GREASE NIPPLES

Maintaining permanent motion!

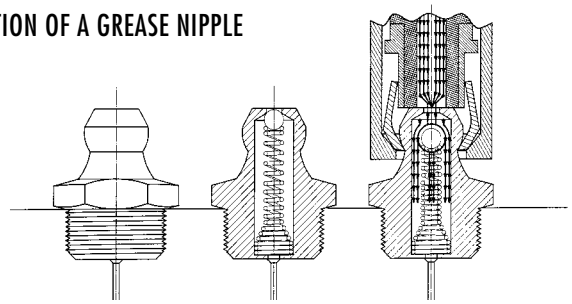
They are small and inconspicuous, but responsible for keeping machines and all kinds of equipment in motion - whether in a harvester in Russia, a pipeline in Alaska, or a brewery in Australia. There is a UMETA Grease Nipple for every application purpose in most sizes, types and composition. With a range of more than 1,500 different types of nipples with about 70 different thread forms, we offer the largest product line worldwide.

Depending on the application and the installation sites, we can manufacture grease nipple according to international standards. Other than a standard version made of steel, zinc-plated and passivated, we offer many other types, made of brass or stainless steel. You will always find a solution in our range of products - even for the most challenging application. Rely on us - since we are manufacturer and not a dealer - for about 80 years!

UMETA GREASE NIPPLES - ADVANTAGES AT A GLANCE

- 1,500 available types
- hydraulic-type-, ball-type-, flush-type-, bayonet-, and button-head nipples
- standard versions made of zinc-plated steel, stainless steel, or brass
- case-hardened according to DIN
- international product standards (e. g. DIN, ISO, SAE, BS, JIS)
- individual, custom-designed solutions
- individual packaging according to customers requirements

FUNCTION OF A GREASE NIPPLE



TASKS OF A GREASE NIPPLE

- protection of the lubrication point against dirt and humidity – no sealing against internal pressure
- standardized connection to the grease gun
- essential for maintenance and repairs

RANGE OF APPLICATIONS

- bearings
- hinges for machines, vehicles, industry
- cardan shafts
- drive shafts
- linear guides
- hydraulic cylinders
- drives
- chains
- axels

GREASE NIPPLES ARE MANUFACTURED OF

- steel: 1.0718 (11SMnPb30+C) SAE 12L13
- stainless steel: 1.4305 ~ ASTM303 (SST303); 1.4401, 1.4404 ~ ASTM316, 316L (SST316L)
- brass: CuZn39 Pb3 (CW614N)

UMETA HYDRAULIC-TYPE GREASE NIPPLES ACCORDING TO DIN 71412

APPLICATION AREA

UMETA hydraulic-type nipples are suitable for all standard lubrication points, which have to be frequently lubricated in a reliably way. Due to their multi-purpose field of application, they are the most commonly used types of grease nipples.

VERSIONS

In general, our hydraulic-type grease nipples according to DIN are made of steel, case-hardened, 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"). For safety reasons and in order to avoid abrasion wear, the standard demands 550 HV as a minimum for a surface hardness. Therefore, we operate this decisive process in our own curing oven. 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 hydraulic-type nipples are also available in different angle versions, with a self-forming thread, or as drive-in type.

SPECIAL VERSIONS

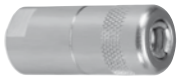
Upon request, UMETA manufactures hydraulic-type nipples in other versions, with respect to the following:

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

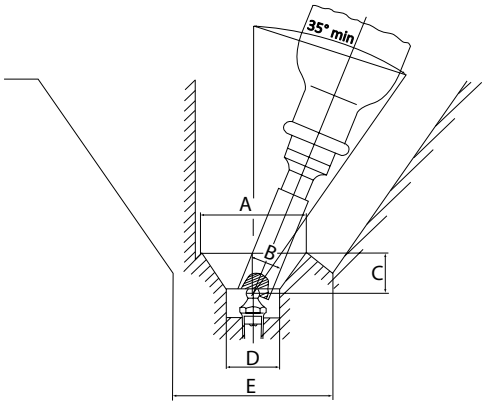
MOUNTING INSTRUCTIONS

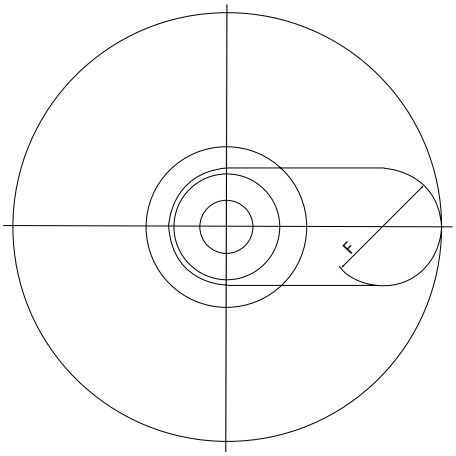
In order to allow for a proper lubrication with all common grease guns, the head space, which is necessary for installation, should be considered (please see table with dimensions).

OPERATING INSTRUCTIONS



As suitable lubricating nozzle, we recommend our hydraulic couplers.



