Ref.- No.:

1121104

SST303

SST303

EX

Ref.- No.:

	Steel	Brass
EX	1101417	

*unhardened

GW R 1/8, 1/8 - 28 BSP

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
43	6	33**	9mm HEX ⬣	5241070			
15	5.5		11mm HEX ⬣	1101156	1111156	1121156	1141156

GW R 1/4, 1/4 - 19 BSP

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
17.5	6.5		14mm HEX ⬣	1101457	1111457	1121457	1141457
19	8		14mm HEX ⬣	5241071			

GW R 3/8, 3/8 - 19 BSP

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
18	7		17mm HEX ⬣	1101758		1121758	

GW 1/8" - 27 NPT/PTF

Ref.- No.:

L1	L2	L3	SW	Steel	Braass	SST303	SST316L
45	6.5	35**	9mm HEX ⬣	5241076			
65	8	55**	9mm HEX ⬣	5241077			
15	5.5		11mm HEX ⬣	1101167	1111167		
17	6.5		11mm HEX ⬣				1141167
17.5	6.5	7.5	11mm HEX ⬣	5241024	5241105	5241106	
31	6	21	11mm HEX ⬣	5241075			

GW 1/4" - 18 NPT/PTF

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
17.5	6.5		14mm HEX ⬣	1101468			
19	8		14mm HEX ⬣	5241072			
21	9		14mm HEX ⬣				1141468

GW 1/4" - 28 NF/UNF/SAE

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
13.5	4		7mm HEX ⬣	5241054	5241103		
15	5.5		7mm HEX ⬣	1100737	1110737	1120737	
17.3	5.6	8.5	7mm HEX ⬣	5241055			
24	6	14	7mm HEX ⬣	5241058			
29	8.3	19	7mm HEX ⬣	5241061			
41	6	31	7mm HEX ⬣	5241080			

GW 1/4" - 26 BSF

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		7mm HEX ⬣	1100744	1110744	1120744	
29	8.3	19	7mm HEX ⬣	5241062			

GW 1/4" BSW

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		7mm HEX ⬣	1100750			

GW 5/16" - 24 NF/UNF/SAE

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
14	4		9mm HEX ⬣	5241068			
15	5.5		9mm HEX ⬣	1100938	1110938	1120938	

GW 5/16" - 22 BSF

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		9mm HEX ⬣	1100945			

GW 5/16" BSW

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		9mm HEX ⬣	1100951			

GW 3/8" - 18 NPT/PTF

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
18	7		17mm HEX ⬣	1101769			

GW 3/8" - 20 BSF

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		11mm HEX ⬣	1101146			

GW 3/8" - 24 NF/UNF/SAE

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		11mm HEX ⬣	1101139	1111139	1121139	

GW 3/8" BSW

Ref.- No.:

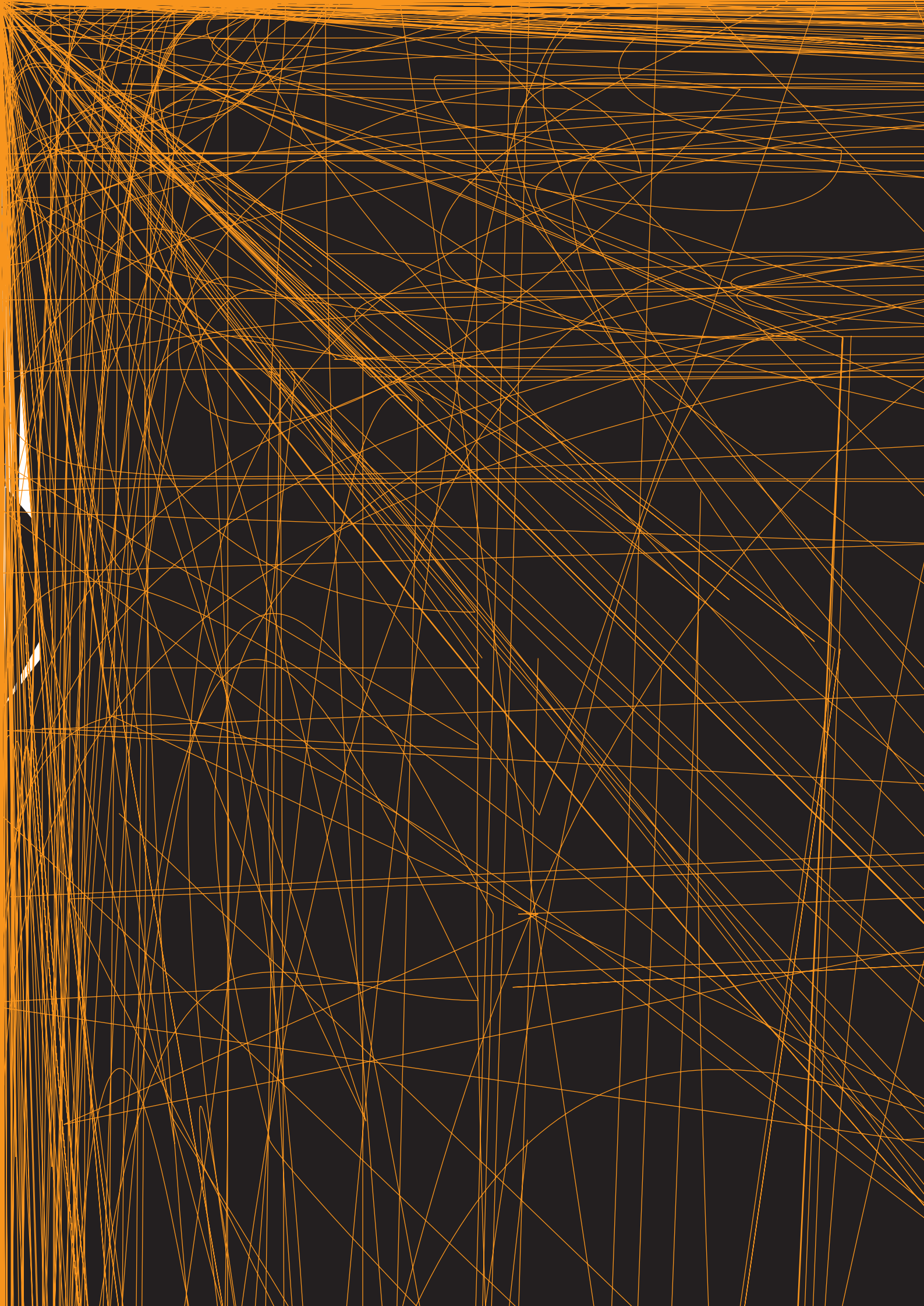
L1	L2	L3	SW	Steel	Brass	SST303	SST316L
15	5.5		11mm HEX ⬣	1101152			

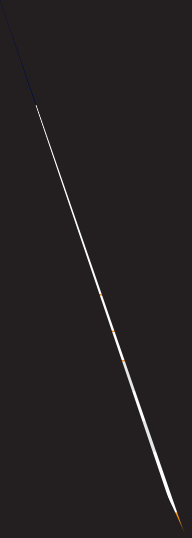
GW 1/2" - 20 UNF/NF/SAE

Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
17.5	6.5		14mm HEX ⬣	1101440			

** 2-parts





UMETA HYDRAULIC GREASE NIPPLES WITH SELF-FORMING THREAD

APPLICATION AREA

By using UMETA grease nipples with self-forming thread (SFT / SFG) you effectively save the thread-cutting process in the borehole.

