

QUICKLOC®

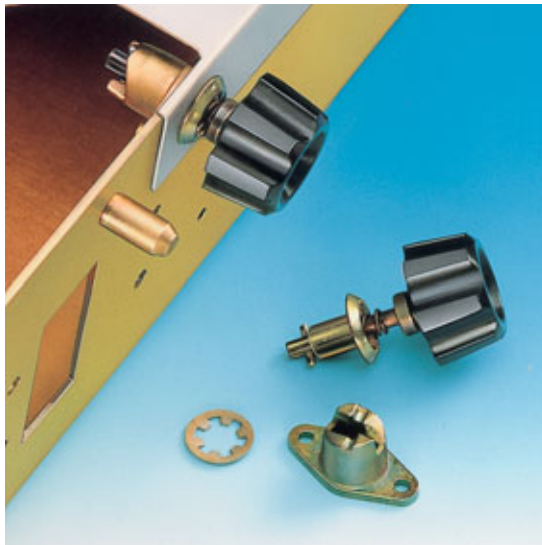
Clamp, turn and push-in fasteners
for quick, repeated unlockable fastenings and fast
assembly

BÖLLHOFF

QUICKLOC® Quick release fasteners**Area of Applications**

Quick release fasteners find applications in

- Aerospace technology
- Automotive and vehicle industry
- Construction and agricultural machinery
- Electric and electronic installations
- Transport control and safety apparatus etc.

**Product Advantages**

For the user they are

- Cost-effective and easy to mount
- Adaptable in colour and design
- User friendly
- Maintenance free
- Robust
- Reliable
- Vibration proof
- Proof against being lost
- Constant in pressing- and clamping force

In addition to standard types we have developed and manufactured a number of special designs. Our development team is ready to attack any quick release fastener problem with innovative ideas and solutions.

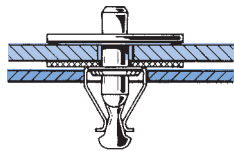
QUICKLOC® program survey



QUICKLOC® plastic

Plastic quarter-turn fastener
Left and right turn to open.
No corrosion.
Weight saving.

Page
4

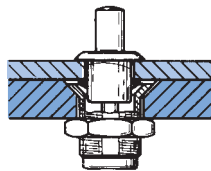


QUICKLOC®

Series 60 B 81 900

Quarter-turn pressure fastener. Left and right turn to open.
Easy mounting by push-in connection.
Secure operation even in the presence of dirt.

5 – 10

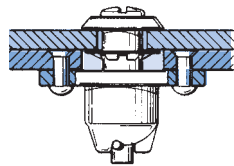


QUICKLOC®

Series 140 B 81 400

Push to operate fastener button.
Closing and opening by push-button.
Captive, proof against splash-water.
Efficient installation

11 – 13

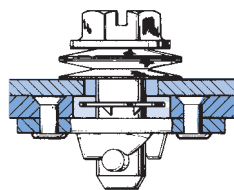


QUICKLOC®

Series 200 B 81 500

Quarter-turn fastener. High degree of functional integrity even in the presence of dirt.
Wide range of headforms of the tops of the fasteners.

14 – 19



QUICKLOC®

Series 1000 B 81 800

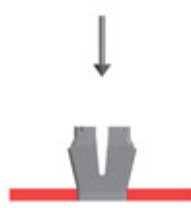
Quarter-turn fastener for rough usage and extremely high loading.
Functional integrity even in the presence of dirt.

20 – 22

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QUICKLOC® plastic Quarter-turn fastener

System



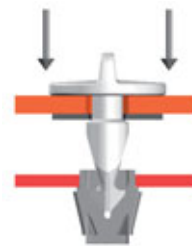
1. Clip the fastener cage into a rectangular opening.



2. The fastener cage clipped into position.



3. Feed the fastener pin through the hole, optionally secured against loss by a retaining washer.



4. To close push the fastener pin into the cage and engage it.



5. To open the fastener, a quarter-turn to the left or right will stretch the elastic part of the cage and release the fastener pin.

System description

Quick release fasteners facilitate access when fast, frequent opening and closing is required. With the QUICKLOC® plastic, the potential for innovation of the modern fastening technology from Böllhoff is clear. The fastening system is based on two individual parts: the fastener pin and the fastener cage.

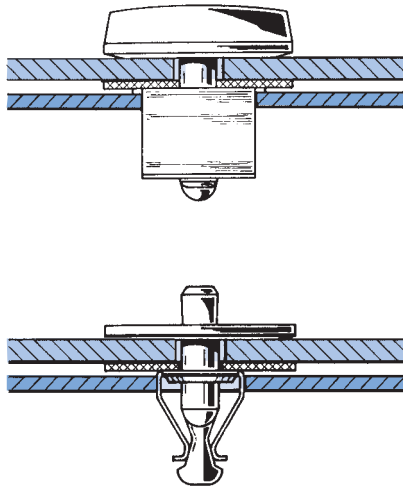


Advantages

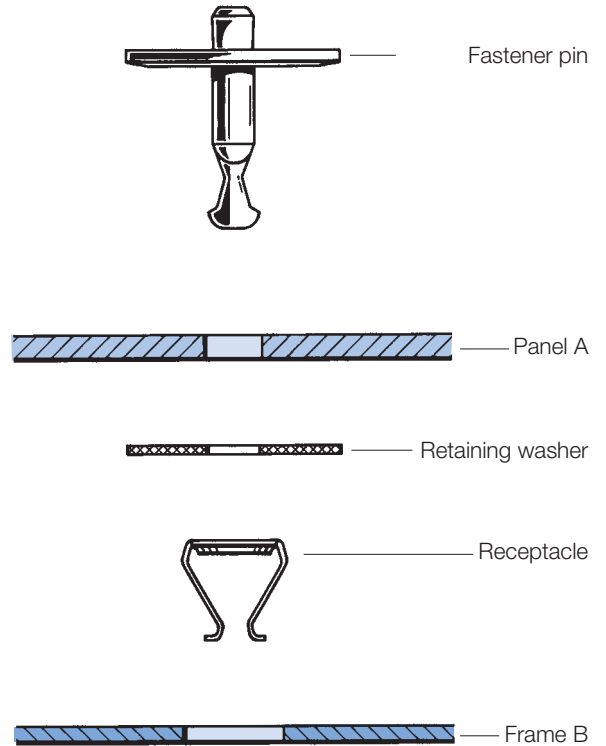
- Fast, no tools required for mounting
- Left or right turn to open or close
- No corrosion
- Weight saving
- Simple to close, by turning or applying axial pressure
- Quick to open and close
- Choice of colors and design

QUICKLOC® Quarter-turn pressure fasteners Series 60

System



Components



System description

- A fastener which is very secure even in the presence of dirt and where a high degree of resistance to corrosion is required. Useful range of tensile and compression load up to 600 N.
- For installation, the fastener is inserted through a hole in the cover and secured against loss by a retaining washer.
- The receptacle must be clipped into a rectangular hole.

