Control Knobs for Panel Potentiometers



FEATURES

RoHS COMPLIANT

- Large knob diameter range
- Designed to provide good grip for bare hands or gloves
- With lateral screw fixing
- Plastic or aluminum material
- Custom metallic knob on request
  (shape, marking, color, and hole for shaft diameter)
- Phosphorescent marking on request
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

LINKS TO ADDITIONAL RESOURCES

3D Models Infographics

Control knobs suited for panel potentiometers, encoders and rotary switches. Whether the user wears gloves or operates with bare hands, the knob's haptic structure and pleasant grip surface reliably apply the necessary torque to the potentiometer shaft across all application situations.

CONTROL KNOB INDEX

	PLASTIC CONTROL KNOBS	METALLIC CONTROL KNOBS
ROUND RANGE	 Page 2	 Page 8
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SKIRTED RANGE	 Page 4	 Page 13

For "Quick Search / Available Series" table see page 16

For technical questions, contact: sferpottrimmers@vishay.com

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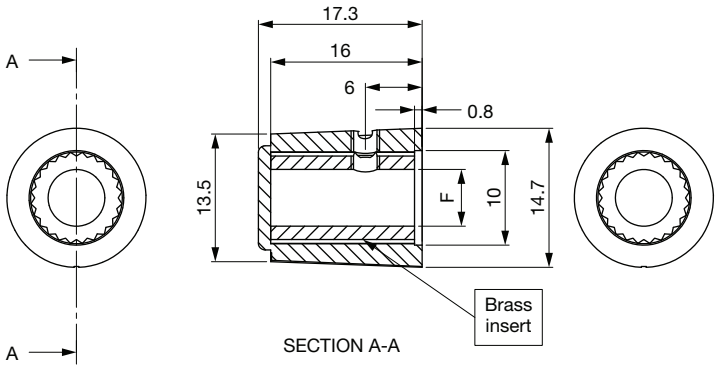
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PLASTIC CONTROL KNOBS - ROUND RANGE

SERIES



PR1417NLS



SPECIFICATION

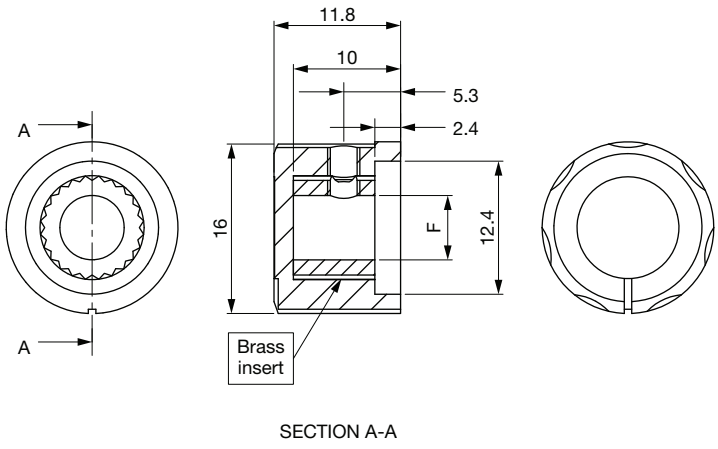
- Material: plastic (ABS)
- Product color: black
- Indicator: white line on side
- With lateral screw fixing

PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKPR1417NLS18	1/8" (3.175)	M3 hex tool
ACCKPR1417NLS14	1/4" (6.35)	
ACCKPR1417NLS3	3	
ACCKPR1417NLS6	6	

SERIES



IR1612NLP



SPECIFICATION

- Material: plastic (ABS) with aluminum top inlay
- Product color: black
- Indicator: white line on side and top
- With lateral screw fixing

PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKIR1612NLP18	1/8" (3.175)	Slotted tool
ACCKIR1612NLP14	1/4" (6.35)	
ACCKIR1612NLP3	3	
ACCKIR1612NLP6	6	

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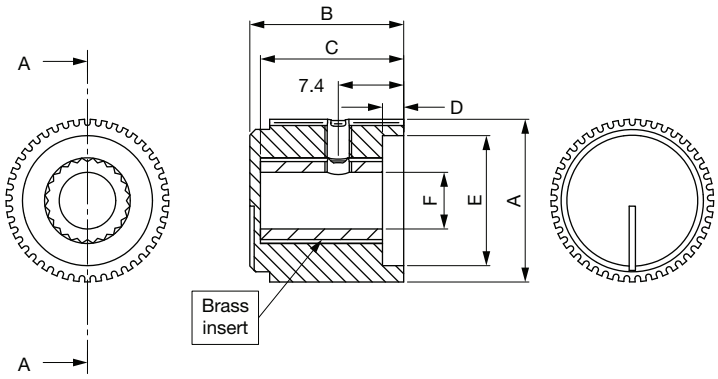
SERIES



