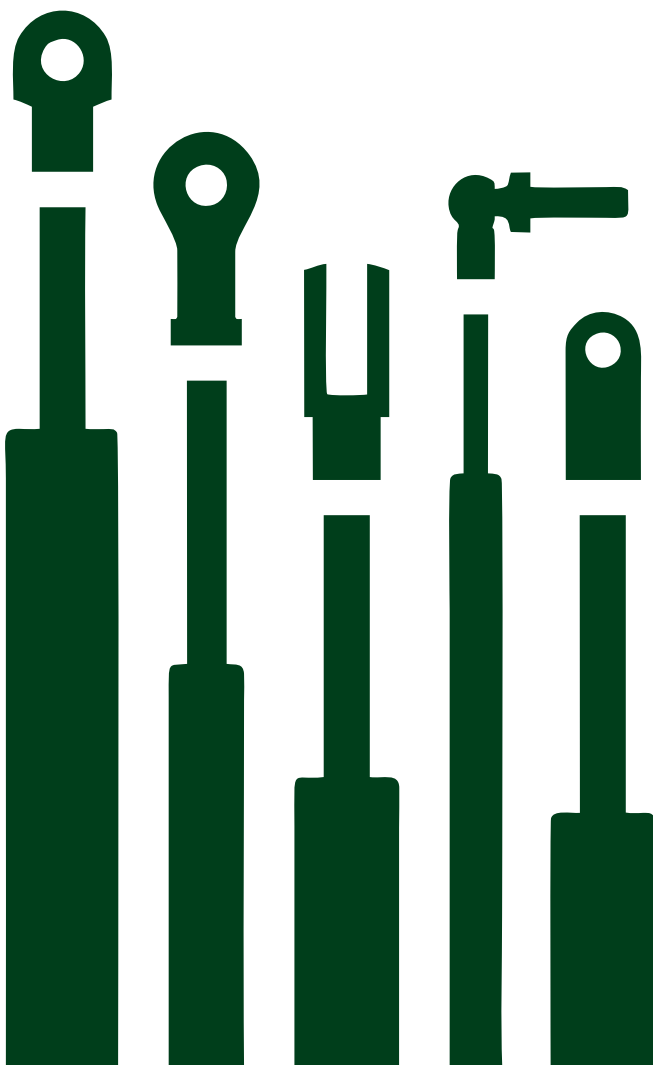


# **TAKA**

## END FITTINGS CATALOGUE



[www.takahardware.com](http://www.takahardware.com)  
[info@takahardware.com](mailto:info@takahardware.com)



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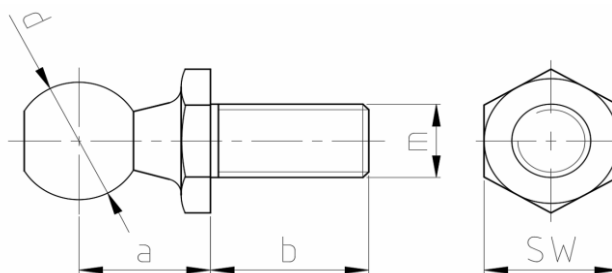
|                                                |                              |          |
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# BALL JOINT GROUP



## BALL STUDS DIN71803

BALL STUD FOM A DIN71803



| Code      | d   | m   | a  | b    | SW |
|-----------|-----|-----|----|------|----|
| BS1       | Ø8  | M6  | 9  | 10   | 8  |
| BS1-M5    | Ø8  | M5  | 9  | 10   | 8  |
| BS1-M4    | Ø8  | M4  | 9  | 10   | 8  |
| BS2       | Ø10 | M6  | 11 | 12,5 | 10 |
| BS3       | Ø10 | M8  | 11 | 12,5 | 10 |
| BS3-13    | Ø10 | M8  | 13 | 13   | 13 |
| BS3-13-20 | Ø10 | M8  | 13 | 20   | 13 |
| BS3-13-25 | Ø10 | M8  | 13 | 25   | 13 |
| BS4       | Ø13 | M8  | 13 | 16,5 | 13 |
| BS4-M10   | Ø13 | M10 | 13 | 20   | 13 |
| BS5       | Ø16 | M10 | 16 | 20   | 17 |
| BS5-M12   | Ø16 | M12 | 16 | 20   | 17 |
| BS6       | Ø19 | M14 | 20 | 28   | 19 |
| BS6-M16   | Ø19 | M16 | 20 | 28   | 19 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |
| Thread   | Left Hand                       | LH   |

Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

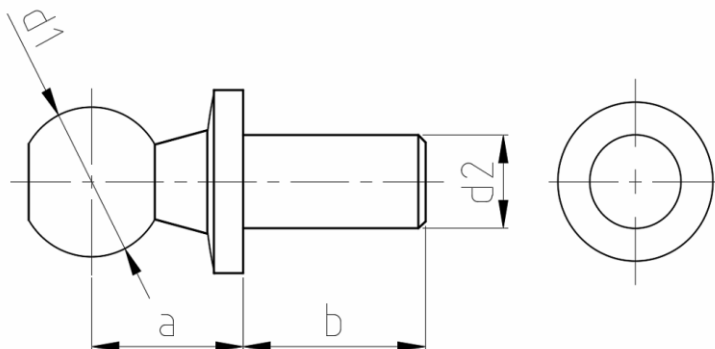
Thread: Right Hand

Tolerance: DIN/ISO 2768

Standart Products are produced to  
DIN 71803 specs.

## BALL STUDS DIN71803

### BALL STUD FORM B DIN71803



| Code | d1  | d2  | a    | b   |
|------|-----|-----|------|-----|
| BSB1 | Ø8  | Ø6  | 9    | 3,5 |
| BSB2 | Ø8  | Ø6  | 11   | 4,5 |
| BSB3 | Ø10 | Ø6  | 11   | 3,5 |
| BSB4 | Ø10 | Ø6  | 12,5 | 4,5 |
| BSB5 | Ø13 | Ø8  | 13   | 4,5 |
| BSB6 | Ø13 | Ø8  | 13   | 5   |
| BSB7 | Ø16 | Ø10 | 16   | 6   |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |
| Thread   | Left Hand                       | LH   |

Material: 11SMnPb30

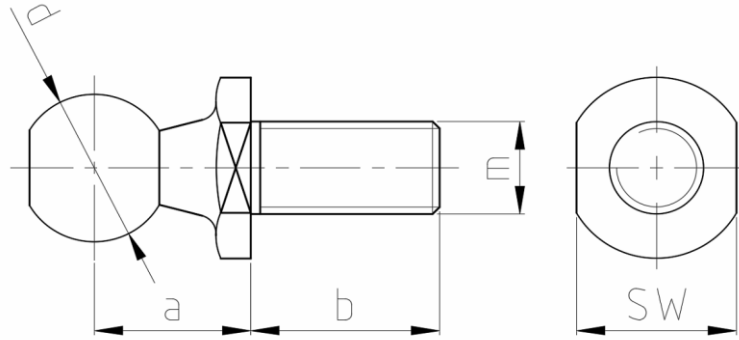
Plating: Zinc Plated/ Blue Passivation Thread: Right Hand

Tolerance: DIN/ISO 2768

Standart Products are produced to  
DIN 71803 specs.

## BALL STUDS DIN71803

### BALL STUD FORM C DIN71803



| Code     | d   | m   | a    | b    | SW |
|----------|-----|-----|------|------|----|
| BSC1-M4  | Ø8  | M4  | 9    | 10   | 7  |
| BSC1-M5  | Ø8  | M5  | 9    | 10   | 7  |
| BSC1     | Ø8  | M6  | 9    | 10   | 7  |
| BSC2     | Ø10 | M6  | 11   | 12,5 | 8  |
| BSC3     | Ø10 | M8  | 12,5 | 15   | 11 |
| BSC3-13  | Ø10 | M8  | 13   | 13   | 11 |
| BSC4     | Ø13 | M8  | 13   | 16,5 | 11 |
| BSC4-M10 | Ø13 | M10 | 13   | 20   | 11 |
| BSC5     | Ø16 | M10 | 16   | 20   | 13 |
| BSC5-M12 | Ø16 | M12 | 16   | 20   | 13 |
| BSC6     | Ø19 | M14 | 20   | 28   | 16 |
| BSC6-M16 | Ø19 | M16 | 20   | 28   | 16 |

### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |
| Thread   | Left Hand                       | LH   |

Material: 11SMnPb30

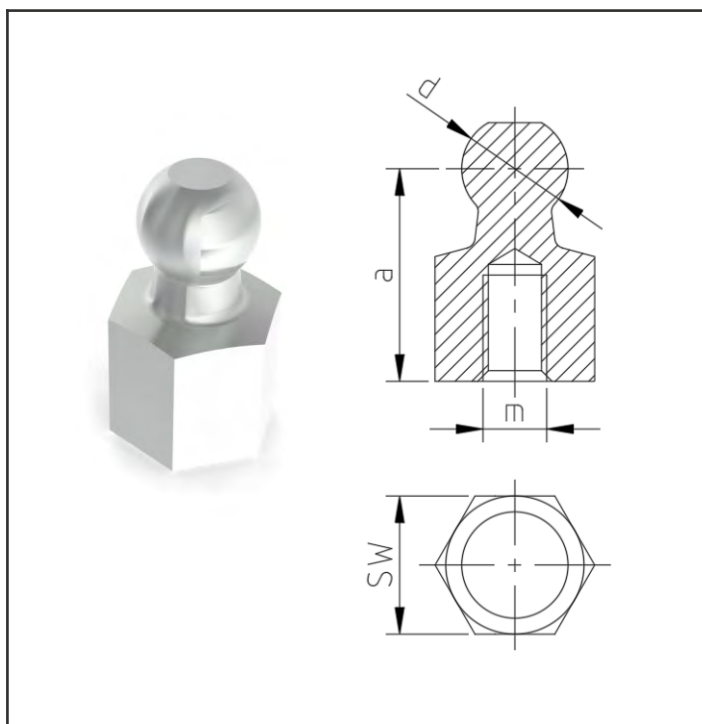
Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

Standart Products are produced to  
DIN 71803 specs.

## FEMALE BALL STUDS



| Code | d   | m   | A  | SW |
|------|-----|-----|----|----|
| FBS2 | Ø8  | M6  | 20 | 10 |
| FBS3 | Ø10 | M8  | 25 | 13 |
| FBS4 | Ø13 | M10 | 30 | 17 |
| FBS5 | Ø16 | M12 | 35 | 17 |

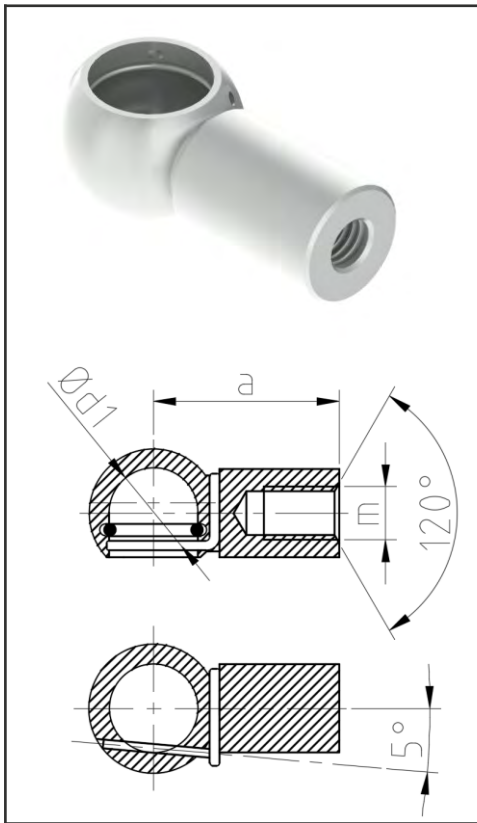
### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |
| Thread   | Left Hand                       | LH   |

Standart Products are produced to DIN 71803 specs.

Material: 11SMnPb30  
 Plating: Zinc Plated/ Blue  
 Passivation Thread: Right Hand  
 Tolerance: DIN/ISO 2768

## BALL SOCKETS DIN71805



Standard Products are produced to  
DIN 71805 specs.

Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

### ADITONAL CODES FOR SPECIAL PRODUCT

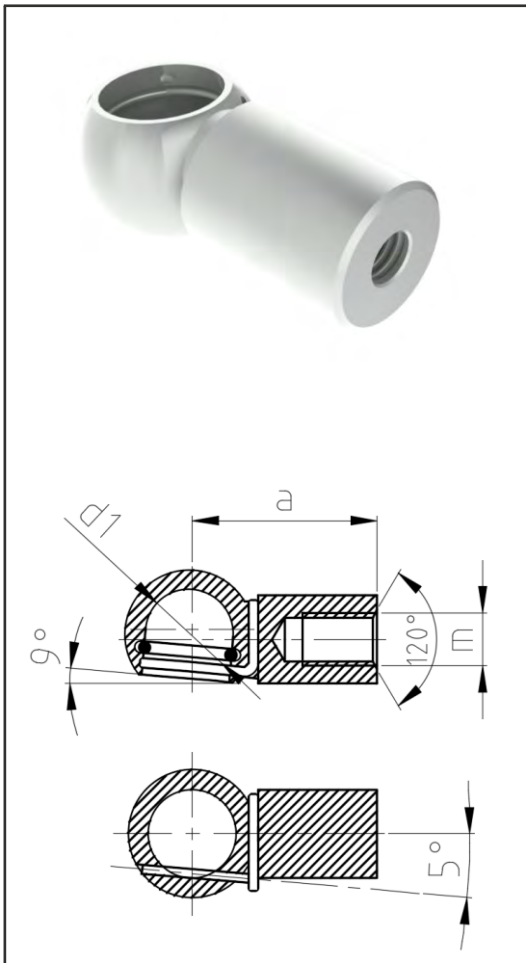
|          |                                    |      |
|----------|------------------------------------|------|
| Material | AISI 303                           | SS3  |
|          | AISI 304                           | SS4  |
|          | AISI 316                           | SS16 |
| Plating  | Zinc Plated/ Yellow<br>Passivation | ZnY  |
|          | Zinc Plated/ Black<br>Passivation  | ZnB  |
| Thread   | Left Hand                          | LH   |

| Code      | d1  | m   | a  |
|-----------|-----|-----|----|
| BC8-184   | Ø8  | M4  | 18 |
| BC8-185   | Ø8  | M5  | 18 |
| BC8-186   | Ø8  | M6  | 18 |
| BC8-224   | Ø8  | M4  | 22 |
| BC8-225   | Ø8  | M5  | 22 |
| BC8-226   | Ø8  | M6  | 22 |
| BC10-185  | Ø10 | M5  | 18 |
| BC10-186  | Ø10 | M6  | 18 |
| BC10-188  | Ø10 | M8  | 18 |
| BC10-196  | Ø10 | M6  | 19 |
| BC10-206  | Ø10 | M6  | 20 |
| BC10-208  | Ø10 | M8  | 20 |
| BC10-216  | Ø10 | M6  | 21 |
| BC10-218  | Ø10 | M8  | 21 |
| BC10-226  | Ø10 | M6  | 22 |
| BC10-228  | Ø10 | M8  | 22 |
| BC10-256  | Ø10 | M6  | 25 |
| BC10-258  | Ø10 | M8  | 25 |
| BC13-258  | Ø13 | M8  | 25 |
| BC13-2510 | Ø13 | M10 | 25 |
| BC13-306  | Ø13 | M6  | 30 |
| BC13-308  | Ø13 | M8  | 30 |
| BC16-3010 | Ø16 | M10 | 30 |
| BC16-3510 | Ø16 | M10 | 35 |
| BC16-3512 | Ø16 | M12 | 35 |
| BC16-3514 | Ø16 | M14 | 35 |
| BC19-4514 | Ø19 | M14 | 45 |

### SPECIAL PRODUCT CODE EXAMPLE

| BC10-256-LH-ZnB |   |    |                          |                                   |
|-----------------|---|----|--------------------------|-----------------------------------|
| D               | A | D1 | Ball Socket<br>Left Hand | Zinc Plated/ Black<br>Passivation |

## ANGLED BALL SOCKETS DIN71805



Material: 11SMnPb30  
 Plating: Zinc Plated/ Blue Passivation  
 Thread: Right Hand  
 Tolerance: DIN/ISO 2768

Standart Products are produced to DIN 71805 specs.

| Code       | d1  | m   | a  |
|------------|-----|-----|----|
| BCA8-185   | Ø8  | M5  | 18 |
| BCA8-186   | Ø8  | M6  | 18 |
| BCA8-225   | Ø8  | M5  | 22 |
| BCA8-226   | Ø8  | M6  | 22 |
| BCA10-186  | Ø10 | M6  | 18 |
| BCA10-188  | Ø10 | M8  | 18 |
| BCA10-196  | Ø10 | M6  | 19 |
| BCA10-206  | Ø10 | M6  | 20 |
| BCA10-208  | Ø10 | M8  | 20 |
| BCA10-216  | Ø10 | M6  | 21 |
| BCA10-218  | Ø10 | M8  | 21 |
| BCA10-226  | Ø10 | M6  | 22 |
| BCA10-228  | Ø10 | M8  | 22 |
| BCA10-256  | Ø10 | M6  | 25 |
| BCA10-258  | Ø10 | M8  | 25 |
| BCA13-258  | Ø13 | M8  | 25 |
| BCA13-2510 | Ø13 | M10 | 25 |
| BCA13-306  | Ø13 | M6  | 30 |
| BCA13-308  | Ø13 | M8  | 30 |
| BCA16-3010 | Ø16 | M10 | 30 |
| BCA16-3510 | Ø16 | M10 | 35 |
| BCA16-3512 | Ø16 | M12 | 35 |
| BCA19-4514 | Ø19 | M14 | 45 |

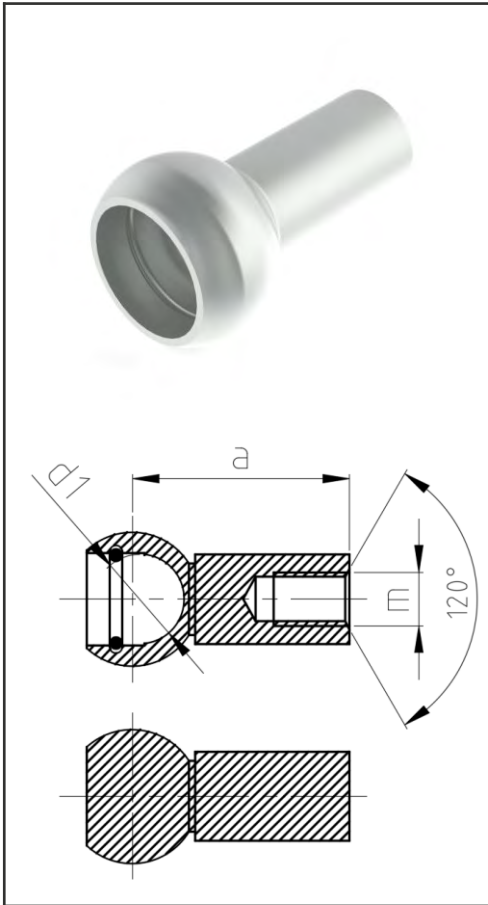
### SPECIAL PRODUCT CODE EXAMPLE

| BCA10-256-LH-ZnB |   |    |                       |                                |
|------------------|---|----|-----------------------|--------------------------------|
| D                | A | D1 | Ball Socket Left Hand | Zinc Plated/ Black Passivation |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |
| Thread   | Left Hand                       | LH   |

## AXIAL BALL SOCKETS DIN71805



Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

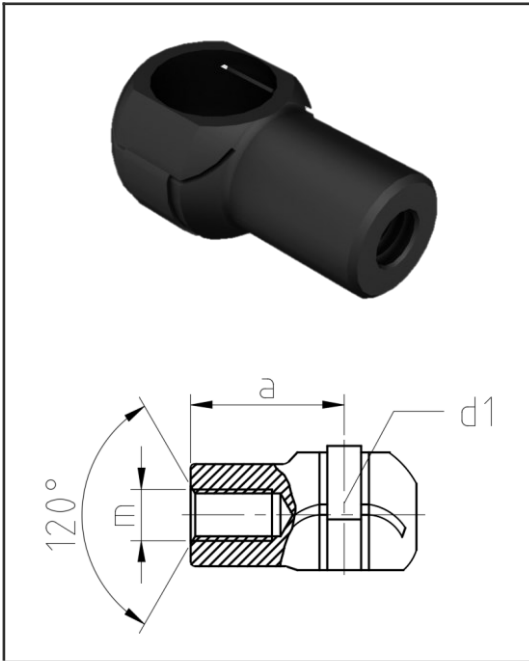
| Code       | d   | m   | a  |
|------------|-----|-----|----|
| DBC8-185   | Ø8  | M5  | 18 |
| DBC8-186   | Ø8  | M6  | 18 |
| DBC8-225   | Ø8  | M5  | 22 |
| DBC8-226   | Ø8  | M6  | 22 |
| DBC10-186  | Ø10 | M6  | 18 |
| DBC10-188  | Ø10 | M8  | 18 |
| DBC10-196  | Ø10 | M6  | 19 |
| DBC10-206  | Ø10 | M6  | 20 |
| DBC10-208  | Ø10 | M8  | 20 |
| DBC10-216  | Ø10 | M6  | 21 |
| DBC10-218  | Ø10 | M8  | 21 |
| DBC10-226  | Ø10 | M6  | 22 |
| DBC10-228  | Ø10 | M8  | 22 |
| DBC10-256  | Ø10 | M6  | 25 |
| DBC10-258  | Ø10 | M8  | 25 |
| DBC13-258  | Ø13 | M8  | 25 |
| DBC13-2510 | Ø13 | M10 | 25 |
| DBC13-306  | Ø13 | M6  | 30 |
| DBC13-308  | Ø13 | M8  | 30 |
| DBC16-3010 | Ø16 | M10 | 30 |
| DBC16-3510 | Ø16 | M10 | 35 |
| DBC16-3512 | Ø16 | M12 | 35 |

Standart Products are produced to DIN 71805 specs.

| SPECIAL PRODUCT CODE EXAMPLE |   |    |                       |                                |
|------------------------------|---|----|-----------------------|--------------------------------|
| DBC10-256-LH-ZnB             |   |    |                       |                                |
| D                            | A | D1 | Ball Socket Left Hand | Zinc Plated/ Black Passivation |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |
| Thread                             | Left Hand                       | LH   |

## ACCESSORIES FOR BALL JOINT GROUP

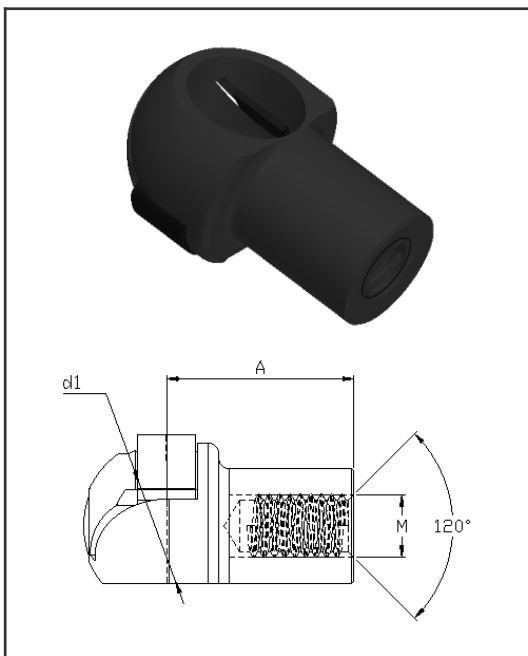


**Material:** 11SMnPb30  
**Plating:** Zinc Plated/ Black Passivation  
**Thread:** Right Hand  
**Tolerance:** DIN/ISO 2768  
**Mounted with Safety Clip**

| Code      | d   | m  | a  |
|-----------|-----|----|----|
| SBC10-196 | Ø10 | M6 | 19 |
| SBC10-198 | Ø10 | M8 | 19 |
| SBC13-226 | Ø13 | M6 | 22 |
| SBC13-228 | Ø13 | M8 | 22 |
| SBC13-256 | Ø13 | M6 | 25 |
| SBC13-258 | Ø13 | M8 | 25 |

### SPECIAL PRODUCT CODE EXAMPLE

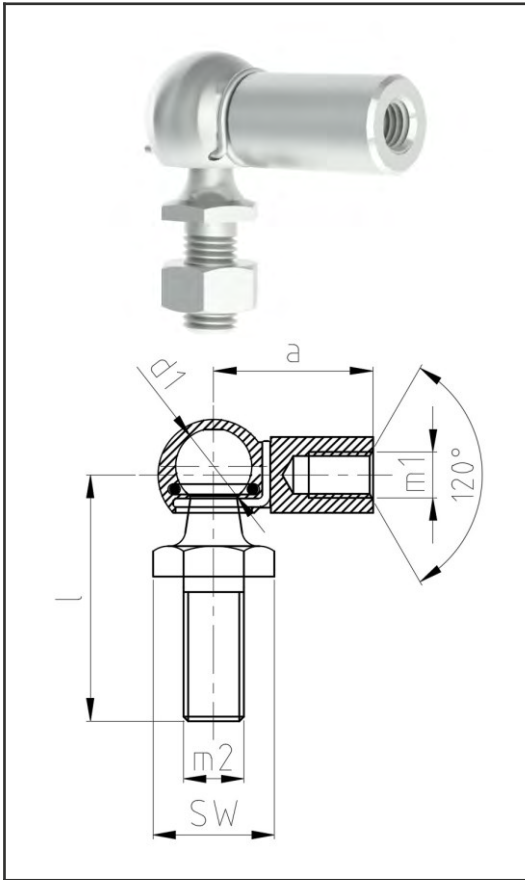
|           |   |    |
|-----------|---|----|
| SBC10-186 |   |    |
| d         | A | d1 |



| Code      | d   | m  | a  |
|-----------|-----|----|----|
| ZBC10-186 | Ø10 | M6 | 18 |
| ZBC10-188 | Ø10 | M8 | 18 |

**Material:** Zamac Alloy  
**Plating:** Zinc Plated/ Black Passivation  
**Thread:** Right Hand  
**Tolerance:** DIN/ISO 2768  
**Mounted with Safety Clip**

## BALL JOINT DIN71802



Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

Mounted with Circlip/ Safety Clip

### SPECIAL PRODUCT CODE EXAMPLE

BJ10-B-2566-LH1-ZnB-N-S-C

|   |                  |   |    |    |                       |                                |          |                   |              |
|---|------------------|---|----|----|-----------------------|--------------------------------|----------|-------------------|--------------|
| D | Ball Stud Form B | A | D1 | D2 | Ball Socket Left Hand | Zinc Plated/ Black Passivation | With Nut | Without Snap Ring | Sealing Caps |
|---|------------------|---|----|----|-----------------------|--------------------------------|----------|-------------------|--------------|

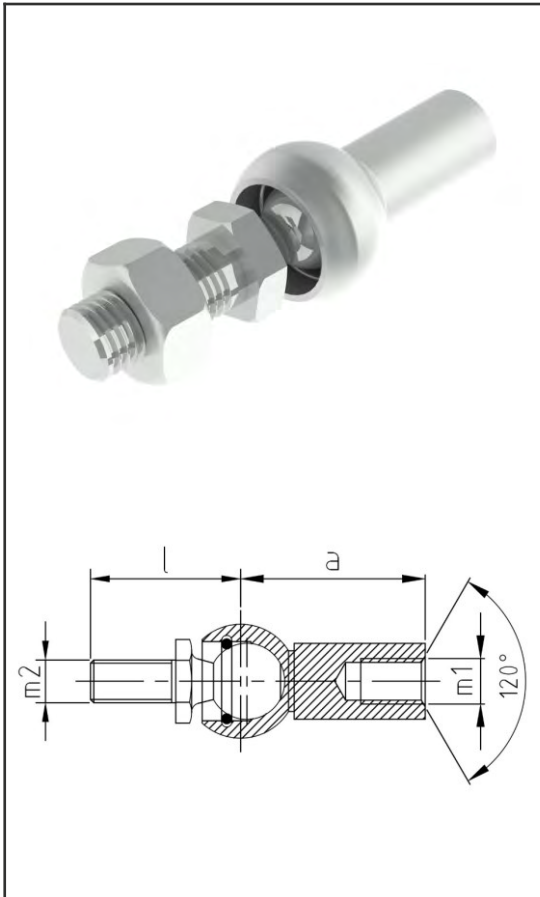
Standard Products are produced to DIN 71802 specs.

| Code        | d1  | a  | m1  | m2  | l    | SW |
|-------------|-----|----|-----|-----|------|----|
| BJ8-1855    | Ø8  | 18 | M5  | M5  | 19   | 8  |
| BJ8-1856    | Ø8  | 18 | M5  | M6  | 19,2 | 8  |
| BJ8-2255    | Ø8  | 22 | M5  | M5  | 19   | 8  |
| BJ8-2256    | Ø8  | 22 | M5  | M6  | 19,2 | 8  |
| BJ8-2266    | Ø10 | 22 | M6  | M6  | 19,2 | 8  |
| BJ10-1866   | Ø10 | 18 | M6  | M6  | 23   | 10 |
| BJ10-1888   | Ø10 | 18 | M8  | M8  | 23   | 13 |
| BJ10-1966   | Ø10 | 19 | M6  | M6  | 23   | 10 |
| BJ10-1968   | Ø10 | 19 | M6  | M8  | 23   | 13 |
| BJ10-1988   | Ø10 | 19 | M8  | M8  | 23   | 13 |
| BJ10-2166   | Ø10 | 21 | M6  | M6  | 23   | 10 |
| BJ10-2168   | Ø10 | 21 | M6  | M8  | 23   | 13 |
| BJ10-2566   | Ø10 | 25 | M6  | M6  | 23   | 10 |
| BJ10-2568   | Ø10 | 25 | M6  | M8  | 23   | 13 |
| BJ10-2588   | Ø10 | 25 | M8  | M8  | 23   | 13 |
| BJ13-2588   | Ø13 | 25 | M8  | M8  | 29   | 13 |
| BJ13-3088   | Ø13 | 30 | M8  | M8  | 29   | 13 |
| BJ16-351010 | Ø16 | 35 | M10 | M10 | 35   | 17 |

### ADITIONAL CODES FOR SPECIAL PRODUCT

|                   |                                 |      |
|-------------------|---------------------------------|------|
| Ball Stud         | Form B DIN 71803                | B    |
|                   | Form C DIN 71803                | C    |
| Material          | AISI 303                        | SS3  |
|                   | AISI 304                        | SS4  |
|                   | AISI 316                        | SS16 |
| Plating           | Zinc Plated/ Yellow Passivation | ZnY  |
|                   | Zinc Plated/ Black Passivation  | ZnB  |
| Thread            | Left Hand                       | LH   |
|                   | Ball Socket Left Hand           | LH1  |
|                   | Ball Stud Left Hand             | Lh2  |
| Sealing Caps      | Sealing Caps Mounted            | C    |
| Without Snap Ring |                                 | S    |
| With Nut          |                                 | N    |

## AXIAL BALL JOINT DIN71802



Material: 11SMnPb30  
 Plating: ZincPlated/ Blue Passivation  
 Thread: Right Hand  
 Tolerance: DIN/ISO 2768

| Code         | d1  | a  | m1  | m2  | l    | SW |
|--------------|-----|----|-----|-----|------|----|
| DBJ8-1855    | Ø8  | 18 | M5  | M5  | 19   | 8  |
| DBJ8-1856    | Ø8  | 18 | M5  | M6  | 19,2 | 8  |
| DBJ8-2255    | Ø8  | 22 | M5  | M5  | 19   | 8  |
| DBJ8-2256    | Ø8  | 22 | M5  | M6  | 19,2 | 8  |
| DBJ8-2266    | Ø10 | 22 | M6  | M6  | 19,2 | 8  |
| DBJ10-1866   | Ø10 | 18 | M6  | M6  | 23   | 10 |
| DBJ10-1888   | Ø10 | 18 | M8  | M8  | 23   | 13 |
| DBJ10-1966   | Ø10 | 19 | M6  | M6  | 23   | 10 |
| DBJ10-1968   | Ø10 | 19 | M6  | M8  | 23   | 13 |
| DBJ10-1988   | Ø10 | 19 | M8  | M8  | 23   | 13 |
| DBJ10-2166   | Ø10 | 21 | M6  | M6  | 23   | 10 |
| DBJ10-2168   | Ø10 | 21 | M6  | M8  | 23   | 13 |
| DBJ10-2566   | Ø10 | 25 | M6  | M6  | 23   | 10 |
| DBJ10-2568   | Ø10 | 25 | M6  | M8  | 23   | 13 |
| DBJ10-2588   | Ø10 | 25 | M8  | M8  | 23   | 13 |
| DBJ13-2588   | Ø13 | 25 | M8  | M8  | 29   | 13 |
| DBJ13-3088   | Ø13 | 30 | M8  | M8  | 29   | 13 |
| DBJ16-351010 | Ø16 | 35 | M10 | M10 | 35   | 17 |

### SPECIAL PRODUCT CODE EXAMPLE

BJ10-B-2566-LH1-ZnB-N-S-C

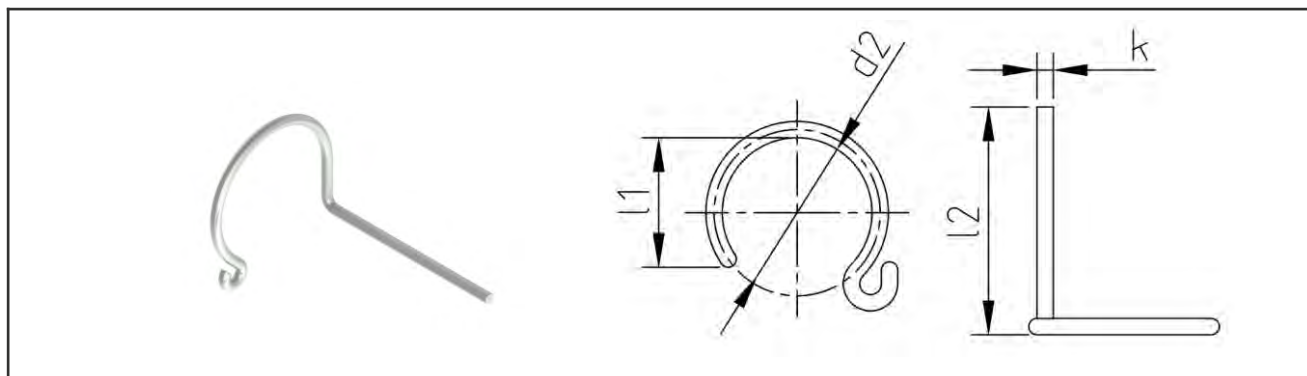
|   |                  |   |    |    |                       |                                |          |                   |              |
|---|------------------|---|----|----|-----------------------|--------------------------------|----------|-------------------|--------------|
| D | Ball Stud Form B | A | D1 | D2 | Ball Socket Left Hand | Zinc Plated/ Black Passivation | With Nut | Without Snap Ring | Sealing Caps |
|---|------------------|---|----|----|-----------------------|--------------------------------|----------|-------------------|--------------|

Standard Products are produced to DIN 71802 specs.

### ADITONAL CODES FOR SPECIAL PRODUCT

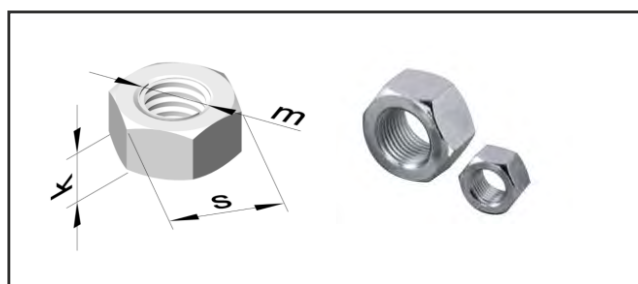
|                   |                                 |      |
|-------------------|---------------------------------|------|
| Ball Stud         | Form B DIN 71803                | B    |
|                   | Form C DIN 71803                | C    |
| Material          | AISI 303                        | SS3  |
|                   | AISI 304                        | SS4  |
|                   | AISI 316                        | SS16 |
| Plating           | Zinc Plated/ Yellow Passivation | ZnY  |
|                   | Zinc Plated/ Black Passivation  | ZnB  |
| Thread            | Left Hand                       | LH   |
|                   | Ball Socket Left Hand           | LH1  |
|                   | Ball Stud Left Hand             | Lh2  |
| Sealing Caps      | Sealing Caps Mounted            | C    |
| Without Snap Ring |                                 | S    |
| With Nut          |                                 | N    |

## ACCESSORIES FOR BALL JOINT GROUP



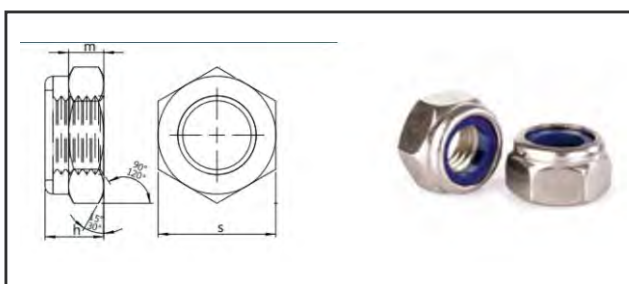
| Ballhousing / Balljoint<br>d1 | d2  | l1   | l2   | k   |
|-------------------------------|-----|------|------|-----|
| SAFETY CIRCLIP Ø8             | 7   | 6,5  | 12   | 1   |
| SAFETY CIRCLIP Ø10            | 8,7 | 7,7  | 12,5 | 1   |
| SAFETY CIRCLIP Ø13            | 11  | 9,5  | 15,7 | 1,2 |
| SAFETY CIRCLIP Ø16            | 13  | 11   | 19   | 1,4 |
| SAFETY CIRCLIP Ø19            | 20  | 16,5 | 24   | 1,5 |

### HEXAGONAL NUT



| CODE  | S  | M   | K   |
|-------|----|-----|-----|
| NUT04 | 7  | M4  | 3   |
| NUT05 | 8  | M5  | 4   |
| NUT06 | 10 | M6  | 5   |
| NUT08 | 13 | M8  | 6,5 |
| NUT10 | 17 | M10 | 8   |
| NUT12 | 19 | M12 | 10  |
| NUT14 | 22 | M14 | 11  |
| NUT16 | 24 | M16 | 13  |

### NYLOCK HEXAGONAL NUT



| CODE   | S  | M   | K   |
|--------|----|-----|-----|
| NNUT04 | 7  | M4  | 3   |
| NNUT05 | 8  | M5  | 4   |
| NNUT06 | 10 | M6  | 5   |
| NNUT08 | 13 | M8  | 6,5 |
| NNUT10 | 17 | M10 | 8   |
| NNUT12 | 19 | M12 | 10  |
| NNUT14 | 22 | M14 | 11  |
| NNUT16 | 24 | M16 | 13  |

# PLASTIC GROUP



## PALIO PLASTIC BALL JOINT



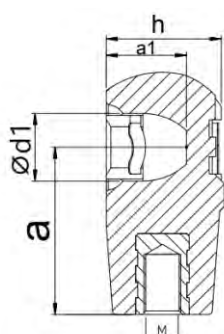
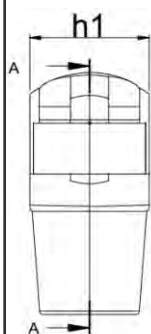
| Code       | d1  | d2  | a  | a1   | m  | h    | Thread  |
|------------|-----|-----|----|------|----|------|---------|
| PPBS10-186 | Ø10 | Ø12 | 18 | 26,5 | M6 | 13,3 | Plastic |
| PPBS10-186 | Ø10 | Ø12 | 18 | 26,5 | M6 | 13,3 | Metal   |
| PPBS10-188 | Ø10 | Ø12 | 18 | 26,5 | M8 | 13,3 | Plastic |
| PPBS10-188 | Ø10 | Ø12 | 18 | 26,5 | M8 | 13,3 | Metal   |

Body: PA66 GF30  
Clip: CK67 Zn/Black  
Thread: Brass

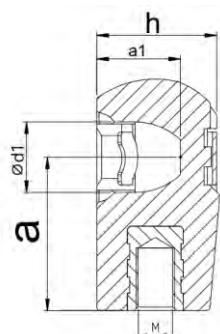
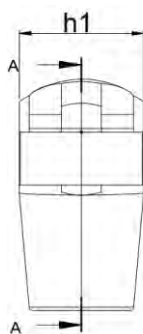
| Code        | d1  | a  | m1 | m2 | l  | SW |
|-------------|-----|----|----|----|----|----|
| PPBJ10-1866 | Ø10 | 18 | M6 | M6 | 19 | 10 |
| PPBJ10-1868 | Ø10 | 18 | M6 | M8 | 19 | 13 |
| PPBJ10-1886 | Ø10 | 18 | M8 | M6 | 19 | 10 |
| PPBJ10-1888 | Ø10 | 18 | M8 | M8 | 19 | 13 |

| ADITONAL CODES FOR SPECIAL PRODUCT |                       |     |
|------------------------------------|-----------------------|-----|
| Ball Stud                          | Form B DIN 71803      | B   |
|                                    | Form C DIN 71803      | C   |
| Thread                             | Left Hand             | LH  |
|                                    | Ball Socket Left Hand | LH1 |
|                                    | Ball Stud Left Hand   | LH2 |
| With Nut                           |                       | N   |

## PLASTIC BALL SOCKET



CROSS-SECTION A-A



CROSS-SECTION A-A

| Code       | d1    | a  | a1 | M  | h  | h1   |
|------------|-------|----|----|----|----|------|
| PPBS10-256 | Ø10,1 | 25 | 12 | M6 | 17 | 17,5 |
| PPBS10-257 | Ø10,1 | 25 | 12 | M7 | 17 | 17,5 |
| PPBS10-258 | Ø10,1 | 25 | 12 | M8 | 17 | 17,5 |

Body: PA66 GF30

Colour: Black

Threaded Material: Steel

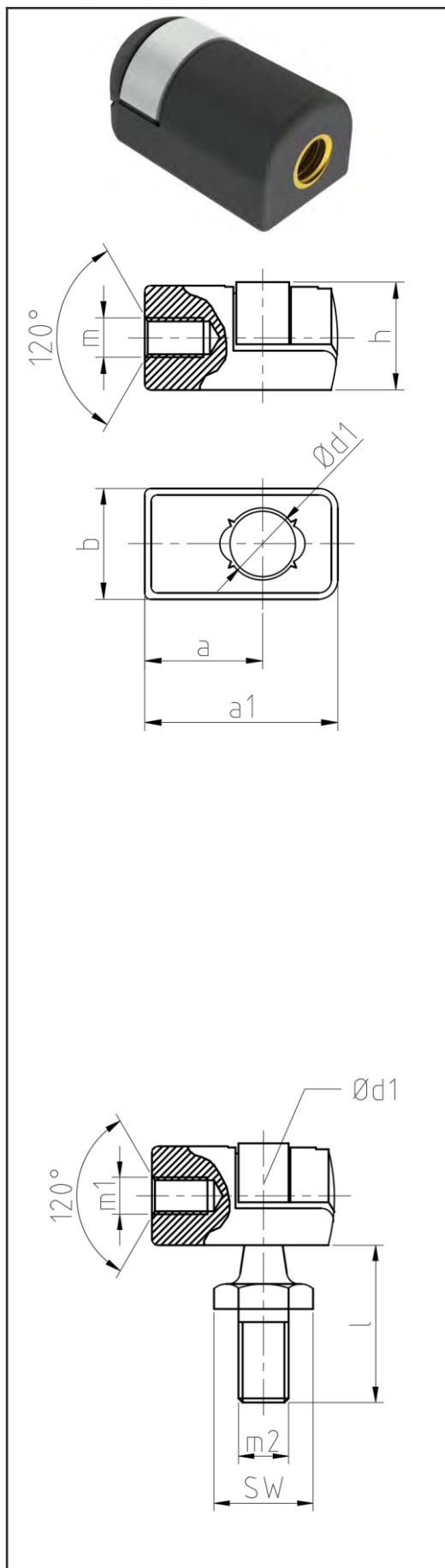
| Code      | d1    | a  | a1 | M  | h  | h1   |
|-----------|-------|----|----|----|----|------|
| PBS10-236 | Ø10,1 | 23 | 12 | M6 | 17 | 17,5 |
| PBS10-237 | Ø10,1 | 23 | 12 | M7 | 17 | 17,5 |
| PBS10-238 | Ø10,1 | 23 | 12 | M8 | 17 | 17,5 |

Body: PA66 GF30

Colour: Black

Threaded Material: Steel

## PLASTIC BALL JOINT



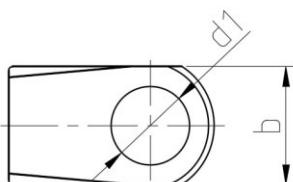
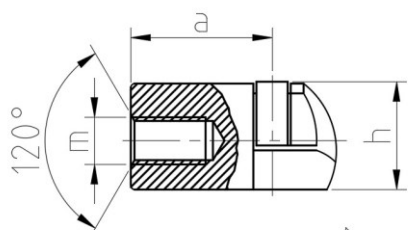
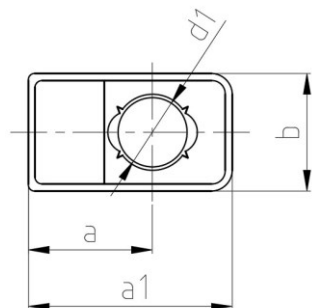
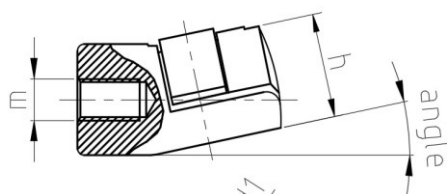
| Code      | d1  | d2  | a  | a1   | m  | h    | Thread  |
|-----------|-----|-----|----|------|----|------|---------|
| PBS10-186 | Ø10 | Ø12 | 18 | 26,5 | M6 | 13,3 | Plastic |
| PBS10-186 | Ø10 | Ø12 | 18 | 26,5 | M6 | 13,3 | Metal   |
| PBS10-188 | Ø10 | Ø12 | 18 | 26,5 | M8 | 13,3 | Plastic |
| PBS10-188 | Ø10 | Ø12 | 18 | 26,5 | M8 | 13,3 | Metal   |

