:mm

Code	Thread type	Pitch	Remark
4560-6001	Metric 60°	0.4-0.5/64-48TPI	anvil available for: 4157-4005 4157-4010 4157-4015 4157-4020 4127-0005 4127-0010 4127-0015 4127-0020 4321-0001 4321-0002 4321-0003 4321-0004 4321-0005 4321-0006 4321-0007 4321-0008 4321-0009
4560-6002	Metric 60°	0.6-0.9/44-28TPI	
4560-6003	Metric 60°	1-1.75/24-14TPI	
4560-6004	Metric 60°	2-3/13-9TPI	
4560-6005	Metric 60°	3.5-5/8-5TPI	
4560-6006	Metric 60°	5.5-7/4.5-3.5TPI	
4560-5501	Withworth 55°	60-48TPI	
4560-5502	Withworth 55°	48-40TPI	
4560-5503	Withworth 55°	40-32TPI	
4560-5504	Withworth 55°	32-24TPI	
4560-5505	Withworth 55°	24-18TPI	
4560-5506	Withworth 55°	18-14TPI	
4560-5507	Withworth 55°	14-10TPI	
4560-5508	Withworth 55°	10-7TPI	
4560-5509	Withworth 55°	7-4.5TPI	
4560-5510	Withworth 55°	4.5-3.5TPI	

PITCH DIAMETER GAUGE

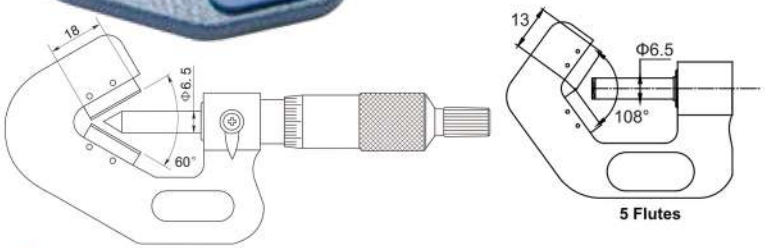
- Designed to be suspended over a test specimen; Pin gauges are the most reliable tools for measuring the pitch diameter of external thread, which is the most important dimension in a screw thread.
- A set is consisting of 3 pin gauges

Unit:mm

Code		Size	Code		Size	Code		Size
Grade 0 ± 0.00025	Grade 1 ± 0.0005		Grade 0 ± 0.00025	Grade 1 ± 0.0005		Grade 0 ± 0.00025	Grade 1 ± 0.0005	
4090-7730	4091-5510	φ0.118	4090-7747	4091-5527	φ1.008	4090-7765	4091-5545	φ3.177
4090-7731	4091-5511	φ0.142	4090-7748	4091-5528	φ1.047	4090-7766	4091-5546	φ3.287
4090-7732	4091-5512	φ0.170	4090-7749	4091-5529	φ1.157	4090-7767	4091-5547	φ3.310
4090-7733	4091-5513	φ0.185	4090-7750	4091-5530	φ1.302	4090-7768	4091-5548	φ3.550
4090-7782	4091-5562	φ0.210	4090-7751	4091-5531	φ1.411	4090-7769	4091-5549	φ3.580
4090-7734	4091-5514	φ0.232	4090-7752	4091-5532	φ1.553	4090-7770	4091-5550	φ3.666
4090-7735	4091-5515	φ0.250	4090-7753	4091-5533	φ1.591	4090-7771	4091-5551	φ4.091
4090-7736	4091-5516	φ0.260	4090-7754	4091-5534	φ1.732	4090-7772	4091-5552	φ4.120
4090-7737	4091-5517	φ0.291	4090-7755	4091-5535	φ1.833	4090-7773	4091-5553	φ4.141
4090-7738	4091-5518	φ0.343	4090-7756	4091-5536	φ2.020	4090-7774	4091-5554	φ4.211
4090-7739	4091-5519	φ0.402	4090-7757	4091-5537	φ2.050	4090-7775	4091-5555	φ4.400
4090-7740	4091-5520	φ0.433	4090-7758	4091-5538	φ2.071	4090-7776	4091-5556	φ4.773
4090-7741	4091-5521	φ0.461	4090-7759	4091-5539	φ2.217	4090-7777	4091-5557	φ5.150
4090-7742	4091-5522	φ0.511	4090-7760	4091-5540	φ2.311	4090-7778	4091-5558	φ5.176
4090-7743	4091-5523	φ0.572	4090-7761	4091-5541	φ2.595	4090-7779	4091-5559	φ5.493
4090-7744	4091-5524	φ0.724	4090-7762	4091-5542	φ2.866	4090-7780	4091-5560	φ6.212
4090-7745	4091-5525	φ0.796	4090-7763	4091-5543	φ2.886	4090-7781	4091-5561	φ6.585
4090-7746	4091-5526	φ0.866	4090-7764	4091-5544	φ3.106			