Advantages

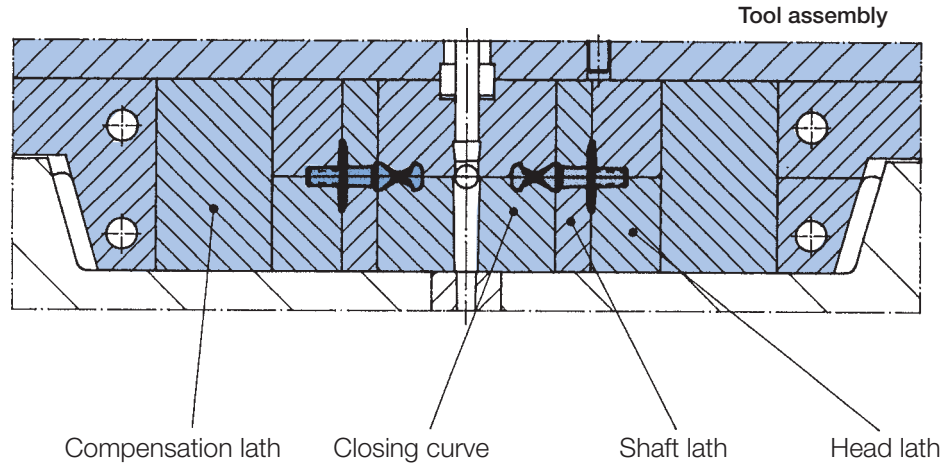
- No tools required for installation
- Left or right turn to open or close
- In the open position the fastener is unlocked and pushed out
- Optionally self-aligning and for use as a push-in fastener

Function

- To close, turn the fastener stud with light pressure one quarter turn to the right or left. The receptacle holds the stud in position by the sloping shoulders.
- For opening, a quarter turn to the right or left forces the legs of the spring apart. These in turn push the fasteners into the open position by the chamfer on the side of the stud.

QUICKLOC® Quarter-turn pressure fasteners Series 60

Basic information



Head lath

- The head lath is in two parts and includes the head geometry. The two-part construction means that some geometries (e.g. head bores) only are possible.
- Max. head diameter: 25 mm / Max. head height: 15 mm

Shaft lath

- The shaft lath includes the shaft geometry. Some shaft laths have a head insert. These laths can only be combined with head laths which have the same insert diameter.
- Max. shaft length: 50 mm / Min. shaft length: 17 mm

Closing curve

- Various versions of the closing curve are available. Select the version to match your application.

Compensation lath

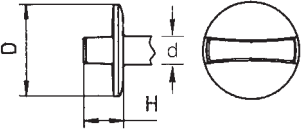
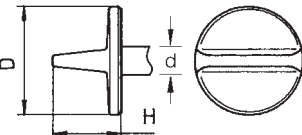
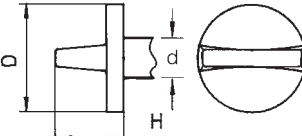
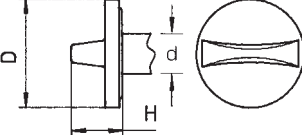
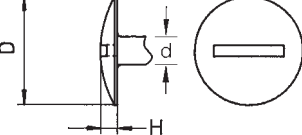
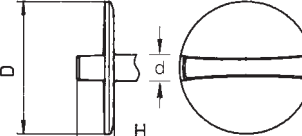
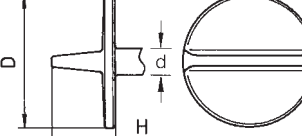
- The compensation lath depends on the length of the shaft lath. Ensure that the compensation lath matches the shaft length.

Closing curve table

(7/1)	(7/2)	(7/3)	(5/1)	(5/2)	(7/4)

QUICKLOC® Quarter-turn pressure fasteners Series 60

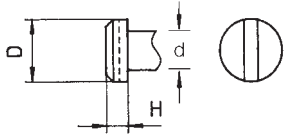
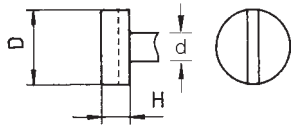
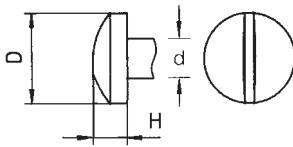
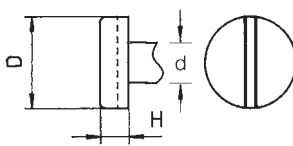
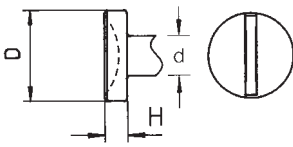
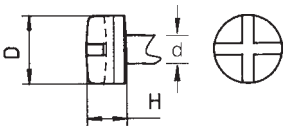
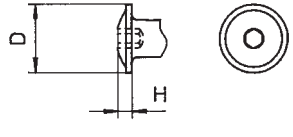
Fastener-top

Head type Material: Polyamide 6.6 GF	Head Ø dimension	Colour	Range for panel A and receptacle Size 1	Range for panel A and receptacle Size 2	Order No. B 81 900
	D = 17	white	3.5 – 4.5	2.5 – 3.5	0660 107 5218
	H = 7	black	3.5 – 4.5	2.5 – 3.5	0660 107 5318
	d = 5	black	8.5 – 9.5	7.5 – 8.5	0660 107 5323
	H = 12	black	11.5 – 12.5	10.5 – 11.5	0660 110 5328
	d = 5				
	D = 19	white	37.5 – 38.5	36.5 – 37.5	0660 110 5252
	H = 12	black	37.5 – 38.5	36.5 – 37.5	0660 110 5352
	d = 7				
	D = 19	RAL 2001	17.0 – 18.0	16.0 – 17.0	0660 115 6031
	H = 11,5	RAL 2001	32.5 – 33.5	31.5 – 32.5	0660 115 6048
	d = 7				
	D = 19	white	3.0 – 4.0	2.0 – 3.0	0660 152 5218
	H = 3	black	3.0 – 4.0	2.0 – 3.0	0660 152 5318
	d = 5	black	7.0 – 8.0	6.0 – 7.0	0660 152 5323
	D = 25	black	3.5 – 4.5	2.5 – 3.5	0660 106 5318
	H = 7	black	4.5 – 5.5	3.5 – 4.5	0660 106 5319
	d = 5	black	13.0 – 14.0	12.0 – 13.0	0660 106 5329
	D = 25	black	4.5 – 5.5	3.5 – 4.5	0660 106 5320
	H = 12				
	d = 5				

Other materials, colours and shaft length on request.