Body: PA66 GF30  
 Clip: CK67 Zn/Black  
 Thread: Brass

| Code       | d1  | a  | m1 | m2 | l  | SW |
|------------|-----|----|----|----|----|----|
| PBJ10-1866 | Ø10 | 18 | M6 | M6 | 19 | 10 |
| PBJ10-1868 | Ø10 | 18 | M6 | M8 | 19 | 13 |
| PBJ10-1886 | Ø10 | 18 | M8 | M6 | 19 | 10 |
| PBJ10-1888 | Ø10 | 18 | M8 | M8 | 19 | 13 |

| ADITONAL CODES FOR SPECIAL PRODUCT |                       |     |
|------------------------------------|-----------------------|-----|
| Ball Stud                          | Form B DIN 71803      | B   |
|                                    | Form C DIN 71803      | C   |
| Thread                             | Left Hand             | LH  |
|                                    | Ball Socket Left Hand | LH1 |
|                                    | Ball Stud Left Hand   | LH2 |
| With Nut                           |                       | N   |

## ANGLED PLASTIC BALL SOCKET



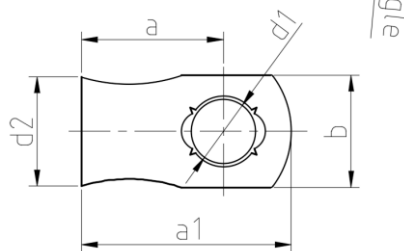
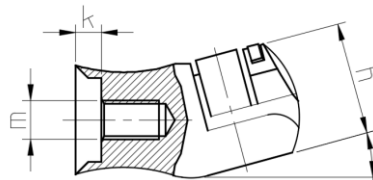
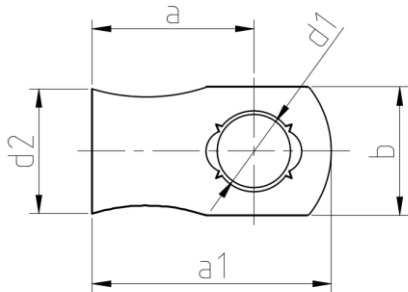
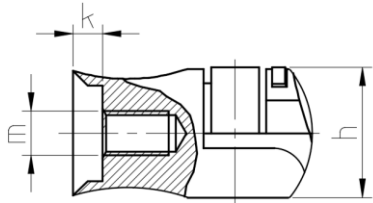
| Code           | d1  | a  | a1   | angle | m  | b  | h  |
|----------------|-----|----|------|-------|----|----|----|
| APBS10-186-10° | Ø10 | 18 | 29,5 | 10°   | M6 | 17 | 16 |
| APBS10-188-10° | Ø10 | 18 | 29,5 | 10°   | M8 | 17 | 16 |
| APBS10-186-16° | Ø10 | 18 | 29,5 | 16°   | M6 | 17 | 16 |
| APBS10-188-16° | Ø10 | 18 | 29,5 | 16°   | M8 | 17 | 16 |

Body: PA66 GF30  
Clip: CK67 Zn/Black  
Thread: Brass

| Code     | d1 | a  | m  | b  | h    |
|----------|----|----|----|----|------|
| PBS8-186 | Ø8 | 18 | M6 | 15 | 13,3 |

Body: PA66 GF30  
Clip: CK67 Zn/Black  
Thread: Brass

## PLASTIC BALL SOCKET



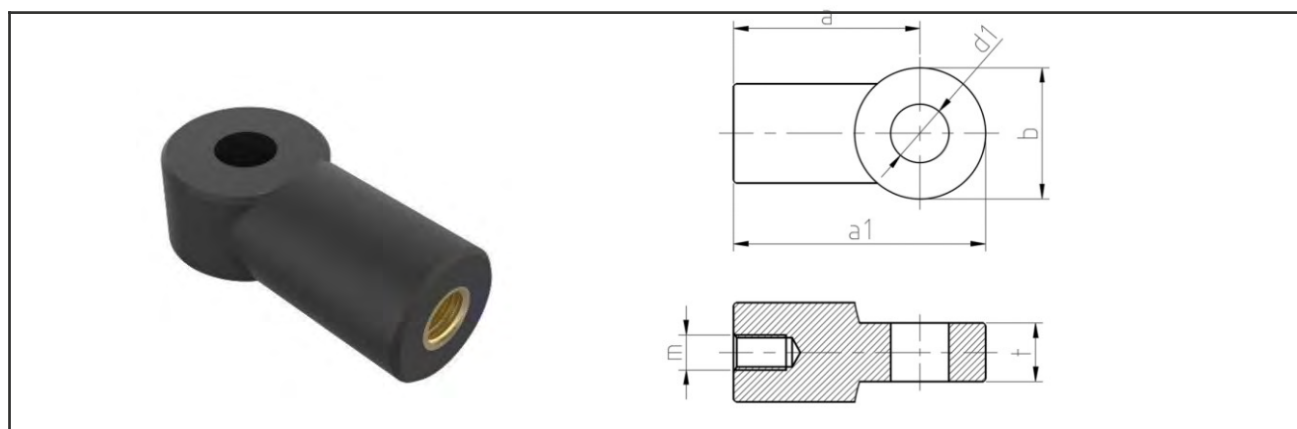
| Code       | d1  | d2  | a  | a1   | m  | k | h  | b    |
|------------|-----|-----|----|------|----|---|----|------|
| SPBS10-226 | Ø10 | Ø17 | 22 | 32,5 | M6 | 3 | 16 | 17,5 |
| SPBS10-228 | Ø10 | Ø17 | 22 | 32,5 | M8 | 3 | 16 | 17,5 |

Body: PA66 GF30  
Clip: CK67 Zn/Black  
Thread: Brass

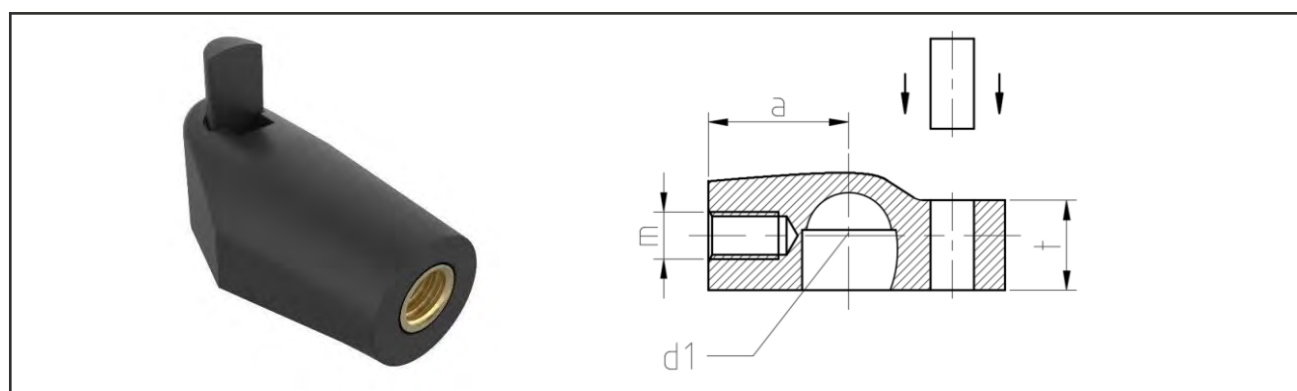
| Code           | d1  | d2  | a  | a1   | angle | m  | h  | b    |
|----------------|-----|-----|----|------|-------|----|----|------|
| SPBS10-226-10° | Ø10 | Ø17 | 22 | 32,5 | 10°   | M6 | 16 | 17,5 |
| SPBS10-238-16° | Ø10 | Ø17 | 23 | 33,5 | 16°   | M8 | 16 | 17,5 |

Body: PA66 GF30  
Clip: CK67 Zn/Black  
Thread: Brass

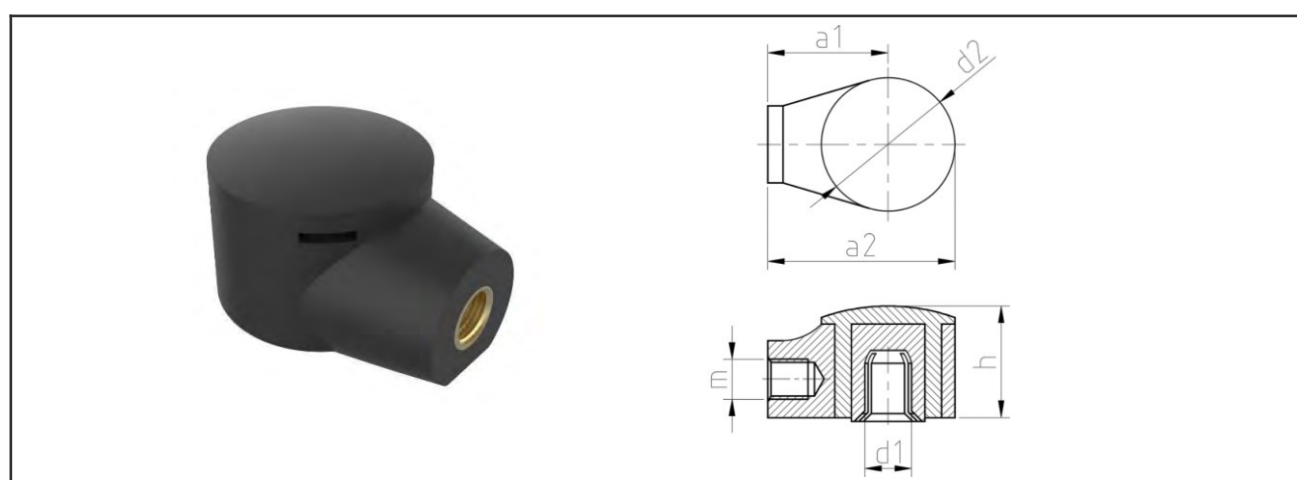
## PLASTIC FITTINGS



| Code  | d1 | a  | a1 | t  | m  | b  |
|-------|----|----|----|----|----|----|
| PF001 | Ø6 | 25 | 33 | 10 | M6 | 16 |

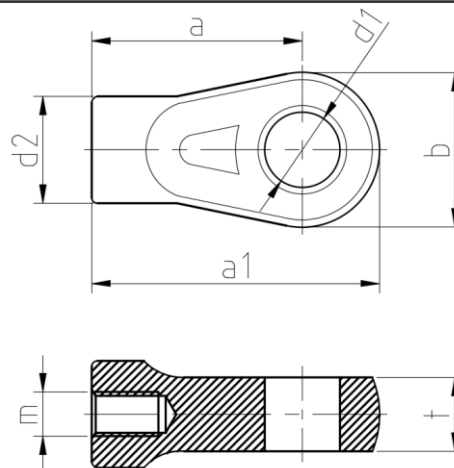


| Code  | d1  | a  | m  | t    |
|-------|-----|----|----|------|
| PF002 | Ø10 | 18 | M6 | 11,5 |



| Code   | d1  | d2    | a1 | a2 | m  | h    | Thread  |
|--------|-----|-------|----|----|----|------|---------|
| PF003  | Ø10 | Ø20,5 | 18 | 28 | M6 | 13,5 | Metal   |
| PF003P | Ø10 | Ø20,5 | 18 | 28 | M6 | 13,5 | Plastic |

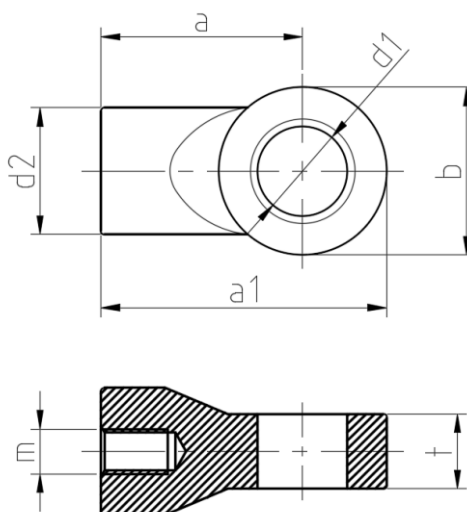
## PLASTIC FITTINGS



| Code  | d1    | d2   | a    | a1 | m  | t  |
|-------|-------|------|------|----|----|----|
| PF004 | Ø6,2  | 14,5 | 28,5 | 39 | M6 | 10 |
| PF005 | Ø8,2  | 14,5 | 28,5 | 39 | M6 | 10 |
| PF006 | Ø10,2 | 14,5 | 28,5 | 39 | M6 | 10 |

Body: PA66 GF30

Thread: Brass



| Code  | d1    | d2 | a  | a1 | m  | b    | t  |
|-------|-------|----|----|----|----|------|----|
| PF007 | Ø12,5 | 17 | 27 | 38 | M6 | 22,5 | 10 |

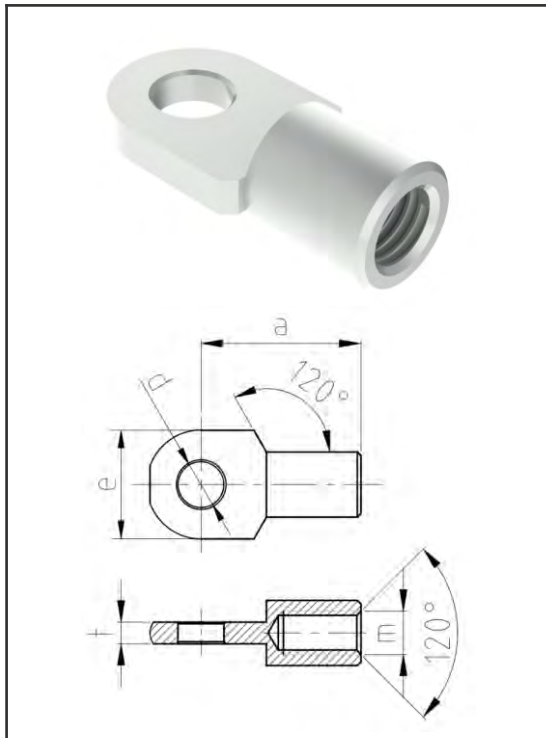
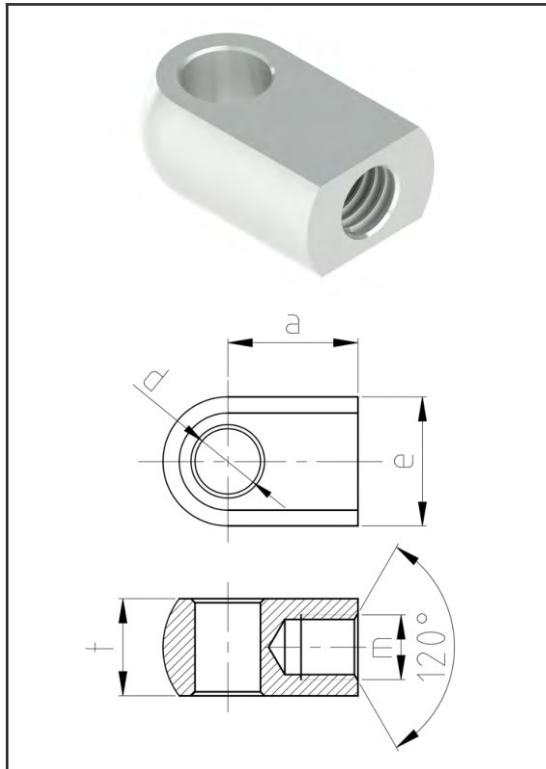
Body: PA66 GF30

Thread: Brass

# EYELET GROUP



## EYE FITTINGS



### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

| Code   | d     | m   | t  | a  | e  |
|--------|-------|-----|----|----|----|
| EYE001 | Ø6,1  | M8  | 10 | 16 | 16 |
| EYE002 | Ø6,1  | M8  | 10 | 18 | 16 |
| EYE003 | Ø8,1  | M8  | 12 | 16 | 16 |
| EYE004 | Ø8,1  | M8  | 10 | 16 | 16 |
| EYE005 | Ø8,1  | M8  | 10 | 17 | 16 |
| EYE006 | Ø8,1  | M6  | 10 | 19 | 16 |
| EYE007 | Ø8,1  | M10 | 12 | 20 | 16 |
| EYE008 | Ø8,1  | M8  | 10 | 20 | 16 |
| EYE009 | Ø10,1 | M6  | 10 | 19 | 16 |

| Code     | d     | m  | t  | a  | e  |
|----------|-------|----|----|----|----|
| EYE010   | Ø6,2  | M6 | 3  | 15 | 13 |
| EYE011   | Ø6,2  | M6 | 3  | 20 | 15 |
| EYE012   | Ø6,2  | M6 | 3  | 22 | 15 |
| EYE013   | Ø6,2  | M6 | 5  | 22 | 15 |
| EYE013-1 | Ø6,2  | M6 | 5  | 18 | 15 |
| EYE014   | Ø6,2  | M8 | 10 | 22 | 15 |
| EYE015   | Ø8,2  | M6 | 3  | 22 | 15 |
| EYE016   | Ø8,2  | M6 | 5  | 22 | 15 |
| EYE016-1 | Ø8,2  | M6 | 5  | 18 | 15 |
| EYE016-2 | Ø8,2  | M8 | 5  | 18 | 15 |
| EYE017   | Ø8,2  | M8 | 5  | 22 | 15 |
| EYE017-1 | Ø8,2  | M8 | 5  | 18 | 15 |
| EYE018   | Ø8,2  | M6 | 5  | 25 | 15 |
| EYE019   | Ø8,2  | M8 | 5  | 25 | 15 |
| EYE020   | Ø8,2  | M8 | 5  | 30 | 15 |
| EYE021   | Ø10,2 | M6 | 5  | 25 | 15 |
| EYE022   | Ø10,2 | M8 | 5  | 25 | 15 |
| EYE023   | Ø10,2 | M8 | 5  | 30 | 15 |

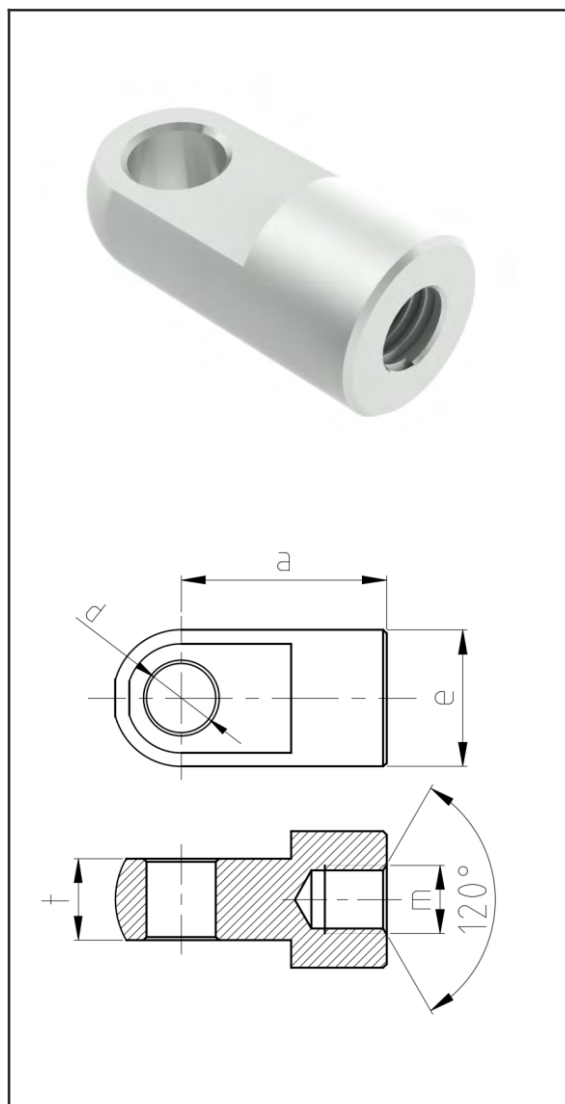
Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

## EYE FITTINGS



Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

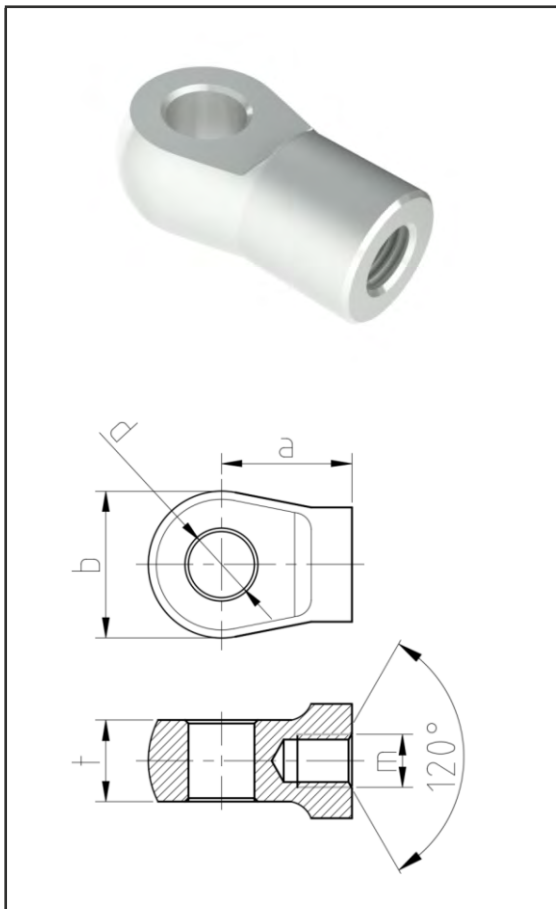
Tolerance: DIN/ISO 2768

| Code     | d     | m   | t  | a  | e  |
|----------|-------|-----|----|----|----|
| EYE024   | Ø6,1  | M5  | 6  | 16 | 10 |
| EYE024-1 | Ø6,1  | M6  | 6  | 16 | 10 |
| EYE025   | Ø6,1  | M6  | 3  | 20 | 10 |
| EYE026   | Ø8,1  | M8  | 5  | 22 | 15 |
| EYE027   | Ø8,1  | M8  | 10 | 22 | 15 |
| EYE028   | Ø8,1  | M6  | 5  | 22 | 15 |
| EYE029   | Ø8,1  | M8  | 3  | 25 | 15 |
| EYE030   | Ø8,1  | M8  | 5  | 25 | 15 |
| EYE031   | Ø8,1  | M8  | 8  | 25 | 15 |
| EYE032   | Ø8,1  | M10 | 10 | 30 | 18 |
| EYE033   | Ø8,1  | M8  | 10 | 35 | 20 |
| EYE034   | Ø8,1  | M10 | 10 | 35 | 18 |
| EYE035   | Ø10,1 | M8  | 10 | 25 | 18 |
| EYE036   | Ø10,1 | M10 | 10 | 35 | 20 |
| EYE037   | Ø10,1 | M8  | 10 | 35 | 20 |
| EYE038   | Ø8,1  | M6  | 5  | 18 | 15 |
| EYE039   | Ø8,1  | M6  | 5  | 20 | 15 |
| EYE040   | Ø8,1  | M6  | 5  | 25 | 15 |
| EYE041   | Ø8,1  | M6  | 5  | 30 | 15 |
| EYE042   | Ø8,1  | M8  | 10 | 18 | 18 |
| EYE043   | Ø8,1  | M8  | 10 | 20 | 18 |
| EYE044   | Ø8,1  | M8  | 10 | 22 | 18 |
| EYE045   | Ø8,1  | M8  | 10 | 25 | 18 |
| EYE046   | Ø8,1  | M8  | 10 | 30 | 18 |
| EYE046-1 | Ø12,1 | M8  | 10 | 30 | 18 |
| EYE047   | Ø10,1 | M10 | 12 | 22 | 20 |
| EYE048   | Ø10,1 | M10 | 12 | 30 | 20 |
| EYE049   | Ø10,1 | M10 | 12 | 35 | 20 |
| EYE049-1 | Ø12,1 | M10 | 12 | 35 | 20 |

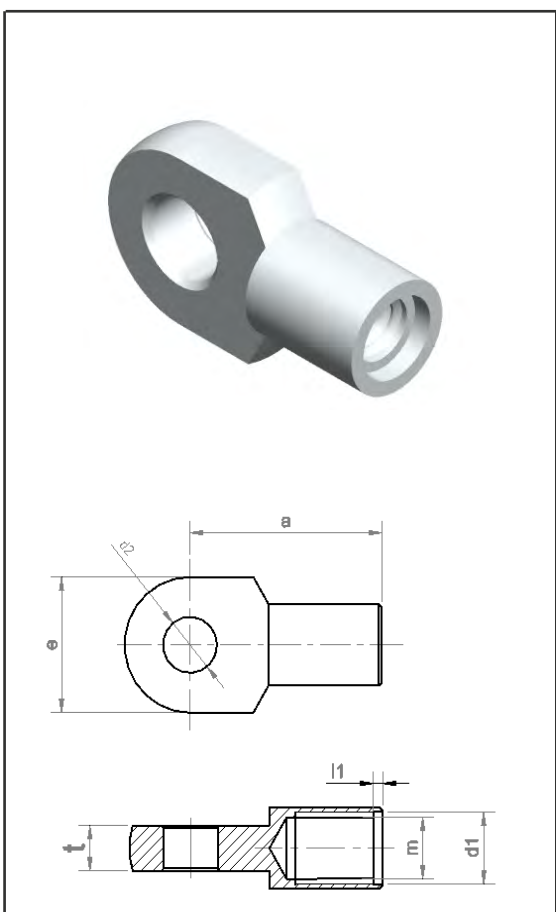
### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

## EYE FITTINGS



| Code   | d    | m  | t  | a  | e  |
|--------|------|----|----|----|----|
| EYE050 | Ø6,1 | M8 | 10 | 18 | 18 |
| EYE051 | Ø8,1 | M8 | 10 | 18 | 18 |
| EYE052 | Ø6,1 | M6 | 10 | 18 | 18 |
| EYE053 | Ø8,1 | M6 | 10 | 18 | 18 |
| EYE054 | Ø6,1 | M8 | 12 | 18 | 18 |
| EYE055 | Ø8,1 | M8 | 12 | 18 | 18 |



| Code   | d2   | m  | t | a  | e  | d1   | l1  |
|--------|------|----|---|----|----|------|-----|
| EYE056 | Ø6,5 | M6 | 5 | 19 | 15 | Ø6,6 | 1,5 |

Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

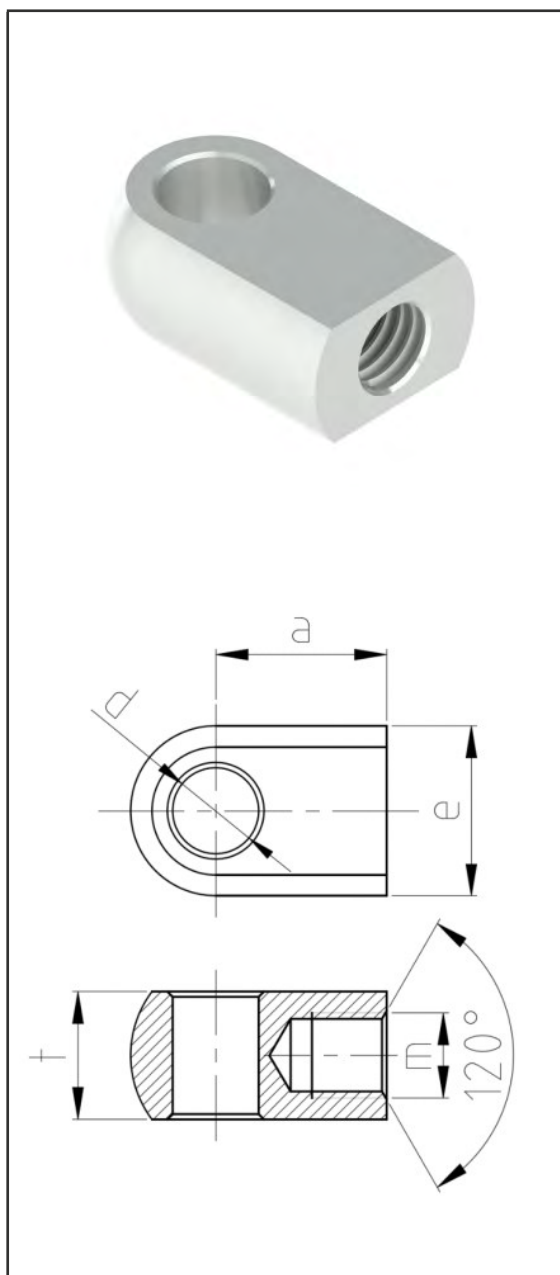
Thread: Right Hand

Tolerance: DIN/ISO 2768

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

## EYE FITTINGS



| Code     | d     | m   | t  | a  | e  |
|----------|-------|-----|----|----|----|
| EYE057   | Ø10,2 | M10 | 12 | 16 | 20 |
| EYE057-1 | Ø8,2  | M10 | 12 | 16 | 20 |

Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

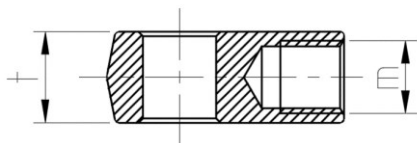
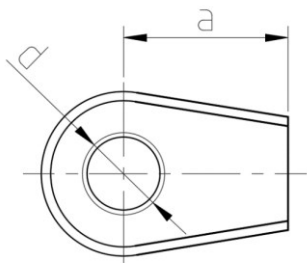
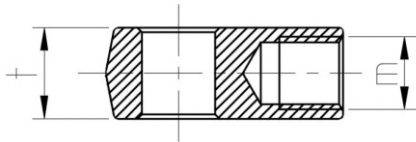
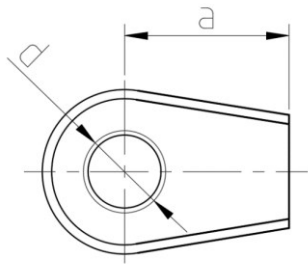
### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

# ZAMAC GROUP



## ZAMAC EYE FITTINGS



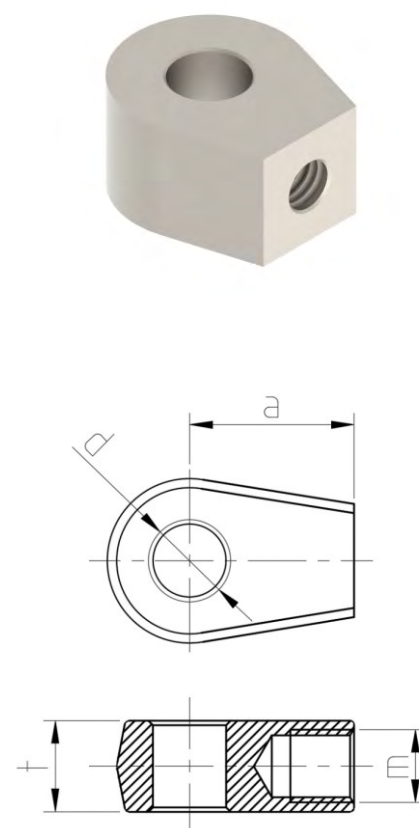
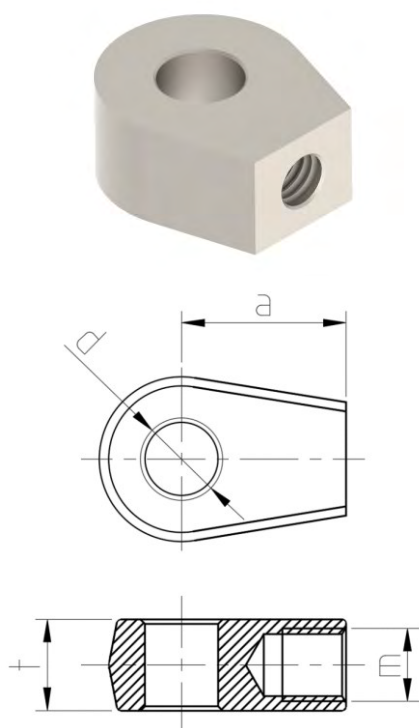
| Code    | d    | m  | t | a  |
|---------|------|----|---|----|
| ZEYE001 | Ø6,1 | M6 | 8 | 16 |
| ZEYE002 | Ø8,1 | M6 | 8 | 18 |

Material: Zamac 5 Alloy

| Code      | d     | m  | t  | a  |
|-----------|-------|----|----|----|
| ZEYE003   | Ø6,1  | M6 | 10 | 18 |
| ZEYE004   | Ø8,1  | M6 | 10 | 18 |
| ZEYE004-1 | Ø8,1  | M6 | 10 | 16 |
| ZEYE005   | Ø10,1 | M6 | 10 | 18 |
| ZEYE006   | Ø6,1  | M8 | 10 | 18 |
| ZEYE007   | Ø8,1  | M8 | 10 | 18 |
| ZEYE008   | Ø10,1 | M8 | 10 | 18 |

Material: Zamac 5 Alloy

## ZAMAC EYE FITTINGS



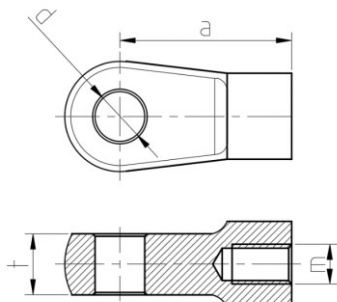
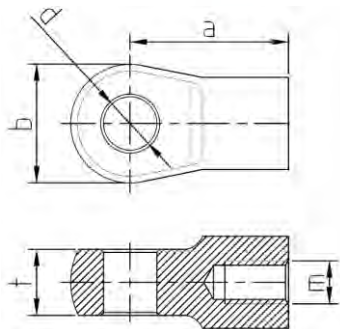
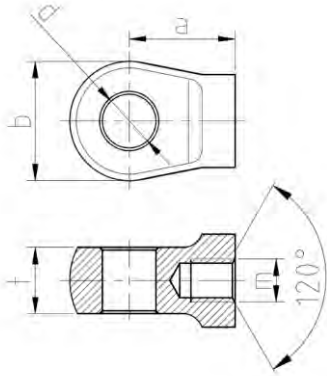
| Code      | d    | m  | t  | a  |
|-----------|------|----|----|----|
| ZEYE009   | Ø6,1 | M6 | 10 | 13 |
| ZEYE009-1 | Ø6,3 | M5 | 6  | 13 |
| ZEYE010   | Ø8,1 | M6 | 10 | 13 |

