

SECTION
4

Knobs
MMA

4

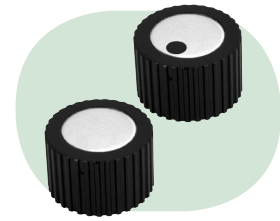




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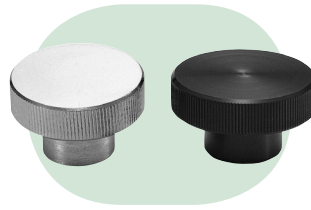
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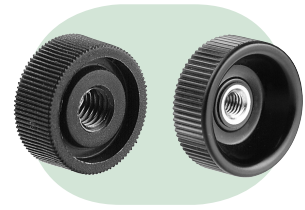
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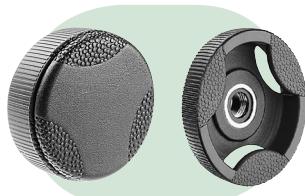
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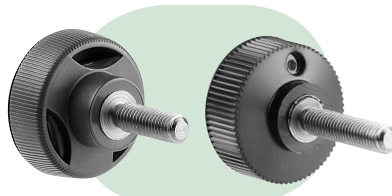
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4-8



4-9



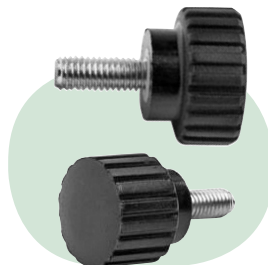
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4-12 & 4-13



4-14



4-15



4-16



4-17



4-18



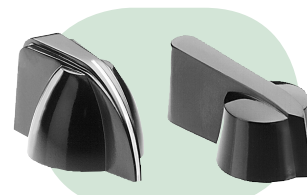
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4-20



4-21



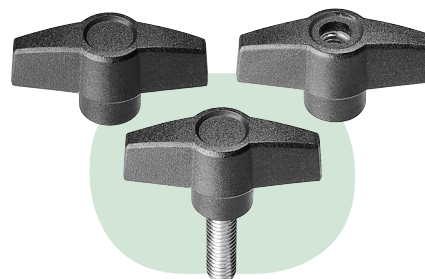
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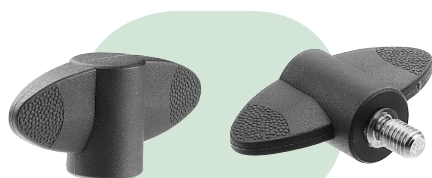
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4-21



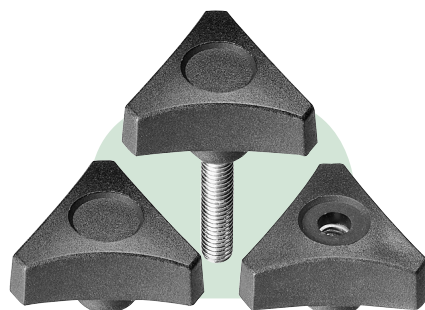
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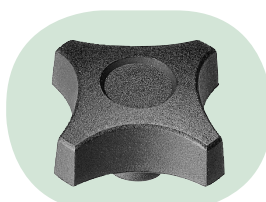
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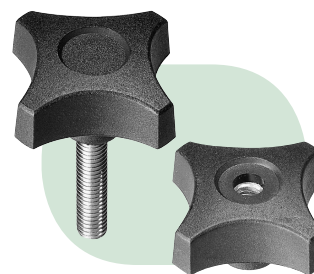
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4-26



4-26



4-27



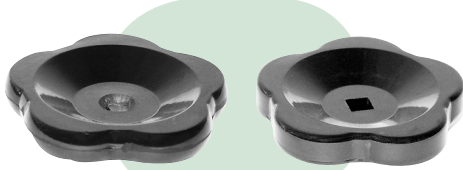
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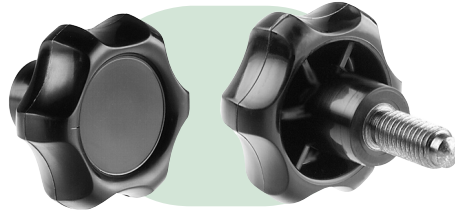
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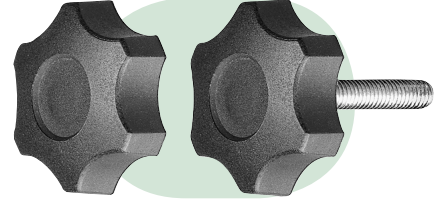
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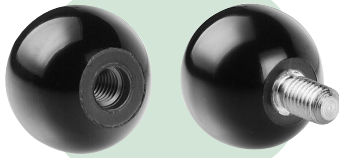
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4-34 & 4-35



4-36



4-37 thru 4-40

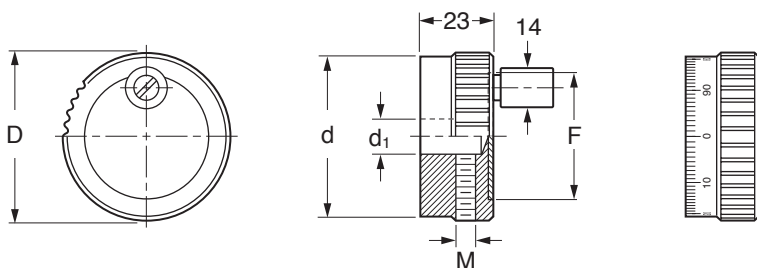


4-41 & 4-42



4-43

KNOB, CONTROL



4

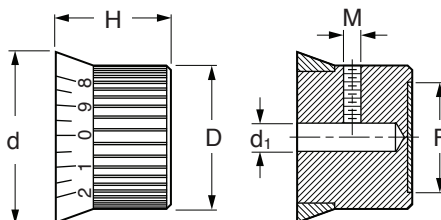
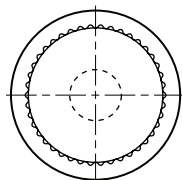
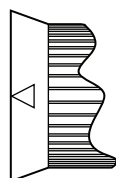
- **KNOB** – Aluminum, Black Matte Finish • **SCALE** – White Engraving
- **HANDLE** – Plastic, Black • **CAP** – Aluminum • **MOUNTING HOLE**

Catalog Number

Without Handle & Scale	With Handle	With 0-100 Scale	With Handle & Scale	D	d	d ₁	F	M
MMAH0FM30905010	MMAH0FM30915010	MMAH0FM30925010	MMAH0FM30935010	52	50		39.1	M5
MMAH0FM30906010	MMAH0FM30916010	MMAH0FM30926010	MMAH0FM30936010	62	60	Ø10	51.7	M5
MMAH0FM30907010	MMAH0FM30917010	MMAH0FM30927010	MMAH0FM30937010	72	70		65.1	M6

All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts

MMAH3FM7040...
WITH ARROW



MMAH3FM7041...
WITH SCALE



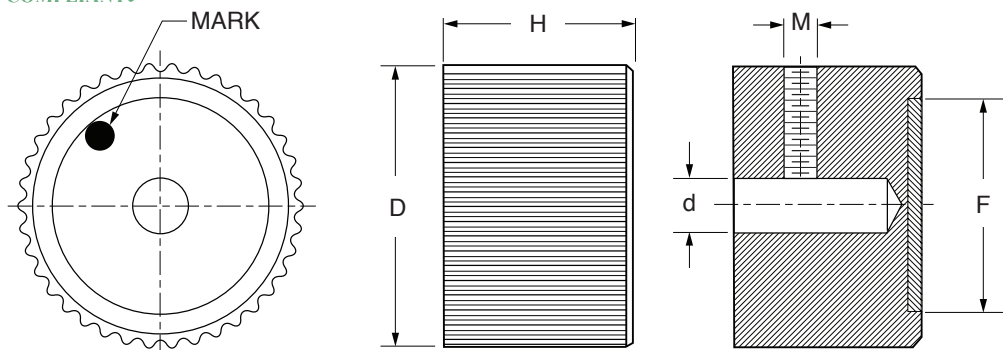
- **KNOB** – Aluminum, Black Matte Finish • **SCALE** – White Engraving
- **CAP** – Aluminum • **MOUNTING HOLE**

Catalog Number

With Arrow	With 0-10 Scale	D	H	d	d ₁	F	M
MMAH3FM7040346	MMAH3FM7041346	27	26	34		18.3	M4
MMAH3FM7040416	MMAH3FM7041416	34	30	41	Ø6	26.1	M5
MMAH3FM7040508	MMAH3FM7041508	42	34	50		32	M5
MMAH3FM7040608	MMAH3FM7041608	52	38	60	Ø8	39.1	

4 KNOBS, CONTROL

RoHS
COMPLIANT

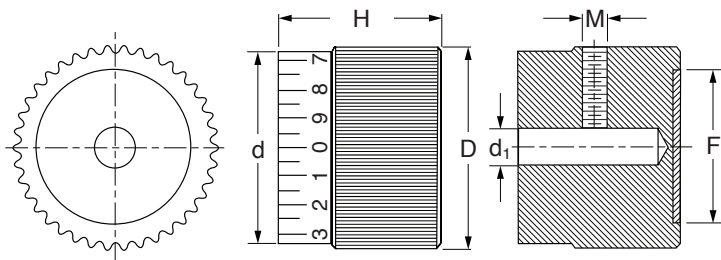
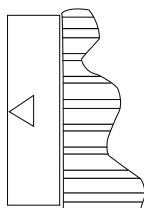


• **KNOB** – Aluminum, Black Matte Finish • **CAP** – Aluminum • **MOUNTING HOLE**

Catalog Number		D	H	d	F	M
With Mark	Without Mark					
MMAH1FM7020276	MMAH1FM7021276	27	17	Ø6	18.3	M4
MMAH1FM7020346	MMAH1FM7021346	34	20	Ø6	26.1	M5
MMAH1FM7020428	MMAH1FM7021428	42	23	Ø8	32	M5
MMAH1FM7020528	MMAH1FM7021528	52	25	Ø8	39.1	M5

All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts

MMAH2FM7030...
WITH ARROW



MMAH2FM7031...
WITH SCALE



• **KNOB** – Aluminum, Black Matte Finish • **SCALE** – White Engraving
• **CAP** – Aluminum • **MOUNTING HOLE**

Catalog Number		D	H	d	d ₁	F	M
With Arrow	With 0-10 Scale						
MMAH2FM7030256	MMAH2FM7031256	27	26	25	Ø6	18.3	M4
MMAH2FM7030326	MMAH2FM7031326	34	30	32	Ø6	26.1	M5
MMAH2FM7030408	MMAH2FM7031408	42	34	40	Ø8	32	M5
MMAH2FM7030508	MMAH2FM7031508	52	38	50	Ø8	39.1	M5

KNOB, KNURLED

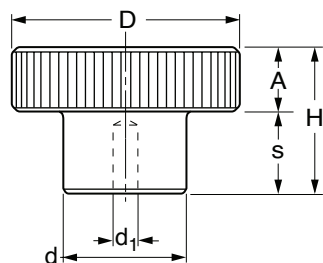


Fig. 1

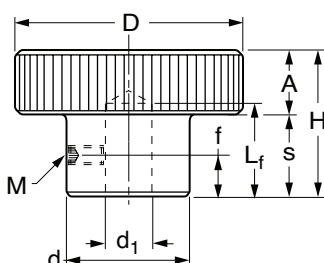


Fig. 2



Fig. 1

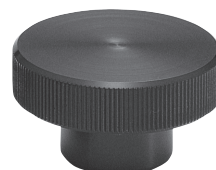


Fig. 2

Fig. 1 • **KNOB** – Cast Iron, Chrome Plated • **BLIND HOLE**

Catalog Number	D	H	d	d ₁	s	A	Weight g
MMANFFMFS40N	40	28	22	5	15	13	250
MMANFFMFS50N	50	32	27		18	14	415
MMANFFMFS63N	63	40	35		25	15	750

Fig. 2 • **KNOB** – Aluminum, Black Anodized • **BLIND HOLE & SET SCREW**

Catalog Number	D	H	d	d ₁ +0.04 0	L _f
MMANFFMHAK40R08N	40	25	22	8	15
MMANFFMHAK40R10N	50	28	27	10	18
MMANFFMHAK40R12N	63	32	35	12	22
MMANFFMHAK40R16N	80	40	45	16	28

Catalog Number	s	A	f	M	Weight g
MMANFFMHAK40R08N	13	12	6.5	M5	45
MMANFFMHAK40R10N	15	13	7.5		77
MMANFFMHAK40R12N	18	14	9		146
MMANFFMHAK40R16N	25	15	12.5	M6	234