QUICKLOC® Quarter-turn pressure fasteners Series 60









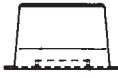

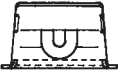

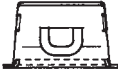

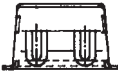

Fastener-top

Head type Material: polyamide 6.6 GF	Head Ø dimension	Colour	Grip range for panel A and receptacle Size 1	Grip range for panel A and receptacle Size 2	Order No. B 81 900
	D = 11 H = 3.8 d = 6.8	black	32.5 – 33.5	31.5 – 32.5	0660 153 5347
	D = 13 H = 5 d = 5	black	3.0 – 4.0	2.0 – 3.0	0660 151 5319
	D = 16 H = 6 d = 7	white	38.0 – 39.0	37.0 – 38.0	0660 150 5250
		RAL 7035	38.0 – 39.0	37.0 – 38.0	0660 150 5952
	D = 16 H = 6 d = 7	white	38.0 – 39.0	37.0 – 38.0	0660 150 5250
		15 RAL 7035	38.0 – 39.0	37.0 – 38.0	0660 150 5952
	D = 16 H = 4 d = 7	orange	17.0 – 18.0	16.0 – 17.0	0660 140 6031
		black	17.0 – 18.0	16.0 – 17.0	0660 140 5333
	D = 12 H = 7 d = 5	black	2.0 – 3.0	1.0 – 2.0	0660 135 5318
	D = 12 H = 2.5	black	7.0 – 8.0	6.0 – 7.0	0660 137 5323

Other head types, colours and shaft length on request.

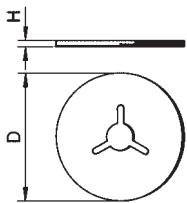
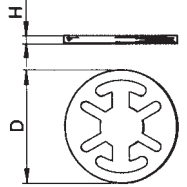
QUICKLOC® Quarter-turn pressure fastener Series 60

Receptacle

		Dimension	Material/ Surface finish	Order No./Size B 81900
		9 x 9 max. thickness 2 hole geometry 9.2 ± 0.1 x 9.2 ± 0.1	steel Delta Seal silver	size 1 0670 509 1100
			steel Delta Seal black	size 1 0670 509 1200
		9.4 x 9.4 max. thickness 3.2 hole geometry 9.4 + 0.1 x 9.4 + 0.1	steel Delta Seal black	size 1 0670 507 1200
			stainless steel	on request
		11 x 14 max. thickness 3 hole geometry 11 + 0.2 x 14 ± 0.2	steel zinc flake coating silver	size 2 0670 510 1100
			steel Delta Seal black	size 2 0670 510 1200
		12 x 16 max. thickness 3 hole geometry 12 + 0.2 x 16.2 + 0.2	steel Delta Seal black	size 2 0670 513 1200
		12 x 16 max. thickness 3 hole geometry 12 + 0.2 x 16 + 0.4	steel Dacromet silver	size 2 0670 512 1100
		14 x 16 R max. thickness 3 hole geometry 14 - 0.2 x 16.2 + 0.4	steel Delta Seal black	size 2 0670 516 1300
		14 x 16 R max. thickness 3 hole geometry 14 - 0.2 x 16.2 + 0.4	steel Delta Seal black	size 2 0670 526 1200
		14 x 16 2 R max. thickness 1,5 hole geometry 14 + 0.2 x 16 + 0.4	steel Delta Seal silver	size 2 0670 516 1400

QUICKLOC® Quarter-turn pressure fastener Series 60

Accessories for fastener

Description	Dimension	Material/ Surface finish	Order No. B 81 900
retaining washer 	D = 18.0 H = 1.0	plastic: polyamide 6 black	0680 108 5310
	D = 20.0 H = 1.0		0680 110 5310
	D = 16.0 H = 0.35	stainless steel blank	0680 206 0005

Installation notes

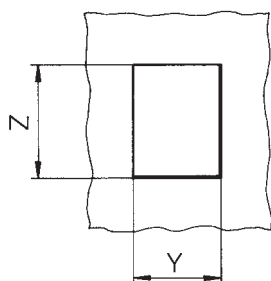
Panel A



Drill/punch a hole $\varnothing 7.2$ mm in the panel A. Where necessary, countersink this from below.

Measure the grip range of the panel (cover). If you are using the fastener complete with a retaining washer, remember to add this to the measurement. Add 0.35 or 1.0 mm to the measurement.

