

■ BUTTON-HEAD GREASE NIPPLES ACCORDING TO DIN 3404

APPLICATION AREA

button-head grease nipples are particularly suitable for lubricating points with a big grease volume because of their specific high flow-rate of grease. As another result of the robust construction, these grease nipples are preferably used in the construction machinery.

VERSIONS

The button-head grease nipples are available in four different sizes:

- head Ø 10 mm = M4
- head Ø 16 mm = M1
- head Ø 22 mm = M22
- head hexagon-type, Hex size 15 mm = T1

In general, our button-head grease nipples according to DIN are made of steel, zinc-plated and passivated, and they are featured with a cylindrical thread. We offer various standard types also in brass or stainless steel 1.4305 ~ ASTM 303 and 1.4404 ~ ASTM 316L (V2A/V4A).

Upon request, manufactures button-head grease nipples in other versions, with respect to the following:

- dimension
- material
- thread size
- thread form (e. g. with tapered thread)
- opening pressure
- surface colour (e. g. yellow passivated)
- further surface treatment
- etc.

MOUNTING INSTRUCTIONS

In order to allow for a proper lubrication with all common grease guns, the head space, which is necessary for installation, should be considered (please see table with dimensions).

OPERATING INSTRUCTIONS

As suitable lubricating nozzle, we recommend our button-head coupler.

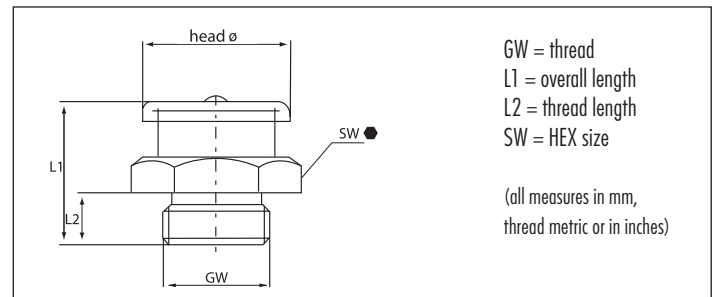


Type M4



Button-Head Grease Nipples

- head Ø 10 mm
- according to DIN 3404
- straight version A/180°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with cylindrical thread
- for other types and materials, please see table, or upon request

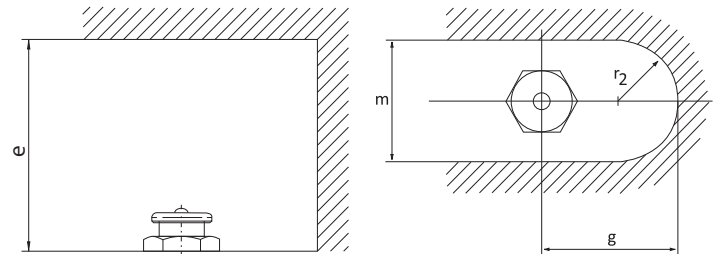


GW	M 6 x 1.0			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
13.5	6	11mm HEX		4201104			

GW	M 8 x 1.0			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
13.5	6	11mm HEX		4201107			

GW	M 10 x 1.0			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
13.5	6	11mm HEX		4201109			

GW	G 1/8, 1/8 - 28 BSPP			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
13.5	6	11mm HEX		4201161		4221161	



Instructions for installation: necessary space

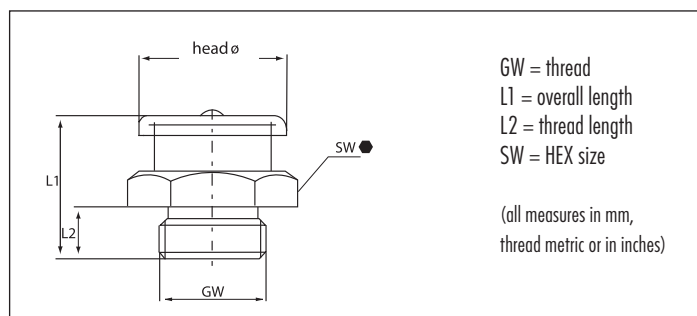
e =	50 mm/2-11/64"	r =	14 mm/41/64"
m =	26 mm/1-17/64"	g =	30 mm/1-25/64"

Type M1



Button-Head Grease Nipples

- head Ø 16 mm
- according to DIN 3404
- straight version A/180°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with cylindrical thread
- for other types and materials, please see table, or upon request



GW	M 6 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101704	4111704	4121704	4141704

GW	M 8 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101707	4111707	4121707	4141707

GW	M 8 x 1.25	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101708	4111708	4121708	