KNOB, KNURLED

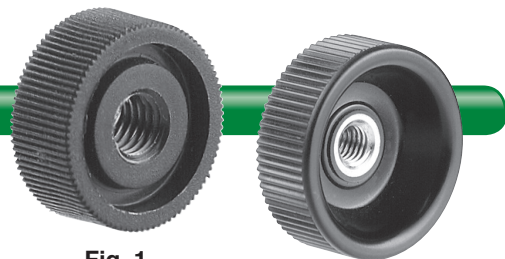


Fig. 1

Fig. 2

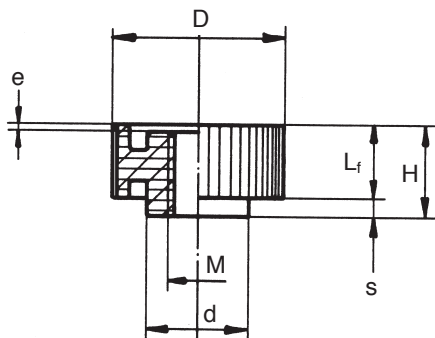


Fig. 1

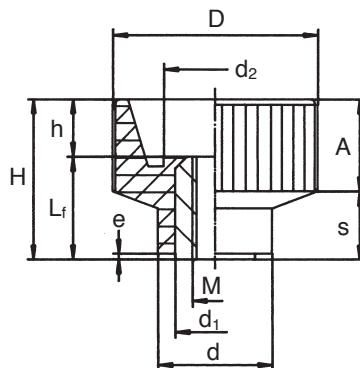


Fig. 2

Fig. 1 • KNOB – Nylon 6, Black • THREADED HOLE WITHOUT INSERT

Catalog Number	D	H	d	L _f	s	e	M	Weight g
MMAXGFM2601	15	8	9	6.5	1.5	0.5	M4	1
MMAXGFM2602							M5	
MMAXGFM2603							M6	

Fig. 2 • KNOB – Bakelite, Black • THREADED INSERT – Brass, Nickel Plated

Catalog Number	D	H	d	d ₁	d ₂	h
MMAXGFM2604	18	13	10	7	10	4
MMAXGFM2605	20	14	12	8		
MMAXGFM2606	24	16	13	8	10	6
MMAXGFM2607				9		
MMAXGFM2608	30	18	15	9	12	7
MMAXGFM2609				11		
MMAXGFM2610	35	19	18	10	14	8
MMAXGFM2611				11		
MMAXGFM2612				14		

Catalog Number	L _f	s	A	e	M	Weight g
MMAXGFM2604	9	5	8	0.5	M4	4
MMAXGFM2605	10	6	8	0.5	M5	6
MMAXGFM2606	10	7	9	0.5	M5	7
MMAXGFM2607					M6	
MMAXGFM2608	11	7	11	0.5	M6	12
MMAXGFM2609			11		M8	13
MMAXGFM2610			12		M7	16
MMAXGFM2611			12		M8	16
MMAXGFM2612			12		M10	18

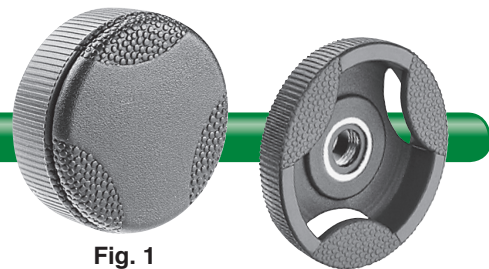


Fig. 1

Fig. 3

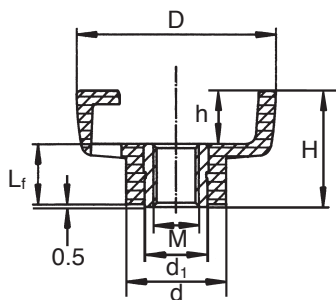


Fig. 1 LESS CAP

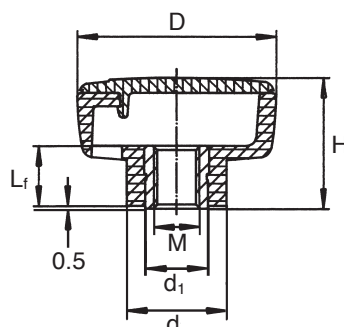


Fig. 2 WITH CAP

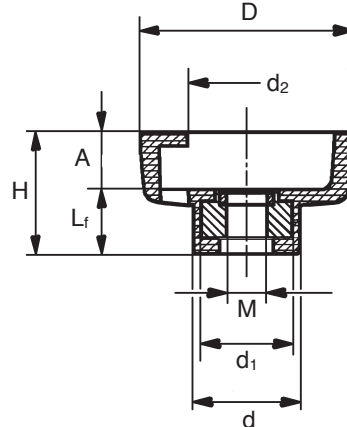


Fig. 3

Fig. 1 • KNOB (LESS CAP) – Nylon 6, Anthracite Gray
• **THREADED INSERT – Brass, Nickel Plated**

Catalog Number	D	H	d	d ₁	h	L _f	M	Weight g
MMAXHFM6501	20	13	11	7	4	9	M4	4
MMAXHFM6502				8			M5	5
MMAXHFM6503	25	15	13	8	4.2	8	M5	7
MMAXHFM6504				9			M6	8
MMAXHFM6505	30	18	15	8	7	11	M5	9
MMAXHFM6506				9			M6	10
MMAXHFM6507				11			M8	10
MMAXHFM6508	35	20	17.5	11	9.5	10.5	M8	14
MMAXHFM6509				14			M10	16

Fig. 2 • KNOB (WITH CAP) – Nylon 6, Anthracite Gray
• **THREADED INSERT – Brass, Nickel Plated**

Catalog Number	D	H	d	d ₁	L _f	M	Weight g
MMAXHFM6501WC	20	15	11	7	9	M4	4
MMAXHFM6502WC				8		M5	5
MMAXHFM6503WC	25	18	13	8	8	M5	7
MMAXHFM6504WC				9		M6	8
MMAXHFM6505WC	30	21	15	8	11	M5	9
MMAXHFM6506WC				9		M6	10
MMAXHFM6507WC				11		M8	10
MMAXHFM6508WC	35	24	17.5	11	10.5	M8	14
MMAXHFM6509WC				14		M10	16

Fig. 3 • KNOB – Nylon 6, Anthracite Gray • LOCK NUT INSERT – Steel, Zinc Plated • DIN 985

Catalog Number	D	H	d	d ₁	d ₂	L _f	A	M	Weight g
MMAXHFM650502	30	17.5	15	8.8	15	10.5	7	M5	9
MMAXHFM650602				11				M6	10
MMAXHFM650802	35	20	17.5	14.4	17	10.5	9.5	M8	14

KNOBS, KNURLED

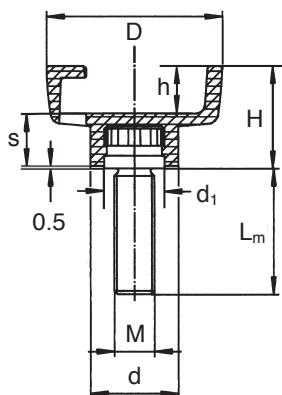
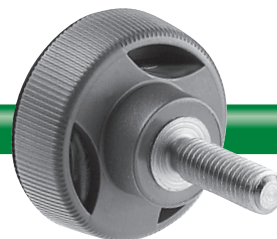


Fig. 1 LESS CAP

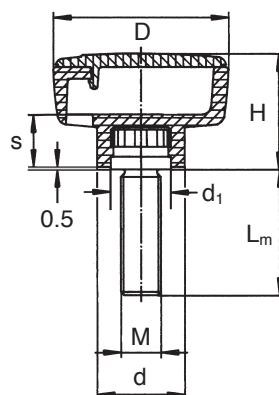


Fig. 2 WITH CAP

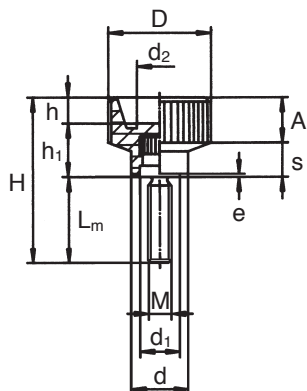
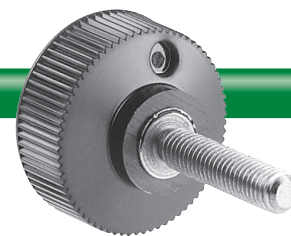
Fig. 1 • KNOB (LESS CAP) – Nylon 6, Anthracite Gray • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	s	M	h	Weight g
MMAXHMM6601	20	13	11	7	15	9	M4	4	5
MMAXHMM6602				7	20		M4		6
MMAXHMM6603				8	10		M5		6
MMAXHMM6604				8	18		M5		7
MMAXHMM6605				8	25		M5		9
MMAXHMM6610	25	15	13	8	10	8	M5	4.2	9
MMAXHMM6611				10	10		M6		10
MMAXHMM6612				10	20		M6		12
MMAXHMM6613				10	28		M6		13
MMAXHMM6620	30	18	15	10	10	11	M6	7	12
MMAXHMM6621				10	20		M6		14
MMAXHMM6622				10	28		M6		15
MMAXHMM6623				12	25		M8		21
MMAXHMM6624				12	32		M8		23
MMAXHMM6630	35	20	17.5	12	12	10.5	M8	9.5	20
MMAXHMM6631				12	25		M8		24
MMAXHMM6632				14	30		M10		33

Fig. 2 • KNOB (WITH CAP) – Nylon 6, Anthracite Gray • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	s	M	Weight g
MMAXHMM6601WC	20	15	11	7	15	9	M4	5
MMAXHMM6602WC				7	20		M4	6
MMAXHMM6603WC				8	10		M5	6
MMAXHMM6604WC				8	18		M5	7
MMAXHMM6605WC				8	25		M5	9
MMAXHMM6610WC	25	18	13	8	10	8	M5	9
MMAXHMM6611WC				10	10		M6	10
MMAXHMM6612WC				10	20		M6	12
MMAXHMM6613WC				10	28		M6	13
MMAXHMM6620WC	30	21	15	10	10	11	M6	12
MMAXHMM6621WC				10	20		M6	14
MMAXHMM6622WC				10	28		M6	15
MMAXHMM6623WC				12	25		M8	21
MMAXHMM6624WC				12	32		M8	23
MMAXHMM6630WC	35	24	17.5	12	12	10.5	M8	20
MMAXHMM6631WC				12	25		M8	24
MMAXHMM6632WC				14	30		M10	33

KNOB, KNURLED



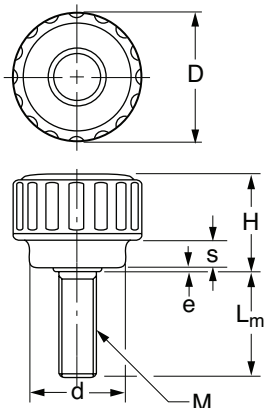
4

• **KNOB** – Bakelite, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	d ₂	h	h ₁
MMAXGMM2701	18	29	10	7	10	4	10
MMAXGMM2702		34					
MMAXGMM2703	20	25	12	8	10	4	11
MMAXGMM2704		33					
MMAXGMM2705		40					
MMAXGMM2706	24	26	13	8	10	6	10
MMAXGMM2707		36		10			
MMAXGMM2708		44		10			
MMAXGMM2709	30	28	15	10	12	7	11
MMAXGMM2710		38		10			
MMAXGMM2711		46		10			
MMAXGMM2712		43		12			
MMAXGMM2713		50		12			
MMAXGMM2714	35	32	18	12	14	8	12
MMAXGMM2715		45		12			
MMAXGMM2716		50		14			

Catalog Number	L _m	s	A	e	M	Weight g
MMAXGMM2701	15	6	8	0.5	M4	5
MMAXGMM2702	20					6
MMAXGMM2703	10	6	9	0.5	M5	7
MMAXGMM2704	18					8
MMAXGMM2705	25	6	9	0.5	M5	9
MMAXGMM2706	10					
MMAXGMM2707	20	7	9	0.5	M6	12
MMAXGMM2708	28					13
MMAXGMM2709	10	7	11	0.5	M6	14
MMAXGMM2710	20					16
MMAXGMM2711	28					17
MMAXGMM2712	25	7	11	0.5	M8	22
MMAXGMM2713	32					24
MMAXGMM2714	12	8	12	0.5	M8	22
MMAXGMM2715	25				M8	25
MMAXGMM2716	30				M10	35

