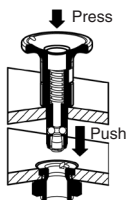


# Lock pin for clamping

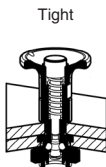
## GAR

## Introduction

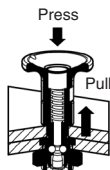
The **locking pins** are ergonomic items designed for the quick clamping of 2 plates. The system can be used for tool changing devices in the assembly area or for other manual movements, such as conversion to automatic installations. The **GAR-BAB** are lock pins based on the principle of a ball lock pin, offering excellent grip and easy handling. The **GAR-QT** are based on a quarter turn lock, with an On/Off indication. Although the model **GAR-DLL** can be used without the mounting sleeves, they still allow optimum use of the lock pins.



Button pressed, insert the locking pin into the fixing sleeve

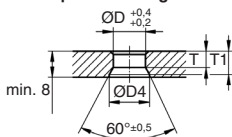


Release the button to clamp the plates



To remove, button pressed, pull the locking pin out of the fixing sleeve.

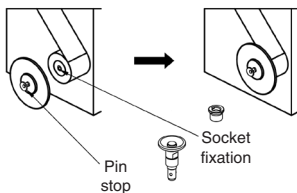
### Use without fixing sleeve Counterpart mounting dimensions



#### For locking pins

ØD=	ØD	min.	T	T1
6	6	12,5	4,9	~6,6
10	10	8	5	~7,2

### Example of use Quick mounting and removal of folded edge plates for paper rolls..



# Lock pin for clamping

## GARBAB

## Ball lock pin type

- **Ball lock pins for clamping**
- Locking element
- Materials :
  - Body and button, nickel-plated steel .
  - Spring, balls and retaining ring in stainless steel
  - O-ring FKM
- Working temperature: max 180°C

### Advantages

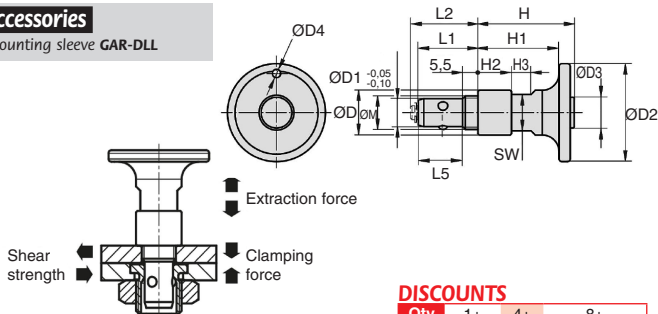
- Allows tool-free locking or unlocking and without screws by simple pressing.
- Saves time by avoiding the handling of tools.

### Infos

- The specified forces apply only for use with the **GAR-DLL** sleeves.

### Accessories

- Mounting sleeve **GAR-DLL**



### DISCOUNTS

Qty	1+	4+	8+
Disc.	Price	-5%	On request

Part number	ØD	ØD1	ØD2	ØD3	ØD4	ØM	L1	L2	L5	H	H1
GAR6-10/BAB	12	6	25	8	-	M8	19.0	21	13.5	22.2	18
GAR10-16/BAB	16	10	35	11	3	M12x1.5	21.5	23.5	16.0	34.4	29
Part number	H2	H3	SW	ØD5	ØD6	Tmax	Clamping force (N)	Shear strength (kN)	Extraction force (kN)	Price per unit 1 to 3	
GAR6-10/BAB	6	5.5	10	80	13	10	30	3	0.5	47,70 €	
GAR10-16/BAB	12	7.0	13	12	17	16	50	9	1.5	49,06 €	

Dimensions in mm

**HPC**

WEB  
04/2021

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# Mounting sleeve for lock pin

Makes it easy to hold the lock pins **GARDLL**

- Sleeve for locking pin GAR
- Surface mounted or flush mounted in a counter-bored hole
- Materials:
  - Nickel-plated steel
  - Stainless steel

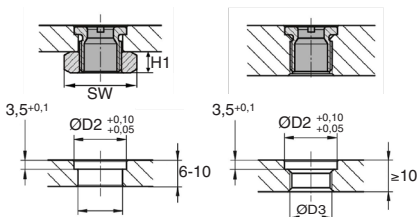


## Advantages

- Allows optimum retention of the locking pins GAR.

