#### 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 reliably 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.



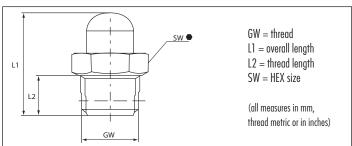
# Type K1



## **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	<b>5</b> x	0.8	Ref No.:			
	Ll	L2	SW		Steel	Brass	SST303	SST316L
Ī	14	5.5		7mm HEX ●	2100701	2110702		
	GW	M	6 x	0.75	Ref No.:			
\ \	LI	L2	SW		Steel	Brass	SST303	SST316L
Ī	14	5.5		7mm HEX	2100703	2110703		
	CW		,	1.0				
	GW	M	6 X	1.0	Ref No.:			
	L1	L2	SW		Steel	Brass	SST303	SST316L
1	14	5.5		7mm HEX	2100704	2110704	2120704	
	GW	AA	7	1.0	n ( )			
	LTVV							
<b>\</b>	_			1.0	Ref No.:			
<b>\</b>	Ll	L2	SW	1.0	Steel	Brass	SST303	SST316L
	_			9mm HEX ●		Brass	SST303	SST316L
	L1 14	<b>L2</b> 5.5	SW	9mm HEX ◆	Steel 2100905	Brass	SST303	SST316L
	L1 14 GW	<b>L2</b> 5.5	SW 8 x		Steel 2100905 Ref No.:	Brass		
	L1 14	<b>L2</b> 5.5	SW	9mm HEX ◆	Steel 2100905	Brass Brass	\$203 \$203 \$203	SST316L SST316L
	L1 14 GW	<b>L2</b> 5.5	SW 8 x	9mm HEX ◆	Steel 2100905 Ref No.:			
	L1 14 GW L1	L2 5.5 M L2 5.5	SW 8 x SW	9mm HEX <b>● 1.0</b> 9mm HEX <b>●</b>	Steel 2100905  Ref No.: Steel 2100907	Brass	SST303	
	GW L1 GW	L2 5.5 M L2 5.5	SW 8 x SW	9mm HEX <b>●</b> 1.0	Steel 2100905 Ref No.: Steel	Brass	SST303	SST316L
	L1 14 GW L1	L2 5.5 M L2 5.5	SW 8 x SW	9mm HEX <b>● 1.0</b> 9mm HEX <b>●</b>	Steel 2100905  Ref No.: Steel 2100907	Brass	SST303	
	GW L1 GW	L2 5.5 M L2 5.5	SW 8 x SW	9mm HEX <b>● 1.0</b> 9mm HEX <b>●</b>	Steel 2100905  Ref No.: Steel 2100907  Ref No.:	Brass 2110907	SST303 2120907	SST316L



		-	-				
GW	M	10 x 1.0		Ref No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
14	5.5	11mm HEX <b>●</b>	<b>)</b>	2101109			
GW	M	10 x 1.5		Ref No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
14	5.5	11mm HEX	<b>)</b>	2101111			
GW	R	1/8, 1/8 - 2	28 BSP	Ref No.:			
L1	L2	SW		Steel	Brass	SST303	SST316L
14	5.5	11mm HEX <b></b> ■	<b>)</b>	2101156	2111156		
GW	R	<b>1/4, 1/4</b> - 1	9 BSP	Ref No.:			
Ll	L2	SW		_	Brass	SST303	SST316L
16	6.5	14mm HEX 🗨	<b>)</b>	2101457	2111457		
GW	R	3/8, 3/8 - 1	9 BSP	Ref No.:			
Ll	L2	SW		Steel	Brass	SST303	SST316L

2101758

17.5 8

17mm HEX

## Type K2

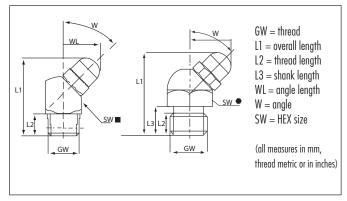
### **Ball-Type Grease Nipples**

- according to former DIN 3402
- $\cdot$  angled version B/45 $^{\circ}$
- · standard versions according to DIN are made of steel, zinc-ploted and passivated, with tapered thread





GW	M	6 x	1.0				Ref No.:			
Ll	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
19	5.5		9	45°		9 mm SQ. <b>■</b>	2204504			
GW	M	8 x	1.0				Ref No.:			
Ll	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.:			
Ll	L2	L3	WL	W	SW		Steel	Brass	SST303	SST316L
19	5.5		9	45°		9mm SQ. ■	2204508			
19	5.5		9	45°	]	1mm HEX ●		2111458		
20	5.5	6	9.5	45°	1	1mm 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. <b>■</b>	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.:			
GW L1	<b>R</b>	1/8, L3	1/8 WL	<b>- 28</b> W	<b>BSP</b> SW	Ref No.: Steel	Brass	SST303	SST316L
			•				Brass	SST303	SST316L
L1	L2		WL	W	SW	Steel	<b>Brass</b> 2111460	SST303	SST316L
<b>L1</b>	<b>L2</b> 5.5 5.5		WL 9.5 9.5	W 45° 45°	SW 11mm SQ. ■ 11mm HEX ●	Steel		SST303	SST316L
14 14	<b>L2</b> 5.5 5.5	L3	WL 9.5 9.5	W 45° 45°	SW 11mm SQ. ■ 11mm HEX ●	<b>Steel</b> 2204756		SST303 SST303	SST316L

# Typ K3

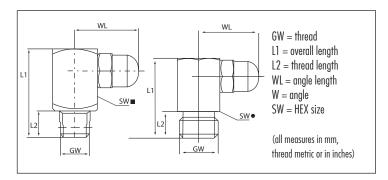
## **Ball-Type Grease Nipples**



- · according to former DIN 3402
- $\cdot$  elbow version C/90 $^{\circ}$
- · standard versions according to DIN are made of steel, zinc-plated and passivated, with tapered thread

GW

M 10 x 1.0



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*	;	

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.:			
GW L1	<b>R</b> L2	1/8, WL	1/8 W	<b>- 28 BSP</b> SW	Ref No.: Steel	Brass	SST303	SST316L
$\overline{}$		_				Brass	SST303	SST316L
Ll	L2	WL	W	SW	Steel	Brass	SST303	SST316L
Ll	<b>L2</b> 5.5	WL 14	<b>W</b> 90°	SW	Steel	Brass	SST303	SST316L
<b>L1</b> 18	<b>L2</b> 5.5	WL 14	<b>W</b> 90°	SW 11mm SQ. ■	<b>Steel</b> 2304756	Brass Brass	SST303 SST303	SST316L SST316L

Ref.- No.: