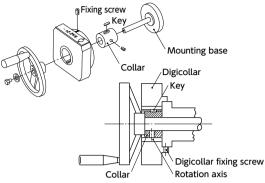
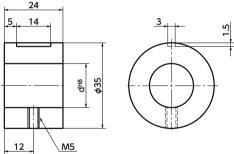


Mounting



- 1) Process the mounting base in accordance with the mounting-pilot section of the main body (ϕ 820 to +0.054) (Recommended dimension: ϕ 82f7).
- ②Process the collar to match the shaft diameter. Bore diameter collar **RNCL-R** (optional) is available.
- 3) After mounting the shaft to the collar, set-in the main body to the mounting base, and then secure it with fixing screws.
- RNCL-R Bore diameter collar (optional)



Material/Finish

• Material/Tillisii	RoHS Compliant
	RNCL-R
Main body	SUM22L Ferrosoferric Oxide Film (Black)

	Unit:mn
d	Mass (g)
18	136
20	125
22	112
24	98
25	90
26	83
	18 20 22 24 25

- With hex socket set screw without key.
- Use the key provided with the main body of the Digicollar.



- Measuring unit Correct digital display of the feed rate is possible by just setting it to the feed rotation axis.
- Preset function to set the current value to the home position is provided.
- The custom decimal point position can be set (range from 1 to 0.0001 mm).
- It can be applied to any lead value by setting the parameter.

It can be converted to millimeter or inch.

- A nonvolatile memory stores the count value / the parameter setting values for 10 years.
- 100 V AC (50 / 60 Hz) supported.
- Dust-proof structure is provided, however, it is not protected from water / oil.

Front: IP62 Back: IP50

- Bore diameter of the attached collar is ϕ 9 mm. Shaft hole processing can be performed upon the order. Please feel free to contact our customer service.
- Bore diameter collar whose shaft hole is already processed **RNCL-R** (optional) is available.

• Part number specification



Main body of Digicollar

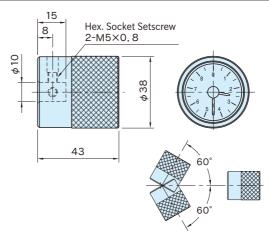


Bore diameter collar (optional)



DIAL INDICATOR KNURLED KNOBS





Angular Range of Mounting

Knob	Window	Dial	Long Hand	Short Hand
Aluminum	Acrylic plastic	Aluminum (A1050P)	Red (printed on acrylic window)	Red

Part Number	No. of Graduations	Rotative Direction	Weight (g)
D38R1/9	0	Clockwise	100
D38L1/9	9	Counterclockwise	100

Display Examples



Rotative Direction: Clockwise Graduations: 9 Part Number: D38R1/9



Rotative Direction: Counterclockwise Graduations: 9 Part Number: D38L1/9 Display after 3-1/2 clockwise revolutions Display after 7 counterclockwise revolutions

- ·The two-hands feature allows precisely reading the number of revolutions.
- ·Working temperature ranges from -20° C to 60° C. The plastic window can be blurred with steam that will be caused by a big difference in working temperatures.
- ·Ensure Dial Indicator Knurled Knobs are completely kept away from water and dust.

Technical Information

For detailed installation instructions, see page of

"IMAQINDICATOR HANDWHEELS & INDICATOR KNOBS".



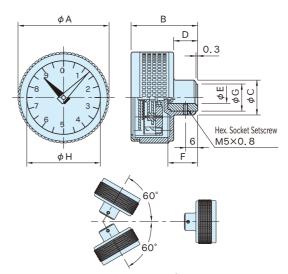
DGK

PLASTIC INDICATOR KNURLED KNOBS



Original ELESA Model MBT-GA





Angular Range of Mounting

Housing	Hub	Dial Plate	Long Hand	Short Hand
Glass-fiber reinforced polyamide plastic Black matte	Steel (SUM22L) Black oxide finish	Aluminum (A1050P)	Red	Black

	Part Number			Α	В		_	Е	_	G	П	Weight
No. of Graduations :10	No. of Graduations : 20	No. of Graduations : 30	Direction	A	Ь			(H7)	Г	G	П	Weight (g)
DGK50R-1/10	DGK50R-1/20	DGK50R-1/30	Clockwise	51	48	24	16.5	0	17	10	42	120
DGK50L-1/10	DGK50L-1/20	DGK50L-1/30	Counterclockwise	וכ	40	24	10.5	0	17	10	42	120
DGK70R-1/10	DGK70R-1/20	DGK70R-1/30	Clockwise	70	52	28	19	10	22	00	60	200
DGK70L-1/10	DGK70L-1/20	DGK70L-1/30	Counterclockwise	70	52	28	19	10	22	22	00	200

^{·&}quot;R" and "L" at the end of the part number stands for "Clockwise" and "Counterclockwise" respectively.