V-ANVIL MICROMETER

DIN 863



- Strictly made in accordance with DIN863
- Used to measure the outside diameter of cutting tools (such as taps, reamers, end mills) with an odd number of flutes.
- V-anvils with a centerline groove are available. They are useful for measuring pitch diameters of taps which have a small diameter by using single-wire method.
- With carbide measuring face
- Ratchet stop for constant force

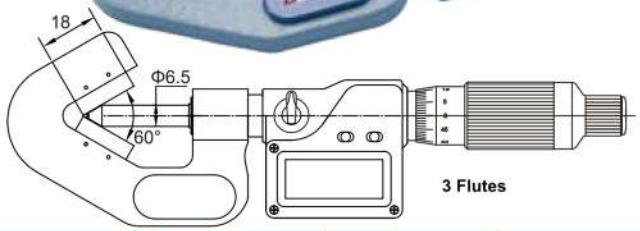
Unit:mm

Code	Range	Graduation	Ratchet stop	Accuracy
4471-0005	1-15	0.01	3 Flutes	0.004
4471-0010	5-20	0.01	3 Flutes	0.004
4471-0015	20-35	0.01	3 Flutes	0.005
4471-0020	35-50	0.01	3 Flutes	0.005
4471-0025	50-65	0.01	3 Flutes	0.006
4471-0030	65-80	0.01	3 Flutes	0.006
4471-0035	80-95	0.01	3 Flutes	0.007
4471-0040	2.3-25	0.01	3 Flutes	0.004
4471-0045	25-50	0.01	3 Flutes	0.005
4471-0050	5-25	0.01	5 Flutes	0.004
4471-0055	25-45	0.01	5 Flutes	0.005
4471-0060	45-65	0.01	5 Flutes	0.006
4471-0065	65-85	0.01	5 Flutes	0.007
4471-0070	85-105	0.01	5 Flutes	0.008

IP65 WATER PROOF DIGITAL V-ANVIL MICROMETER

- Strictly made in accordance with DIN863
- Measuring diameter of cylinder with an odd number flutes, such as taps, reamers and end mills
- With carbide measuring face
- With ratchet for constant measuring pressure
- IP65 protection against liquid