KNOB, DIMPLED - Stainless Steel Screw

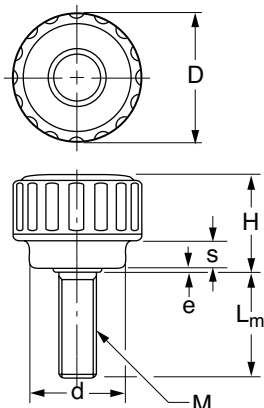


4

• **KNOB** – Nylon 6, Black Matte Finish • **SCREW** – Stainless Steel

Catalog Number	D	H	d	L _m	s	e	M	Weight g
MMANDMMKDMS16310	16	11	11	10	2	0.3	M3	5...6
MMANDMMKDMS16316				16				
MMANDMMKDMS16410	16	11	11	10	2	0.3	M4	5...6
MMANDMMKDMS16416				16				
MMANDMMKDMS16510	16	11	11	10	2	0.3	M5	6...7
MMANDMMKDMS16516				16				
MMANDMMKDMS16520				20				
MMANDMMKDMS20510	20	14	15	10	4	0.3	M5	10...12
MMANDMMKDMS20516				16				
MMANDMMKDMS20520				20				
MMANDMMKDMS20610	20	14	15	10	4	0.3	M6	10...14
MMANDMMKDMS20616				16				
MMANDMMKDMS20620				20				
MMANDMMKDMS20625				25				
MMANDMMKDMS25520	25	18	19	20	6	0.3	M5	17...19
MMANDMMKDMS25525				25				
MMANDMMKDMS25616	25	18	19	16	6	0.3	M6	18...20
MMANDMMKDMS25620				20				
MMANDMMKDMS25625				25				
MMANDMMKDMS25816	25	18	19	16	6	0.3	M8	20...26
MMANDMMKDMS25820				20				
MMANDMMKDMS25825				25				
MMANDMMKDMS32616	32	18	24	16	6	0.3	M6	24...27
MMANDMMKDMS32620				20				
MMANDMMKDMS32816	32	18	24	16	6	0.3	M8	27...32
MMANDMMKDMS32820				20				
MMANDMMKDMS32825				25				

KNOBS, DIMPLED - Steel Screw

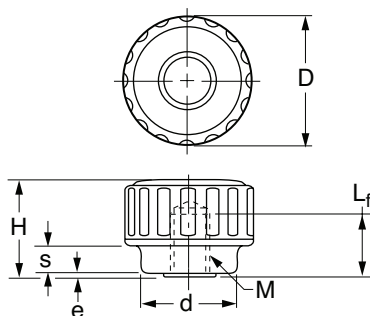


4

• **KNOB** – Nylon 6, Black Matte Finish • **SCREW** – Steel, Trivalent Chromium Plated

Catalog Number	D	H	d	L _m	s	e	M	Weight g
MMANDMMKDM16310	16	11	11	10	2	0.3	M3	5...6
MMANDMMKDM16316				16				
MMANDMMKDM16410	16	11	11	10	2	0.3	M4	5...6
MMANDMMKDM16416				16				
MMANDMMKDM16510	16	11	11	10	2	0.3	M5	6...7
MMANDMMKDM16516				16				
MMANDMMKDM16520				20				
MMANDMMKDM20510	20	14	15	10	4	0.3	M5	10...12
MMANDMMKDM20516				16				
MMANDMMKDM20520				20				
MMANDMMKDM20610	20	14	15	10	4	0.3	M6	10...14
MMANDMMKDM20616				16				
MMANDMMKDM20620				20				
MMANDMMKDM20625				25				
MMANDMMKDM25616	25	18	19	16	6	0.3	M6	18...20
MMANDMMKDM25625				25				
MMANDMMKDM25825	25	18	19	25	6	0.3	M8	20...26
MMANDMMKDM32816	32	18	24	16	6	0.3	M8	27...32
MMANDMMKDM32825				25				

4 KNOBS, DIMPLED



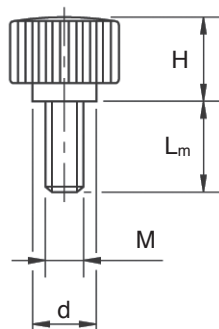
• KNOB – Nylon 6, Black Matte Finish • THREADED INSERT – Stainless Steel

Catalog Number	D	H	d	L _f	s	e	M	Weight g
MMANDFMKDFS1603	16	11	11	5	2	0.3	M3	4
MMANDFMKDFS1604							M4	4
MMANDFMKDFS1605							M5	3
MMANDFMKDFS2005	20	14	15	6	4	0.3	M5	6
MMANDFMKDFS2006							M6	
MMANDFMKDFS2505	25	18	19	9	6	0.3	M5	10
MMANDFMKDFS2506							M6	
MMANDFMKDFS3206	32	18	24	8	6	0.3	M6	15
MMANDFMKDFS3208							M8	

• KNOB – Nylon 6, Black Matte Finish • THREADED INSERT – Steel, Trivalent Chromium Plated

Catalog Number	D	H	d	L _f	s	e	M	Weight g
MMANDFMKDF1603	16	11	11	5	2	0.3	M3	4
MMANDFMKDF1604							M4	4
MMANDFMKDF1605							M5	3
MMANDFMKDF2005	20	14	15	6	4	0.3	M5	6
MMANDFMKDF2006							M6	
MMANDFMKDF2506	25	18	19	9	6	0.3	M6	10
MMANDFMKDF3206	32	18	24	8	6	0.3	M6	15
MMANDFMKDF3208							M8	

KNOBS, DIMPLED

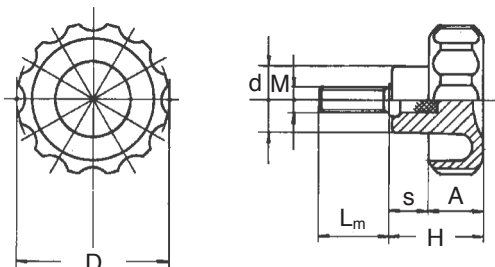
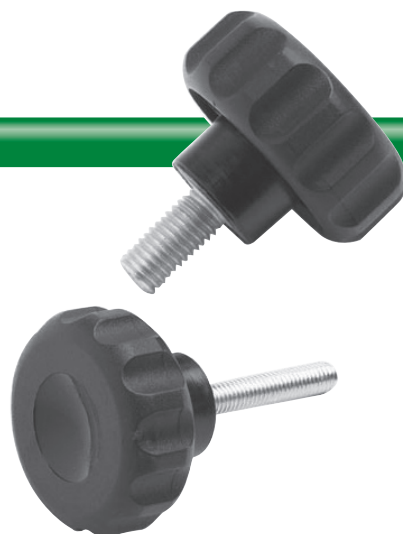


4

• **KNOB** – Bakelite, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	M
MMAYDMM201P05 MMAYDMM201P06	15	11	10	10	M4 M5
MMAYDMM201P11 MMAYDMM201P12	18	18	12	13	M5 M6
MMAYDMM201P21 MMAYDMM201P22	24	18	16	16	M6 M8

KNOB, DIMPLED



4

• KNOB – High-Performance Thermoplastic, Black • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	s	A	M
MMAYDMM201AW002	20	15	12	15	6	9	M4
MMAYDMM201AW011				10			M5
MMAYDMM201AW013				20			M5
MMAYDMM201AW022				15			M6
MMAYDMM201AW024				25			M6
MMAYDMM201AW026				35			M6
MMAYDMM201AW032	30	21	16	15	8.5	12.5	M5
MMAYDMM201AW042				15			M6
MMAYDMM201AW044				25			M6
MMAYDMM201AW046				35			M6
MMAYDMM201AW052				15			M8
MMAYDMM201AW054				25			M8
MMAYDMM201AW056				35			M8
MMAYDMM201AW062	40	27	20	15	11	16	M6
MMAYDMM201AW064				25			M6
MMAYDMM201AW066				35			M6
MMAYDMM201AW073				20			M8
MMAYDMM201AW075				30			M8
MMAYDMM201AW077				40			M8
MMAYDMM201AW085				30			M10
MMAYDMM201AW093	50	32	23	20	13	19	M8
MMAYDMM201AW095				30			M8
MMAYDMM201AW097				40			M8
MMAYDMM201AW102				20			M10
MMAYDMM201AW104				30			M10
MMAYDMM201AW106				40			M10
MMAYDMM201AW117	60	36	26	40	14.5	21.5	M10

KNOB, DIMPLED

Fig. 1

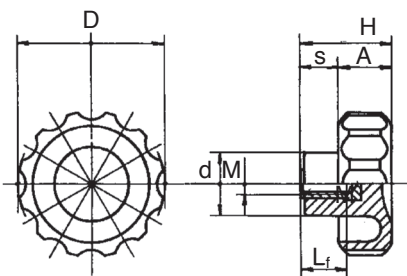


Fig. 2

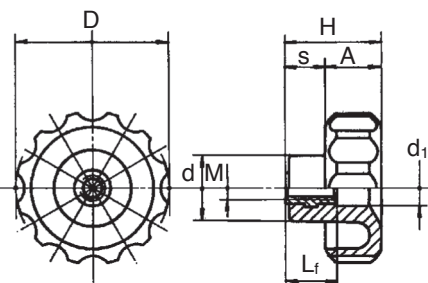


Fig. 1



Fig. 2



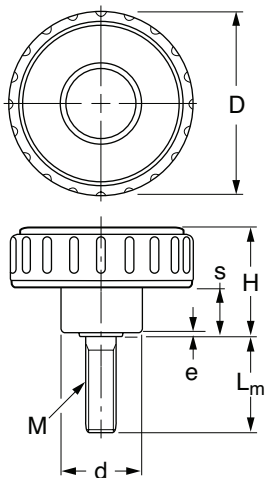
Fig. 1 • **KNOB** – High-Performance Thermoplastic, Black • **THREADED INSERT** – Brass

Catalog Number	D	H	d	L _f	s	A	M
MMAYDFM201BW001	20	15	12	8	6	9	M4
MMAYDFM201BW011							M5
MMAYDFM201BW021							M6
MMAYDFM201BW031	30	21	16	8	8.5	12.5	M5
MMAYDFM201BW041							M6
MMAYDFM201BW051							M8
MMAYDFM201BW061	40	27	20	8	11	16	M6
MMAYDFM201BW071							M8
MMAYDFM201BW081							M10
MMAYDFM201BW091	50	32	23	8	13	19	M8
MMAYDFM201BW101							M10
MMAYDFM201BW111	60	36	26	8	14.5	21.5	M10
MMAYDFM201BW121							M12

Fig. 2 • **KNOB** – High-Performance Thermoplastic, Black
• **THREADED INSERT** – Brass • **THROUGH HOLE**

Catalog Number	D	H	d	d ₁	L _f	s	A	M
MMAYDFM201BWP011	20	15	12	8	10	6	9	M5
MMAYDFM201BWP021								M6
MMAYDFM201BWP031	30	21	16	10	10	8.5	12.5	M5
MMAYDFM201BWP041								M6
MMAYDFM201BWP051								M8
MMAYDFM201BWP061	40	27	20	12	15	11	16	M6
MMAYDFM201BWP071								M8
MMAYDFM201BWP081								M10
MMAYDFM201BWP091	50	32	23	14	20	13	19	M8
MMAYDFM201BWP101								M10
MMAYDFM201BWP111	60	36	26	14	20	14.5	21.5	M10
MMAYDFM201BWP121								M12

KNOBS, DIMPLED - Large Type



4

• **KNOB** – Nylon 6, Black Matte Finish • **SCREW** – Steel, Trivalent Chromium Plated or Stainless Steel

Catalog Number		D	H	d	L _m	s	e	M	Weight g
Steel Screw	Stainless Steel Screw								
MMANDMMRM320510	MMANDMMRMS320510	32	22	15	10	10	0.3	M5	13
MMANDMMRM320516	MMANDMMRMS320516				16				14
MMANDMMRM320520	MMANDMMRMS320520				20				15
MMANDMMRM400610	MMANDMMRMS400610	40	25	17	10	11	0.3	M6	20
MMANDMMRM400620	MMANDMMRMS400620				20				22
MMANDMMRM500816	MMANDMMRMS500816	50	30	20	16	13.5	0.3	M8	36
MMANDMMRM500820	MMANDMMRMS500820				20				38
MMANDMMRM631030	MMANDMMRMS631030	63	35	23	30	15	0.3	M10	78
MMANDMMRM631050	MMANDMMRMS631050				50				90