PR1817NLT



PR1417NLT



SECTION A-A

SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters						TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	
ACCKPR1817NLT18	1/8" (3.175)	18.4	17.4	16.2	2.4	14.7	Slotted tool
ACCKPR1817NLT14	1/4" (6.35)						
ACCKPR1817NLT3	3						
ACCKPR1817NLT6	6						
ACCKPR1417T18	1/8" (3.175)	13.8	16.6	14.6	0	9.5	Slotted tool
ACCKPR1417NLT14	1/4" (6.35)						
ACCKPR1417T3	3						
ACCKPR1417NLT6	6						

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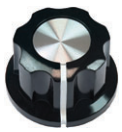
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PLASTIC CONTROL KNOBS - SKIRTED RANGE

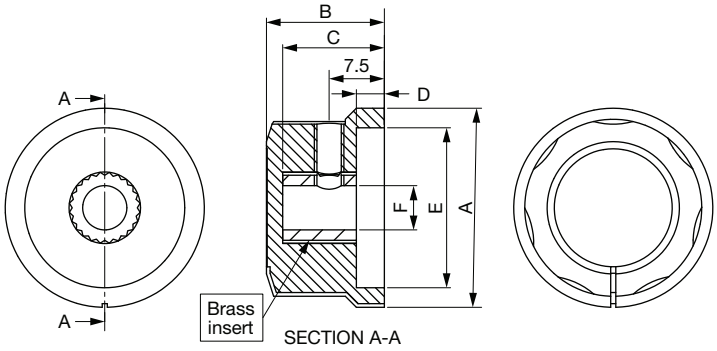
SERIES



IS2716NLD



IS2012NLD



SPECIFICATION

- Material: plastic (ABS) with aluminum top inlay
- Product color: black
- Indicator: white line on side, top, and skirt
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters						TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	
ACCKIS2716NLD18	1/8" (3.175)	27	16	13.8	3.8	21.7	Slotted tool
ACCKIS2716NLD14	1/4" (6.35)						
ACCKIS2716NLD6	6						
ACCKIS2012NLD18	1/8" (3.175)	20	12	10	1.8	13.8	Slotted tool
ACCKIS2012NLD14	1/4" (6.35)						
ACCKIS2012NLD3	3						
ACCKIS2012NLD6	6						

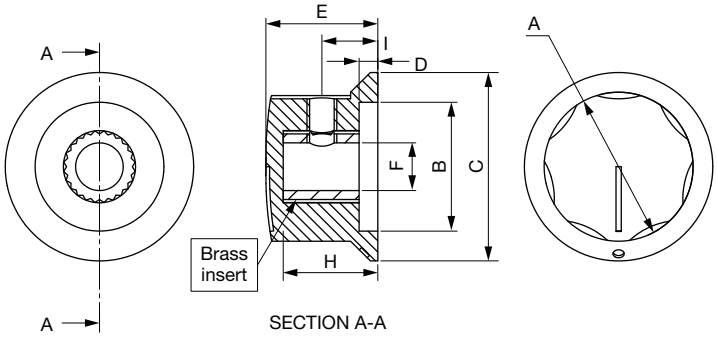
SERIES



PS2015NLR



PS1412NLR



SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top, and skirt
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters								TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	H	I	
ACCKPS2015NLR18	1/8" (3.175)	20	17.3	25.3	1.5	15	12.7	7	Slotted tool
ACCKPS2015NLR14	1/4" (6.35)								
ACCKPS2015NLR3	3								
ACCKPS2015NLR6	6								
ACCKPS1412NLR18	1/8" (3.175)	14.3	13.8	19	2.5	12.3	10	5.5	Slotted tool
ACCKPS1412NLR14	1/4" (6.35)								
ACCKPS1412NLR3	3								
ACCKPS1412NLR6	6								

For technical questions, contact: sferpottrimmers@vishay.com

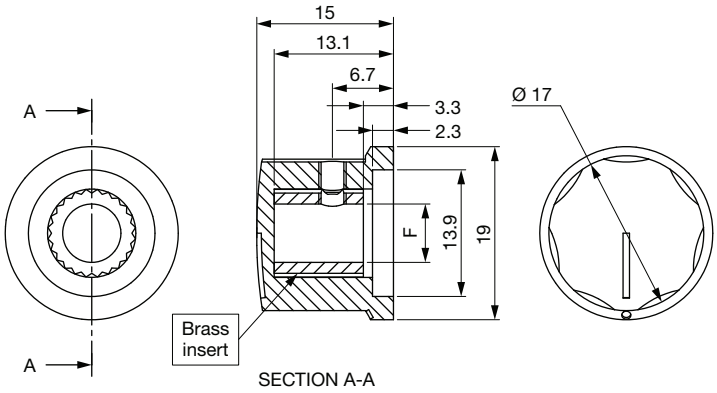
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SERIES