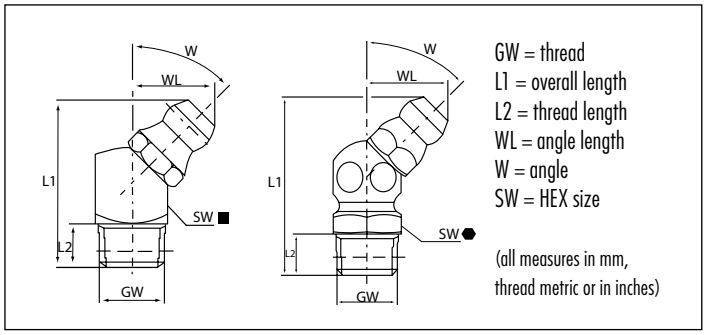


Head space			
A =	50 mm (1.97")	D =	25 mm (0.98" - 63/64")
B =	16.5 mm (0.65")	E =	75 mm (3")
C =	19 mm (0,75" - ¾")	F =	55 mm (2.16" - 2 ⅛")

Type H2

Hydraulic-Type Grease Nipples

- according to DIN 71412
- angled version B/45° /67°
- optionally available with square or hexagonal body
- standard versions according to DIN are made of steel, zinc-plated and passivated, head case-hardened
- with tapered thread
- for other types and materials, please see table, or upon request



GW M 5 x 0.8

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬢	1200901			

GW M 6 x 0.75

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.5	45°	9mm SQ. ■	1204503			
23.5	5.5	10.5	45°	9mm HEX ⬢	1200903			

GW M 6 x 1.0

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.5	45°	9mm SQ. ■	1204504			
23.5	5.5	10.5	45°	9mm HEX ⬢	1200904	1210904	1220904	1240904
17.5	5.5	12.3	67°	9mm SQ. ■	1404504			
20.5	5.5	12.2	67°	9mm HEX ⬢	1400904			

GW M 7 x 1.0

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬢	1200905			

GW M 8 x 0.75

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬢	1200906			

GW M 8 x 1.0

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.5	45°	9mm SQ. ■	1204507			
23.5	5.5	10.5	45°	9mm HEX ⬢	1200907	1210907	1220907	1240907
17.5	5.5	12.3	67°	9mm SQ. ■	1404507			
20.5	5.5	12.2	67°	9mm HEX ⬢	1400907			

GW M 8 x 1.25

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	10.5	45°	9mm SQ. ■	1204508			
23.5	5.5	10.5	45°	9mm HEX ⬢	1200908	1210908	1220908	
20.5	5.5	12.2	67°	9mm HEX ⬢	1400908			

GW M 10 x 1.0

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
20.5	5.5	11	45°	11mm SQ. ■	1204709			
25	5.5	11.5	45°	11mm HEX ⬢	1201109	1211109	1221109	1241109
26	7	11.5	45°	11mm HEX ⬢	5242085			
47	7	11	45°	11mm SQ. ■	5242088			
25	5.5	11.5	67°	11mm HEX ⬢	1401109			

GW M 10 x 1.25

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
25	5.5	11.5	45°	11mm HEX ⬢	1201110			

GW M 10 x 1.5

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
25	5.5	11.5	45°	11mm HEX ⬢	1201111		1221111	

GW M 12 x 1.0

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬢	1201412			

GW M 12 x 1.5

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬢	1201414			

GW M 12 x 1.75

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬢	1201415			

GW M 14 x 1.5

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬢	1201417			

GW M 16 x 1.5

L1	L2	WL	W	SW	Ref.- No.: Steel	Brass	SST303	SST316L
25.5	7	13.5	45°	17mm HEX ⬢	1201719			

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
20.5	5.5	11	45°	11mm SQ. ■	1204756			
25	5.5	11.5	45°	11mm HEX ⬣	1201156	1211156	1221156	1241156
28.5	9	11.5	45°	11mm HEX ⬣	5241236			
36	5.5	11	45°	11mm SQ. ■	5242087			
25	5.5	11.5	67°	11mm HEX ⬣	1401156			

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬣	1201457	1211457	1221457	1241457

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
25.5	7	13.5	45°	17mm HEX ⬣	1201758			

GW 1/8" - 27 NPT/PTF

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
20.5	5.5	11	45°	11mm SQ. ■	1204767			
27	7	11.5	45°	11mm HEX ⬣	5242104			
24	7	14	67°	11mm HEX ⬣	5242105			

GW 1/4" - 18 NPT/PTF

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬣	1201468			

GW 1/4" - 26 BSF

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬣	1200944		1220944	
20.5	5.5	12.2	67°	9mm HEX ⬣	1400944			

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬣	1200937	1210937	1220937	
20.5	5.5	12.2	67°	9mm HEX ⬣	1400937			

GW 1/4" - BSW

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬣	1200950			

GW 5/16" - 22 BSF

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬣	1200945			
20.5	5.5	12.2	67°	9mm HEX ⬣	1400945			

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬣	1200938	1210938	1220938	
20.5	5.5	12.2	67°	9mm HEX ⬣	1400938			

GW 5/16" - BSW

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
23.5	5.5	10.5	45°	9mm HEX ⬣	1200951			

GW 3/8" - NPT/PTF

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
25.5	7	13.5	45°	17mm HEX ⬣	1201769			

GW 3/8" - 20 BSF

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
25	5.5	11.5	45°	11mm HEX ⬣	1201146			
25	5.5	11.5	67°	11mm HEX ⬣	1401140			

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
25	5.5	11.5	45°	11mm HEX ⬣	1201139			
25	5.5	11.5	67°	11mm HEX ⬣	1401139			

GW 3/8" BSW

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
25	5.5	11.5	45°	11mm HEX ⬣	1201152			

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

Ref.- No.:

L1	L2	WL	W	SW	Steel	Brass	SST303	SST316L
22.5	6.5	12	45°	14mm HEX ⬣	1201440			