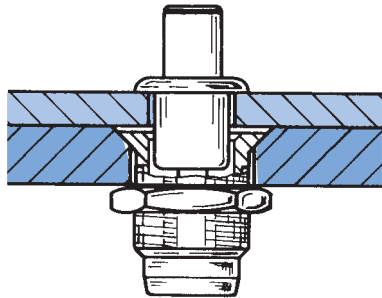
Frame B



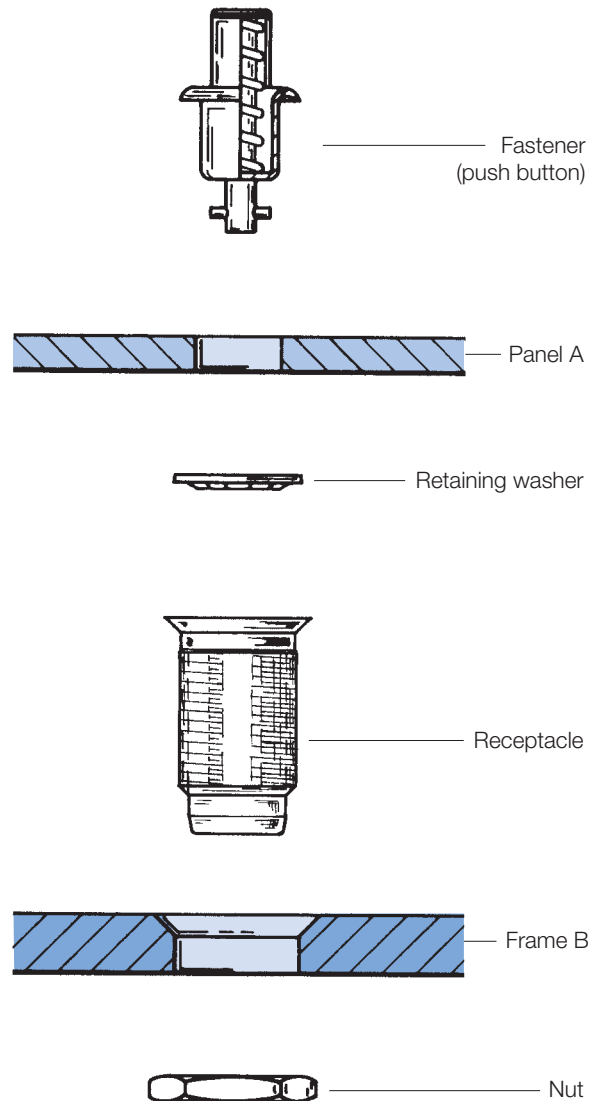
Punch a square hole in the frame B with the dimensions Y and Z. Insert the receptacle in the frame B. If the receptacle is not countersunk, it will always project 0.4 mm from the frame B. The overall height H is the same and fits all fasteners. The hole geometry is approximate only and depends on the material. Hole geometry will be different if the receptacle is inserted in thick sheet metal or plastic.

QUICKLOC® Pressure fastener Series 140

System



Components



System description

- A very secure fastener. Easy to installation, vibration proof, cannot be lost.

Only 2 components to be mounted:

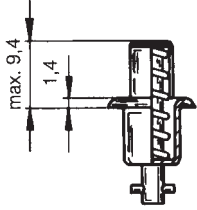

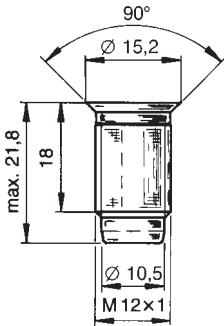
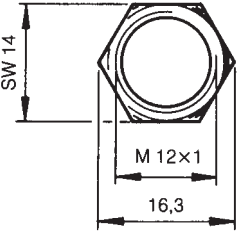
- The fastener, pre-assembled and adapted to the required grip thickness, is inserted into a hole in the panel and secured against lost by means of a retaining washer.
- The receptacle is inserted into a throughhole in the frame and secured with a nut.

Function

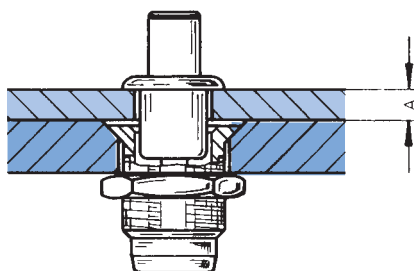
- To close, light pressure is applied to the push button of the fastener. The cross-pin of the springloaded fastener slides in guide slots into movable notches in the receptacle and makes a firm joint.
- Opening is effected by again pressing the stud, whereby the cross pin of the stud is disengaged from the receptacle by the pressure of the expanding spring.

QUICKLOC® Pressure fastener Series 140

Components

Description	Material/Surface finish	Dimension	Order No. B 81 400
Fastener 	steel zincd, clear passivated		0642 275 00XX*
	steel nickel plated		on request
	*see table of grip ranges		
Retaining washer 	stainless steel	d = 13	0652 092 0000
	stainless steel	d = 14	0652 092 0002
Receptacle 	zinc diecasting zincd, clear passivated		0642 200 0100
	zinc diecasting nickel plated		on request
	zinc diecasting blank		on request
Nut 	steel zincd, clear passivated		0652 200 9000
	steel nickel plated		on request

Grip range table for fasteners-upper part

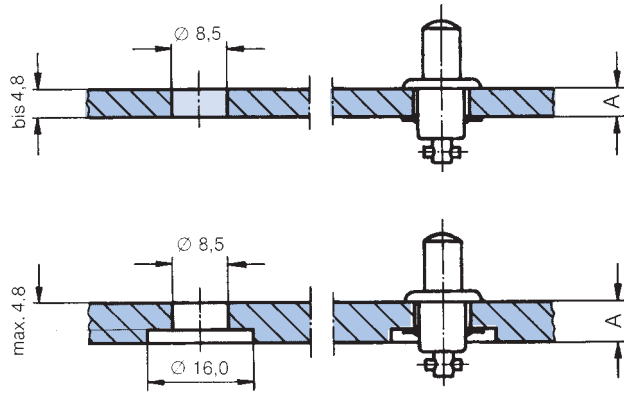


XX*	A
01	0.7 – 2.3
02	2.4 – 3.8
03	3.9 – 5.3
04	5.4 – 6.8
05	6.9 – 8.4
06	8.5 – 9.9
07	10.0 – 11.4
08	11.5 – 12.9

QUICKLOC® Pressure fastener Series 140

Installation notes

Panel A (see grip range table)



Fastener upper part

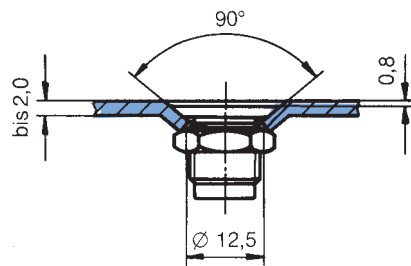
Punch or drill panel Ø 8.5 mm

■ For panel (A) thickness up to 4.8 mm countersink or de-burr lightly

■ For panel (A) thickness above 4.8 mm counterbore reverse side Ø 16.0 mm to accept retaining washer

Insert fastener and secure at rear with retaining washer.

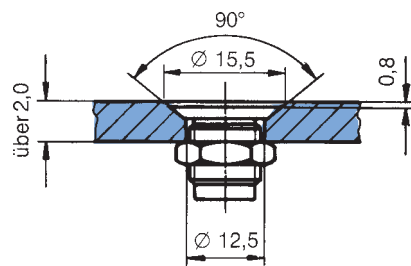
Frame B



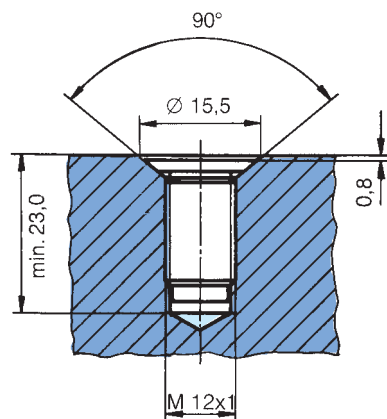
Receptacle

Punch or drill frame Ø 12.5 mm

■ For frame thickness up to 2.0 mm dimple and lock with nut.