KNOB, DIMPLED - Large Type

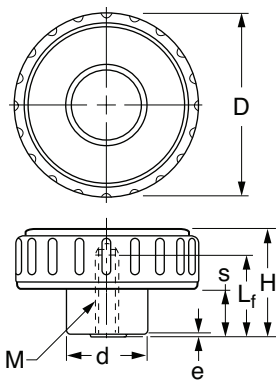


Fig. 1

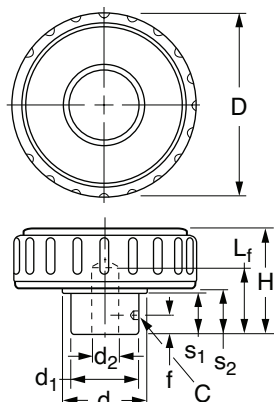


Fig. 2

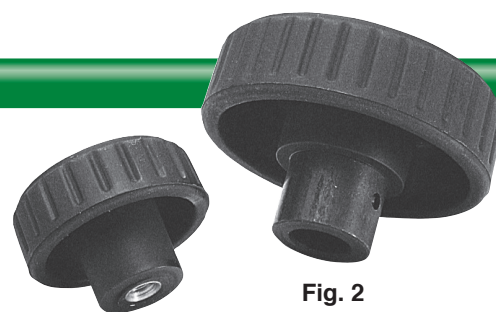


Fig. 1

Fig. 2

Fig. 1 • **KNOB** – Nylon 6, Black Matte Finish

• **THREADED INSERT** – Steel, Trivalent Chromium Plating or Stainless Steel

Catalog Number		D	H	d	L _f
Steel Insert	Stainless Steel Insert				
MMANDFMRF3205	MMANDFMRFS3205	32	22	15	10
MMANDFMRF4006	MMANDFMRFS4006	40	25	17	15
MMANDFMRF5008	MMANDFMRFS5008	50	30	20	18
MMANDFMRF6310	MMANDFMRFS6310	63	35	23	20

Catalog Number		s	e	M	Weight g
Steel Insert	Stainless Steel Insert				
MMANDFMRF3205	MMANDFMRFS3205	10	0.3	M5	15
MMANDFMRF4006	MMANDFMRFS4006	11	0.3	M6	17
MMANDFMRF5008	MMANDFMRFS5008	13.5	0.3	M8	27
MMANDFMRF6310	MMANDFMRFS6310	15	0.3	M10	55

Fig. 2 • **KNOB** – Nylon 6, Black Matte Finish • **HUB** – Steel, Black Oxide • **PILOT HOLE FOR PINNING**

Catalog Number	D	H	d	d ₁	d ₂	L _f	s ₁	s ₂
MMANDFMRR4008	40	25	19	14	8	15	9	11
MMANDFMRR5010	50	32	22	17	10	19	13	15.5
MMANDFMRR6312	63	40	26	21	12	23	17	20

Catalog Number	f	C	Weight g
MMANDFMRR4008	7	2.8	31
MMANDFMRR5010	8	2.8	48
MMANDFMRR6312	10	3.8	89

KNOBs, ASSORTED



Fig. 1



Fig. 2



Fig. 3

Color Code Color

B	Black
R	Red
G	Gray
Y	Yellow

Using data below, insert desired Head Color Code in the box in the catalog number:

MMAA6FM G 8398935 is a Gray Six-Lobed Knob with a 38 mm Head Dia. for an M8 Screw.

Method of Assembly to MD0912MQB series Cap Screws



1. Preassemble into ribbed retaining socket.
2. Simply press screw to shear and lock.

4

Fig. 1 • **KNURLED KNOB** – Delrin 500

Priced per 100 pieces

Catalog Number	Fits Screw	D	s	D ₁
MMAAJFM 8398928	M3	9.6	4.4	8.3
MMAAJFM 8398929	M4	13	5.5	9.8
MMAAJFM 8398930	M5	16	6.5	11.5
MMAAJFM 8398931	M6	19	7.6	13
MMAAJFM 8398932	M6	26	7.8	13
MMAAJFM 8398933	M8	26	9.8	16

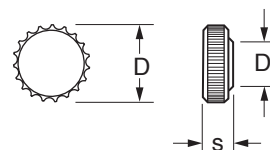


Fig. 1

Fig. 2 • **SIX-LOBED KNOB** – Delrin 500

Priced per 100 pieces

Catalog Number	Fits Screw	D	s	D ₁
MMAA6FM 8398934	M6	38	12.2	14.1
MMAA6FM 8398935	M8		10	16
MMAA6FM 8398936	M10		12.5	19.5

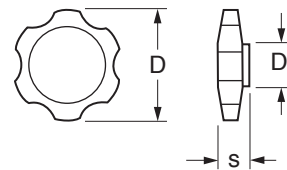


Fig. 2

Fig. 3 • **WING KNOB** – Delrin 500

Priced per 100 pieces

Catalog Number	Fits Screw	D	s	D ₁
MMAA1FM 8398937	M5	26	6.6	12
MMAA1FM 8398938	M6	30	7.8	13.5
MMAA1FM 8398939	M8	38	10	16.5
MMAA1FM 8398940	M10	45	12.5	20

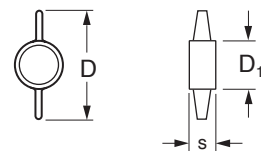
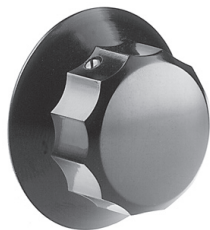


Fig. 3

• ASSORTED KNOB KITS

Catalog Number	Description
MMAAJFMKIT005	300-piece Knurled Knob kit; 25 black, 15 red and 10 gray of each size: M3, M4, M5, M6 X 19, M6 X 26 and M8 in plastic case
MMAA6FMKIT006	150-piece Six-Lobed Knob kit; 25 black and 25 grey of each size: M6, M8 and M10 in plastic case.
MMAA1FMKIT007	300-piece Wing Knob kit; 25 black, 25 red and 25 gray of each size: M5, M6, M8 and M10 in plastic case.

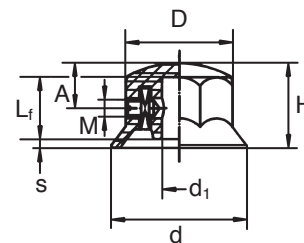




• **TURNING KNOB** – Bakelite, Black • **BLIND HOLE OR**
* **INTERIOR SURFACE & SET SCREW** – Steel, Black Oxide

Catalog Number	D	H	d	d ₁	L _f
MMAXBFM2401	19	15	24	6.1	11
MMAXBFM2402	28	20	40	6.1	14.5
* MMAXBFM2403	43	22	52	6.1	16

Catalog Number	s	A	M	Weight g
MMAXBFM2401	1.7	5.5	M3	5
MMAXBFM2402	2.5	8	M3	11
* MMAXBFM2403	1.3	14	M5	34



4



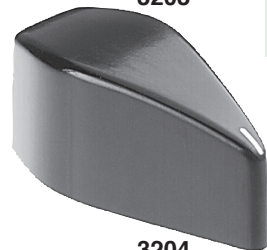
3201



3202



3203

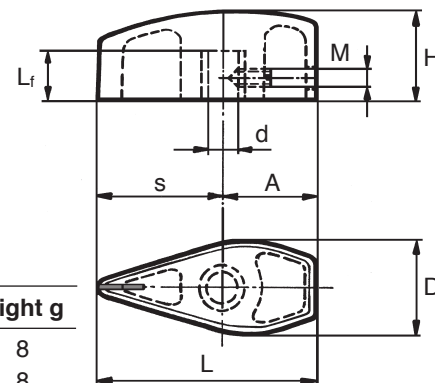


3204

• **ARROW KNOB** – Bakelite, Black
• **INSERT WITHOUT THREAD** – Brass
• **SET SCREW** – Steel, Black Oxide

Catalog Number	D	H	L _f	L
MMAXBFM3201	19	16	10	32
MMAXBFM3202		14.5		36
MMAXBFM3203		17		44
MMAXBFM3204		18.5		45

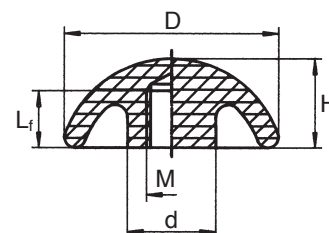
Catalog Number	s	A	d	M	Weight g
MMAXBFM3201	16	16			8
MMAXBFM3202	11.5	24.5			8
MMAXBFM3203	24	20	6	M4	10
MMAXBFM3204	25.5	19.5			14



• **SEMISPHERICAL KNOB** – Bakelite, Black
• **THREADED HOLE WITHOUT INSERT**

Catalog Number	D	H	d	L _f
MMAXBFM4601	37.5	16	16	11

Catalog Number	M	Weight g
MMAXBFM4601	M10	11



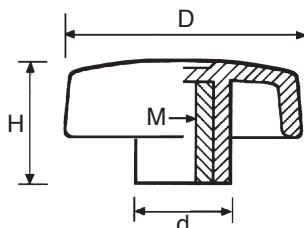


Fig. 1

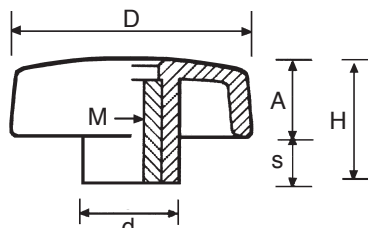


Fig. 2

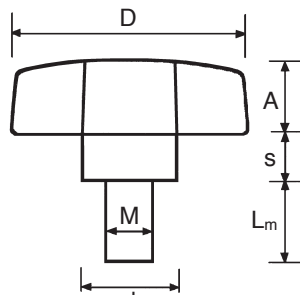


Fig. 3

Fig. 1

Fig. 2

Fig. 3

Fig. 1 • KNOB – Nylon 6, Black • THREADED INSERT – Steel, Zinc Plated

Catalog Number	D	H	d	s	A	M	Weight g
MMAX1FM5301	28	13	11	3	10	M5	5
MMAX1FM5302	40	20	15	8	12	M6	12
MMAX1FM5303	50	24		9	15	M8	13
MMAX1FM5304	60	30	19	12	18	M10	27

Fig. 2 • KNOB – Nylon 6, Black • THREADED INSERT – Steel, Zinc Plated • THROUGH HOLE

Catalog Number	D	H	d	s	A	M	Weight g
MMAX1FM5319	28	13	11	3	10	M5	4
MMAX1FM5320	40	20	15	8	12	M6	10
MMAX1FM5321	50	24		9	15	M8	11
MMAX1FM5322	60	30	19	12	18	M10	24

Fig. 3 • KNOB – Nylon 6, Black • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	s	L _m	A	M	Weight g
MMAX1MM5305	28	13	11	3	10	10	M5	6
MMAX1MM5306					15			6
MMAX1MM5307					20			7
MMAX1MM5308	40	20	15	8	15	12	M6	13
MMAX1MM5309					20			13
MMAX1MM5310					25			14
MMAX1MM5311					35			16
MMAX1MM5312	50	24	15	9	20	15	M8	24
MMAX1MM5313					25			25
MMAX1MM5314					35			27
MMAX1MM5315					40			29
MMAX1MM5316	60	30	19	12	20	18	M10	43
MMAX1MM5317					30			48
MMAX1MM5318					40			53

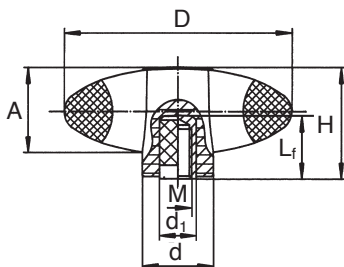


Fig. 1

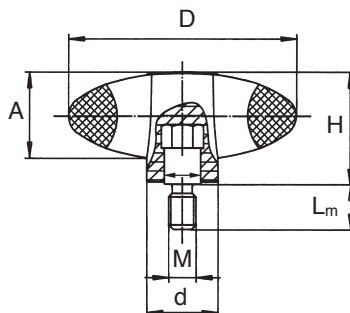


Fig. 2

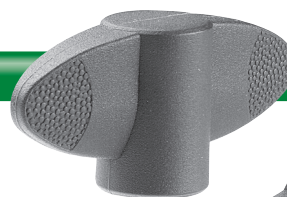


Fig. 1



Fig. 2

Fig. 1 • KNOB – Nylon 6, Anthracite Gray • THREADED INSERT – Brass

Catalog Number	D	H	d	d ₁	L _f	A	M	Weight g
MMAX2FM7000	35	17	11	7	7	13	M4	4
MMAX2FM7001	35	17	11	7	7	13	M5	4
MMAX2FM7010	50	24	15.6	8	12	19	M6	10
MMAX2FM7011	50	24	15.6	8	12	19	M6	10
MMAX2FM7012	50	24	15.6	10	16	19	M8	13
MMAX2FM7020	70	33.5	18	13	20	26	M10	22
MMAX2FM7021	70	33.5	18	13	20	26	M10	29

Fig. 2 • KNOB – Nylon 6, Anthracite Gray • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	A	M	Weight g
MMAX2MM7002	35	17	11	7	15	13	M4	6
MMAX2MM7003				8	18		M5	7
MMAX2MM7004				8	10		M4	7
MMAX2MM7005	35	17	11	8	20	13	M4	7
MMAX2MM7006					10		M5	7
MMAX2MM7007					25		M5	9
MMAX2MM7013	50	24	15.6	8	18	19	M5	13
MMAX2MM7014				8	10		M6	14
MMAX2MM7015				10	14		M8	21
MMAX2MM7016	50	24	15.6	8	10	19	M5	12
MMAX2MM7017					25		M5	14
MMAX2MM7018					20		M6	14
MMAX2MM7019					32		M6	16
MMAX2MM7022	70	33.5	18	10	14	26	M8	30
MMAX2MM7023				12	18		M10	41
MMAX2MM7024				12	20		M8	29
MMAX2MM7025	70	33.5	18	12	30	26	M8	32
MMAX2MM7026				12	40		M8	35
MMAX2MM7027				14	25		M10	44
MMAX2MM7028				14	30		M10	46
MMAX2MM7029				14	40		M10	51
MMAX2MM7030				12	20	19	M8	22
MMAX2MM7031	50	24	15.6	12	30			24
MMAX2MM7032					40			27

KNOB, THREE-LOBED

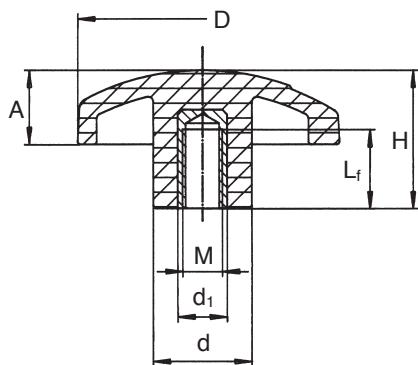


Fig. 1

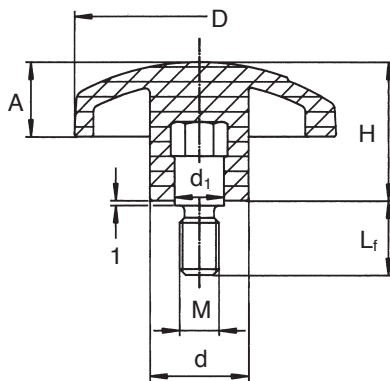


Fig. 2

Fig. 1

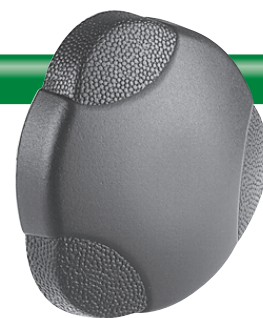


Fig. 2

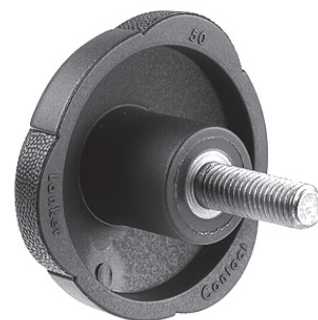


Fig. 1 • **KNOB** – Nylon 6, Anthracite Gray • **THREADED INSERT** – Brass

Catalog Number	D	H	d	d ₁	L _f	A	M	Weight g
MMAX3FM6401	40	22.4	16	8	12	12	M6	18
MMAX3FM6402				10	11		M8	16
MMAX3FM6405	50	28	20	10	16	15	M8	36
MMAX3FM6406				13	16		M10	32
MMAX3FM6409	60	33.6	24	13	20	18.4	M10	58
MMAX3FM6410				15	21		M12	52

Fig. 2 • **KNOB** – Nylon 6, Anthracite Gray • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _f	A	M	Weight g
MMAX3MM6403	40	22.7	16	8	10	12	M6	23
MMAX3MM6404				10	14		M8	26
MMAX3MM6407	50	28	20	10	14	15	M8	44
MMAX3MM6408				12	18		M10	46
MMAX3MM6411	60	33.3	24	14	18	18.4	M10	77
MMAX3MM6412					25		M12	84
MMAX3MM6413	40	22.7	16	8	20	12	M6	25
MMAX3MM6414				8	32		M6	27
MMAX3MM6415				10	25		M8	29
MMAX3MM6416				10	35		M8	32
MMAX3MM6417	50	28	20	12	25	15	M8	47
MMAX3MM6418				12	30		M8	49
MMAX3MM6419				12	40		M8	52
MMAX3MM6420				14	30		M10	54
MMAX3MM6421				14	40		M10	59
MMAX3MM6422	60	33.3	24	14	30	18.4	M10	66
MMAX3MM6423					40		M10	87
MMAX3MM6424					30		M12	89
MMAX3MM6425					40		M12	95

KNOB, TRIANGULAR

RoHS
COMPLIANT

4

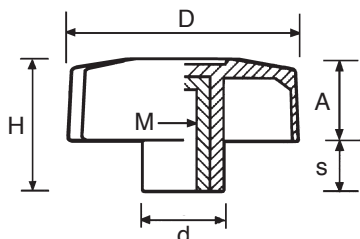


Fig. 1

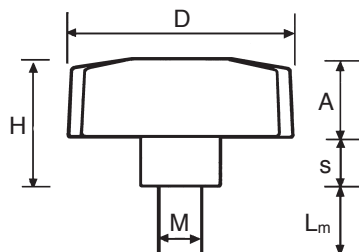


Fig. 2

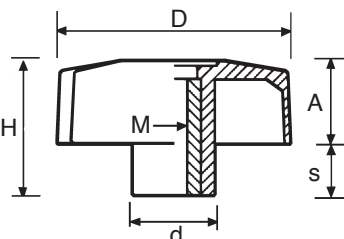


Fig. 3

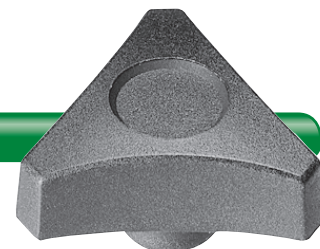


Fig. 1

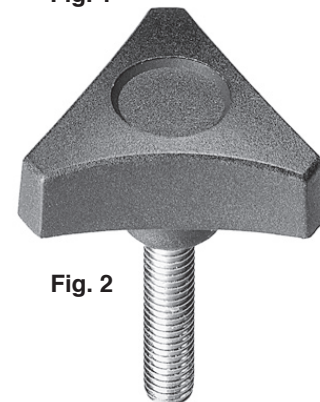


Fig. 2

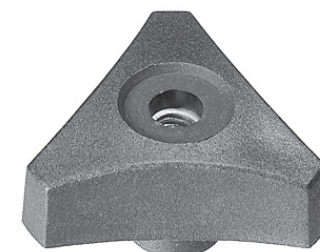


Fig. 3

Fig. 1 • **KNOB** – Nylon 6, Black • **THREADED INSERT** – Steel, Zinc Plated

Catalog Number	D	H	d	s	A	M	Weight g
MMAX4FM5401	28	17	11	6	11	M5	7
MMAX4FM5402	40	20	15	8	12	M6	13
MMAX4FM5403	50	24	15	9	15	M8	15
MMAX4FM5404	60	30	19	12	18	M10	30

Fig. 2 • **KNOB** – Nylon 6, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	s	A	M	Weight g
MMAX4MM5405	28	17	11	10	6	11	M5	7
MMAX4MM5406				15				7
MMAX4MM5407				20				8
MMAX4MM5408	40	20	15	15	8	12	M6	14
MMAX4MM5409				20				15
MMAX4MM5410				25				16
MMAX4MM5411				35				17
MMAX4MM5412	50	24	15	20	9	15	M8	25
MMAX4MM5413				25				27
MMAX4MM5414				35				29
MMAX4MM5415				40				31
MMAX4MM5416	60	30	19	20	12	18	M10	47
MMAX4MM5417				30				51
MMAX4MM5418				40				56

Fig. 3 • **KNOB** – Nylon 6, Black • **THREADED INSERT** – Steel, Zinc Plated
• **THROUGH HOLE**

Catalog Number	D	H	d	s	A	M	Weight g
MMAX4FM5419	28	17	11	6	11	M5	7
MMAX4FM5420	40	20	15	8	12	M6	13
MMAX4FM5421	50	24	15	9	15	M8	15
MMAX4FM5422	60	30	19	12	18	M10	30

KNOB, FOUR-LOBED

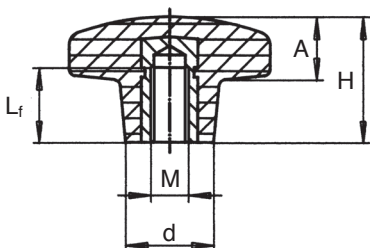


Fig. 1

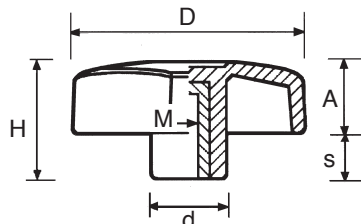


Fig. 2

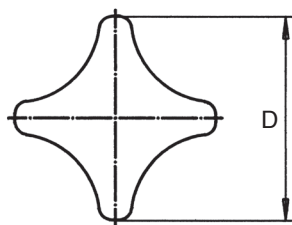


Fig. 1



Fig. 2

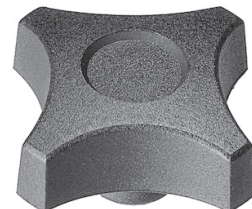


Fig. 1 • **KNOB** – Bakelite, Black • **THREADED INSERT** – Steel, Zinc Plated • DIN 6335

Catalog Number	D	H	d	L _r	A	M	Weight g
MMAX5FM4801	32	20	14	12	10	M6	11
MMAX5FM4802	40	26	17	15	12	M8	19
MMAX5FM4803	50	33	22	20	14	M10	33
MMAX5FM4804	63	40	27	25	18	M12	60
MMAX5FM4805	80	52	34	25	25	M16	135

Fig. 2 • **KNOB** – Nylon 6, Black • **THREADED INSERT** – Steel, Zinc Plated

Catalog Number	D	H	d	s	A	M	Weight g
MMAX5FM5601	28	17	11	6	11	M5	7
MMAX5FM5602	40	20	15	8	12	M6	12
MMAX5FM5603	50	24	19	9	15	M8	16
MMAX5FM5604	60	30	19	12	18	M10	31

KNOBs, FOUR-LOBED

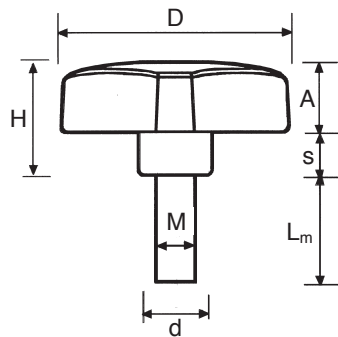


Fig. 1

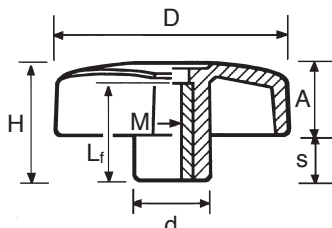


Fig. 2

Fig. 1

Fig. 2

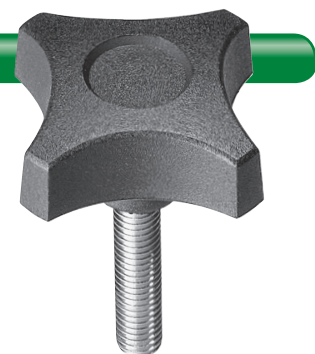


Fig. 1 • **KNOB** – Nylon 6, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	s	A	M	Weight g
MMAX5MM5605	28	17	11	10	6	11	M5	7
MMAX5MM5606				15				8
MMAX5MM5607				20				9
MMAX5MM5608	40	20	15	15	8	12	M6	13
MMAX5MM5609				20				14
MMAX5MM5610				25				16
MMAX5MM5611				35				17
MMAX5MM5612	50	24	15	20	9	15	M8	26
MMAX5MM5613				25				28
MMAX5MM5614				35				31
MMAX5MM5615				40				33
MMAX5MM5616	60	30	19	20	12	18	M10	47
MMAX5MM5617				30				52
MMAX5MM5618				40				57