VERSIONS

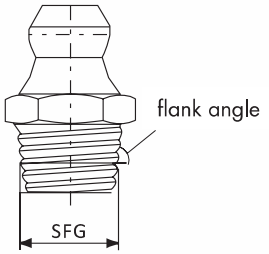
For safety reasons and in order to avoid abrasion wear, the DIN standard for grease nipple with self-forming thread demands a specific surface hardness of 650 HV minimum as well as a particularly wide flank angle of 105° at the thread. For a better visual distinction, UMETA self-forming grease nipples are yellow passivated. Upon request, they are also available in another surface colour, e.g. blue passivated = silver coloured.

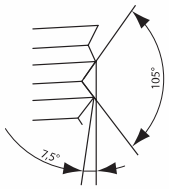
MOUNTING INSTRUCTIONS

The special thread angle and the specific hardness level allow these grease nipples to be driven and screwed into holes without prior thread cutting. Thus, the thread of the grease nipple forms its counter thread. Later, the grease nipple can easily be screwed out and be replaced by a standard grease nipple. The exact size of the core hole depends on the material and must be determined by mounting tests. The consistency of the receiving material is decisive. The standard gauge for the installation bore diameter of 0.4-0.5 mm (0.02") below nominal width have proved in daily use.

OPERATING INSTRUCTIONS

As suitable lubricating nozzle, we recommend our hydraulic couplers.

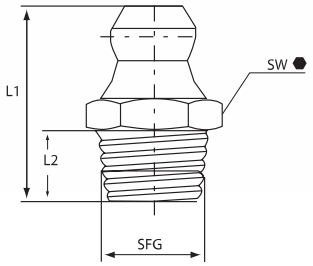




Type H1/S

Hydraulic-Type Grease Nipples with Self-Forming Thread

- according to DIN 71412
- straight version A/180°
- with self-forming thread, tapered
- standard version made of steel, case-hardened according to DIN (650HV) and yellow passivated



SFG = self-forming thread (SFT)
L1 = overall length
L2 = thread length
SW = HEX size

(all measures in mm)

SFG S 6 x 1 — Ref.- No.:

L1	L2	SW	Steel	not available in other materials
13.5	4	7mm HEX ⬣	5317443	
15	5.5	7mm HEX ⬣	1100774	
17.5	5.5	7mm HEX ⬣	5241135	

SFG S 8 x 1 — Ref.- No.:

L1	L2	SW	Steel	not available in other materials
15	5.5	9mm HEX ⬣	1100975	
17	7	9mm HEX ⬣	5317541	

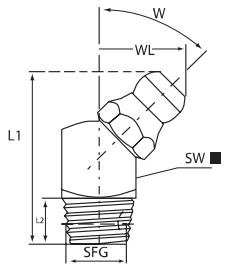
SFG S 10 x 1 — Ref.- No.:

L1	L2	SW	Steel	not available in other materials
15	5.5	11mm HEX ⬣	1101176	
18	8	11mm HEX ⬣	5241014	

Type H2/S

Hydraulic-Type Grease Nipples with Self-Forming Thread

- according to DIN 71412
- angled version B/45°
- with self-forming thread, tapered
- standard version made of steel, case-hardened according to DIN (head 550 HV/body 650 HV) and yellow passivated



SFG = self-forming thread(SFT)
L1 = overall length
L2 = thread length
WL = angle length
W = angle
SW = HEX size

(all measures in mm)

SFG S 6 x 1

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
20.5	5.5	10.5	45°	9mm SQ. ■	1204574	

SFG S 8 x 1

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
20.5	5.5	10.5	45°	9mm SQ. ■	1204575	

SFG S 10 x 1

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
20.5	5.5	11	45°	11mm SQ. ■	1204776	

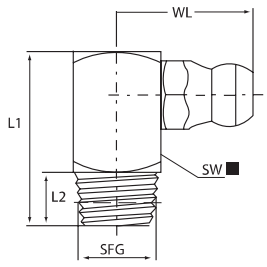
SFG S 1/4" - 28

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
20.5	5.5	11	45°	9mm HEX ⬣	1200977	

Type H3/S

Hydraulic-Type Grease Nipples with Self-Forming Thread

- according to DIN 71412
- angled version C/90°
- with self-forming thread, tapered
- standard version made of steel, case-hardened according to DIN (head 550 HV/body 650 HV) and yellow passivated



SFG = self-forming thread (SFT)
L1 = overall length
L2 = thread length
WL = angle length
W = angle
SW = HEX size

(all measures in mm)

SFG S 6 x 1

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
18	5.5	14	90°	9mm SQ. ■	1304574	
21.5	5.5	14	90°	9mm SQ. ■	1304578	

SFG S 8 x 1

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
18	5.5	14	90°	9mm SQ. ■	1304575	

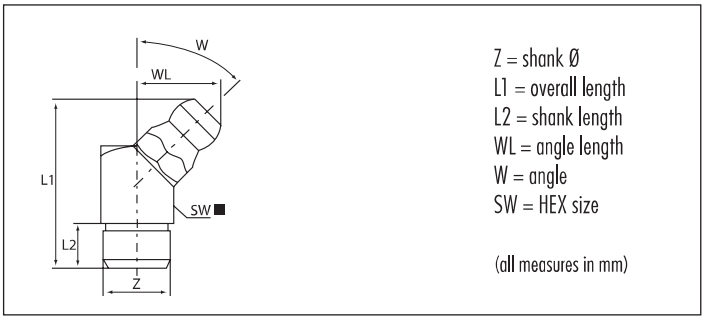
SFG S 10 x 1

L1	L2	WL	W	SW	Ref.- No.: Steel	not available in other materials
18	5.5	15	90°	11mm SQ. ■	1304776	

Type H2a

Hydraulic-Type Grease Nipples - Drive-in Version

- according to DIN 71412
- angled version B/45°
- drive-in-type with plain shank
- standard versions according to DIN are made of steel, zinc-plated and passivated, head case-hardened



Z = shank Ø
L1 = overall length
L2 = shank length
WL = angle length
W = angle
SW = HEX size

(all measures in mm)

Z 6mm Ø

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.5	45°	9mm SQ. ■	1204586			

Z 10mm Ø

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.7	45°	11mm SQ. ■	1204789			

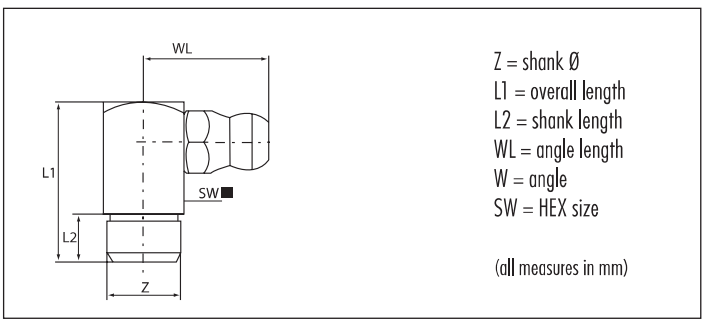
Z 8mm Ø

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.5	45°	9mm SQ. ■	1204588			

Type H3a

Hydraulic-Type Grease Nipples - Drive-in Version

- according to DIN 71412
- angled version C/90°
- drive-in-type with plain shank
- standard versions according to DIN are made of steel, zinc-plated and passivated, head case-hardened



Z = shank Ø
L1 = overall length
L2 = shank length
WL = angle length
W = angle
SW = HEX size

(all measures in mm)

Z 6mm Ø

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
18	5.5	14	90°	9mm SQ. ■	1304586			

Z 10mm Ø

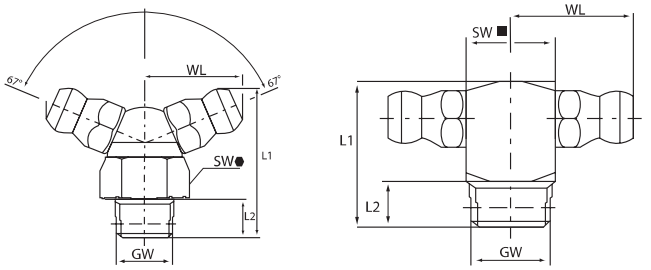
L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
18	5.5	15	90°	11mm SQ. ■	1304789			

Z 8mm Ø

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
18	5.5	14	90°	9mm SQ. ■	1304588			

Hydraulic-type nipple, double headed

- made of steel, zinc-plated and passivated
- heads hardened according to DIN
- optionally available as:
  - H2-double head with 67° angle / hexagon body
  - H3-double head with 90° angle / square body



GW = thread, L1 = overall length, L2 = thread length, WL = angle length, SW = HEX size
(all measures in mm, thread metric or in inches)

APPLICATION AREA
Option of alternative greasing by means of two heads.

GW M 6 x 1.0 — Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
18	5.5	14.5	90°	9mm SQ. ■	5244179			

GW M 8 x 1.0 — Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
18	5.5	14.5	90°	9mm SQ. ■	5244178			
18	5.5	14.5	90°	11mm SQ. ■	5244181			
20	5.5	13.5	67°	11mm HEX ⬣	5244159			

GW M 8 x 1.25 — Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
18	5.5	14.5	90°	9mm SQ. ■	5244096			
20	5.5	13.5	67°	11mm HEX ⬣	5244160			
24	5.5	14.5	90°	9mm SQ. ■	5244033			

GW M 10 x 1.0 — Ref.- No.:

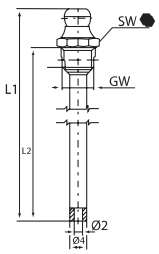
L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
18	5.5	15	90°	11mm SQ. ■	5244094		5244134	
20	5.5	13.5	67°	11mm HEX ⬣	5244161			
22	7	13.5	67°	11mm HEX ⬣	5244163			

GW R 1/8, 1/8 - 28 BSP — Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
18	5.5	15	90°	11mm SQ. ■	5244095			
20	5.5	13.5	67°	11mm HEX ⬣	5244162			

Hydraulic-type nipple with extension

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



GW = thread
L1 = overall length
L2 = installation depth
SW = HEX size

(all measures in mm,
thread metric or in inches)

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	SW	Steel	Brass	SST303	SST316L
75	65	9mm HEX ⬣	5241130			
130	120	9mm HEX ⬣	5241133			

GW M 10 x 1.0 — Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
59	49	11mm HEX ⬣	5241140			
75	65	11mm HEX ⬣	5241132			

GW M 8 x 1.25 — Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
32	22	9mm HEX ⬣	5241213			

GW 5/16" - 24 NF/UNF/SAE — Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
75	65	9mm HEX ⬣	5241131			

UMETA BALL-TYPE GREASE NIPPLES ACCORDING TO FORMER DIN 3402

APPLICATION AREA

UMETA ball-type nipples are suitable for all standard lubrication points, which have to be frequently lubricated in a reliably way. They are more and more often replaced by hydraulic-type grease nipples according to DIN 71412 due to their manifold application purposes.

On request, UMETA manufactures ball-type nipples in other versions, with respect to the following:

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

OPERATING INSTRUCTIONS

As suitable lubricating nozzle, we recommend our hollow-type nozzles or hydraulic nozzles by using our push-type grease guns type A+B.

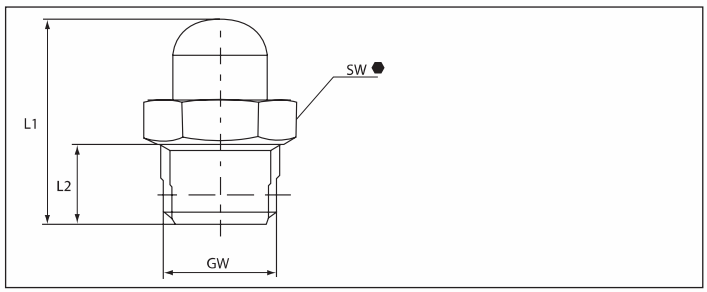
VERSIONS

In general, our ball-type grease nipples according to DIN are made of steel, zinc-plated and passivated, and they are featured with a tapered thread. The head diameter is 6.5 (-0.2) mm / 0.256" (-0.008"). We offer various standard types also in brass or stainless steel 1.4305 ~ ASTM 303 and 1.4404 ~ ASTM 316L (V2A/V4A). Of course, our ball-type grease nipples are also available in different angle versions, or as drive-in type.

Type K1

Ball-Type Grease Nipples

- according to former DIN 3402
- straight version A/180°
- standard versions according



Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	7mm HEX ⬣	2100701	2110702		

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	7mm HEX ⬣	2100703	2110703		

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	7mm HEX ⬣	2100704	2110704	2120704	

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	9mm HEX ⬣	2100907	2110907	2120907	

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	9mm HEX ⬣	2100908			

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	11mm HEX ⬣	2101109			

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	11mm HEX ⬣	2101111			

Ref.- No.:

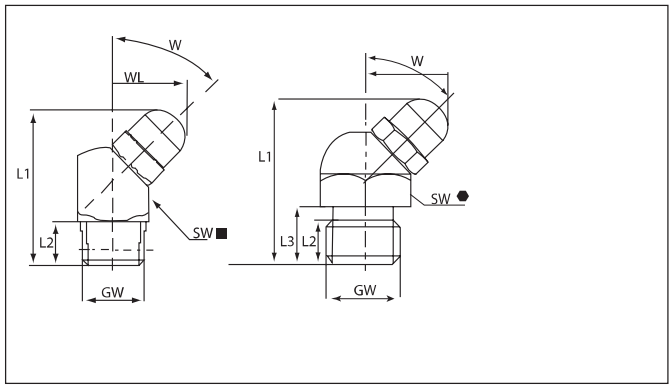
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	11mm HEX ⬣	2101156	2111156		

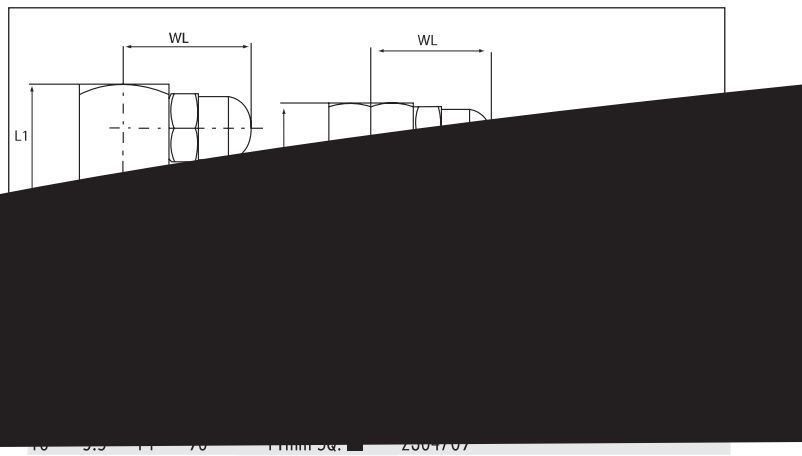
Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
16	6.5	14mm HEX ⬣	2101457	2111457		

Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
17.5	8	17mm HEX ⬣	2101758			





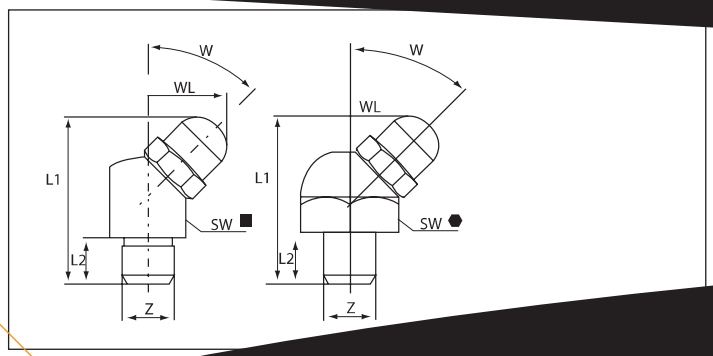
L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
18	5.5	13	90°	9 mm SQ. ■	2304507			

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
18	5.5	13	90°	9mm SQ. ■	2304508			
18	5.5	13	90°	9mm HEX ⬢		2111461*		
19	5.5	13	90°	11mm HEX ⬢		2111468*		

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
19	5.5	13	90°	11mm HEX ⬢		2111469*		

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
18	5.5	14	90°	11mm SQ. ■	2304756			

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
22.5	6.5	15	90°	14mm HEX ⬢	2301457			


W
WL
L1
SW
L2
Z
W
WL
L1
SW
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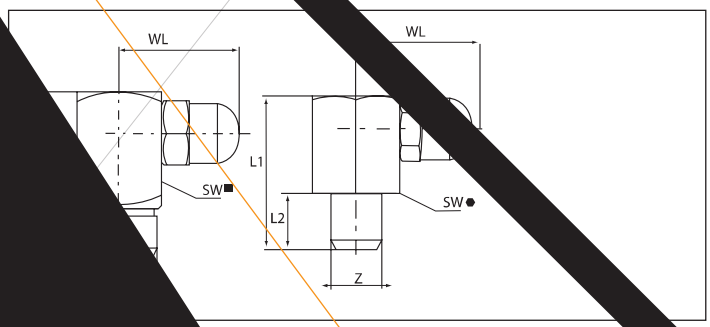

WL
WL
L1
SW
L2
SW
Z

UMETA FLUSH-TYPE GREASE NIPPLES ACCORDING TO DIN 3405

APPLICATION AREA

Flush-type grease nipples are particularly suitable for installations where extending or protruding nipples cannot be used.

VERSIONS

In general, our flush-type grease nipples according to DIN are made of steel, zinc-plated and passivated, and they are featured with a cylindrical thread. Of course, our flush-type nipples are also available in different angle versions, with a self-forming thread, or as drive-in type. We offer various standard types also in brass or stainless steel 1.4305 ~ ASTM 303 (V2A).

Upon request, UMETA manufactures flush-type 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.

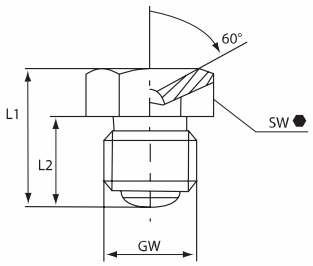
OPERATING INSTRUCTIONS

Flush-type nipples are only suitable for press-greasing by means of a UMETA extension tube or a UMETA push-type grease gun with pin-pointed, pointed, or combi-nozzle.