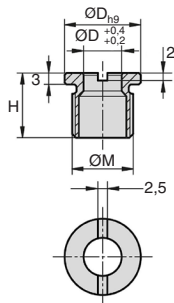
## Accessories

- Quarter-turn lock pins GAR-QT and the lock pins GAR-BAB



Mounting form A  
for plates with a 10 mm  
thickness

Mounting form B  
for plates thicker than  
10mm or in a blind hole



## DISCOUNTS

Qty	1+	4+	8+
Disc. Price	-	-5%	On request

Part number	ØD	ØD1	ØM	H	ØD2	ØD3	H1	SW	Price per unit 1 to 3
<b>Steel</b>									
GAR6-DLL	6	16	M12x1.5	15	16	13	-	-	7,51 €
GAR10-DLL	10	20	M16x1.5	17	20	17	-	-	8,17 €
DLL-M12-EC	Nut for GAR6-DLL						6	19	0,51 €
DLL-M16-EC	Nut for GAR10-DLL						8	24	0,69 €
<b>Stainless steel</b>									
GAR6-DLL/SS	6	16	M12x1.5	15	16	13	-	-	10,88 €
GAR10-DLL/SS	10	20	M16x1.5	17	20	17	-	-	13,63 €
DLL-M12-EC/SS	Nut for GAR6-DLL/SS						6	19	0,57 €
DLL-M16-EC/SS	Nut for GAR10-DLL/SS						8	24	0,99 €
<b>Assembly tools</b>									
DLL-M16-TOOL	Tools for GAR6-DLL and GAR10-DLL								20,81 €

Dimensions in mm

# Lock pin for clamping

## GARQT

## Quarter turn type

### - Quarter turn pin for clamping

- Locking element
- Materials :
  - Nickel-plated steel body.
  - Spring and balls in stainless steel
  - Button in black PA polyamide (glass-fibre reinforced)
- Working temperature: max 130°C

### Advantages

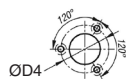
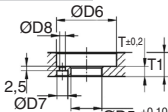
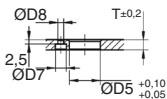
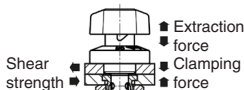
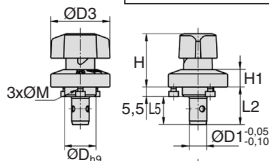
- Allows to change and lock quickly without tools and without screws in 1/4 turn.
- On/Off display of the lock.
- Saves time by avoiding the handling of tools.

### Infos

- Screws M2 or M3 are supplied
- The specified forces apply only for use with the GAR-DLL sleeves.

### Accessories

- Mounting sleeve GAR-DLL



Mounting form A:  
for 6mm to 12 mm plates

Mounting form B:  
for plates up to 20mm

### DISCOUNTS

Qty	1+	4+	8+
Disc. Price	-5%	-5%	On request

Part number	ØD	ØD1	ØD2	ØD3	ØD4	H	H1	L2	L5	ØM
GAR6-14/QT	14	6	25	25	21	24.5	6.5	19.5	14	M2x3
GAR10-16/QT	18	10	34	34	28	31	10	21.5	16	M3x4
GAR10-22/QT	18	10	34	34	28	31	10	27.5	22	M3x4

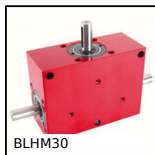
Part number	ØD5	ØD6	ØD7	ØD8	T	T1	Clamping force (N)	Shear strength (kN)	Extraction force (kN)	Price per unit 1 to 3
GAR6-14/QT	14	26	4.4	2.4	6	6-10	30	3	0.5	54,51 €
GAR10-16/QT	18	35	6.5	3.4	6	6-14	50	9	1.5	57,27 €
GAR10-22/QT	18	35	6.5	3.4	12	12-20	50	9	1.5	57,27 €

Dimensions in mm

## Our other products



BAG55  
Stainless steel  
Clamping collar,  
Stainless steel



BLHM30  
Right angled gearbox,  
double output shafts,  
up to 4.4 Nm



VTA  
Vari-Tork® slip  
friction clutch, 0.53 to  
1.32 Nm



IN1  
Internal gear, Steel  
20NCD2



CHB  
Double output shaft,  
For CHB gearbox



CHA\_GC\_9SS  
Stainless steel garnet  
hinge, To be welded



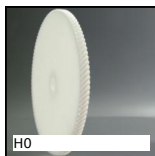
BAB  
Hardened Stainless  
steel ball pin,  
Stainless steel  
hardened



BOX-SHNA  
Hexagonal nut -  
DIN934, Box set of  
steel nuts



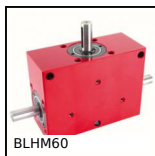
PRF19\_E  
Bracket for aluminium  
profile, PRF19 to  
PRF45



H0  
Crossed helical gear  
crossed axis at 90°,  
Machined plastic



PRF\_SDD\_1820  
Support for Ø18 or  
Ø20mm Prox  
detector, Ø18 and



BLHM60  
Right angled gearbox,  
double output shafts,  
up to 70 Nm

## Complementary products



GARDLL  
Mounting sleeve for  
lock pin, Nickel-plated  
steel or Stainless steel