Technical Information

For detailed installation instructions, see page of

[·]Working temperature : Between 0°C and 100°C

[·]Comes with a PD Plastic Dial Indicator.

[&]quot;ELESA INDICATOR HANDWHEELS & INDICATOR KNOBS".



DHK

ALUMINUM LOBE INDICATOR KNOBS

R⊕\S



φ A

Hex. Socket Setscrew

φ H

Δ5 × O. 8

2-M5 × O. 8

φ D

φ C

60°

Note: Dial Indicator must be ordered separately.

Angular Range of Mounting

Knob
Aluminum alloy(ADC12)
Baked finish
Silver gray

Part Number	А	В	С	D	Е	F	G	Н	J (H8)	К	Weight (g)
DHK 80	79	47	64	35	20	15	19	55	8	0	330
DHK100	99	53	86	38	25	15	21	75.7	10	0	530

Proper Dial Indicators

Handwheels	Dial Indicators						
Halluwheels	D50R/L/C	D75R/L/C					
DHK 80	0	×					
DHK100	×	0					

·Center Caps are available for applications without a indicator

Technical Information

For detailed installation instructions, see page of "IMAOINDICATOR HANDWHEELS & INDICATOR KNOBS".

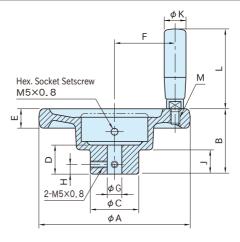


DHW

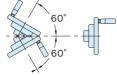
ALUMINUM SOLID INDICATOR HANDWHEELS







Note: Dial Indicator must be ordered separately.



Angular Range of Mounting

Handwheel	Handle
Aluminum alloy(ADC12) Baked finish	Polyamide plastic
Silver gray	Black

Part Number	Α	В	С	D	Е	F	G (H8)	Н	J	К	L	М	Weight (g)	
DHW125ER	122	54	40	24		50	10	0	20	18	10	66	M 0V10E	530
DHW140ER	139	55	40	24	16	56	12	12 8	19		00	M 8×1.25	650	
DHW160ER	159	58	45	28		63	14	10	23	22	85	M10×1.5	810	

- \cdot Comes with an **ER-S** revolving handle
- ·Center Caps are available for applications without a indicator

Technical Information

For detailed installation instructions, see page of

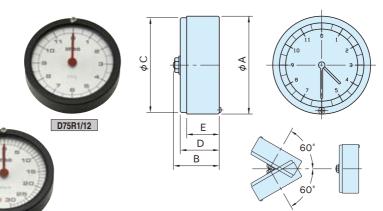
"IMAOINDICATOR HANDWHEELS & INDICATOR KNOBS".

Proper Dial Indicators

Handwheels	Dial Inc	dicators
nandwheels	D50R/L/C	D75R/L/C
DHW125ER	0	×
DHW140ER	×	0
DHW160ER	×	0



D-R / D-L / D-C | DIAL INDICATORS



D75C30-30

Housing	Window	Dial Plate	Long Hand	Short Hand
Steel Black matte		Aluminum (A1050P)	Red (printed on acrylic window)	Black

	F	art Numbe	er		Rotative	٨	В		D	Е	Weight
No. of Graduations :12	No. of Graduations : 25	No. of Graduations : 30	No. of Graduations : 36	No. of Graduations : 64	Direction A		Ь	C	D		(g)
D50R1/12	D50R1/25	-	-	-	Clockwise						
D50L1/12	D50L1/25	-	-	-	Counterclockwise	53.9 25		52.2	21.5	20	75
D50C12-12	-	-	-	-	CW & CCW						
D75R1/12	D75R1/25	-	D75R1/36	D75R1/64	Clockwise						
D75L1/12	D75L1/25	-	D75L1/36	D75L1/64	Counterclockwise	75.3	25	73.5	22	18	135
-	-	D75C30-30	-	-	CW & CCW						

Display Examples



Type: Clockwise Graduations: 12 Part No.: D75R1/12



Type: Counterclockwise Type: CW & CCW Graduations: 25 Part No.: D75L1/25

Graduations: 12 Part No.: D50C12-12 Display after 4-1/2 revolution Display after 20 revolutions Display after 4-1/2 clockwise revolutions

Technical Information

Angular Range of Mounting

For detailed installation instructions, see page of "IMAO INDICATOR HANDWHEELS & INDICATOR KNOBS".