PS1715NLT



SPECIFICATION

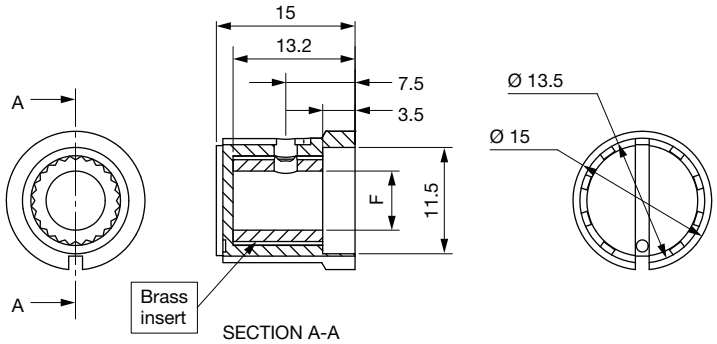
- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top and dot on skirt
- With lateral screw fixing

PART NUMBER	SHAFT DIAM. “F”	TOOL FOR LATERAL SCREW FIXING
ACCKPS1715NLT18	1/8" (3.175)	Slotted tool
ACCKPS1715NLT14	1/4" (6.35)	
ACCKPS1715NLT3	3	
ACCKPS1715NLT6	6	

SERIES



PS1515NDT



SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white dot on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters						TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. “F”	A	B	C	D	E	
ACCKPS1515NDT18	1/8" (3.175)	15	15	13.2	7.5	11.5	Slotted tool
ACCKPS1515NDT14	1/4" (6.35)						
ACCKPS1515NDT3	3						
ACCKPS1515NDT6	6						

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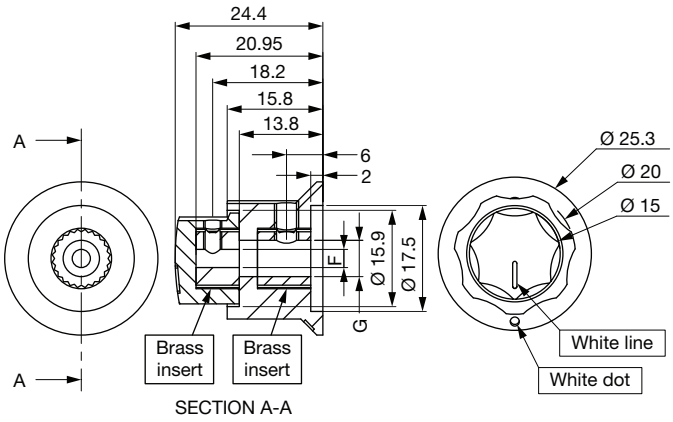
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SERIES



PS2024NLR



SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top and skirt
- With lateral screw fixing

PART NUMBER (DUAL ASSEMBLY)	TOOL FOR LATERAL SCREW FIXING (DUAL ASSEMBLY)	KNOB TYPE (SINGLE KNOBS)	PART NUMBER (SINGLE KNOBS)	DIMENSIONS in millimeters		TOOL FOR LATERAL SCREW FIXING (SINGLE KNOBS)
				SHAFT DIAM. "F"	SHAFT DIAM. "G"	
ACCKPS2024NLRDV	M3 + M4 hex tool	Bottom	**ACCK**PS2016NLKBV	-	6	M4 hex tool
		Top	**ACCK**PS1511NLT3	3	-	M3 hex tool
ACCKPS2024NLRDF		Bottom	**ACCK**PS2016NLKBF	-	6.35	M4 hex tool
		Top	**ACCK**PS1511NLT18	3.17	-	M3 hex tool

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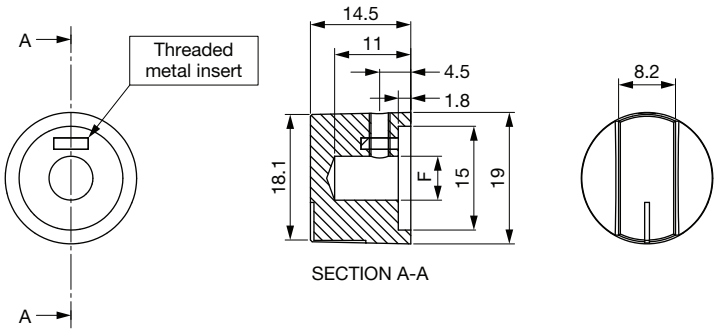
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PLASTIC CONTROL KNOBS - POINTER RANGE

SERIES



PP1915NLP



SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top and side
- With lateral screw fixing

PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKPP1915NLP18	1/8" (3.175)	Slotted tool
ACCKPP1915NLP14	1/4" (6.35)	
ACCKPP1915NLP3	3	
ACCKPP1915NLP6	6	