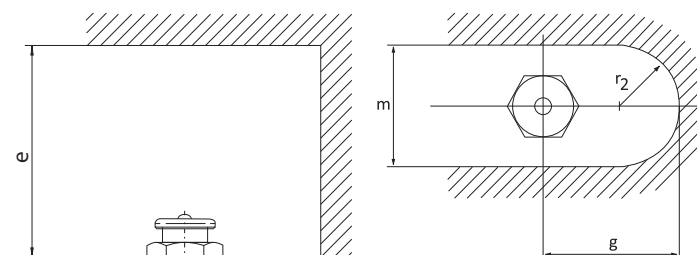
GW	M 10 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101709	4111709	4121709	4141709
20	9	17mm HEX	4101713			

GW	M 10 x 1.5	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101711	4111711	4121711	

GW	M 12 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101732			

GW	M 12 x 1.5	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101714	4111714	4121714	

GW	M 12 x 1.75	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101715		4121715	



Instructions for installation: necessary space

e =	55 mm/2-11/64"	r =	16 mm/41/64"
m =	32 mm/1-17/64"	g =	35 mm/1-25/64"

GW	M 14 x 1.5	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101717		4121716	

GW	M 16 x 1.5	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
18	7	17mm HEX	4101719	4111715		

GW	G 1/8, 1/8 - 28 BSPP	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101761	4111761	4121761	4141761

GW	G 1/4, 1/4 - 19 BSPP	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17	6	17mm HEX	4101762	4111762	4121762	4141762

GW	G 3/8, 3/8 - 19 BSPP	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
18	7	17mm HEX	4101763	4111763	4121763	4141763

GW	1/4" - 18 NPT/PTF	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
21	10	17mm HEX	4101768			
21.5	11	17mm HEX				4141768

Type M22

Button-Head Grease Nipples



- head Ø 22 mm
- according to DIN 3404
- straight version A/180°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with cylindrical thread
- for other types and materials, please see table, or upon request

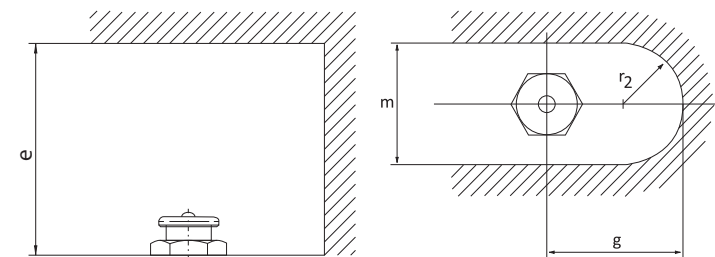
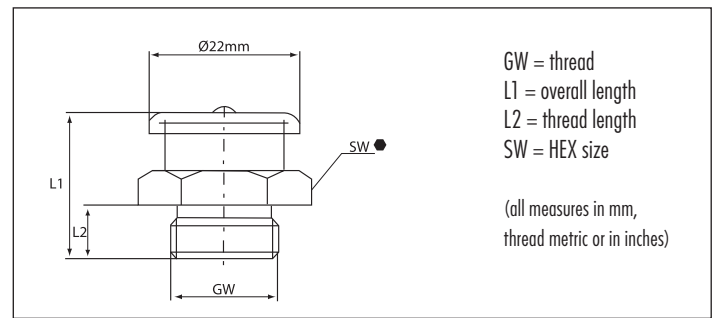
GW			M 10 x 1.0		Ref.- No.:	
L1	L2	SW	Steel	Brass	SST303	SST316L
23.5	9.5	22mm HEX 	4302210			

GW			M 16 x 1.5		Ref.- No.:		
L1	L2	SW	Steel	Brass	SST303	SST316L	
21.5	8	22mm HEX	4302219	4312219	4322219		

GW		G 1/4, 1/4 - 19 BSPP		Ref.- No.:		
L1	L2	SW	Steel	Brass	SST303	SST316L
21.5	8	22mm HEX 	4302262	4312262	4322262	

GW		G 3/8, 3/8 - 19 BSPP		Ref.- No.:		
L1	L2	SW	Steel	Brass	SST303	SST316L
21.5	8	22mm HEX 	4302263	4312263	4322263	

GW		G 1/2, 1/2 - 14 BSPP		Ref.- No.:		
L1	L2	SW	Steel	Brass	SST303	SST316L
21.5	8	22mm HEX 	4302264			



Instructions for installation: necessary space

e =	60 mm/2-3/8"	r =	18 mm/23/32"
m =	36 mm/1-27/64"	g =	45 mm/1-25/32"

