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)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

LINKS TO ADDITIONAL RESOURCES

3D Models

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

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For “Quick Search / Available Series” table see page 12

For technical questions, contact: sferpottrimmers@vishay.com

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PLASTIC CONTROL KNOBS

ROUND RANGE

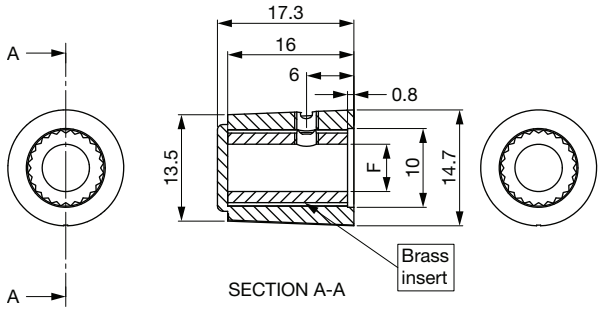
SERIES



PR1417NLS

SPECIFICATION

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



PART NUMBER	SHAFT DIAM. "F"
ACCKPR1417NLS18	1/8" (3.175)
ACCKPR1417NLS14	1/4" (6.35)
ACCKPR1417NLS3	3
ACCKPR1417NLS6	6

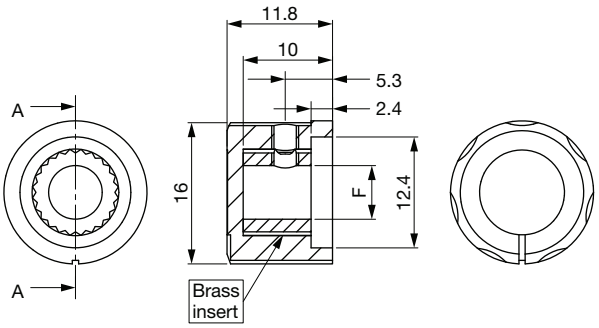
SERIES



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"
ACCKIR1612NLP18	1/8" (3.175)
ACCKIR1612NLP14	1/4" (6.35)
ACCKIR1612NLP3	3
ACCKIR1612NLP6	6

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SERIES



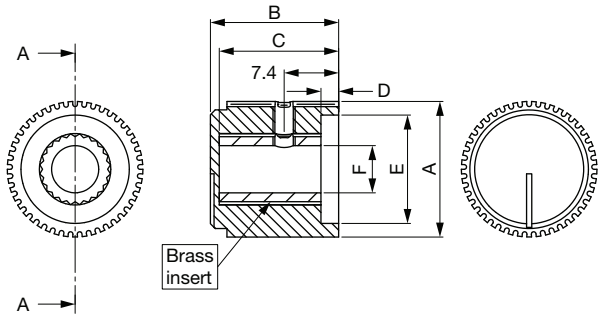
PR1817NLT



PR1417NLT

SPECIFICATION

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



SECTION A-A

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

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PLASTIC CONTROL KNOBS

SKIRTED RANGE

SERIES



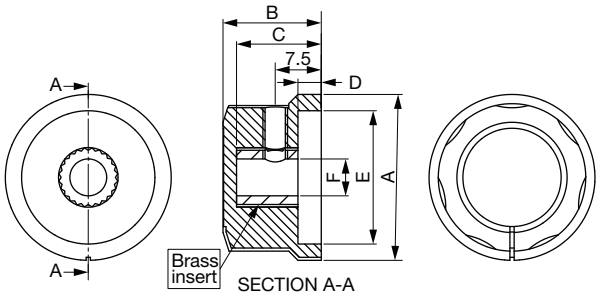
IS2716NLD



IS2012NLD

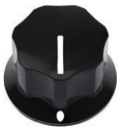
SPECIFICATION

- 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					
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKIS2716NLD18	1/8" (3.175)	27	16	13.8	3.8	21.7
ACCKIS2716NLD14	1/4" (6.35)					
ACCKIS2716NLD6	6					
ACCKIS2012NLD18	1/8" (3.175)	20	12	10	1.8	13.8
ACCKIS2012NLD14	1/4" (6.35)					
ACCKIS2012NLD3	3					
ACCKIS2012NLD6	6					

SERIES



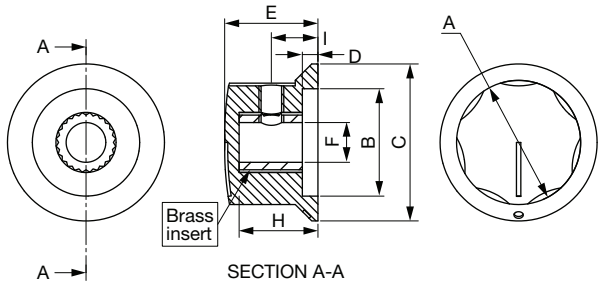
PS2015NLR



PS1412NLR

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters							
	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
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
ACCKPS1412NLR14	1/4" (6.35)							
ACCKPS1412NLR3	3							
ACCKPS1412NLR6	6							

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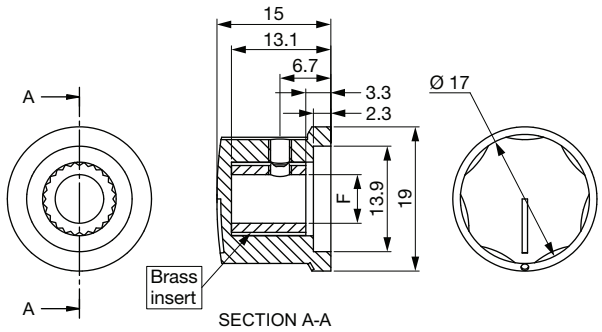
SERIES



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"
ACCKPS1715NLT18	1/8" (3.175)
ACCKPS1715NLT14	1/4" (6.35)
ACCKPS1715NLT3	3
ACCKPS1715NLT6	6

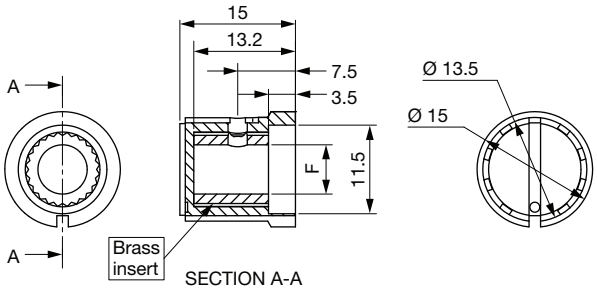
SERIES



PS1515NDT

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters					
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKPS1515NDT18	1/8" (3.175)	15	15	13.2	7.5	11.5
ACCKPS1515NDT14	1/4" (6.35)					
ACCKPS1515NDT3	3					
ACCKPS1515NDT6	6					

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PLASTIC CONTROL KNOBS

POINTER RANGE

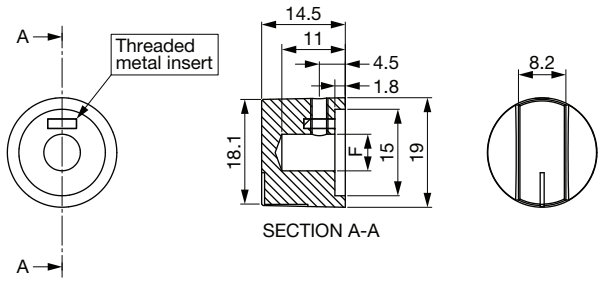
SERIES



PP1915NLP

SPECIFICATION

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



PART NUMBER	SHAFT DIAM. “F”
ACCKPP1915NLP18	1/8" (3.175)
ACCKPP1915NLP14	1/4" (6.35)
ACCKPP1915NLP3	3
ACCKPP1915NLP6	6

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METALLIC CONTROL KNOBS

ROUND RANGE

SERIES



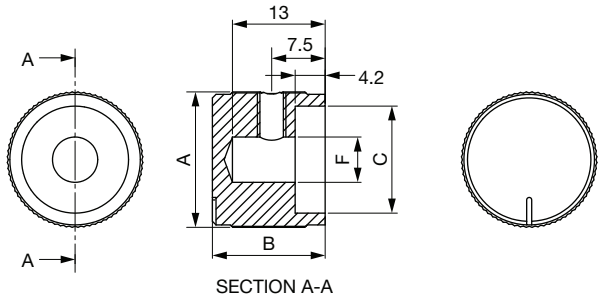
MR1316NLT



MR1916NLT

SPECIFICATION

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



SECTION A-A

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

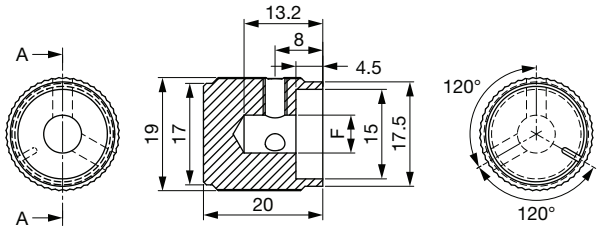
SERIES



MR1920NLT

SPECIFICATION

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



SECTION A-A

PART NUMBER	SHAFT DIAM. "F"
ACCKMR1920NLT18	1/8" (3.175)
ACCKMR1920NLT14	1/4" (6.35)
ACCKMR1920NLT3	3
ACCKMR1920NLT6	6

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SERIES



MR1617NLT



MR2020NLT



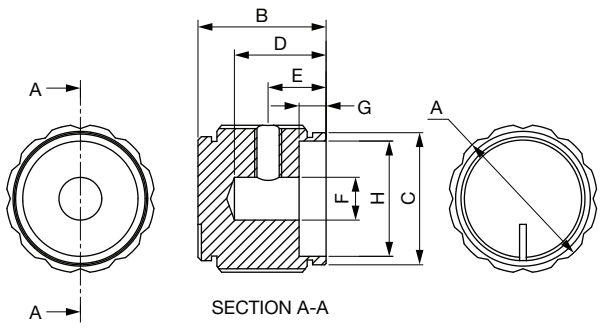
MR2219NLT



MR3022NLT

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters							
	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
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
ACCKMR2020NLT14	1/4" (6.35)							
ACCKMR2020NLT3	3							
ACCKMR2020NLT6	6							
ACCKMR2219NLT18	1/8" (3.175)	22	19	19.6	13.6	8.6	4	15
ACCKMR2219NLT14	1/4" (6.35)							
ACCKMR2219NLT3	3							
ACCKMR2219NLT6	6							
ACCKMR3022NLT14	1/4" (6.35)	29.7	22	28	11.6	8	4.2	25
ACCKMR3022NLT6	6							

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METALLIC CONTROL KNOBS

POINTER RANGE

SERIES



MP1325NLP



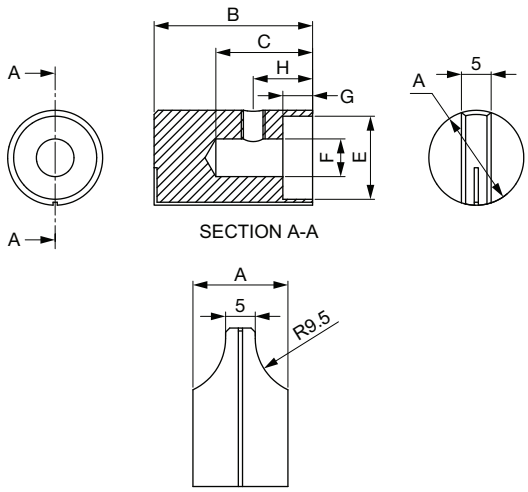
MP1627NLP



MP1925NLP

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters							
	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
ACCKMP1325NLP14	1/4" (6.35)						
ACCKMP1325NLP3	3						
ACCKMP1325NLP6	6						
ACCKMP1627NLP18	1/8" (3.175)	16	26.7	16.3	14.1	5	10.5
ACCKMP1627NLP14	1/4" (6.35)						
ACCKMP1627NLP3	3						
ACCKMP1627NLP6	6						
ACCKMP1925NLP18	1/8" (3.175)	19	25.4	13	15	4.5	7.5
ACCKMP1925NLP14	1/4" (6.35)						
ACCKMP1925NLP3	3						
ACCKMP1925NLP6	6						

SERIES



MP1316NLS



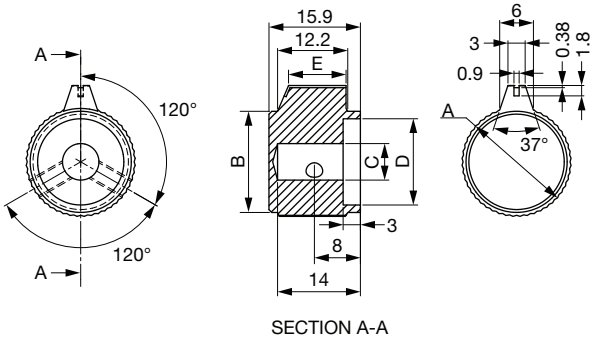
MP1916NLS



MP2416NLS

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters						
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKMP1316NLS18	1/8" (3.175)	12.7	11.3	6.4	9.5	9
ACCKMP1316NLS14	1/4" (6.35)					
ACCKMP1316NLS3	3					
ACCKMP1316NLS6	6					
ACCKMP1916NLS18	1/8" (3.175)	19	17.6	6.4	15	10
ACCKMP1916NLS14	1/4" (6.35)					
ACCKMP1916NLS3	3					
ACCKMP1916NLS6	6					
ACCKMP2416NLS18	1/8" (3.175)	23.8	22.4	3.2	17.6	9.5
ACCKMP2416NLS14	1/4" (6.35)					
ACCKMP2416NLS6	6					

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METALLIC CONTROL KNOBS

SKIRTED RANGE

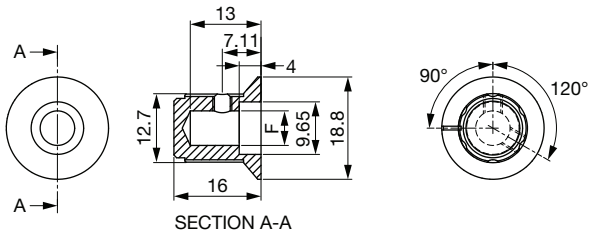
SERIES



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"
ACCKMS1316NLD18	1/8" (3.175)
ACCKMS1316NLD14	1/4" (6.35)
ACCKMS1316NLD3	3
ACCKMS1316NLD6	6

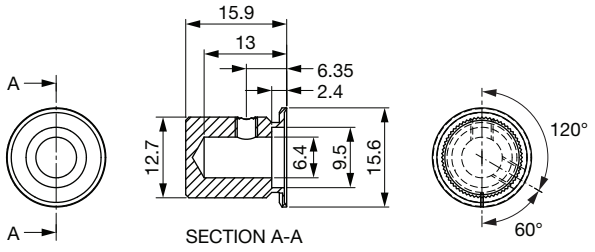
SERIES



MS1316NLK

SPECIFICATION

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



PART NUMBER	SHAFT DIAM. "F"
ACCKMS1316NLK18	1/8" (3.175)
ACCKMS1316NLK14	1/4" (6.35)
ACCKMS1316NLK3	3
ACCKMS1316NLK6	6

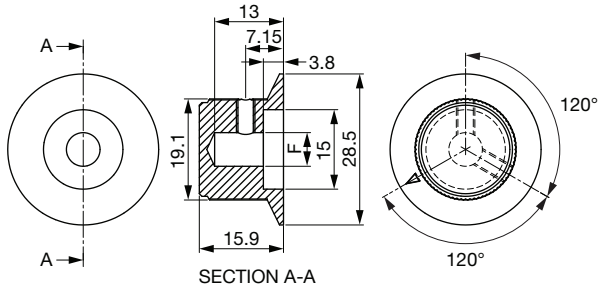
SERIES



MS1916NAS

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters
	SHAFT DIAM. "F"
ACCKMS1916NAS18	1/8" (3.175)
ACCKMS1916NAS14	1/4" (6.35)
ACCKMS1916NAS3	3
ACCKMS1916NAS6	6

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METALLIC CONTROL KNOBS

SKIRTED RANGE

SERIES



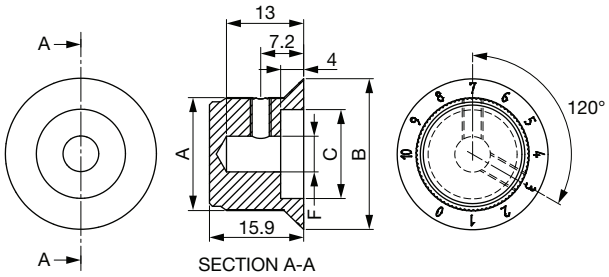
MS1316NGJ



MS1916NGJ

SPECIFICATION

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



PART NUMBER	DIMENSIONS in millimeters			
	SHAFT DIAM. "F"	A	B	C
ACCKMS1316NGJ18	1/8" (3.175)	12.7	17.5	9.5
ACCKMS1316NGJ14	1/4" (6.35)			
ACCKMS1316NGJ3	3			
ACCKMS1316NGJ6	6			
ACCKMS1916NGJ18	1/8" (3.175)	19.1	25.4	15
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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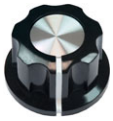
QUICK SEARCH / AVAILABLE SERIES

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

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

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ORDERING INFORMATION (part number)

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

MODEL	MATERIAL	KNOB RANGE	KNOB DIAMETER	KNOB HEIGHT	COLOR	INDICATOR	SHAFT DIAMETER	SPECIAL NUMBER
ACCK	**P** = plastic **M** = metallic **I** = plastic with aluminum insert (on request)	**R** = round **P** = pointer **S** = skirted	**From 10 mm to 35 mm** **Unit: mm**	**From 12 mm to 27 mm** **Unit: mm**	**N** = black On request: **W** = white **G** = grey **B** = blue **R** = red **Y** = yellow **N** = green **S** = silver	**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	**3** = 3 mm **18** = 3.17 mm (1/8") **6** = 6 mm **14** = 6.35 mm (1/4") On request: **4** = 4 mm	(If applicable) Given by Vishay for custom design

SERIES

PART NUMBER DESCRIPTION (for information only)

ACCK	P	R	19	14	N	LT	14
MODEL	MATERIAL	KNOB RANGE	KNOB DIAMETER	KNOB HEIGHT	COLOR	INDICATOR	SHAFT DIAMETER

SERIES

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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