Fig. 2 • **KNOB** – Nylon 6, Black • **THREADED INSERT** – Brass • **THROUGH HOLE**

Catalog Number	D	H	d	L _f	s	A	M	Weight g
MMAX5FM5619	28	17	11	14.5	6	11	M5	7
MMAX5FM5620	40	20	15	17.5	8	12	M6	12
MMAX5FM5621	50	24	19	21.5	9	15	M8	16
MMAX5FM5622	60	30	19	27.5	12	18	M10	31

KNOB, FIVE- & THREE-LOBED

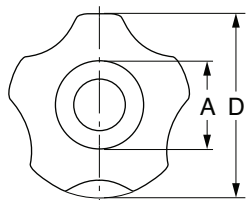


Fig. 1

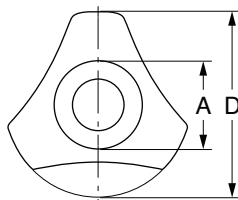


Fig. 2

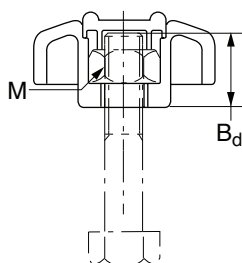
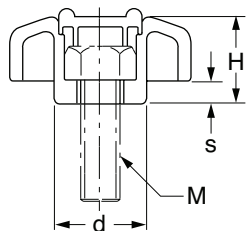


Fig. 1

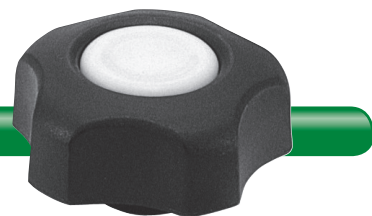


Fig. 2



To use: First, place a hex nut or the hex head of a bolt into the hexagonal hole of the knob. Next, push 2 of the 3 tabs of the cap into the knob. Finally, press the third tab into the knob with a spatula or a flat surface. If using a nut in the knob, take care not to extend the bolt too far into the knob.

Fig. 1 • **KNOB** – Nylon 66, Black • **CAP** – Polypropylene, White or Orange

Catalog Number	D	A	H	d	s	B _d	M	Weight g
MMANEFMSK34WH MMANEFMSK34YW	34	15	16	18	4	14	M6	5
MMANEFMSK38WH MMANEFMSK38YW	38	18	18	20	4	15	M8	10
MMANEFMSK43WH MMANEFMSK43YW	43	21	22	22	6	18	M10	15
MMANEFMSK53WH MMANEFMSK53YW	53	25	22	26	4	14	M12	20

Fig. 2 • **KNOB** – Nylon 66, Black • **CAP** – Polypropylene, White or Orange

Catalog Number	D	A	H	d	s	B _d	M	Weight g
MMANEFMSS37WH MMANEFMSS37YW	37	15	16	16	3.5	14	M6	5
MMANEFMSS42WH MMANEFMSS42YW	42	18	19	20	4.5	15	M8	10
MMANEFMSS47WH MMANEFMSS47YW	47	21	23	23	6	18	M10	15

NOTE: WH - White Cap
YW - Orange Cap

KNOBS, FIVE-LOBED

4

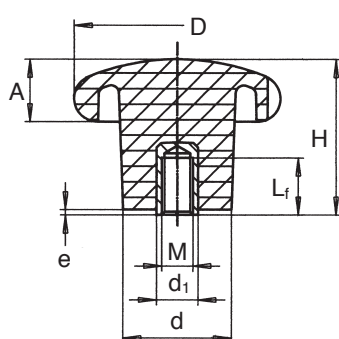


Fig. 1

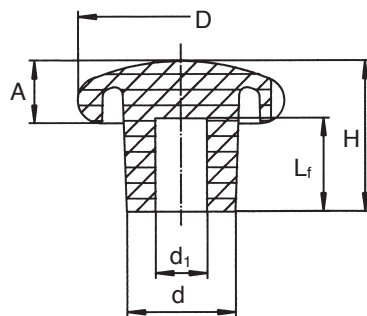


Fig. 2

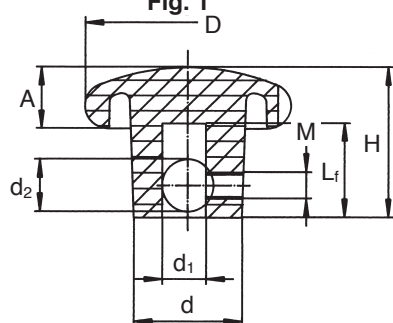


Fig. 3

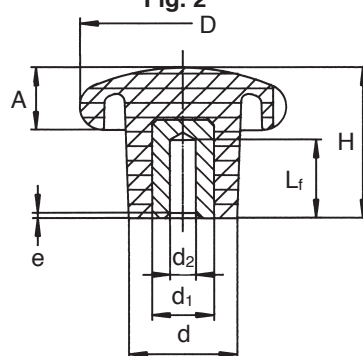


Fig. 4

Fig. 2

Fig. 4

Fig. 1

Fig. 3

Fig. 1 • **KNOB** – Bakelite, Black • **THREADED INSERT** – Brass

Catalog Number	D	H	d	d ₁	L _f	A	e	M	Weight g
MMAX6FM1500	40	30	21	8	12	12	1	M6	24
MMAX6FM1501	40	30	21	10	16	12	1	M8	25
MMAX6FM1502	50	36	21	10	16	14	1	M8	35
MMAX6FM1503	60	44	24	13	20	17	1	M10	61
MMAX6FM1504	60	44	24	15	25	17	1	M12	65

Fig. 2 • **KNOB** – Bakelite, Black • **BLIND HOLE**

Catalog Number	D	H	d	d ₁ (+0.1/0)	L _f	A	Weight g
MMAX6FM1509	40	29	21	10	18	12	19
MMAX6FM1510	50	35	21	12	23	14	28
MMAX6FM1511	60	43	24	12	28	17	47

Fig. 3 • **KNOB** – Bakelite, Black • **BLIND D-HOLE** • **SET SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	d ₂ (+0.1/0)	L _f	A	M	Weight g
MMAX6FM1512	40	29	21	8.5	10	18	12	M4	20
MMAX6FM1513	50	35	21	10	12	23	14	M4	29
MMAX6FM1514	60	43	24	10	12	28	17	M5	48

Fig. 4 • **KNOB** – Bakelite, Black • **INSERT WITHOUT THREAD** – Brass

Catalog Number	D	H	d	d ₁	d ₂ (+0.1/0)	L _f	A	e	Weight g
MMAX6FM1515	40	30	21	12	5	15	12	1	34
MMAX6FM1516	50	36	21	12	5	15	14	1	43
MMAX6FM1517	60	44	24	14	6	24	17	1	74

KNOB, FIVE-LOBED

Fig. 1

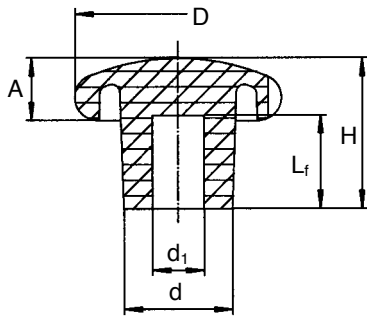


Fig. 1

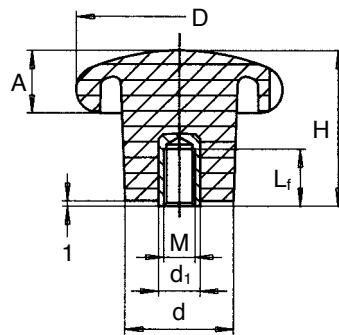


Fig. 2



Fig. 2



Fig. 3

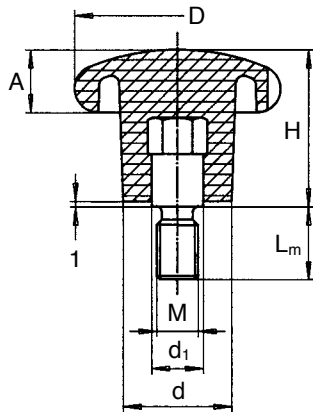


Fig. 3

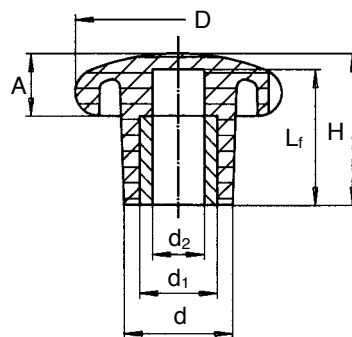


Fig. 4



Fig. 4

Fig. 1 • **KNOB** – Nylon 6, Black • **BLIND HOLE**

Catalog Number	D	H	d	d ₁ (+0.1/0)	L _f	A	Weight g
MMAX6FM1518	50	36	21	10	23	15	30

Fig. 2 • **KNOB** – Nylon 6, Black • **THREADED INSERT** – Brass

Catalog Number	D	H	d	d ₁	L _f	A	M	Weight g
MMAX6FM1519	50	36	21	12	16	15	M8	40

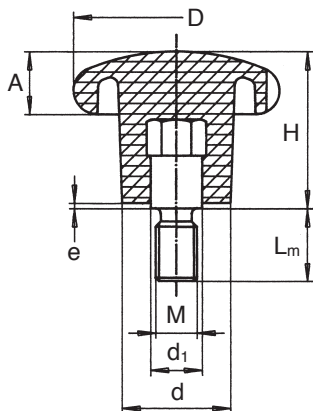
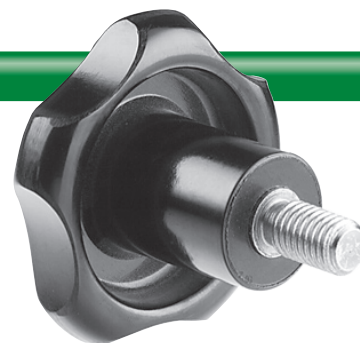
Fig. 3 • **KNOB** – Nylon 6, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	A	M	Weight g
MMAX6MM1520	50	36	21	10	14	15	M8	45

Fig. 4 • **KNOB** – Nylon 6, Black • **INSERT WITHOUT THREAD** – Brass

Catalog Number	D	H	d	d ₁	d ₂ (+0.1/0)	L _f	A	Weight g
MMAX6FM1521	50	36	21	15	10	32	15	35

KNOBS, FIVE-LOBED



4

• **KNOB** – Bakelite, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	A	e	M	Weight g
MMAX6MM1505	40	30	21	10	14	12	1	M8	86
MMAX6MM1506	50	36	21	10	14	14	1	M8	43
MMAX6MM1507	60	44	24	12	18	17	1	M10	72
MMAX6MM1508				14	25			M12	85
MMAX6MM1555					10			M6	34
MMAX6MM1556					20			M6	43
MMAX6MM1557	40	30	21	10	32	12	1	M6	73
MMAX6MM1559					25			M8	38
MMAX6MM1560					35			M8	41
MMAX6MM1561	50	36	21	10	25	14	1	M8	48
MMAX6MM1562					35				52
MMAX6MM1563				12	30			M10	81
MMAX6MM1564				12	40			M10	85
MMAX6MM1565	60	44	24	14	30	17	1	M12	99
MMAX6MM1566				14	40			M12	106

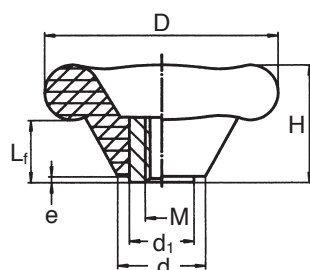


Fig. 1

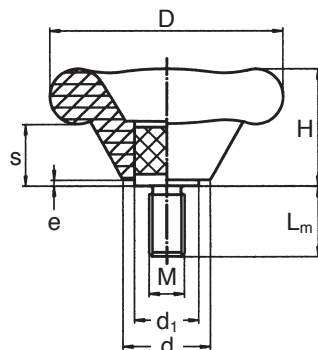


Fig. 2



Fig. 1



Fig. 2

Fig. 1 • **KNOB** – Polystyrene, Reinforced, Black • **THREADED INSERT** – Brass

Catalog Number	D	H	d	d ₁	L _r	e	M	Weight g
MMAX7FM3601	40	20	15	11	11	1	M4	16
MMAX7FM3602							M6	14
MMAX7FM3603							M8	13
MMAX7FM3610							M5	15