Type M22/L

Button-Head Grease Nipples

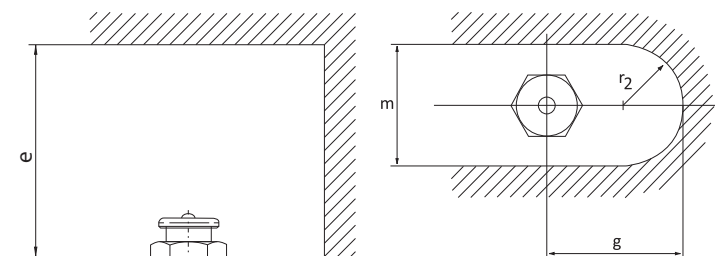
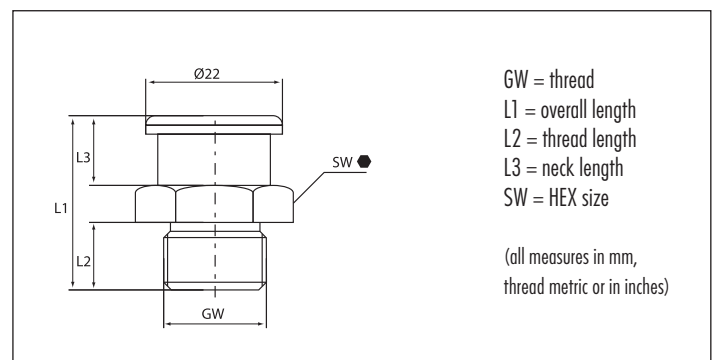


- head Ø 22 mm
- with extended neck
- according to DIN 3404
- straight version A/180°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with cylindrical thread
- for other types and materials, please see table, or upon request

GW	G 1/4, 1/4 - 19 BSPP			Ref.- No.:			
L1	L2	L3	SW	Steel	Brass	SST303	SST316L
28	11.5	11	22mm HEX 	4402262			

GW		G 3/8, 3/8 - 19 BSPP			Ref.- No.:		
L1	L2	L3	SW	Steel	Brass	SST303	SST316L
28	11.5	11	22mm HEX 	4402263			

GW		G 1/2, 1/2 - 14 BSPP			Ref.- No.:		
L1	L2	L3	SW	Steel	Brass	SST303	SST316L
28	11.5	11	22mm HEX	4402264			



Instructions for installation: necessary space

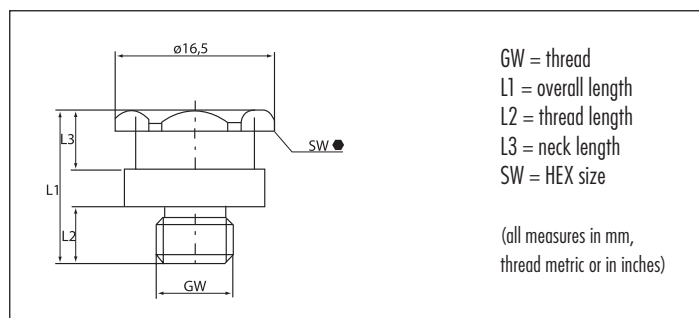
e =	66 mm/2-39/64"	r =	18 mm/23/32"
m =	36 mm/1-27/64"	g =	45 mm/1-25/32"

Type T1



Button-Head Grease Nipples

- hexagonal head form, Hex size 15 mm
- round collar, Ø 14.5 mm
- straight version A/180°
- standard version made of steel, zinc-plated and passivated, with cylindrical thread
- for other types and materials, please see table, or upon request



GW	M 6 x 1.0				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501504			

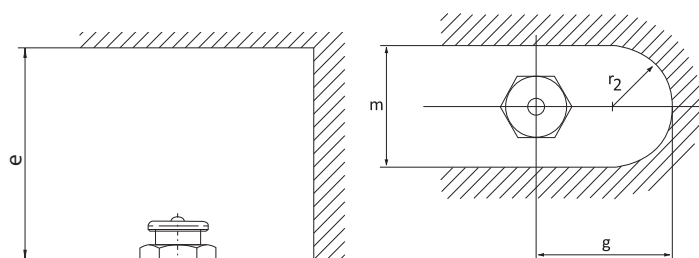
GW	M 8 x 1.0				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501507			

GW	M 8 x 1.25				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501508			

GW	M 10 x 1.0				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501509			

GW	M 10 x 1.5				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501511			

GW	G 1/8, 1/8 - 28 BSPP				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501561	4611560		



Instructions for installation: necessary space			
e =	55 mm/2-11/64"	r =	16 mm/41/64"
m =	32 mm/1-17/64"	g =	35 mm/1-25/64"