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METALLIC CONTROL KNOBS - ROUND RANGE

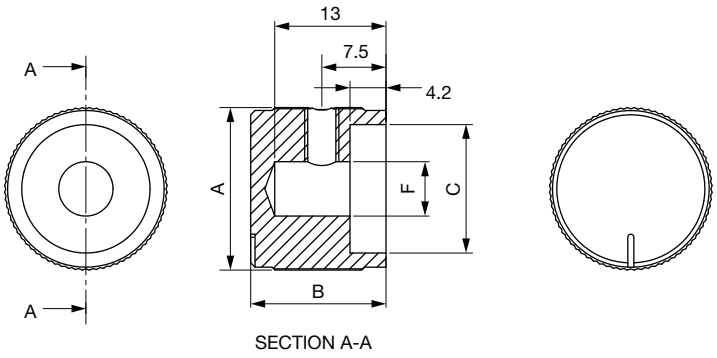
SERIES



MR1316NLT



MR1916NLT



SECTION A-A

SPECIFICATION

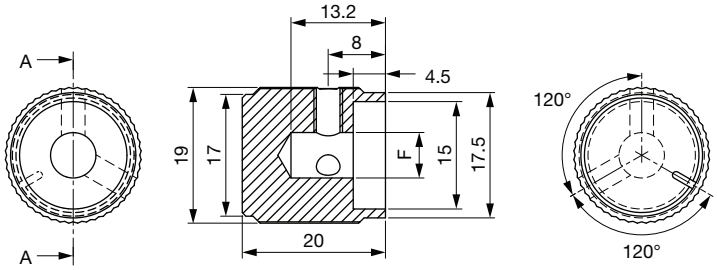
- Material: aluminum
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters				TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	
ACCKMR1316NLT18	1/8" (3.175)	12.8	15.8	9.5	M4 hex tool
ACCKMR1316NLT14	1/4" (6.35)				
ACCKMR1316NLT3	3				
ACCKMR1316NLT6	6				
ACCKMR1916NLT18	1/8" (3.175)	19	15.8	15	M4 hex tool
ACCKMR1916NLT14	1/4" (6.35)				
ACCKMR1916NLT3	3				
ACCKMR1916NLT6	6				

SERIES



MR1920NLT



SECTION A-A

SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMR1920NLT18	1/8" (3.175)	M4 hex tool
ACCKMR1920NLT14	1/4" (6.35)	
ACCKMR1920NLT3	3	
ACCKMR1920NLT6	6	

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MR1617NLT



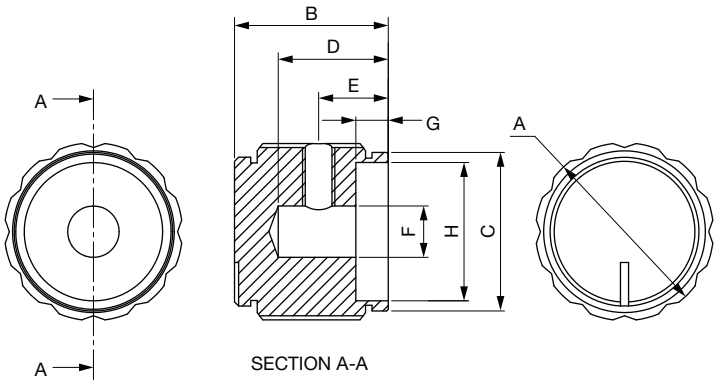
MR2020NLT



MR2219NLT



MR3022NLT



SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters								TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	G	H	
ACCKMR1617NLT18	1/8" (3.175)	15.5	16.5	13.5	14.5	8.4	4.5	11	M4 hex tool
ACCKMR1617NLT14	1/4" (6.35)								
ACCKMR1617NLT3	3								
ACCKMR1617NLT6	6								
ACCKMR2020NLT18	1/8" (3.175)	20	19.5	17.5	15	9.1	5.5	15	M4 hex tool
ACCKMR2020NLT14	1/4" (6.35)								
ACCKMR2020NLT3	3								
ACCKMR2020NLT6	6								
ACCKMR2219NLT18	1/8" (3.175)	22	19	19.6	13.6	8.6	4	15	M4 hex tool
ACCKMR2219NLT14	1/4" (6.35)								
ACCKMR2219NLT3	3								
ACCKMR2219NLT6	6								
ACCKMR3022NLT14	1/4" (6.35)	29.7	22	28	11.6	8	4.2	25	M4 hex tool
ACCKMR3022NLT6	6								