mm/in | Battery + LR44 | Data output | DIN 863 | IP65 COOLANT&FLUID RESISTANT



Unit:mm

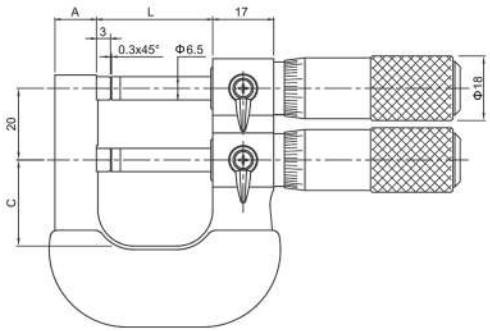
Code	Range	Resolution	Ratchet stop	Accuracy
4470-0005	1-15	0.001/0.00005"	3 Flutes	±0.002
4470-0010	5-20	0.001/0.00005"	3 Flutes	±0.002
4470-0015	20-35	0.001/0.00005"	3 Flutes	±0.003
4470-0020	35-50	0.001/0.00005"	3 Flutes	±0.003
4470-0025	50-65	0.001/0.00005"	3 Flutes	±0.003
4470-0030	65-80	0.001/0.00005"	3 Flutes	±0.003
4470-0035	80-95	0.001/0.00005"	3 Flutes	±0.004
4470-0040	2.3-25	0.001/0.00005"	3 Flutes	±0.002
4470-0045	25-50	0.001/0.00005"	3 Flutes	±0.003
4470-0050	5-25	0.001/0.00005"	5 Flutes	±0.002
4470-0055	25-45	0.001/0.00005"	5 Flutes	±0.003
4470-0060	45-65	0.001/0.00005"	5 Flutes	±0.003
4470-0065	65-85	0.001/0.00005"	5 Flutes	±0.004
4470-0070	85-105	0.001/0.00005"	5 Flutes	±0.004

LIMIT MICROMETER

- Used as a go/no-go gage by setting the upper and lower limits
- Provided with a standard bar for 25mm- 50mm model
- With carbide measuring face
- Ratchet stop for constant force

Unit:mm

Code	Range	Graduation	A	L	C	Accuracy
4920-0005	0-25	0.002	12	32	24	0.003
4920-0010	25-50	0.002	15	57	32	0.003
4920-0015	0-1"	0.0001"	12	32	24	0.00012"
4920-0020	1-2"	0.0001"	15	57	32	0.00012"



WIRE MICROMETER

Unit:mm

Code	Range	Graduation	Accuracy
4631-0005	0-10	0.01	0.004

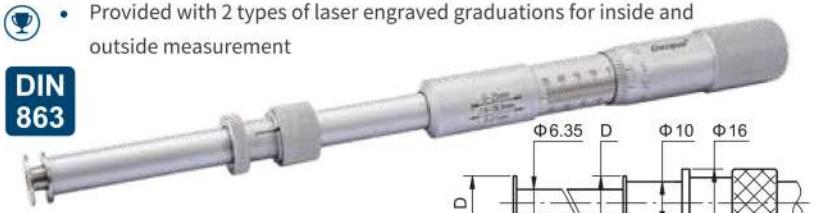
- Strictly made in accordance with DIN863
- Used to measure the diameter of wire or small ball
- With finely ground carbide face
- With ratchet for constant measuring force

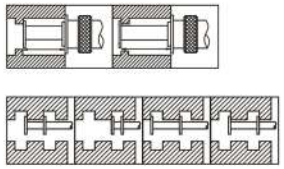
DIN 863

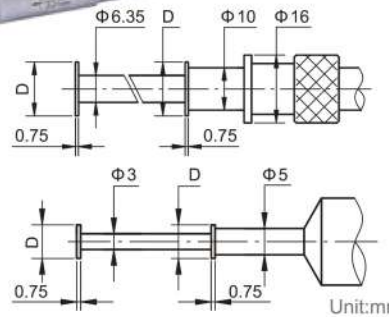
GROOVE MICROMETER

- Strictly made in accordance with DIN863
- Flanged measuring faces for measuring width, depth, and location of grooves inside bores
- With non-rotating spindle
- Provided with 2 types of laser engraved graduations for inside and outside measurement

DIN 863







Unit:mm

Code	Range	Graduation	Parallelism	D	Accuracy
4861-0005	0-25	0.01	0.01	φ6.5	0.01
4861-0010	25-50	0.01	0.01	φ13	0.01
4861-0015	50-75	0.01	0.01	φ13	0.01
4861-0020	75-100	0.01	0.01	φ13	0.01