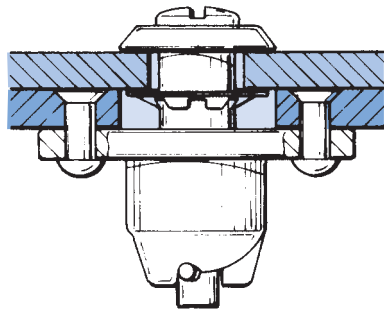
■ For panel (A) thickness above 2.0 mm countersink from above Ø 15.5 mm and lock with nut.



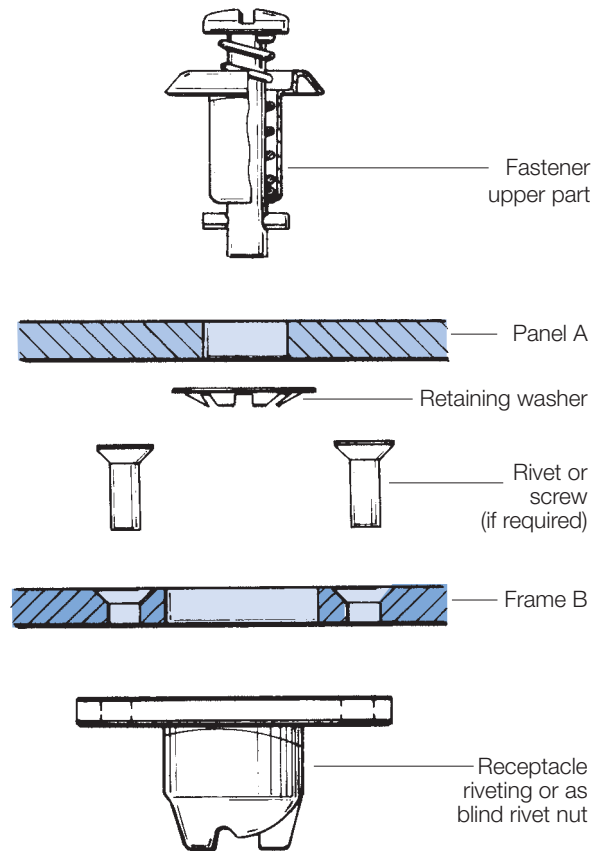
■ For screw-in application a screwed depth of at least 23.0 mm must be allowed, with countersink from above Ø 15.5 mm .

QUICKLOC® Quarter-turn fastener Series 200

System



Components



System description

- A fastener which is very secure even in the presence of dirt.

Only 2 components require to be mounted:

- The fastener upper part, pre-assembled and adapted to the required grip thickness, is put into a hole in the panel and secured against loss by means of a retaining washer.
- The receptacle is riveted or screwed to the frame under the through-hole.

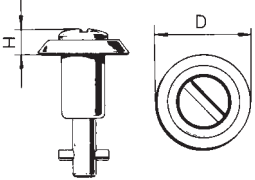
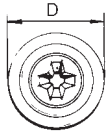
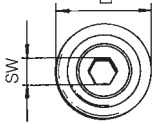
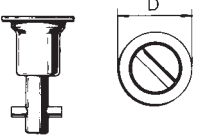
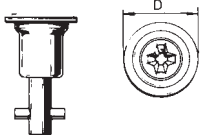
Function

- To close, the fastener turned to the right 90° with slight axial pressure. This causes the cross pin to ride up over the cam formed in the receptacle, engages in a notch formed in it, and ensures a firm joint.
- Opening is accomplished by a 90° turn to left, disengaging the cross pin via the cam from the receptacle aided by the force of the expanding spring and causing the fastener head to protrude visibly.

QUICKLOC® Quarter-turn fastener Series 200

Fastener upper part

The fastener upper part is ready assembled, and consists of a stud, spring cup, compression spring and cross pin.

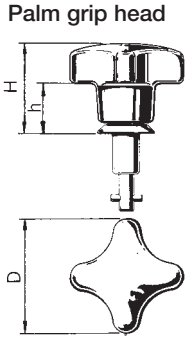
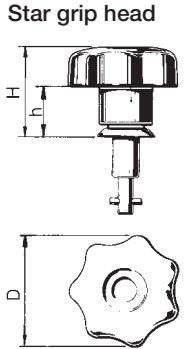
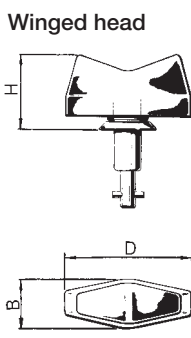
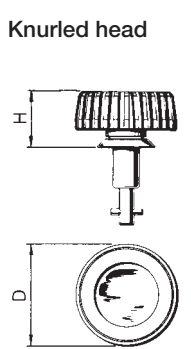
Head type	Dimension	Material/ Surface finish	Order No. B 81 500
Cylinder head with slot 	D = 12.5 H = 4.0	steel, hardened zincd colourless passivated, Chrome (VI) frei	0643 101 00XX*
		steel, hardened nickel plated	0643 301 00XX*
Cylinder head with cross slot 	D = 12.5 H = 4.0	steel, hardened zincd colourless passivated, Chrome (VI) frei	0643 105 00XX*
		steel, hardened nickel plated	0643 305 00XX*
Cylinder head with hexagon socket 	D = 12.5 H = 4.0 SW = 2.0 bzw. 2.5	steel, hardened zincd colourless passivated, Chrome (VI) frei	0643 109 00XX*
		steel, hardened nickel plated	0643 309 00XX*
Countersink head with slot 	D = 10.0	steel, hardened zincd colourless passivated, Chrome (VI) frei	0643 113 00XX*
		steel, hardened nickel plated	0643 313 00XX*
Countersink head with cross slot 	D = 10.0	steel, hardened zincd colourless passivated, Chrome (VI) frei	0643 117 00XX
		steel, hardened nickel plated	on request

* see grip range table 18
Other materials and surface finishes on request.