- ·Allowable revolution speed: 300 min-1
- •These indicators can mount onto **DHW** Indicator Handwheels, **DHK** Indicator Knobs, or **DRK** Knurled Indicator Knobs.
- •The two-hands feature allows precisely reading the number of revolutions.
- ·Working temperatures range from -20°C to 60°C.

The plastic window can be blurred with some steam caused by a big difference in working temperatures.

·Ensure that these indicators are completely kept away from water and dust.

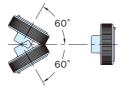


DRK

ALUMINUM KNURLED INDICATOR KNOBS

R⊕\S





Note: Dial Indicator must be ordered separately.

Angular Range of Mounting

Knob
Aluminum alloy(ADC12) Baked finish
Silver gray

Part Number	А	В	С	D	E	F	G	H (H8)	J	Weight (g)
DRK65	65	43.5	35	19	27	15	55	8	0	280
DRK90	90	51	38	24	28	20	75.7	10	0	450

Proper Dial Indicators

Handwheels	Dial Inc	Dial Indicators						
Handwheels	D50R/L/C	D75R/L/C						
DRK65	0	×						
DRK90	×	0						

·Center Caps are available for applications without a indicator

Technical Information

For detailed installation instructions, see page of

"MAOINDICATOR HANDWHEELS & INDICATOR KNOBS".



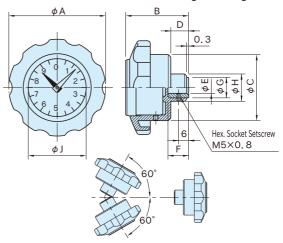
DTK

PLASTIC INDICATOR LOBE KNOBS









Angular Range of Mounting

Knob	Insert	Dial Plate	Long Hand	Short Hand
Glass-fiber reinforced polyamide plastic Black matte	Steel (SUM22L) Black oxide finish	Aluminum (A1050P)	Red	Black

Part Number		Rotative	Α	В	_	D	Е	F	G	П	_	Weight	
No.of Graduations: 10	No.of Graduations : 20	No.of Graduations : 30	Direction	^	Ь	C		(H7)	'	G	'''	J	(g)
DTK 85R-1/10	DTK 85R-1/20	DTK 85R-1/30	Clockwise	0.5	E 4	F0	15.5	10	17	18	24	42	110
DTK 85L-1/10	DTK 85L-1/20	DTK 85L-1/30	Counterclockwise	85 54		58	15.5	10	17	10	24	42	110
DTK110R-1/10	DTK110R-1/20	DTK110R-1/30	Clockwise	110	co	77	00	12	22	22	28	-	180
DTK110L-1/10	DTK110L-1/20	DTK110L-1/30	Counterclockwise	110	63	//	20	12	22	22	28	60	100

- · Comes with a PD Plastic Dial Indicator.
- · Working temperature : Between 0°C and 100°C

Plastic Dial Indicators Used

Knob	Indicator	No.of Graduations
DTK 85	PD50R/L	10 00 00 00
DTK110	PD70R/L	10、 20、or 30

Technical Information

For detailed installation instructions, see page of

"ELESA INDICATOR HANDWHEELS & INDICATOR KNOBS".



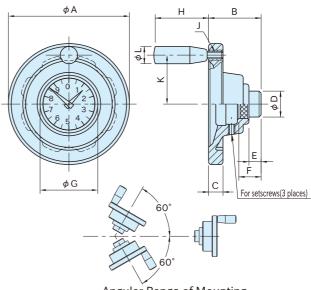
PDH

PLASTIC INDICATOR HANDWHEELS



ELESA Original Design VDC+I





Angular Range of Mounting

Handwheel & Handle	Insert	Indicator	Dial Plate	Long Hand	Short Hand
Phenolic plastic Glossy Finish Black	Steel (SUM22L) Black oxide finish	Polyamide plastic Black matte	Aluminum (A1050P)	Red	Black

Size	Э	А	В	С	D	E	F	G	Н	J	K	L	Weight (g)
	80	87	57	14	25	11	23	42	40	M6×1	34	18	255
DDH	100	108	60	14	30	12	25		50	IVIO^I	45	21	390
PDH	125	125	61	16	30	12	25	60	65	MOV4 OF	53	23	475
	160	160	72	18	35	15	30		80	M8×1.25	68	26	775