Type D1

Flush-Type Grease Nipples

- according to DIN 3405
- 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 = thread
L1 = overall length
L2 = thread length
SW = HEX size

(all measures in mm, thread metric or in inches)

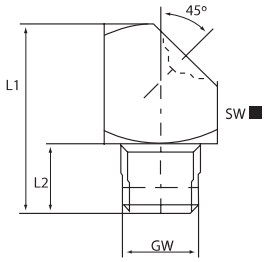
GW	L1	L2	SW	Ref.- No.: Steel	Brass	SST303	SST316L
M 5 x 0.8	9	6	7mm HEX ⬢	3100720			
M 6 x 0.75	9	6	7mm HEX ⬢	3100723			
M 6 x 1.0	9	6	7mm HEX ⬢	3100724	3110724	3120724	
M 8 x 1.0	9.5	6.5	9mm HEX ⬢	3100925	3110925	3120925	
M 8 x 1.25	9.5	6.5	9mm HEX ⬢	3100926	3110926	3120926	
M 10 x 1.0	9.5	6.5	11mm HEX ⬢	3101127	3111127	3121127	

GW	L1	L2	SW	Ref.- No.: Steel	Brass	SST303	SST316L
M 10 x 1.5	9.5	6.5	11mm HEX ⬢	3101128			
M 12 x 1.5	14	9.5	14mm HEX ⬢	3101431			
G 1/8, 1/8 - 28 BSPP	9.5	6.5	11mm HEX ⬢	3101161	3111161	3121161	
G 1/4, 1/4 - 19 BSPP	14	9.5	14mm HEX ⬢	3101462	3111462	3121462	
G 3/8, 3/8 - 19 BSPP	14.5	9	17mm HEX ⬢	3101763			
1/4" - 28 NF/UNF/SAE	9	6	7mm HEX ⬢	3100742			

Type D2

Flush-Type Grease Nipples

- according to DIN 3405
- angled version B/45°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with tapered thread



GW =thread
L1 = overall length
L2 = thread length
SW = HEX size

(all measures in mm, thread metric or in inches)

GW M 6 x 1.0 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
15	5.5	45°	9mm SQ. ■	3204504	3214504		

GW M 8 x 1.0 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
15	5.5	45°	9mm SQ. ■	3204507			

GW M 8 x 1.25 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
15	5.5	45°	9mm SQ. ■	3204508			

GW M 10 x 1.0 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
15	5.5	45°	11mm SQ. ■	3204709			

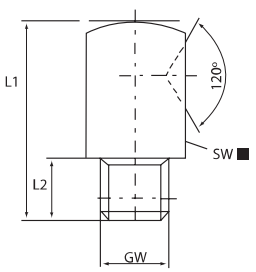
GW R 1/8, 1/8 - 28 BSP Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
15	5.5	45°	11mm SQ. ■	3204756			

Type D3

Flush-Type Grease Nipples

- according to DIN 3405
- angled version C/90°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with tapered thread



GW = thread
L1 = overall length
L2 = thread length
SW = HEX size

(all measures in mm, thread metric or in inches)

GW M 6 x 1.0 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
18	5.5	90°	9mm SQ. ■	3304504			

GW M 8 x 1.0 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
18	5.5	90°	9mm SQ. ■	3304507			

GW M 8 x 1.25 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
18	5.5	90°	9mm SQ. ■	3304508			

GW M 10 x 1.0 Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
18	5.5	90°	11mm SQ. ■	3304709			

GW R 1/8, 1/8 - 28 BSP Ref.- No.:

L1	L2	W	SW	Steel	Brass	SST303	SST316L
18	5.5	90°	11mm SQ. ■	3304756			

FLUSH-TYPE GREASE NIPPLES WITH SELF-FORMING THREAD

APPLICATION AREA

By using UMETA grease nipples with self-forming thread (SFT / SFG) you effectively save the thread-cutting process in the borehole.

VERSIONS

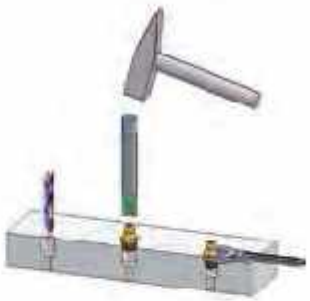
For safety reasons and in order to avoid abrasion wear, the DIN standard for grease nipples with self-forming thread demands a specific surface hardness of 650 HV minimum as well as a particularly wide flank angle of 105° at the thread. Therefore, we operate this decisive process in our own curing oven. For a better visual distinction, UMETA self-forming grease nipples are yellow passivated. Upon request, they are also available in another surface colour, e. g. blue passivated = silver coloured.

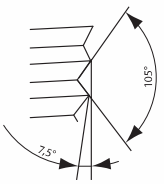
MOUNTING INSTRUCTIONS

The special thread angle and the specific hardness level allow these grease nipples to be driven and screwed into holes without prior thread cutting. Thus, the thread of the grease nipple forms its counter thread. Later, the grease nipple can easily be screwed out and be replaced by a standard grease nipple. The exact size of the core hole depends on the material and must be determined by mounting tests. The consistency of the receiving material is decisive.The standard gauge for the installation bore diameter of 0.4-0.5 mm (0.02") below nominal width have proved in daily use.

OPERATING INSTRUCTIONS

As suitable lubricating nozzle, we recommend our pointed nozzles.



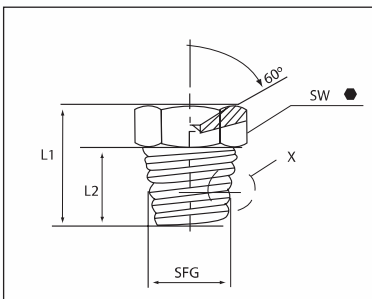


flank angle

Type D1/S

Flush-Type Grease Nipples with Self-Forming Thread

- according to DIN 3405
- straight version A/180°
- with self-forming thread, tapered
- standard version made of steel, case-hardened according to DIN (650HV) and yellow passivated



SFG = self-forming thread (SFT)
L1 = overall length
L2 = thread length
SW = HEX size

(all measures in mm)

SFG S 6 x 1 — Ref.- No.:

L1	L2	SW	Steel	not available in other materials
8.5	5.5	7mm HEX ⬣	3100774	

SFG S 8 x 1 — Ref.- No.:

L1	L2	SW	Steel	not available in other materials
8.5	5.5	9mm HEX ⬣	3100975	

SFG S 10 x 1 — Ref.- No.:

L1	L2	SW	Steel	not available in other materials
8.5	5.5	11mm HEX ⬣	3101176	

FLUSH-TYPE GREASE NIPPLES - SPECIAL DESIGNS

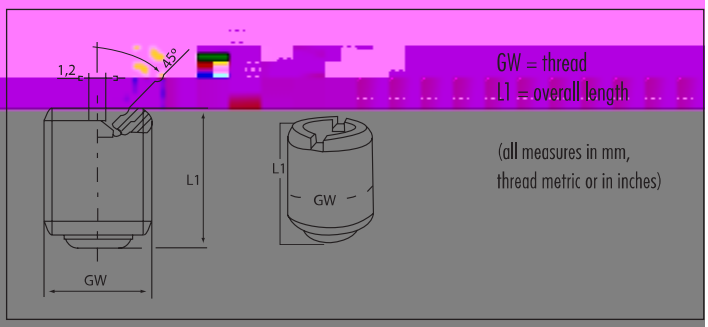
VERSIONS

The following types are representing only the most commonly used special-type nipples. For individual applications, UMETA manufactures flush-type 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