QUICKLOC® Quarter-turn fastener Series 200

Fastener upper part

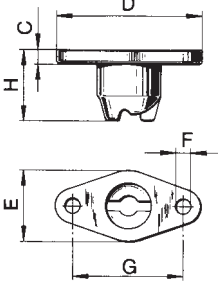
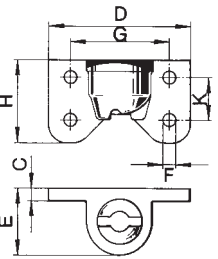
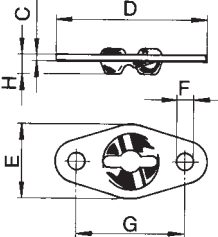
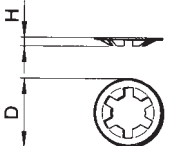
The fastener upper part is fully assembled and consists of a stud, spring cup, compression spring and cross pin.

Head type	Dimension	Material/ Surface finishes	
<p>Palm grip head</p> 	<p>D = 25 H = 20 h = 12</p>	<p>Head: polyamide 6.6 black Stud: steel, hardened zincd, yellow passivated</p>	<p>on request</p>
<p>Star grip head</p> 	<p>D = 25 H = 19 h = 11 D = 33 H = 23 h = 13</p>	<p>Head: polyamide 6.6 black Stud: steel, hardened zincd, yellow passivated</p>	<p>on request</p>
<p>Winged head</p> 	<p>D = 28 H = 18.5 B = 11.5 D = 33 H = 22 B = 13</p>	<p>Head: polyamide 6.6 black Stud: steel, hardened zincd, yellow passivated</p>	<p>on request</p>
<p>Knurled head</p> 	<p>D = 22 H = 15.5 D = 28.5 H = 19</p>	<p>Head: polyamide 6.6 black Stud: steel, hardened zincd, yellow passivated</p>	<p>on request</p>

QUICKLOC® Quarter-turn fastener Series 200

Receptacle and retaining washer

The receptacle can be combined with all fasteners of the series 200. See grip range table.

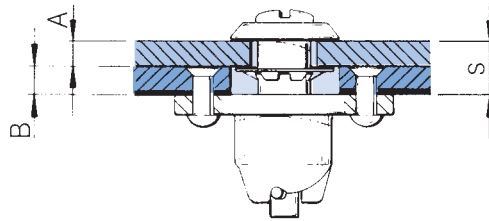
Description	Dimension Surface finish	Material/ B 81500	Order No.
Receptacle, high version 	D = 25.5 H = 12.5 C = 2.0 (steel 0.8) E = 12.5 (hard bronze 11.45) F = 2.4 G = 19.0	zinc diecasting, zincd, colourless passivated, Chrome (VI) free with lead-in	0653 100 0100
		steel, zincd, colourless passivated, Chrome (VI) free	0653 100 2200
		steel nickel plated	0653 300 2200
High version side mountin 	D = 27.5 H = 16.0 C = 2.3 E = 13.2 F = 2.4 G = 19.0 K = 8.6	aluminium diecasting anthracite anodized	0653 000 4100
For mounting on a side wall – the mounting position determines the length of the fastener – see grip range table page 18.			
Low version 	D = 25.5 H = 3.0 C = 0.8 E = 12.5 F = 2.4 G = 19.0	steel, zincd, colourless passivated, Chrome (VI) free	0653 100 2100
		stainless steel	0653 000 2500
This receptacle is used where for space reasons the high version cannot be used and a grip range over 10 mm is required. In addition this receptacle allows a larger grip range – see page 22.			
Retaining washer 	H = 0.8 D = 12.0 H = 1.1 D = 14.0	stainless steel	0653 092 0005
		stainless steel	0653 095 0005
The retaining washer is used on all fasteners of series 200.			

QUICKLOC® Quarter-turn fastener Series 200

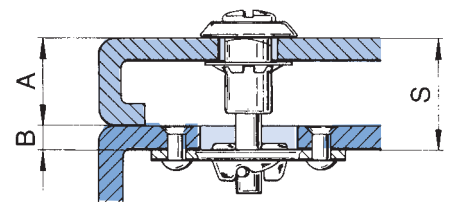
Calculation of grip ranges

The calculation of the grip range ($S = A + B$) for selection of the QUICKLOC® 200 is an important precondition for optimum operation. It is best carried out by actual measurement and should include ridges, airgaps and paint coating. In case of doubt, the next higher value is recommended.

High version



Flat version



Grip range table: high version

XX	S	XX	S
01	0.8 – 1.5	16	12.2 –12.9
02	1.5 – 2.3	17	12.9 –13.7
03	2.3 – 3.0	18	13.7 –14.5
04	3.0 – 3.8	19	14.5 –15.2
05	3.8 – 4.6	20	15.2 –16.0
06	4.6 – 5.3	21	16.0 –16.8
07	5.3 – 6.1	22	16.8 –17.5
08	6.1 – 6.8	23	17.5 –18.3
09	6.8 – 7.6	24	18.3 –19.0
10	7.6 – 8.4	25	19.0 –19.8
11	8.4 – 9.1	26	19.8 –20.6
12	9.1 – 9.9	27	20.6 –21.3
13	9.9 –10.7	28	21.3 –22.1
14	10.7 –11.4	29	22.1 –22.9
15	11.4 –12.2	30	22.9 –23.6

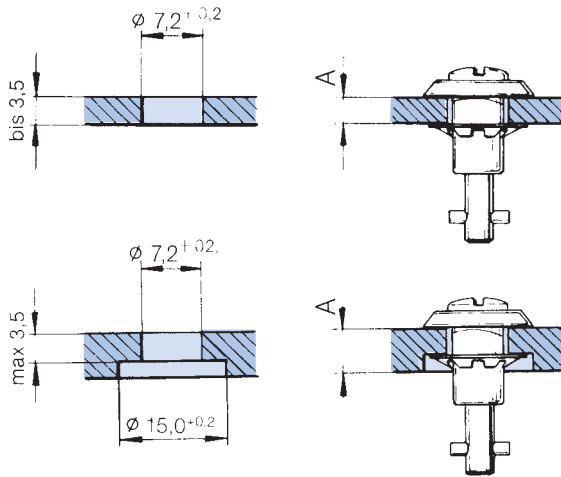
Grip range table: low version

XX	S	XX	S
01	9.9 –10.7	16	21.3 –22.1
02	10.7 –11.4	17	22.1 –22.9
03	11.4 –12.2	18	22.9 –23.6
04	12.2 –12.9	19	23.6 –24.3
05	12.9 –13.7	20	24.3 –25.1
06	13.7 –14.5	21	25.1 –25.9
07	14.5 –15.2	22	25.9 –26.6
08	15.2 –16.0	23	26.6 –27.3
09	16.0 –16.8	24	27.3 –28.1
10	16.8 –17.5	25	28.1 –28.9
11	17.5 –18.3	26	28.9 –29.6
12	18.3 –19.0	27	29.6 –30.3
13	19.0 –19.8	28	30.3 –31.3
14	19.8 –20.6	29	31.3 –31.9
15	20.6 –21.3	30	31.9 –32.6