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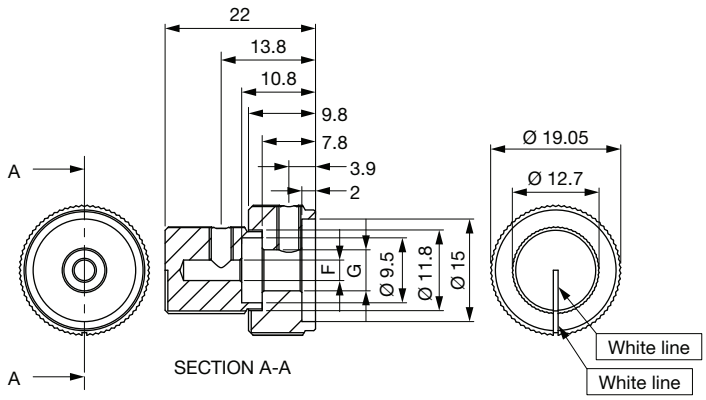
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SERIES



MR1922NLP



SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on top and side
- With lateral screw fixing

PART NUMBER (DUAL ASSEMBLY)	TOOL FOR LATERAL SCREW FIXING (DUAL ASSEMBLY)	KNOB TYPE (SINGLE KNOBS)	PART NUMBER (SINGLE KNOBS)	DIMENSIONS in millimeters		TOOL FOR LATERAL SCREW FIXING (SINGLE KNOBS)
				SHAFT DIAM. "F"	SHAFT DIAM. "G"	
ACCKMR1922NLPDA	6-32 hex tool	Bottom	**ACCK**MR1910NLPBA	-	3.17	6-32 hex tool
		Top	**ACCK**MR1314NLP07	1.8	-	
ACCKMR1922NLPDV	6-32 hex tool	Bottom	**ACCK**MR1910NLPBV	-	6	6-32 hex tool
		Top	**ACCK**MR1314NLP3	3	-	
ACCKMR1922NLPDF	6-32 hex tool	Bottom	**ACCK**MR1910NLPBF	-	6.35	6-32 hex tool
		Top	**ACCK**MR1314NLP18	3.17	-	

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METALLIC CONTROL KNOBS - POINTER RANGE

SERIES



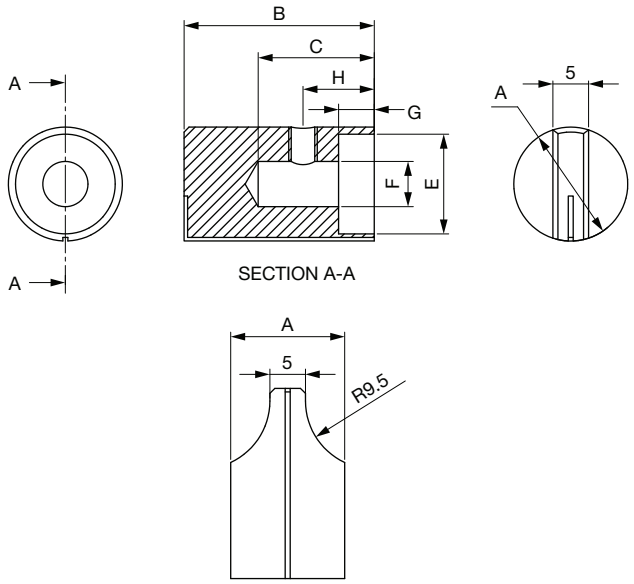
MP1325NLP



MP1627NLP



MP1925NLP



SPECIFICATION

- Material: aluminum
- Product color: black

PART NUMBER	DIMENSIONS in millimeters							TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	E	G	H	
ACCKMP1325NLP18	1/8" (3.175)	12.7	25.4	13	9.5	4.5	7.5	6-32 hex tool
ACCKMP1325NLP14	1/4" (6.35)							
ACCKMP1325NLP3	3							
ACCKMP1325NLP6	6							
ACCKMP1627NLP18	1/8" (3.175)	16	26.7	16.3	14.1	5	10.5	6-32 hex tool
ACCKMP1627NLP14	1/4" (6.35)							
ACCKMP1627NLP3	3							
ACCKMP1627NLP6	6							
ACCKMP1925NLP18	1/8" (3.175)	19	25.4	13	15	4.5	7.5	6-32 hex tool
ACCKMP1925NLP14	1/4" (6.35)							
ACCKMP1925NLP3	3							
ACCKMP1925NLP6	6							

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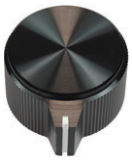
SERIES