Type DV1 — Flush-Type Grease Nipples

- without collar, with slot for screwdriver
- for even mounting without projection
- straight version A/180°
- made of steel, zinc-plated and passivated, with cylindrical thread



GW	M 8 x 1.0	Ref.- No.:			
L1		Steel	Brass	SST303	SST316L
10		5243010		5243069	5243021

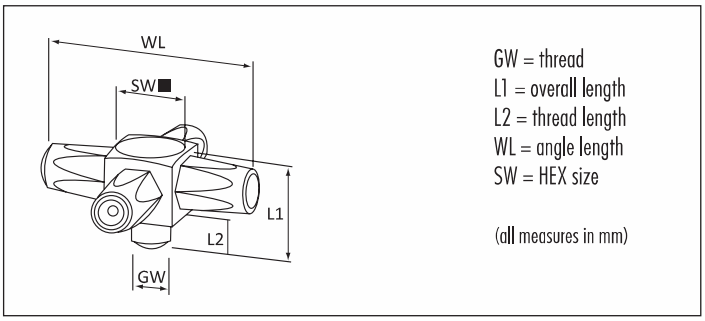
GW	M 10 x 1.0	Ref.- No.:			
L1		Steel	Brass	SST303	SST316L
10		5243018		5243067	

GW	G 1/8, 1/8 - 28 BSPP	Ref.- No.:			
L1		Steel	Brass	SST303	SST316L
10		5243019		5243068	

GW	G 1/4	Ref.- No.:			
L1		Steel	Brass	SST303	SST316L
13		5243020			

Type D3 quattro 90° — Flush-Type Grease Nipples

- made of steel, zinc-plated and passivated, with tapered thread



GW	M 6 x 1.0				Ref.- No.:			
L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
15.5	5.5	33	90°	11mm SQ. ■	5244185			

UMETA BUTTON-HEAD GREASE NIPPLES ACCORDING TO DIN 3404

APPLICATION AREA

UMETA 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 UMETA 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, UMETA 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).

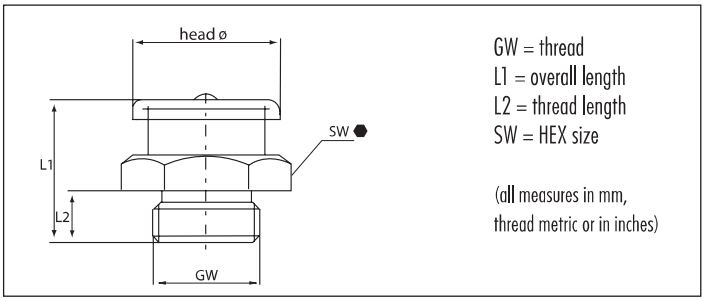
OPERATING INSTRUCTIONS

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.:

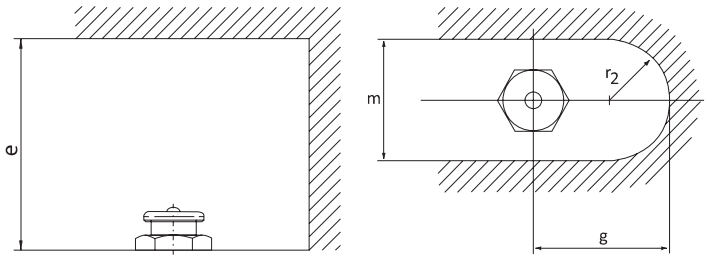
L1	L2	SW	Steel	Brass	SST303	SST316L
13.5	6	11mm HEX ⬣	4201107			

GW M 10 x 1.0 Ref.- No.:

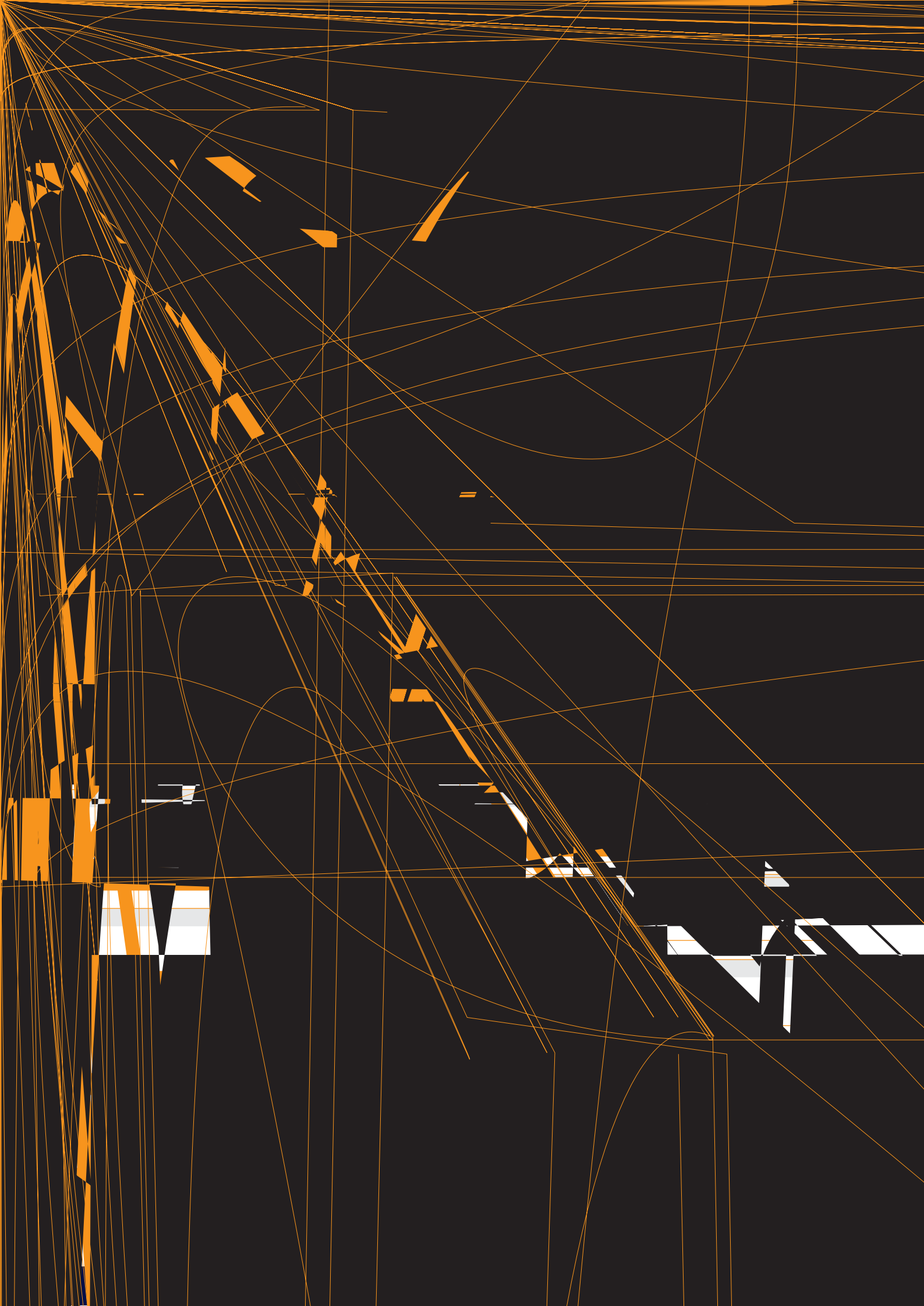
L1	L2	SW	Steel	Brass	SST303	SST316L
13.5	6	11mm HEX ⬣	4201109			