QUICKLOC® Quarter-turn fastener Series 200

Installation notes

Panel A (see grip range table)

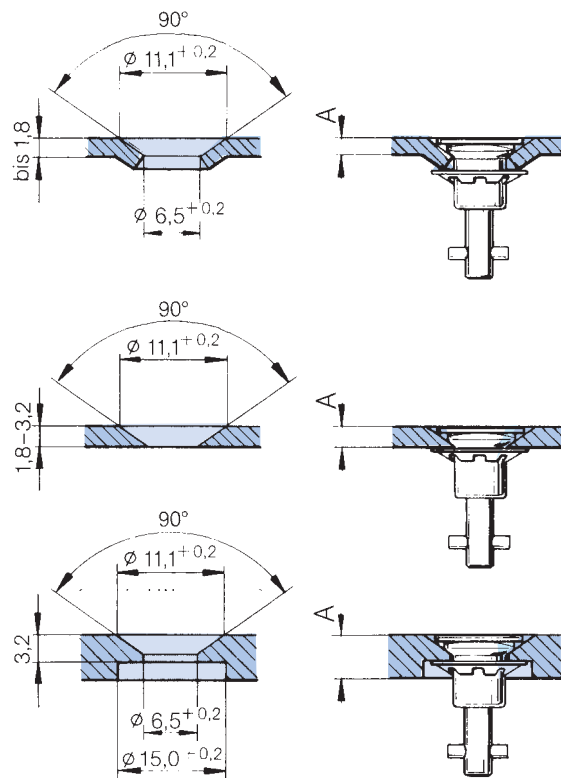


Models with overhanging fastener upper part (all head types except countersunk head):

punch/drill $\phi 7.2$ mm

- For panel (A) thickness up to 3.5 mm lightly countersink or burred
- For panel (A) thickness over 3.5 mm counterbore reverse side $\phi 15.0$ mm to accept retaining washer

Put in the fastener upper part and secure from the back with retaining washer.



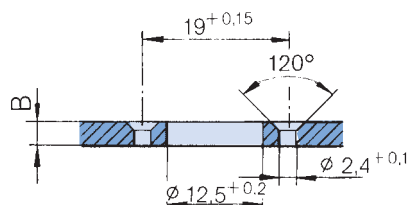
Models with countersunk fastener upper part

punch/drill panel part $\phi 6.5$ mm

- For panel (A) thickness up to 1.8 mm dimple it
- For panel (A) thickness 1.8 – 3.2 mm countersink from above
- For panel (A) above 3.2 mm additionally counterbore reverse side $\phi 15.0$ mm to accept retaining washer

Put in the fastener upper part and secure at rear with retaining washer.

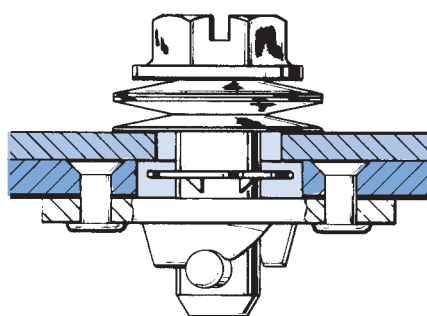
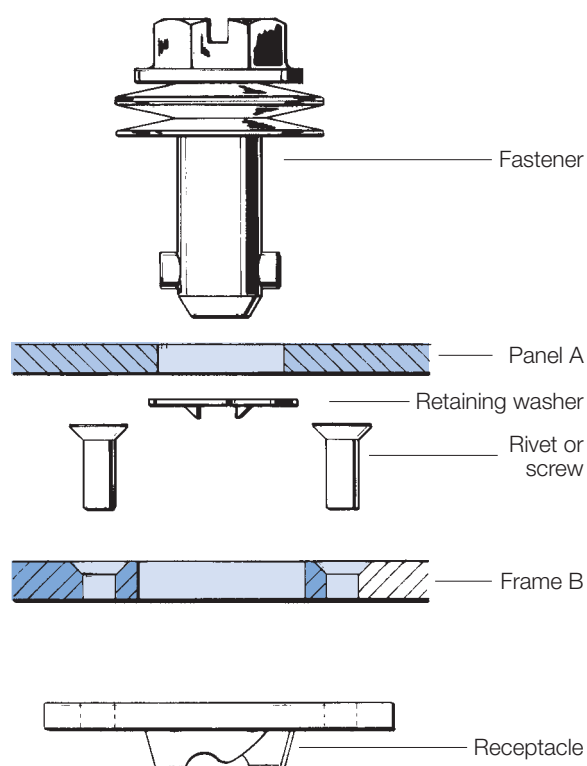
Frame B



The receptacle to be attached at the frame align behind a through hole of $\phi 12.5$ mm, by riveting or screwing using two countersunk holes $\phi 2.4$ mm spaced 19 mm apart.

- Exceptions: a) side mounting
b) special fasteners

Blind rivet nut mounting guidelines on request.

QUICKLOC® Quarter-turn fastener Series 1000
System

Components

System description

- A well tried quick release fastener, which can be expected to give absolute reliability despite usage and subjection to large forces.

Only 2 components to be mounted:

- The fastener – supplied assembled and adapted for the required grip range – is put in through a hole in the panel and secured against loss by a retaining washer.
- The receptacle is attached to the frame centrally under the through hole, by means of rivets or screws.

Function

- To close, turn the fastener 90° to the right under firm axial pressure. This causes the cross pin of the stud to ride up on the cam of the receptacle, engages in a notch and lead to a positive connection.
- To open, the stud is turned 90° to the left, whereby the cross pin of the stud is disengaged and pushed out of the receptacle by the unbending of the belleville spring washer.