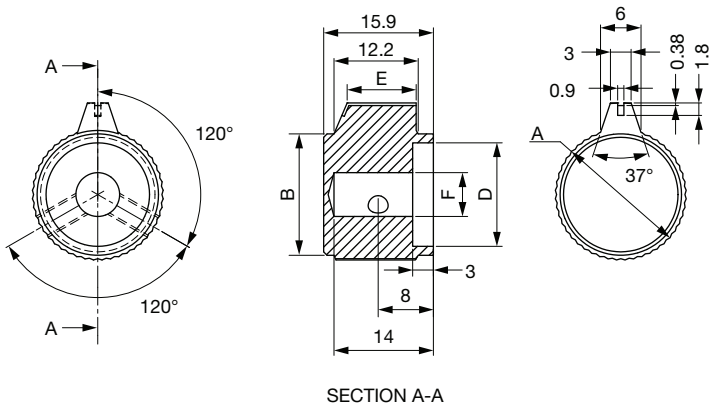
MP1316NLS



MP1916NLS



MP2416NLS



SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on side
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters					TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	D	E	
ACCKMP1316NLS18	1/8" (3.175)	12.7	11.3	9.5	9	6-32 hex tool
ACCKMP1316NLS14	1/4" (6.35)					
ACCKMP1316NLS3	3					
ACCKMP1316NLS6	6					
ACCKMP1916NLS18	1/8" (3.175)	19	17.6	15	10	6-32 hex tool
ACCKMP1916NLS14	1/4" (6.35)					
ACCKMP1916NLS3	3					
ACCKMP1916NLS6	6					
ACCKMP2416NLS18	1/8" (3.175)	23.8	22.4	17.6	9.5	6-32 hex tool
ACCKMP2416NLS14	1/4" (6.35)					
ACCKMP2416NLS6	6					

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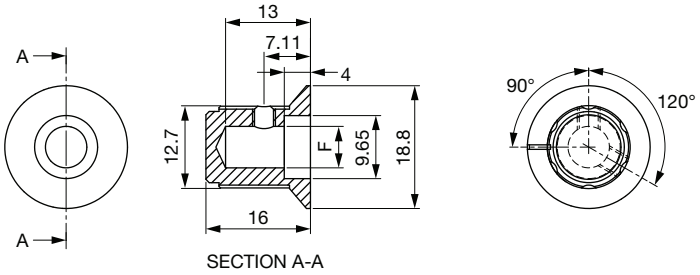
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METALLIC CONTROL KNOBS - SKIRTED RANGE

SERIES



MS1316NLD



SPECIFICATION

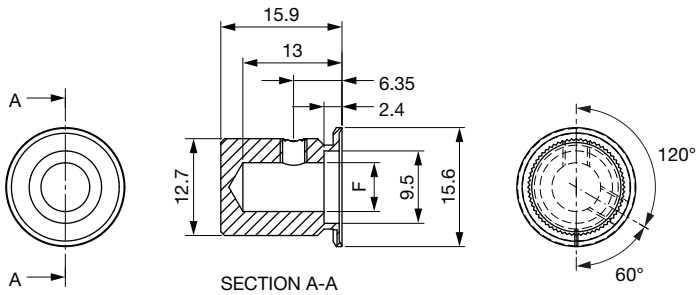
- Material: aluminum
- Product color: black
- Indicator: white line on side and skirt
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMS1316NLD18	1/8" (3.175)	6-32 hex tool
ACCKMS1316NLD14	1/4" (6.35)	
ACCKMS1316NLD3	3	
ACCKMS1316NLD6	6	

SERIES



MS1316NLK



SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on side and top
- With lateral screw fixing

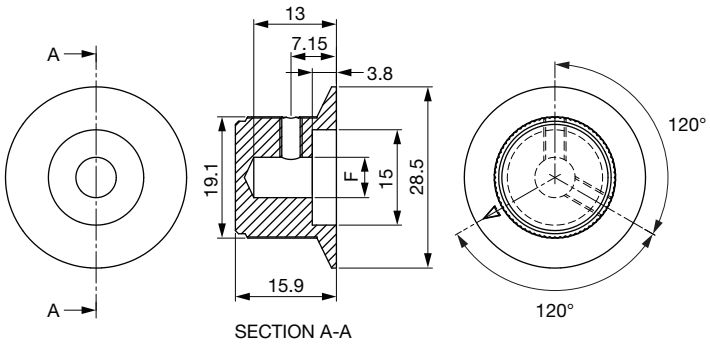
PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMS1316NLK18	1/8" (3.175)	6-32 hex tool
ACCKMS1316NLK14	1/4" (6.35)	
ACCKMS1316NLK3	3	
ACCKMS1316NLK6	6	

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SERIES



MS1916NAS



SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: arrow on skirt
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMS1916NAS18	1/8" (3.175)	6-32 hex tool
ACCKMS1916NAS14	1/4" (6.35)	
ACCKMS1916NAS3	3	
ACCKMS1916NAS6	6	

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METALLIC CONTROL KNOBS - SKIRTED RANGE