Size				Rotative	
Size		No. of Graduations : 10	No. of Graduations : 20	No. of Graduations : 30	Direction
	80	PDH 80R-1/10	PDH 80R-1/20	PDH 80R-1/30	Clockwise
	00	PDH 80L-1/10	PDH 80L-1/20	PDH 80L-1/30	Counterclockwise
	100	PDH100R-1/10	PDH100R-1/20	PDH100R-1/30	Clockwise
PDH	100	PDH100L-1/10	PDH100L-1/20	PDH100L-1/30	Counterclockwise
РИП	125	PDH125R-1/10	PDH125R-1/20	PDH125R-1/30	Clockwise
	125	PDH125L-1/10	PDH125L-1/20	PDH125L-1/30	Counterclockwise
	160	PDH160R-1/10	PDH160R-1/20	PDH160R-1/30	Clockwise
	100	PDH160L-1/10	PDH160L-1/20	PDH160L-1/30	Counterclockwise

DIGITAL POSITION INDICATORS

R⊕¦S

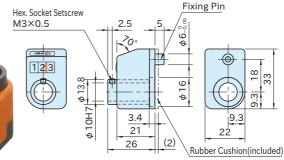




(Style H)



(Style V)



Note: The flat-end fixing pin can not work to mark a fixing point.

SDP-02F

(Style F)

Polyamide (nylon 6) plastic) Orange

Housing

Features

- ·Lightweight and extra-compact.
- ·Shaft-hole diameter:10mm
- ·Displayed figure height: 4mm

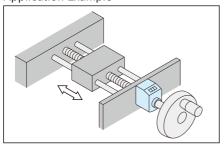
Furnished With

Rubber Cushion

How To Use

- 1 Stick the rubber cushion to the back of the indicator.
- 2 Drill a fixing-pin hole in the mounting wall, 18mm above the shaft center.
- 3 Slide the indicator onto the shaft to the mounting wall and then tighten the setscrew.

Application Example



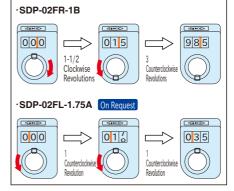
Notes

- •Ensure that the start-up revolution speed is 1/3 or less of the allowable revolution speed.
- ·Do not give rapid acceleration or sudden stop.
- ·These position indicators can not be used in applications where the shaft moves in the axial direction.

Technical Information

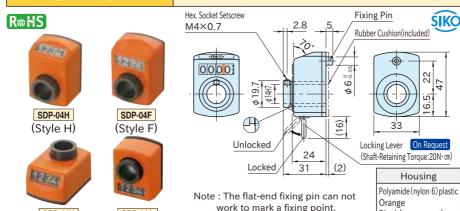
Working temperature: Up to 80°C

Display Example



SDP-04

DIGITAL POSITION INDICATORS



Features

SDP-04V

(Style V)

- · Lightweight and compact
- · Using a shaft sleeve allows accepting a shaft of 6mm, 8mm, 10mm or 12mm diameter.

SDP-04A

(Style A)

- · The locking lever(on request) prevents the shaft from rotating due to vibrations from the machine (SKP-04 SKPZN04 Clamp Plates can also be used for the same purpose).
- · Displayed figure height: 6mm

Furnished With

·Comes with a rubber cushion

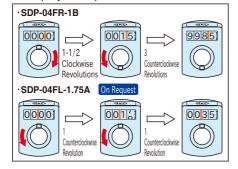
Technical Information

Working temperature: Up to 80°C

How To Use

- 1 Stick the rubber cushion to the back of the indicator. Do not stick it when using the housing seal.
- 2 Drill a fixing-pin hole in the mounting wall, 22mm above the shaft center.
- 3 Slide the indicator onto the shaft to the mounting wall and then tighten the setscrew.

■Display Example



Notes

Ensure that the start-up revolution speed is 1/3 or less of the allowable revolution speed.

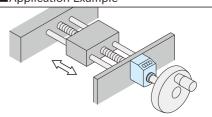
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2 Ġ.

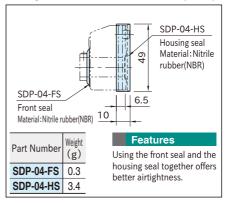
Black(on request) Gray (on request)

- Do not give rapid acceleration or sudden stop.
- These position indicators can not be used in applications where the shaft moves in the axial direction.
- · The rubber cushion and the housing seal SDP-04-HS can not be used together.