Fig. 2 • **KNOB** – Polystyrene, Reinforced, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	s	e	M	Weight g
MMAX7MM3604	40	20	15	11	18	11	1	M5	18
MMAX7MM3605					12			M6	17
MMAX7MM3606					20			M6	19
MMAX7MM3607					16			M8	20
MMAX7MM3608					20			M8	22
MMAX7MM3609					25			M8	24

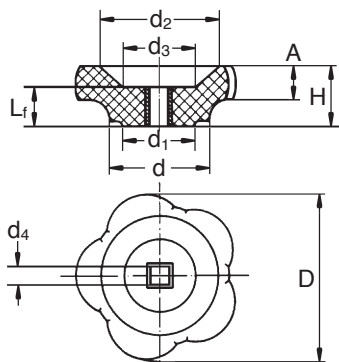


Fig. 1

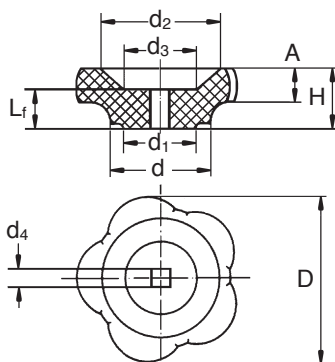


Fig. 2

Fig. 1

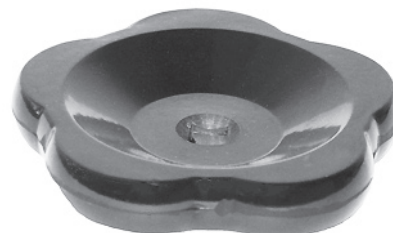


Fig. 2

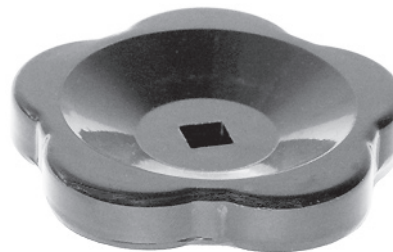


Fig. 1 • KNOB – Bakelite, Black • SQUARE HOLE WITH INSERT – Brass

Catalog Number	D	H	d	d ₁	d ₂	d ₃	d ₄	L _f	A	Weight g
MMAX7FM3410	50	18	30		36	22	6 X 6		10	26
MMAX7FM3411	63	20	34	22	47	24	7 X 7	12	11	43
MMAX7FM3412	80	22	38		58	28	8 X 8		12	72
MMAX7FM3413	100	25	42	28	74	30	9 X 9	14	14	128

Fig. 2 • KNOB – Bakelite, Black • SQUARE HOLE WITHOUT INSERT

Catalog Number	D	H	d	d ₁	d ₂	d ₃	d ₄	L _f	A	Weight g
MMAX7FM3420	50	18	30	22	36	22	6 X 6	12	10	25
MMAX7FM3421							7 X 7			
MMAX7FM3422	63	20	34	22	47	23	6 X 6	12	11	42
MMAX7FM3423						24	7 X 7			
MMAX7FM3424	80	22	38	28	58	28	8 X 8	14	12	71
MMAX7FM3425							9 X 9			

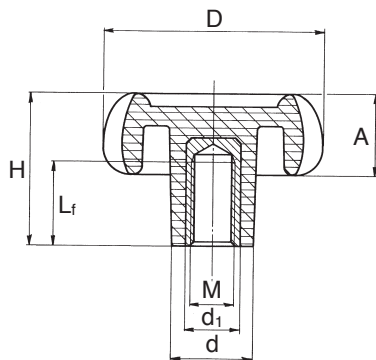


Fig. 1

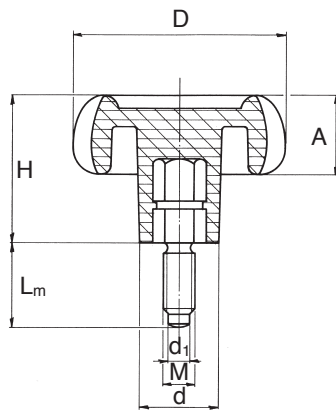


Fig. 2

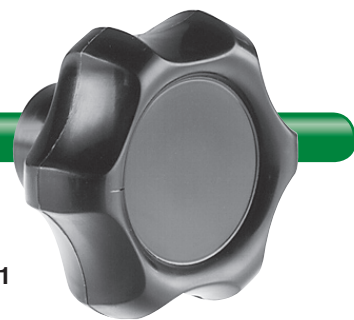


Fig. 1



Fig. 2

Fig. 1 • **KNOB** – Nylon 6, Black • **THREADED INSERT** – Brass

Catalog Number	D	H	d	d ₁	L _f	A	M	Weight g
MMAX6FM4501	40	28	16	8	12	15	M6	16
MMAX6FM4502				10	16		M8	19

Fig. 2 • **KNOB** – Nylon 6, Black • **SCREW** – Steel, Zinc Plated

Catalog Number	D	H	d	d ₁	L _m	A	M	Weight g
MMAX6MM4503	40	28	16	4	16	15	M6	23
MMAX6MM4504					20			26
MMAX6MM4505	40	28	16	6	25	15	M8	28
MMAX6MM4506					35			31

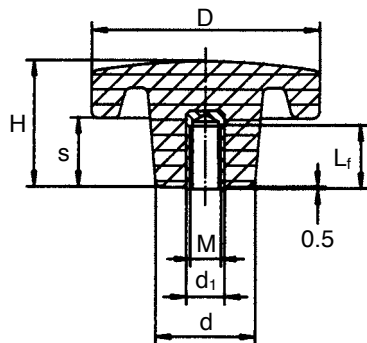


Fig. 1

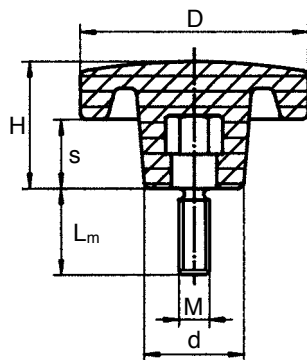


Fig. 2

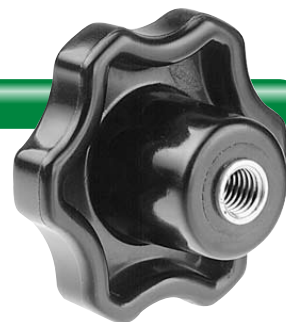


Fig. 1



Fig. 2

Fig. 1 • KNOB – Bakelite, Black • THREADED INSERT – Brass

Catalog Number	D	H	d	d ₁	L _f	s	M	Weight g
MMAX6FM4701	40	25	20	10	16	14	M8	23
MMAX6FM4702	50	30	22	10	16	17	M8	38
MMAX6FM4703	60	35	26	13	20	18	M10	57
MMAX6FM4704	75	40	32	15	25	24	M12	103

Fig. 2 • KNOB – Bakelite, Black • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	s	M	Weight g
MMAX6MM4705	40	25	20	14	14	M8	31
MMAX6MM4706	50	30	22	14	17	M8	45
MMAX6MM4707	60	33	26	18	18	M10	70
MMAX6MM4708	75	40	32	25	24	M12	130

KNOBS, SCALLOP

RoHS
COMPLIANT

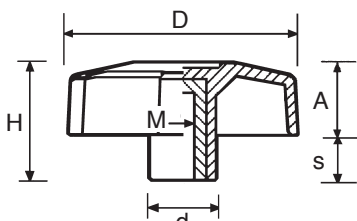


Fig. 1

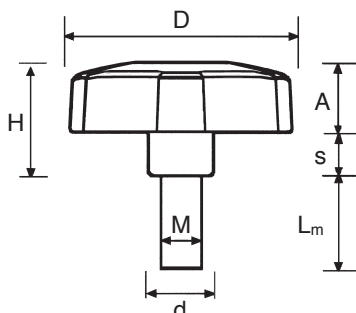


Fig. 2

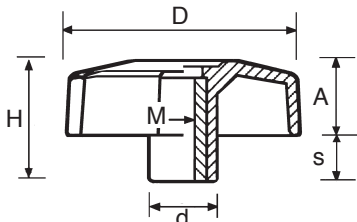


Fig. 3



Fig. 2



Fig. 1

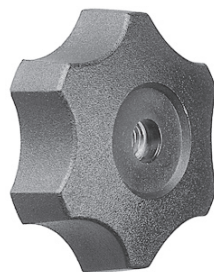


Fig. 3

Fig. 1 • KNOB – Nylon 6, Black • THREADED INSERT – Brass

Catalog Number	D	H	d	s	A	M	Weight g
MMAX8FM5501	28	17	11	6	11	M5	7
MMAX8FM5502	40	20	15	8	12	M6	15
MMAX8FM5503	50	24	15	9	15	M8	18
MMAX8FM5504	60	30	19	12	18	M10	35

Fig. 2 • KNOB – Nylon 6, Black • Screw – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	s	A	M	Weight g
MMAX8MM5505	28	17	11	10	6	11	M5	8
MMAX8MM5506				15				9
MMAX8MM5507				20				10
MMAX8MM5508	40	20	15	15	8	12	M6	15
MMAX8MM5509				20				16
MMAX8MM5510				25				17
MMAX8MM5511				35				18
MMAX8MM5512	50	24	15	20	9	15	M8	28
MMAX8MM5513				25				30
MMAX8MM5514				35				32
MMAX8MM5515				40				34
MMAX8MM5516	60	30	19	20	12	18	M10	49
MMAX8MM5517				30				55
MMAX8MM5518				40				60

Fig. 3 • KNOB – Nylon 6, Black • THROUGH HOLE & THREADED INSERT – Brass

Catalog Number	D	H	d	s	A	M	Weight g
MMAX8FM5519	28	17	11	6	11	M5	7
MMAX8FM5520	40	20	15	8	12	M6	15
MMAX8FM5521	50	24	15	9	15	M8	18
MMAX8FM5522	60	30	19	12	18	M10	35

KNOBs, SPHERICAL

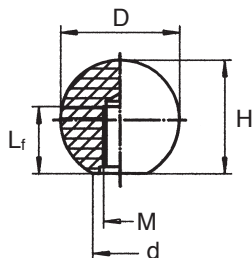


Fig. 1

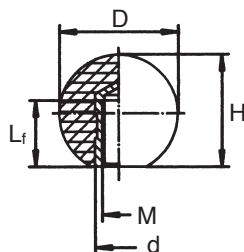


Fig. 2



Fig. 1



Fig. 2

Fig. 1 • **KNOB** – Bakelite, Black • **THREADED HOLE WITHOUT INSERT**

Catalog Number	D	H	d	L _f	M	Weight g
MMAX9FM1001	12	11	5	8	M4	1
MMAX9FM1002	16	15	9			3
MMAX9FM1003	18	17	10	10	M5	4
MMAX9FM1004	20	18.5				5
MMAX9FM1005	22	20.3	12	13	M6	7
MMAX9FM1006	25	23	15	12		10
MMAX9FM1007	28	26	15	20	M8	13
MMAX9FM1008	30	28		18		17
MMAX9FM1009	36	34	15	22	M6	33
MMAX9FM1010	36	34	16	20		31
MMAX9FM1011	40	37	19	25	M10	42
MMAX9FM1012	45	43.5	17	20		64
MMAX9FM1013	45	43.5	17	27		62
MMAX9FM1014	50	48.5	22	25	M12	83
MMAX9FM1015	56	53.8	22	20		125

Fig. 2 • **KNOB** – Bakelite, Black • **THREADED INSERT** – Steel, Zinc Plated

Catalog Number	D	H	d	L _f	M	Weight g
MMAX9FM1016	16	15.3	7	9	M4	4
MMAX9FM1017	18	16.5	10			5
MMAX9FM1018	20	18.5	9	10	M5	8
MMAX9FM1019	22	20.2	12	11	M6	10
MMAX9FM1020	25	24	10	12		14
MMAX9FM1021	28	26.5	15	16	M8	19
MMAX9FM1022	30	28.5				23
MMAX9FM1023	36	34.2	16			42
MMAX9FM1024	40	38.1	17	20	M10	62
MMAX9FM1025	45	43.2	18			75
MMAX9FM1026	45	43.2	18			85
MMAX9FM1027	50	48	22	22	M12	105
MMAX9FM1028	56	53	22			150