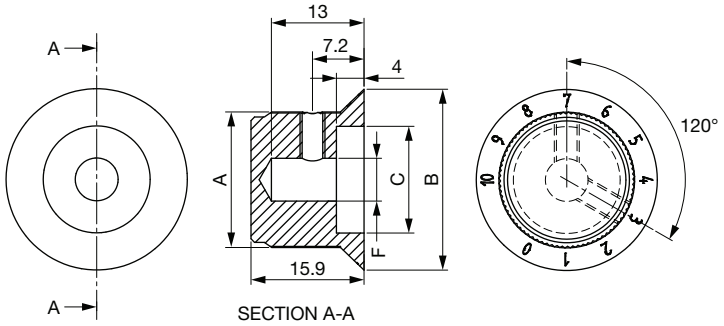
SERIES



MS1316NGJ



MS1916NGJ



SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: graduation to 10
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters				TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	
ACCKMS1316NGJ18	1/8" (3.175)	12.7	17.5	9.5	6-32 hex tool
ACCKMS1316NGJ14	1/4" (6.35)				
ACCKMS1316NGJ3	3				
ACCKMS1316NGJ6	6				
ACCKMS1916NGJ18	1/8" (3.175)	19.1	25.4	15	6-32 hex tool
ACCKMS1916NGJ14	1/4" (6.35)				
ACCKMS1916NGJ3	3				
ACCKMS1916NGJ6	6				

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QUICK SEARCH / AVAILABLE SERIES

SERIES	SHAFT DIAMETER				DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
MS1316NLD	✓	✓	✓	✓	12.7	16		Aluminum	Skirted	Black	Line on side and skirt
MP1316NLS	✓	✓	✓	✓	12.7	15.9		Aluminum	Pointer	Black	Line on side
MS1316NLK	✓	✓	✓	✓	12.7	15.9		Aluminum	Skirted	Black	Line on skirt
MS1316NGJ	✓	✓	✓	✓	12.7	15.9		Aluminum	Skirted	Black	Graduation to 10
MP1325NLP	✓	✓	✓	✓	12.7	25.4		Aluminum	Pointer	Black	Line on top and side
MR1316NLT	✓	✓	✓	✓	12.8	15.8		Aluminum	Round	Black	Line on top
PR1417NLS	✓	✓	✓	✓	13.5	17.3		ABS	Round	Black	Line on side
PR1417NLT		✓	✓	✓	13.8	16.6		ABS	Round	Black	Line on top
PS1412NLR	✓	✓	✓	✓	14.3	12.3		ABS	Skirted	Black	Line on top and skirt
PS1515NDT	✓	✓	✓	✓	15	15		ABS	Skirted	Black	Dot on top
MR1617NLT	✓	✓	✓	✓	15.5	16.5		Aluminum	Round	Black	Line on top

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QUICK SEARCH / AVAILABLE SERIES

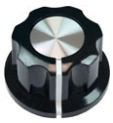
SERIES	SHAFT DIAMETER				DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
IR1612NLP	✓	✓	✓	✓	16	11.8		ABS	Round	Black	Line on top and side
MP1627NLP	✓	✓	✓	✓	16	26.7		Aluminum	Pointer	Black	Line on top and side
PS1715NLT	✓	✓	✓	✓	16.6	15		ABS	Skirted	Black	Line on top
PR1817NLT	✓	✓	✓	✓	18.4	17.4		ABS	Round	Black	Line on top
PP1915NLP	✓	✓	✓	✓	19	14.5		ABS	Pointer	Black	Line on top and side
MR1916NLT	✓	✓	✓	✓	19	15.8		Aluminum	Round	Black	Line on top
MP1916NLS	✓	✓	✓	✓	19	15.9		Aluminum	Pointer	Black	Line on side
MR1920NLT	✓	✓	✓	✓	19	20		Aluminum	Round	Black	Line on top
MP1925NLP	✓	✓	✓	✓	19	25.4		Aluminum	Pointer	Black	Line on top and side
MR1916NGJ	✓	✓	✓	✓	19.1	15.9		Aluminum	Round	Black	Graduation to 10
MS1916NAS	✓	✓	✓	✓	19.1	15.9		Aluminum	Skirted	Black	Arrow on skirt

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QUICK SEARCH / AVAILABLE SERIES

SERIES	SHAFT DIAMETER				DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
IS2012NLD	✓	✓	✓	✓	20	12		ABS	Skirted	Black	Line on side and skirt
PS2015NLR	✓	✓	✓	✓	20	15		ABS	Skirted	Black	Line on top and skirt
MR2020NLT	✓	✓	✓	✓	20	19.5		Aluminum	Round	Black	Line on top
MR2219NLT	✓	✓	✓	✓	22	19		Aluminum	Round	Black	Line on top
MP2416NLS		✓	✓	✓	23.8	15.9		Aluminum	Pointer	Black	Line on side
IS2716NLD		✓	✓	✓	27	16		ABS	Skirted	Black	Line on side and skirt
MR3022NLT		✓		✓	29.7	22		Aluminum	Round	Black	Line on top