GW G 1/8, 1/8 - 28 BSPP Ref.- No.:

L1	L2	SW	Steel	Brass	SST303	SST316L
13.5	6	11mm HEX ⬣	4201161		4221161	



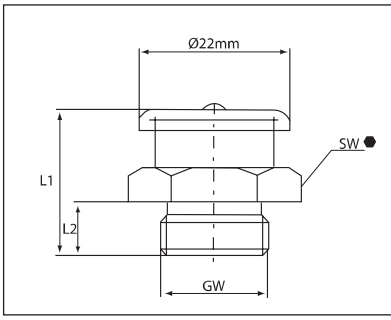
Instructions for installation: necessary space			
e =	50 mm/2-11/64"	r =	14 mm/41/64"
m =	26 mm/1-17/64"	g =	30 mm/1-25/64"



Type 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 = thread
L1 = overall length
L2 = thread length
SW = HEX size

(all measures in mm, thread metric or in inches)

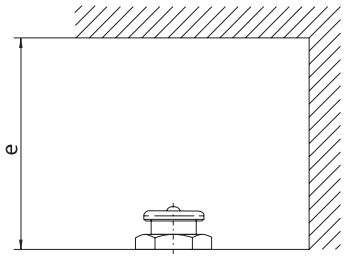
GW	M 10 x 1.0		Ref.- No.:			
L1	L2	SW	Steel	Brass	SST303	SST316L
23.5	9.5	22mm HEX ⬣	4302210			

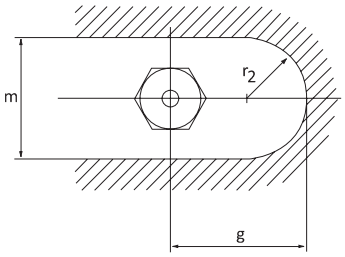
GW	M 16 x 1.5		Ref.- No.:			
L1	L2	SW	Steel	Brass	SST303	SST316L
21.5	8	22mm HEX ⬣	4302219	4312219	4322219	

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			



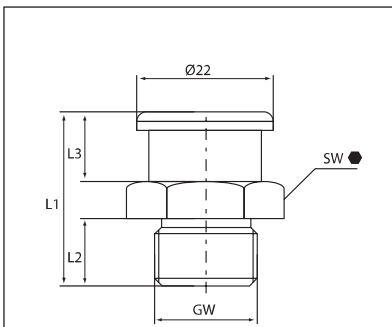


Instructions for installation: necessary space			
e =	60 mm/2-3/8"	r =	18 mm/23/32"
m =	36 mm/1-27/64"	g =	45 mm/1-25/32"

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



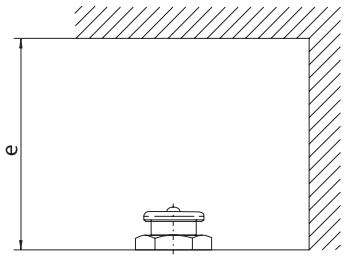
GW = thread
L1 = overall length
L2 = thread length
L3 = neck length
SW = HEX size

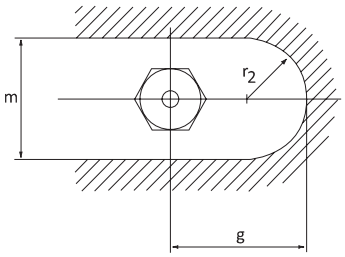
(all measures in mm, thread metric or in inches)

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			



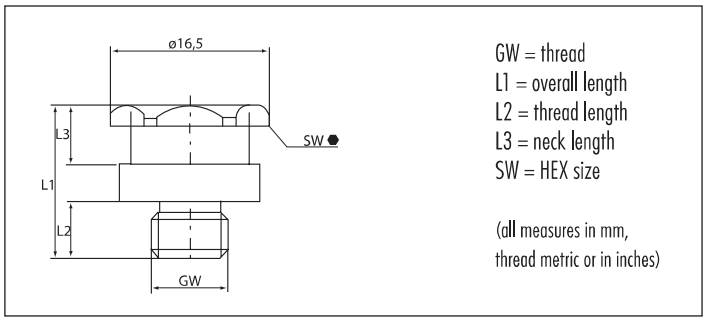


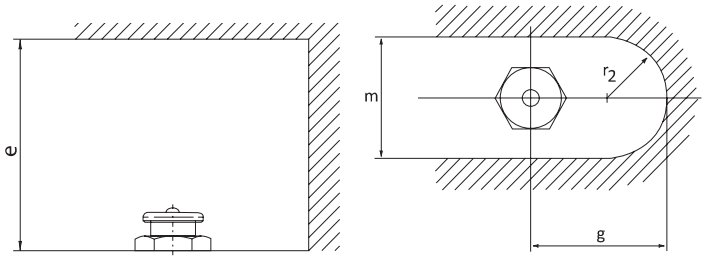
Instructions for installation: necessary space			
e =	66 mm/2-39/64"	r =	18 mm/23/32"
m =	36 mm/1-27/64"	g =	45 mm/1-25/32"

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





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 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.:

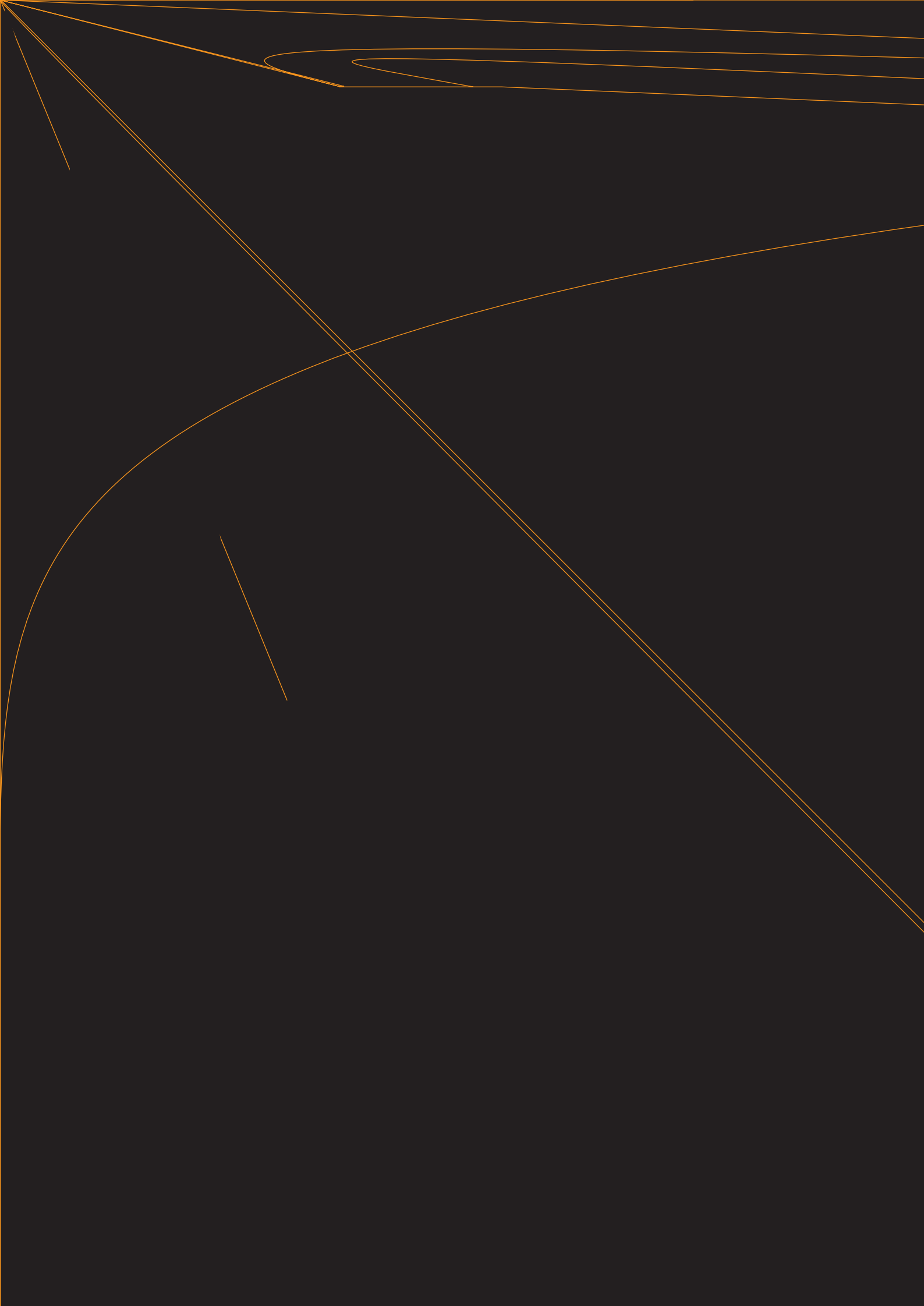
L1	L2	L3	SW	Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX ⬢	4501561	4611560		

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			

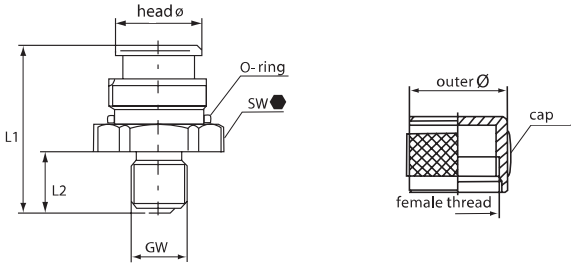
GW 1/4" -28 NF/UNF/SAE Ref.- No.:

L1	L2	L3	SW	Steel	Brass	SST303	SST316L
16	6	6.2	15mm HEX ⬢	4501537			



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



GW = thread, L1 = overall length, L2 = thread length, W = angle, SW = HEX size
(all measures in mm, thread metric or in inches)

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

L1	L2	SW	Ref.- No.: Steel	Brass	SST303	SST316L
31	11.5	22mm HEX ⬣	5544057		5544053	

GW M 12 x 1.5

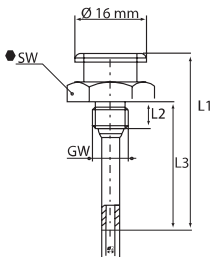
L1	L2	SW	Ref.- No.: Steel	Brass	SST303	SST316L
31	11.5	22mm HEX ⬣	5544056			

GW R 1/4, 1/4 - 19 BSP

L1	L2	SW	Ref.- No.: Steel	Brass	SST303	SST316L
31	11.5	22mm HEX ⬣	5544054			

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



GW = thread
L1 = overall length
L2 = thread length
L3 = installation depth
SW = HEX size

(all measures in mm, thread metric or in inches)

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

L1	L2	L3	SW	Ref.- No.: Steel	Brass	SST303	SST316L
40	6	23	17mm HEX ⬣	5240067			

UMETA ACCESSORIES FOR GREASE NIPPLES

UMETA Plastic Protection Caps

· suitable for grease nipples with hydraulic head according to DIN 71412

· suitable for a temperatur of approx. - 70°C up to + 85°C

The protection caps are available with or without straps and in various colours. They are used for protecting the lubricating point against contamination and for indicating the lubricating intervals by colour coding.

Type	Ref.- No.:
SK-R	9500110
SK-RL	9500111
SK-V	9500120
SK-VL	9500121

Type	Ref.- No.:
SK-G	9500130
SK-GL	9500131
SK-B	9500140
SK-BL	9500141

UMETA Rubber Protection Caps

· suitable for grease nipples with button head M1 according to DIN 3404

suitable for grease nipples with	Ref.- No.:
button head M1 according to DIN 3404	9500210

UMETA Alu Protection Caps

· suitable for grease nipples with hydraulic-type or button-head according to DIN 71412 and DIN 3404

· suitable for a temperatur of - 30°C up to + 120°C

For an especially easy clip-on and take-off. Optionally our aluminium protection caps can be anodised in colours for indicating the lubricating intervals.

suitable for grease nipples with	Ref.- No.:
hydraulic head according to DIN 71412	9500200
button head M1 according to DIN 3404	9500201

UMETA Drive-in Tool

· for safe drive-in of straight drive-in or serrated ridge nipples

suitable for grease nipples with	Ref.- No.:
ball-type or hydraulic head according to DIN	5800058
ball-type or hydraulic head according to SAE	5800059