Fig. 1



Fig. 2

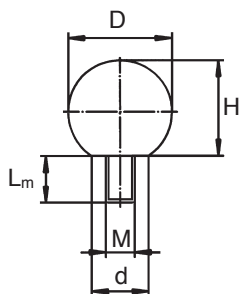


Fig. 1

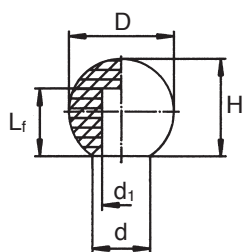


Fig. 2

Fig. 1 • **KNOB** – Bakelite, Black • **SCREW** – Steel, Zinc Plated

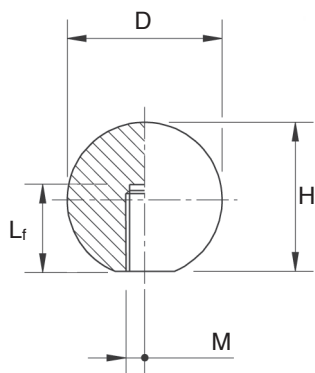
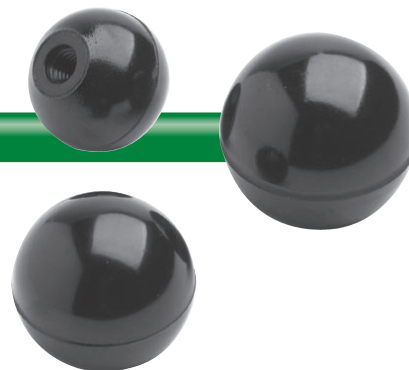
Catalog Number	D	H	d	L _m	M	Weight g
MMAX9MM1029	16	15.3	9	8	M4	5
MMAX9MM1030	18	17.5	10	9	M5	10
MMAX9MM1031	22	20.2	12	10	M6	11
MMAX9MM1032	28	26	14	14	M8	24
MMAX9MM1033	30	28	14	14	M8	27
MMAX9MM1034	36	34.2	16	18	M10	60
MMAX9MM1035	40	38.1	17	18	M10	70
MMAX9MM1036	45	43.2	17	18	M10	90
MMAX9MM1037	45	43.2	17	25	M12	100
MMAX9MM1038	56	53.8	22	25	M12	160

Fig. 2 • **KNOB** – Polypropylene, Black • **PLAIN HOLE***

Catalog Number	D	H	d	d ₁	L _f	for Shaft h9	Weight g
MMAX9FM1039	22	20	12	8	14	8	4
MMAX9FM1040	28	26	14	10	20	10	13
MMAX9FM1041	30	28	16	10	22	10	17
MMAX9FM1042	30	28	16	12	22	12	16
MMAX9FM1044	40	38	17	14	26	14	26
MMAX9FM1045	40	38	17	14	28	14	25
MMAX9FM1046	45	43	18	16	28	16	35

*To fit with hammer strike.

KNOB, SPHERICAL



4

• **KNOB** – Bakelite or Nylon, Black • **THREADED HOLE WITHOUT INSERT**

Catalog Number	Material	D	H	L _r	M
MMAY9FM201C00 MMAY9FM201C05	Nylon	20	19	11	M5 M6
MMAY9FM201C10 MMAY9FM201C15	Nylon	25	24	16	M6 M8
MMAY9FM201C20 MMAY9FM201C25	Bakelite	30	28		M8 M10
MMAY9FM201C30 MMAY9FM201C35	Bakelite	35	33		M8 M10
MMAY9FM201C40 MMAY9FM201C45	Bakelite	40	38	23	M10 M12
MMAY9FM201C50 MMAY9FM201C55	Bakelite	50	47	25	M12 M16

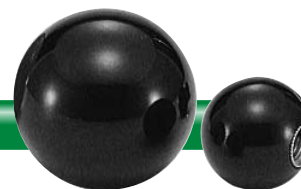


Fig. 1

Fig. 2

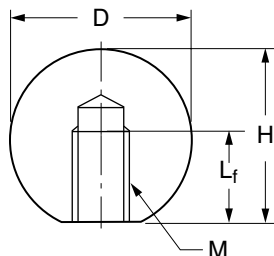


Fig. 1

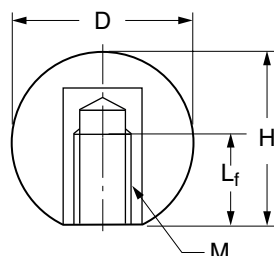


Fig. 2

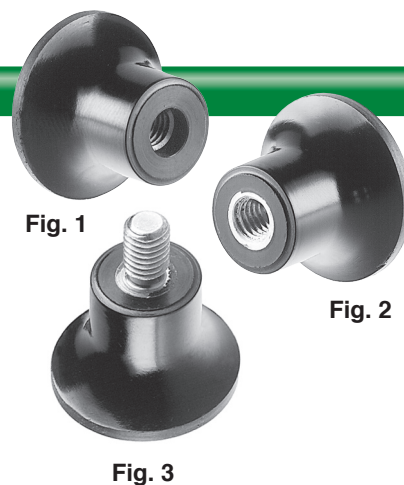
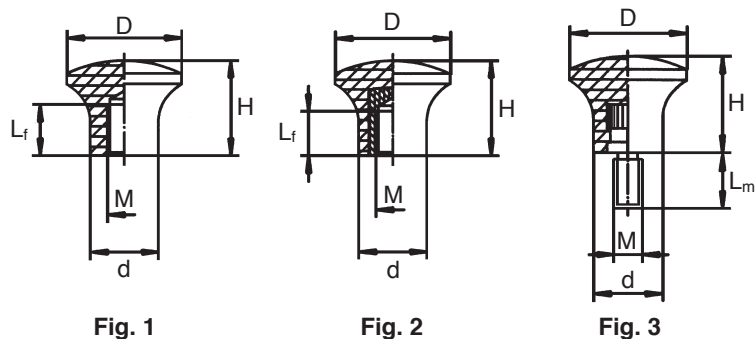
Fig. 1 • KNOB – Bakelite, Black • THREADED HOLE WITHOUT INSERT

Catalog Number	D	H	L _f	M	Weight g
MMAN9FMPB2006BK	20	18	10	M6	5.6
MMAN9FMPB2008BK				M8	5.2
MMAN9FMPB2506BK	25	23	10	M6	11
MMAN9FMPB2508BK			12	M8	10
MMAN9FMPB3008BK	30	28	16	M8	19
MMAN9FMPB3010BK			18	M10	18
MMAN9FMPB3508BK	35	32	16	M8	31
MMAN9FMPB3510BK			18	M10	30
MMAN9FMPB4010BK	40	37	18	M10	47
MMAN9FMPB4012BK				M12	44

Fig. 2 • KNOB – Bakelite, Black • THREADED INSERT – Brass

Catalog Number	D	H	L _f	M	Weight g
MMAN9FMPC2006BK	20	18	10	M6	7
MMAN9FMPC2506BK	25	23	10	M6	15
MMAN9FMPC2508BK			12	M8	
MMAN9FMPC3008BK	30	28	12	M8	30
MMAN9FMPC3010BK			15	M10	30
MMAN9FMPC3508BK	35	32	12	M8	40
MMAN9FMPC3510BK			15	M10	
MMAN9FMPC4010BK	40	37	15	M10	55
MMAN9FMPC4012BK				M12	50

KNOB, MUSHROOM-SHAPED



4

Fig. 1 • KNOB – Bakelite, Black • THREADED HOLE WITHOUT INSERT

Catalog Number	D	H	d	L _f	M	Weight g
MMAXAFM1101	17	14	10	10	M4	2
MMAXAFM1102	21	17	12	11	M5	4
MMAXAFM1103	25	21	14	12	M6	6
MMAXAFM1104	29	25	16	14	M8	10
MMAXAFM1105	33	29	18	14	M8	15

Fig. 2 • KNOB – Bakelite, Black • THREADED INSERT – Brass

Catalog Number	D	H	d	L _f	M	Weight g
MMAXAFM1106	17	14	10	7	M4	3
MMAXAFM1107	17	14	10	7	M5	4
MMAXAFM1108	21	17	12	11	M5	9
MMAXAFM1109	21	17	12	11	M6	7
MMAXAFM1110	25	21	14	11	M6	10
MMAXAFM1111	29	25	16	16	M8	14
MMAXAFM1112	33	29	18	16	M8	19
MMAXAFM1113	45	38	21	11	M6	48

Fig. 3 • KNOB – Bakelite, Black • SCREW – Steel, Zinc Plated

Catalog Number	D	H	d	L _m	M	Weight g
MMAXAMM1114	17	14	10	8	M4	4
MMAXAMM1115	21	17	12	9	M5	7
MMAXAMM1116	21	17	12	10	M6	9
MMAXAMM1117	25	21	14	10	M6	12
MMAXAMM1118	33	29	18	14	M8	24

KNOB, MUSHROOM-SHAPED

4

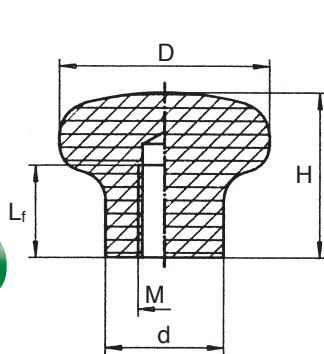


Fig. 1

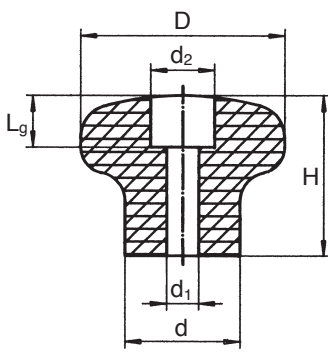


Fig. 2

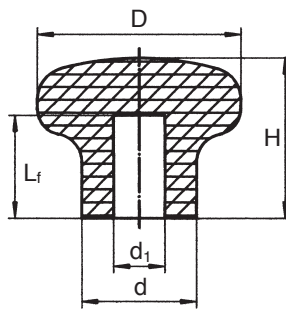


Fig. 3

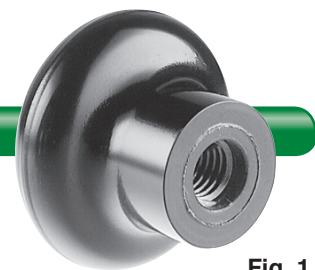


Fig. 1



Fig. 2



Fig. 3

Fig. 1 • KNOB – Bakelite, Black • THREADED HOLE WITHOUT INSERT

Catalog Number	D	H	d	L _f	M	Weight g
MMAXAFM3101	32	25	18	16	M8	14
MMAXAFM3102	45	30	21	18	M10	33
MMAXAFM3103	52	35	24		M12	55

Fig. 2 • KNOB – Bakelite, Black • THROUGH HOLE

Catalog Number	D	H	d	d ₁	d ₂	L _g	Weight g
MMAXAFM3104	32	25	18	5.5	10.2	10	14

Fig. 3 • KNOB – Bakelite, Black • BLIND HOLE

Catalog Number	D	H	d	d ₁	L _f	Weight g
MMAXAFM3105	52	35	24	10	20.5	56

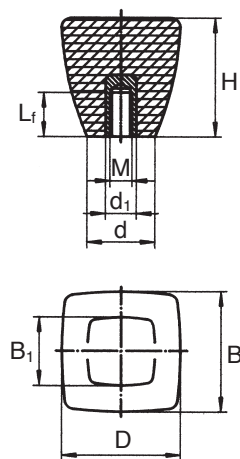


Fig. 1

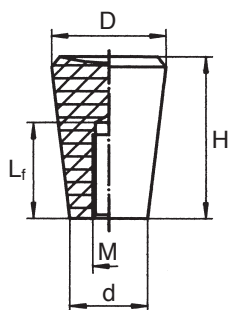


Fig. 2

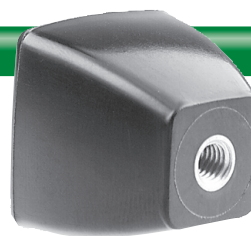


Fig. 1



Fig. 2

Fig. 1 • **CUBICAL KNOB** – Bakelite, Black • **THREADED INSERT** – Brass

Catalog Number	D	B	B ₁	H	d
MMAXCFM4902	35	35	20	35	20
MMAXCFM4903	45	45	25	45	25

Catalog Number	d ₁	L _f	M	Weight g
MMAXCFM4902	8	11	M6	49
MMAXCFM4903	10	16	M8	100

Fig. 2 • **GEARSHIFT KNOB** – Bakelite, Black
• **THREADED HOLE WITHOUT INSERT**

Catalog Number	D	H	d	L _f	M	Weight g
MMAXCFM9301	20	30	12	15	M5	8
MMAXCFM9302				16	M6	
MMAXCFM9303	25	38	15	19	M6	16
MMAXCFM9304					M8	15
MMAXCFM9305	30	46	18	16	M8	28
MMAXCFM9306				19	M10	26
MMAXCFM9307	35	53	21	19	M8	43
MMAXCFM9308				19	M10	42
MMAXCFM9309				25	M12	42