QUICK SEARCH / AVAILABLE DUAL SERIES

SERIES	SHAFT DIAMETER					DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	1.8 mm	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
PS2024NLR		✓	✓	✓	✓	20	24		ABS	Skirted	Black	Line on side and skirt
MR1922NLP	✓	✓	✓	✓	✓	19	22		Aluminum	Round	Black	Line on top and side

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MECHANICAL SPECIFICATIONS

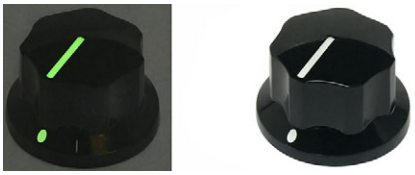
Locking system	Lateral screw fixing
Knob hole shape for the shaft	Round
Plastic knob material	ABS
Metallic knob material	Aluminum

Notes

- For control knob customization need, knob shape, marking, color, and hole of the shaft diameter can be customized on metallic versions to meet customer requirements. For plastic knobs, only the markings and knob color can be customized to meet customer requirements.
- For knobs compatibilities with panel potentiometers portfolio: refer to application note “Control Knobs” www.vishay.com/doc?51104
- Nothing stated herein shall be construed as a guarantee of quality or durability

OPTION ON REQUEST: PHOSPHORESCENT MARKING

White marking (dot, line, ...) glows in the dark.
After being charged by light for about 10 minutes, they will glow in the dark. The longer the charging time, the longer the glow duration.
Ordering information special code: PHO





ORDERING INFORMATION (part number)

A	C	C	K	P	R	1	9	1	4	N	L	T	6				

MODEL

ACCK

MATERIAL

P = plastic
M = metallic
I = plastic with aluminum insert (on request)

KNOB RANGE

R = round
P = pointer
S = skirted

KNOB DIAMETER

From 10 mm to 35 mm
Unit: mm
(for Dual knob = bottom diameter)

KNOB HEIGHT

From 12 mm to 27 mm
Unit: mm
(for Dual knob = total height)

COLOR

N = black

On request:
W = white
G = grey
B = blue
R = red
Y = yellow
N = green
S = silver

INDICATOR

LT = line on top
LS = line on side
LP = line on top and side
LR = line on top and skirt
LK = line on skirt
LD = line on side and skirt
DT = dot on top
DS = dot on skirt
AS = arrow on skirt
AT = arrow on top
GJ = graduation to 10

SHAFT DIAMETER

3 = 3 mm
18 = 3.17 mm (1/8")
6 = 6 mm
14 = 6.35 mm (1/4")
On request:
4 = 4 mm
07 = 1.8 mm (0.07")

For Dual
DV = bottom knob 6 mm / top knob 3 mm
DF = bottom knob 6.35 mm / top knob 3.17 mm
DA = bottom knob 3.17 mm / top knob 1.8 mm
BV = bottom knob 6 mm
BF = bottom knob 6.35 mm (1/4")
BA = bottom knob 3 mm

SPECIAL NUMBER

(If applicable)
Given by Vishay for custom design

SPECIAL NUMBER FOR OPTION

PHO: phosphorescent marking

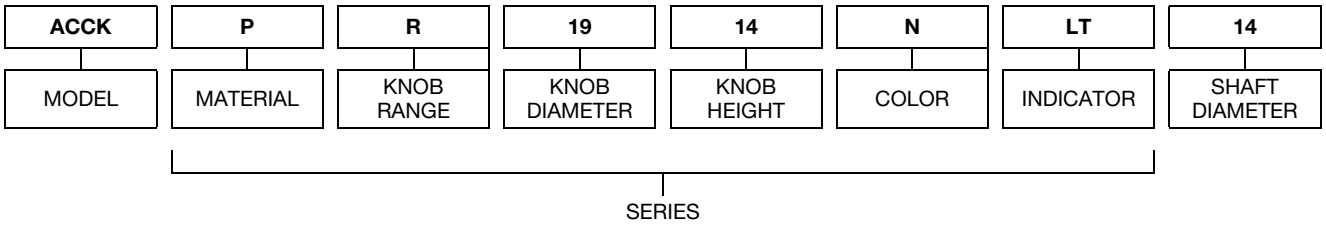
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PART NUMBER DESCRIPTION (for information only)



RELATED DOCUMENTS

APPLICATION NOTES	
Control Knobs	www.vishay.com/doc?51104
Potentiometers and Trimmers	www.vishay.com/doc?51001
Guidelines for Vishay Sfernice Resistive and Inductive Components	www.vishay.com/doc?52029
OTHER	
Link to Panel Potentiometers Portfolio	www.vishay.com/en/potentiometers/

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