QUICKLOC® Quarter-turn fasteners Series 1000

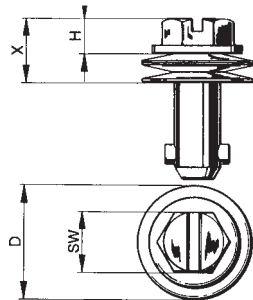
Components

The fastener upper part is fully assembled and consists of stud, Belleville spring washers and cross pin.

Description	Dimension	Material/ Surface finish	Order No. B 81800
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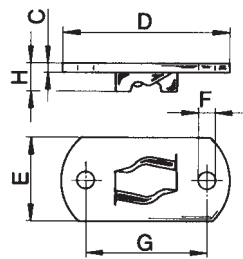
Hexagon head with slot

D = 19.0 H = 12.5 X ~ 16.5 SW = 13	steel, hardened, zined, colourless passivated, Chrome (VI) free	0646 129 00XX*
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* See grip range table on page 22

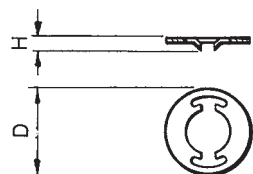
Special stud



	steel blank, weldable	0656 000 8400
D = 41.0 H = 7.5 C = 2.0	steel, zined, colourless passivated, Chrome (VI) free	0656 100 8000
E = 22.5 F = 3.2 G = 28.5	rivetable, steel, colourless passivated, Chrom (VI) frei rivetable, F = 4.2	0656 100 8800
	stainless steel blank, F = 4.2	0656 000 8600

Retaining washer

H = 1.6 D = 19	stainless steel blank	0656 092 0000
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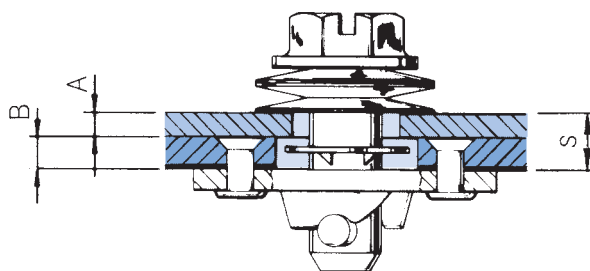


The retaining washer can be used with all fasteners of series 1000.

QUICKLOC® Quarter-turn Series 1000

Calculation of grip thickness

The calculation of the grip thickness ($S = A + B$) for selection of the QUICKLOC® 1000 with the grip range is an important precondition for optimum operation. It is best carried out by actual measurement and should include ridges, airgaps and paint coating. In case of doubt the next higher value is recommended.



Grip range table

XX	S	XX	S	XX	S	XX	S
01	0.8 – 1.6	11	8.5 – 9.3	21	16.1 – 16.9	31	23.7 – 24.5
02	1.6 – 2.4	12	9.3 – 10.0	22	16.9 – 17.6	32	24.5 – 25.3
03	2.4 – 3.2	13	10.0 – 10.8	23	17.6 – 18.4	33	25.3 – 26.0
04	3.2 – 4.0	14	10.8 – 11.6	24	18.4 – 19.2	34	26.0 – 26.8
05	4.0 – 4.7	15	11.6 – 12.6	25	19.2 – 19.9	35	26.8 – 27.6
06	4.7 – 5.5	16	12.3 – 13.1	26	19.9 – 20.7	36	27.6 – 28.3
07	5.5 – 6.2	17	13.1 – 13.8	27	20.7 – 21.5	37	28.3 – 29.1
08	6.2 – 7.0	18	13.8 – 14.6	28	21.5 – 22.2	38	29.1 – 29.8
09	7.0 – 7.7	19	14.6 – 15.4	29	22.2 – 23.0	39	29.8 – 30.6
10	7.7 – 8.5	20	15.4 – 16.1	30	23.0 – 23.7	40	30.6 – 31.4

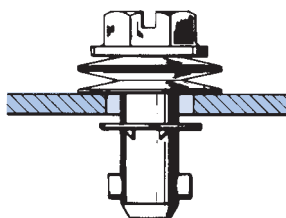
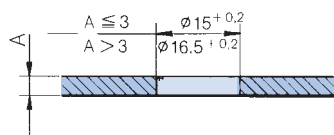
Order example:

- Fastener, hexagon head with slot, for grip range $S = 6.2$
- Receptacle, steel, zincd, yellow passivated
- Retaining washer, stainless steel, blank

- Order No. B 81800 0646 129 0008
- Order No. B 81800 0656 100 8000
- Order No. B 81800 0656 092 0000

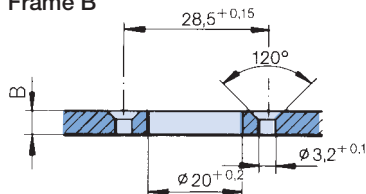
Installation notes

Panel A



- Punch/drill for panel (A) thickness up to 3 mm \varnothing 15 mm, beyond \varnothing 16.5 mm. Put in fastener upper part and secure against loss by means of retaining washer.
- The receptacle is attached to the frame behind a through hole of \varnothing 20 mm. Rivet or screw fixing using 2 countersunk holes \varnothing 3.2 mm, spaced 28.5 mm.

Frame B



- Receptacle can be welded. Clip version is in preparation.

Advisory Service for QUICKLOC® quick release fasteners

Customer data	Date of inquiry: _____	
	Company: _____ Address: _____ _____	
	Tel.: _____ Fax: _____ E-Mail: _____	
	Contact person (name and responsibilities): _____ _____	
	Applicable department: _____	
	Customer's authorisation guidelines: _____	
Requested date for visit from technical marketing manager: _____		
Application	Technical description (function, dimensions, tolerances, etc.)	
	Can Böllhoff – be supplied with a sample (according to application)? <input type="checkbox"/> yes <input type="checkbox"/> no	
	– be supplied with a drawing (of the application)? <input type="checkbox"/> yes <input type="checkbox"/> no	
	Manufacturing and tooling principle: _____	
Enclosures: _____		
Commercial information	New application: <input type="checkbox"/> yes <input type="checkbox"/> no	Prototypes required: <input type="checkbox"/> yes <input type="checkbox"/> no
	Annual requirement: _____	if yes, date and quantity: _____
	Qty supplied: _____	Initial sample required: <input type="checkbox"/> yes <input type="checkbox"/> no
	Duration of application: _____	if yes, date and quantity: _____
	Start of volume production (date): _____	Preliminary series required: <input type="checkbox"/> yes <input type="checkbox"/> no
		if yes, date and quantity: _____
	Current solution (to this or a similar application):	
	Technical problem areas:	

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Apart from these 22 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.



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