GW	G 1/4, 1/4 - 19 BSPP				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501562			

GW	1/4" -28 NF/UNF/SAE				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX		4501537			

Type T1B



Button-Head Grease Nipples

- hexagonal head and collar, Hex size 15 mm
- straight version A/180°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with cylindrical thread
- for other types and materials, please see table, or upon request

GW	M 6 x 1.0				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601504	4611504		

GW	M 8 x 1.0				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601507	4611507		

GW	M 8 x 1.25				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601508	4611508		

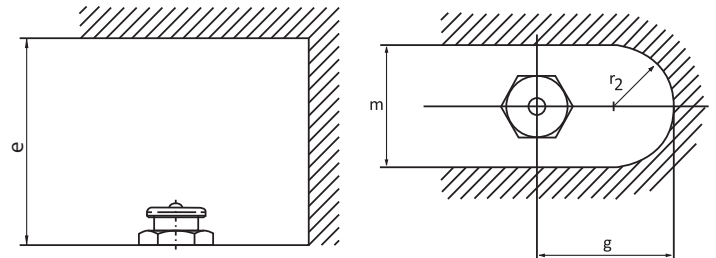
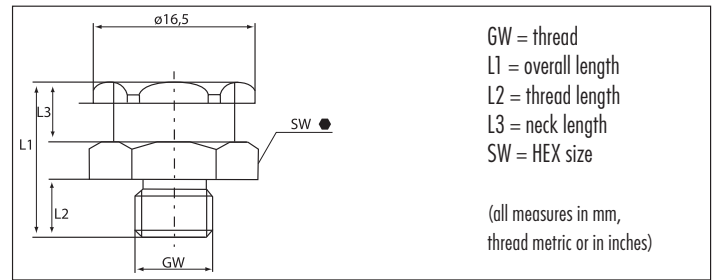
GW	M 10 x 1.0				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601509	4611509	4621509	

GW	M 10 x 1.5				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601511	4611511		

GW	M 12 x 1.5				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601514	4611514	4621514	

GW	M 12 x 1.75				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601516			

GW	G 1/8, 1/8 - 28 BSPP				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601561	4611561	4621561	4641561



Instructions for installation: necessary space

e =	55 mm/2-11/64"	r =	16 mm/41/64"
m =	32 mm/1-17/64"	g =	35 mm/1-25/64"

GW	G 1/4, 1/4 - 19 BSPP				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601562	4611562	4621562	4641562

GW	G 3/8, 3/8 - 19 BSPP				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	5372717			

GW	1/8" - 27 NPT/PTF				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●				4641567

GW	1/4" - 28 NF/UNF/SAE				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601537			

GW	3/8" - 24 NF/UNF/SAE				Ref.- No.:			
L1	L2	L3	SW		Steel	Brass	SST303	SST316L
16	6	6	15mm HEX	●	4601539			

BUTTON-HEAD GREASE NIPPLES - SPECIAL DESIGNS

The following types are representing only the most commonly used special-type nipples. For individual applications, manufactures button-head grease nipples with special equipment in other versions, with respect to the following:

- dimension
- material
- thread size
- thread form (e. g. with tapered thread)
- length
- etc.

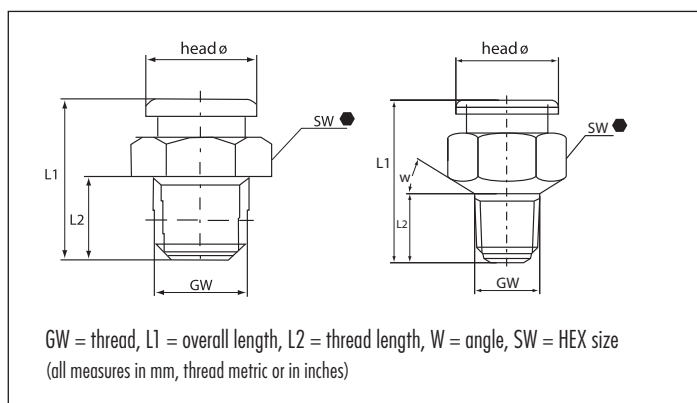


Button head grease nipple with check valve

Type M1 or Type M22



- Type M1, head-Ø 16 mm or Type M22, head-Ø 22 mm
- straight version A/180°
- made of steel, zinc-plated and passivated, with tapered thread
- as high-pressure version with pin valve upon request



APPLICATION AREA

Due to the special check valve, the lubricating point will be sealed hermetically after the greasing operation. As a result, internal impulse-like pressures up to 1.000 bar (14,500 PSI) can be attained, depending on the respective application. Particularly suitable for the Heavy Industry, Heavy Vehicle Industry.

GW M 16 x 1.5						Ref.- No.:		
L1	L2	W	Typ	SW		Steel	Brass	SST303
32	12		M 22	22mm HEX	●	5240013		
70	20		M 1	22mm HEX	●	5240020		

GW R 1/4, 1/4 - 19 BSP						Ref.- No.:		
L1	L2	W	Typ	SW		Steel	Brass	SST303
22	11.5		M 1	17mm HEX	●	5376214		

GW G 3/8, 3/8 - 19 BSPP						Ref.- No.:		
L1	L2	W	Typ	SW		Steel	Brass	SST303
23	13		M 1	17mm HEX	●	5376314		
33	13	60°	M 22	22mm HEX	●	5240048		

OPERATING INSTRUCTIONS

ATTENTION! During dismantling, utmost caution is required because of the possible pressure load. Dismantling should be done by experienced personnel only!

GW 1/4" - 18 NPTF						Ref.- No.:		
L1	L2	W	Typ	SW		Steel	Brass	SST303
21	10.7		M 1	17mm HEX	●	5240046		
35	15	30°	M 22	22mm HEX	●	5240061		

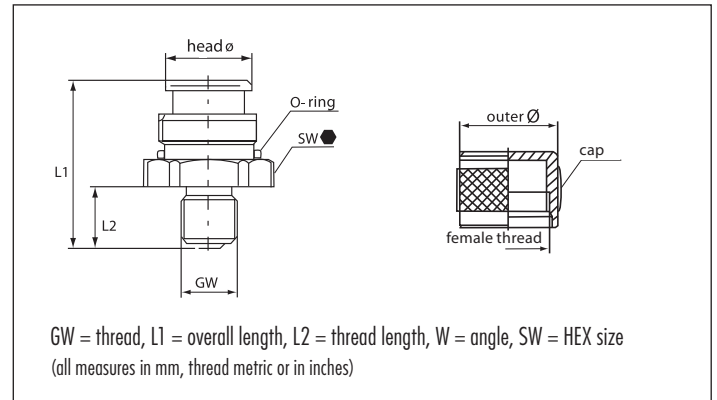
GW 3/8" - 18 NPT/PTF						Ref.- No.:		
L1	L2	W	Typ	SW		Steel	Brass	SST303
33	14	60°	M 22	22mm HEX	●	5240062		

GW 1/2" - 14 NPT						Ref.- No.:		
L1	L2	W	Typ	SW		Steel	Brass	SST303
29	13		M 22	22mm HEX	●	5240063		
41.5	19	60°	M 22	22mm HEX	●	5240009		

Button-head grease nipple with screwable protection cap

Type M1

- head Ø 16 mm
- straight version A/180°
- with o-ring for sealing against dust and humidity
- with cylindrical thread



APPLICATION AREA

For additional locking against internal pressure and as protection against contamination. Particularly suitable for plant engineering valves and for exposed lubricating points.

GW	M 10 x 1.0			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
31	11.5	22mm HEX	●	5544057		5544053	

GW	R 1/4, 1/4 - 19 BSP			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
31	11.5	22mm HEX	●	5544054			

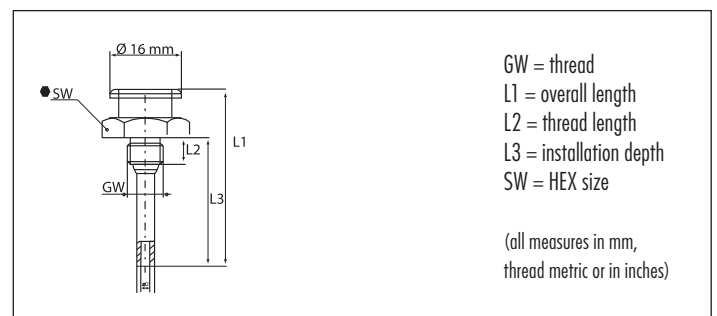
GW	M 12 x 1.5			Ref.- No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
31	11.5	22mm HEX	●	5544056			

Button head grease nipple with extension

Type M1



- head Ø 16 mm
- straight version A/180°
- made of steel, zinc-plated and passivated
- head hardened according to DIN with cylindrical thread
- with press-fitted extension for exact grease flow



APPLICATION AREA

For deep seated lubrication points, which can be serviced sufficiently through the extension, e. g. for drive shafts.

GW	M 8 x 1.0			Ref.- No.:			
L1	L2	L3	SW	Steel	Brass	SST303	SST316L
40	6	23	17mm HEX	●	5240067		