

## BALL-TYPE GREASE NIPPLES ACCORDING TO FORMER DIN 3402

### APPLICATION AREA

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

### 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.

On request, 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.

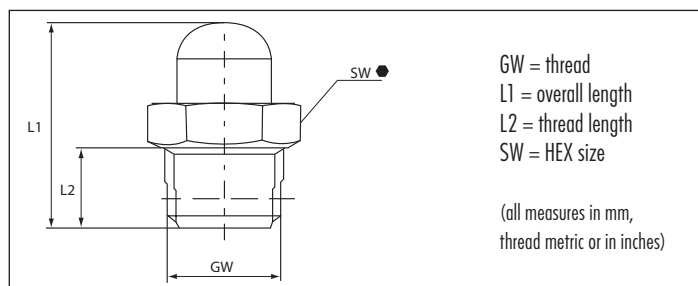


### Type K1



#### Ball-Type Grease Nipples

- according to former DIN 3402
- straight version A/180°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with tapered thread
- for other types and materials, please see table, or upon request



GW	M 5 x 0.8	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	7mm HEX	2100701	2110702		

GW	M 6 x 0.75	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	7mm HEX	2100703	2110703		

GW	M 6 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	7mm HEX	2100704	2110704	2120704	

GW	M 7 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	9mm HEX	2100905			

GW	M 8 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	9mm HEX	2100907	2110907	2120907	

GW	M 8 x 1.25	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	9mm HEX	2100908			

GW	M 10 x 1.0	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	11mm HEX	2101109			

GW	M 10 x 1.5	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	11mm HEX	2101111			

GW	R 1/8, 1/8 - 28 BSP	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
14	5.5	11mm HEX	2101156	2111156		

GW	R 1/4, 1/4 - 19 BSP	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
16	6.5	14mm HEX	2101457	2111457		

GW	R 3/8, 3/8 - 19 BSP	Ref.- No.:				
L1	L2	SW	Steel	Brass	SST303	SST316L
17.5	8	17mm HEX	2101758			

## Type K2

### Ball-Type Grease Nipples

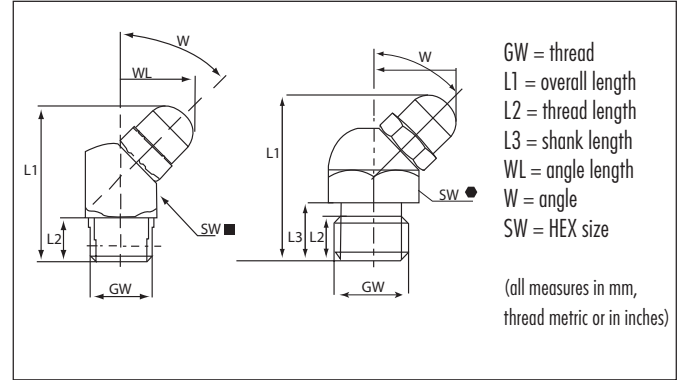
- according to former DIN 3402
- angled version B/45°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with tapered thread



GW	M 6 x 1.0						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
19	5.5		9	45°	9 mm SQ. ■		2204504			

GW	M 8 x 1.0						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
19	5.5		9	45°	9 mm SQ. ■		2204507			

GW	M 8 x 1.25						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
19	5.5		9	45°	9mm SQ. ■		2204508			
19	5.5		9	45°	11mm HEX ●			2111458		
20	5.5	6	9.5	45°	11mm HEX ●			2111470		



GW	M 10 x 1.0						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
14	5.5		9.5	45°	11mm SQ. ■		2204709			

GW	M 10 x 1.5						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
20	5.5	6	9.5	45°	11mm HEX ●			2111471		
27	5.5	9.5	9.5	45°	11mm HEX ●		2204711			

GW	R 1/8, 1/8 - 28 BSP						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
14	5.5		9.5	45°	11mm SQ. ■		2204756			
14	5.5		9.5	45°	11mm HEX ●			2111460		

GW	R 1/4, 1/4 - 19 BSP						Ref.- No.:			
L1	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
22	6.5		11.5	45°	14mm HEX ●		2201457			

## Typ K3

### Ball-Type Grease Nipples

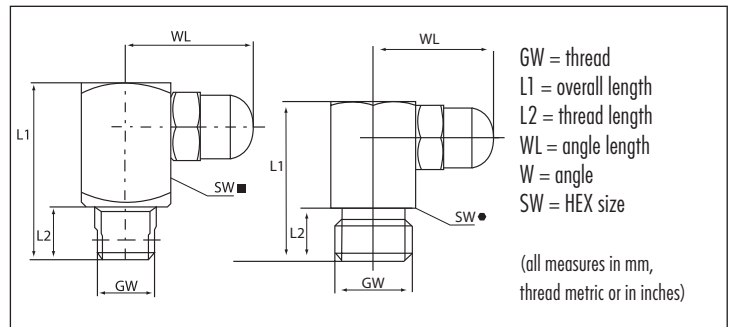
- according to former DIN 3402
- elbow version C/90°
- standard versions according to DIN are made of steel, zinc-plated and passivated, with tapered thread



GW	M 6 x 1.0					Ref.- No.:				
L1	L2	WL	W	SW		Steel	Brass	SST303	SST316L	
18	5.5	13	90°	9 mm SQ. ■		2304504				

GW	M 8 x 1.0					Ref.- No.:				
L1	L2	WL	W	SW		Steel	Brass	SST303	SST316L	
18	5.5	13	90°	9 mm SQ. ■		2304507				

GW	M 8 x 1.25					Ref.- No.:				
L1	L2	WL	W	SW		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*		



GW	M 10 x 1.0					Ref.- No.:				
L1	L2	WL	W	SW		Steel	Brass	SST303	SST316L	
18	5.5	14	90°	11mm SQ. ■		2304709				

GW	M 10 x 1.5 (cyl.)					Ref.- No.:				
L1	L2	WL	W	SW		Steel	Brass	SST303	SST316L	
19	5.5	13	90°	11mm HEX ●				2111469*		

GW	R 1/8, 1/8 - 28 BSP					Ref.- No.:				
L1	L2	WL	W	SW		Steel	Brass	SST303	SST316L	
18	5.5	14	90°	11mm SQ. ■		2304756				

GW	R 1/4, 1/4 - 19 BSP					Ref.- No.:				
L1	L2	WL	W	SW		Steel	Brass	SST303	SST316L	
22.5	6.5	15	90°	14mm HEX ●		2301457				