■Application Example



Housing seal & Front seal (to be ordered separately)



Туре	Spindle	· ,	After 1st Revolution	Allowable Revolution Speed	Weight	Shaft Sleeve
Турс	Thread Pitch	Indication	Display	(min ⁻¹)	(g)	(To be ordered separately)
	0.5	0.50	00050	300		
	1	1.00	00100	150		a a
	1	1.0	00010			ig and a
	1.5	1.5	00015			Shaff
	2 2.0 0002	00020	500			
	2.5	2.5	00025			Part Number d
SDP-09	3	3.0	00030		100*)	STS-12 12 STS-14 14
	4	4.0	00040	375		STS-14 14 STS-15 15
	5	5.0	00050	300		STS-16 16
	6	6.0	00060	250		STS-12-SUS 12
	8	8.0	00080	180		STS-14-SUS 14
	10	10.0	00100	150		STS-15-SUS 15
	Other Lead	s of Screw Ava	ilable on Request	_		STS-16-SUS 16
	1			*) 145 f	or housing type M
Ordering E	xample					

SDP-09 H 1.0 N S

> Shaft Sleeve Housing Color Style Rotative Direction Value Displayed After 1st Revolution











(Stainless steel) On Request



DIGITAL POSITION INDICATORS

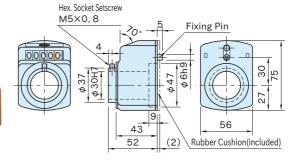
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SDP-10H (Style H)





Note: The flat-end fixing pin can not work to mark a fixing point.



(Style F)

Housing

Polyamide (nylon 6) plastic Orange Black (on request)

Features

- · Using a shaft sleeve allows accepting a shaft of 12mm, 14mm, 15mm, 16mm, 18mm, 20mm, 22mm or 25mm diameter.
- ·Lightweight
- ·Displayed figure height: 7mm

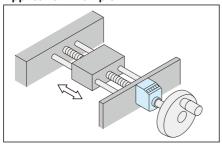
Furnished With

Rubber cushion

How To Use

- 1 Stick the rubber cushion to the back of the indicator.
- 2 Drill a fixing-pin hole in the mounting wall, 30mm above the shaft center.
- 3 Slide the indicator onto the shaft to the mounting wall and then tighten the setscrew.

Application Example



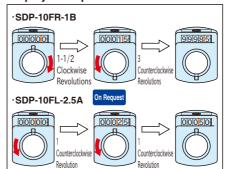
Notes

- •Ensure that the start-up revolution speed is 1/3 or lessof the allowable revolution speed.
- •Do not give rapid acceleration or sudden stop.
- •These position indicators can not be used in applications where the shaft moves in the axial direction.

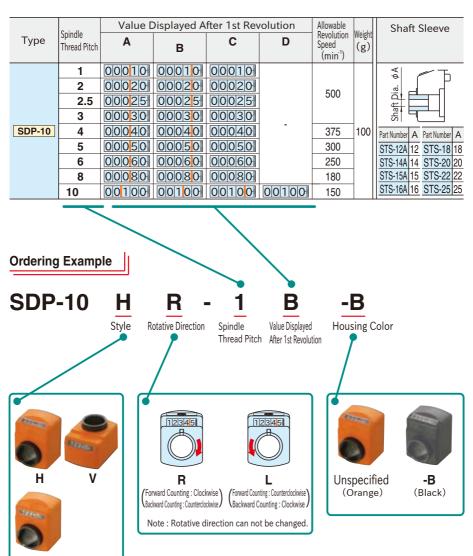
Technical Information

Working temperature: Up to 80°C

Display Example







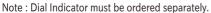
SHKP

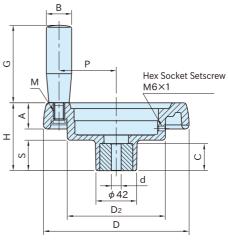
PLASTIC INDICATOR HANDWHEELS

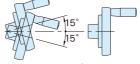
R⊕₩S











Angular Range of Mounting

Handwheel	Insert	Handle
Popyamide plastic(6 Nylon) Black		Phenolic plastic Black

Part Number	D	Н	А	Prepared Hole	Max.	С	D ₂	S	В	G	М	Р	Weight (g)
SHKP13	130	66	24	7	26	24	98	28.5	23	65	M 8×1.25	54	425
SHKP15	150	70	27			28	101	31.5	26	80	M10×1.5	59	528

Features

Comes with an **RG** revolving handle.

Technical Information

How To Use

For detailed usages, see page of "ALUMINUM INDICATOR HANDWHEELS".

Reference

· SZ DIGITAL DIAL INDICATORS