Material: Zamac 5 Alloy

| Code    | d     | m   | t  | a  |
|---------|-------|-----|----|----|
| ZEYE011 | Ø8,1  | M6  | 12 | 16 |
| ZEYE012 | Ø10,1 | M6  | 12 | 16 |
| ZEYE013 | Ø8,1  | M8  | 12 | 16 |
| ZEYE014 | Ø10,1 | M8  | 12 | 16 |
| ZEYE015 | Ø8,1  | M10 | 12 | 16 |
| ZEYE016 | Ø10,1 | M10 | 12 | 16 |

Material: Zamac 5 Alloy

## ZAMAC EYE FITTINGS



| Code    | d     | m  | t | a  |
|---------|-------|----|---|----|
| ZEYE017 | Ø6,1  | M6 | 8 | 20 |
| ZEYE018 | Ø8,1  | M6 | 8 | 20 |
| ZEYE019 | Ø10,1 | M6 | 8 | 20 |

Material: Zamac 5 Alloy

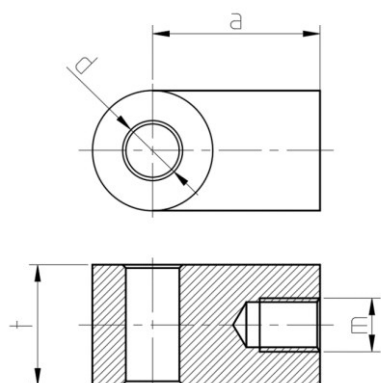
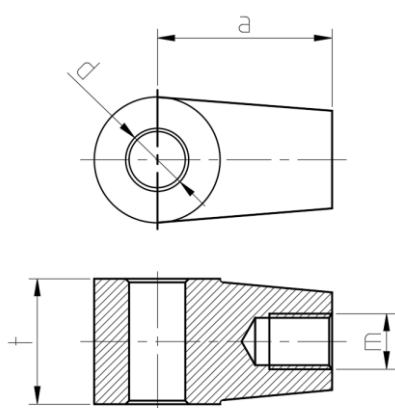
| Code    | d     | m  | t | a  |
|---------|-------|----|---|----|
| ZEYE020 | Ø6,1  | M6 | 8 | 25 |
| ZEYE021 | Ø8,1  | M6 | 8 | 25 |
| ZEYE022 | Ø10,1 | M6 | 8 | 25 |
| ZEYE023 | Ø6,1  | M8 | 8 | 25 |
| ZEYE024 | Ø8,1  | M8 | 8 | 25 |
| ZEYE025 | Ø10,1 | M8 | 8 | 25 |

Material: Zamac 5 Alloy

| Code    | d    | m  | t  | a  |
|---------|------|----|----|----|
| ZEYE026 | Ø6,1 | M6 | 10 | 25 |
| ZEYE027 | Ø8,1 | M6 | 10 | 25 |
| ZEYE028 | Ø6,1 | M8 | 10 | 25 |
| ZEYE029 | Ø8,1 | M8 | 10 | 25 |

Material: Zamac5 Alloy

## ZAMAC EYE FITTINGS



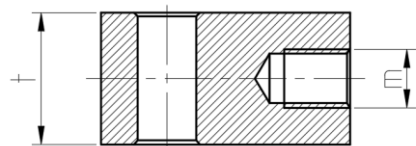
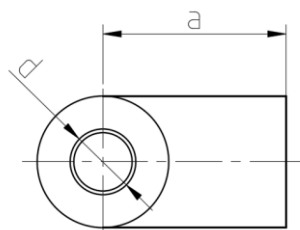
| Code    | d     | m  | t  | a  |
|---------|-------|----|----|----|
| ZEYE030 | Ø8,1  | M8 | 18 | 25 |
| ZEYE031 | Ø8,5  | M8 | 18 | 25 |
| ZEYE032 | Ø10,1 | M8 | 18 | 25 |

Material: Zamac 5 Alloy

| Code    | d     | m   | t  | a  |
|---------|-------|-----|----|----|
| ZEYE033 | Ø8,1  | M8  | 18 | 25 |
| ZEYE034 | Ø10,1 | M8  | 18 | 25 |
| ZEYE035 | Ø8,1  | M10 | 18 | 25 |
| ZEYE036 | Ø10,1 | M10 | 18 | 25 |

Material: Zamac 5 Alloy

## ZAMAC EYE FITTINGS



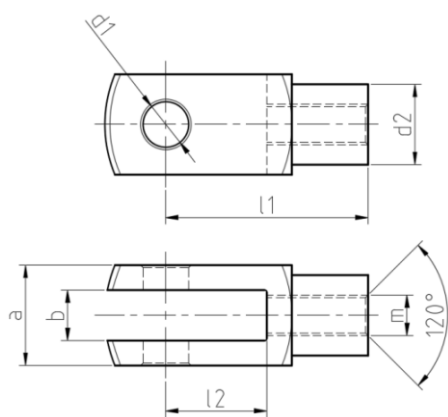
| Code    | d    | m  | t  | a  |
|---------|------|----|----|----|
| ZEYE037 | Ø6,1 | M6 | 14 | 22 |
| ZEYE038 | Ø6,1 | M8 | 14 | 22 |
| ZEYE039 | Ø8,1 | M6 | 14 | 22 |
| ZEYE040 | Ø8,1 | M8 | 14 | 22 |

Material: Zamac 5 Alloy

# CLEVIS GROUP



## CLEVIS FITTINGS DIN71752



Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

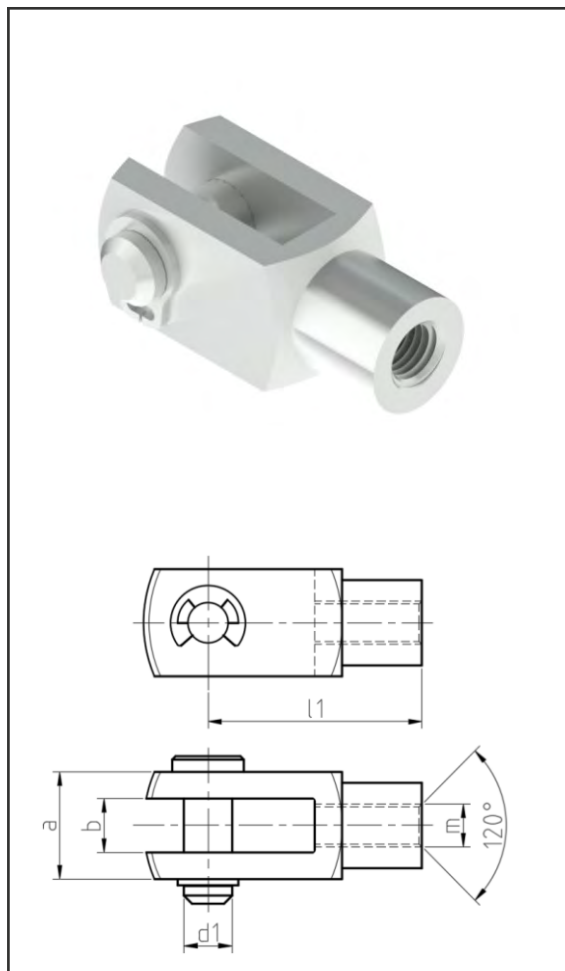
Standart Products are produced to DIN 71752 specs.

| Code | Size  | m       | d1  | a  | b  | l1  | l2 |
|------|-------|---------|-----|----|----|-----|----|
| CF1  | 4x8   | M4      | Ø4  | 8  | 4  | 16  | 8  |
| CF2  | 4x16  | M4      | Ø4  | 8  | 4  | 24  | 16 |
| CF3  | 5x10  | M5      | Ø5  | 10 | 5  | 20  | 10 |
| CF4  | 5x20  | M5      | Ø5  | 10 | 5  | 30  | 20 |
| CF5  | 6x12  | M6      | Ø6  | 12 | 6  | 24  | 12 |
| CF6  | 6x24  | M6      | Ø6  | 12 | 6  | 36  | 24 |
| CF7  | 8x16  | M8      | Ø8  | 16 | 8  | 32  | 16 |
| CF8  | 8x32  | M8      | Ø8  | 16 | 8  | 48  | 32 |
| CF9  | 10x20 | M10     | Ø10 | 20 | 10 | 40  | 20 |
| CF10 | 10x40 | M10     | Ø10 | 20 | 10 | 60  | 40 |
| CF11 | 12x24 | M12     | Ø12 | 24 | 12 | 48  | 24 |
| CF12 | 12x48 | M12     | Ø12 | 24 | 12 | 72  | 48 |
| CF13 | 14x28 | M14     | Ø14 | 28 | 14 | 56  | 28 |
| CF14 | 14x56 | M14     | Ø14 | 28 | 14 | 85  | 56 |
| CF15 | 16x32 | M16     | Ø16 | 32 | 16 | 64  | 32 |
| CF16 | 16x64 | M16     | Ø16 | 32 | 16 | 96  | 64 |
| CF17 | 20x40 | M20x2,5 | Ø20 | 40 | 20 | 80  | 40 |
| CF18 | 25x50 | M24x3,0 | Ø25 | 50 | 25 | 100 | 50 |
| CF19 | 28x56 | M27x3,0 | Ø28 | 55 | 28 | 112 | 56 |
| CF20 | 30x30 | M30x3,5 | Ø30 | 60 | 30 | 120 | 30 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                              |      |
|----------|------------------------------|------|
| Material | AISI303                      | SS3  |
|          | AISI304                      | SS4  |
|          | AISI316                      | SS16 |
| Plating  | ZincPlated/YellowPassivation | ZnY  |
|          | ZincPlated/BlackPassivation  | ZnB  |
| Thread   | LeftHand                     | LH   |

## CLEVIS FITTINGS DIN71752 WITH BOLT-GROOVE



Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

| Code  | Size  | m       | d1  | a  | b  | l1 |
|-------|-------|---------|-----|----|----|----|
| CFA1  | 4x8   | M4      | Ø4  | 8  | 4  | 16 |
| CFA2  | 4x16  | M4      | Ø4  | 8  | 4  | 24 |
| CFA3  | 5x10  | M5      | Ø5  | 10 | 5  | 20 |
| CFA4  | 5x20  | M5      | Ø5  | 10 | 5  | 30 |
| CFA5  | 6x12  | M6      | Ø6  | 12 | 6  | 24 |
| CFA6  | 6x24  | M6      | Ø6  | 12 | 6  | 36 |
| CFA7  | 8x16  | M8      | Ø8  | 16 | 8  | 32 |
| CFA8  | 8x32  | M8      | Ø8  | 16 | 8  | 48 |
| CFA9  | 10x20 | M10     | Ø10 | 20 | 10 | 40 |
| CFA10 | 10x40 | M10     | Ø10 | 20 | 10 | 60 |
| CFA11 | 12x24 | M12     | Ø12 | 24 | 12 | 48 |
| CFA12 | 12x48 | M12     | Ø12 | 24 | 12 | 72 |
| CFA13 | 14x28 | M14     | Ø14 | 27 | 14 | 56 |
| CFA14 | 14x56 | M14     | Ø14 | 27 | 14 | 85 |
| CFA15 | 16x32 | M16     | Ø16 | 32 | 16 | 64 |
| CFA16 | 16x64 | M16     | Ø16 | 32 | 16 | 96 |
| CFA17 | 20x40 | M20x2,5 | Ø20 | 40 | 20 | 80 |

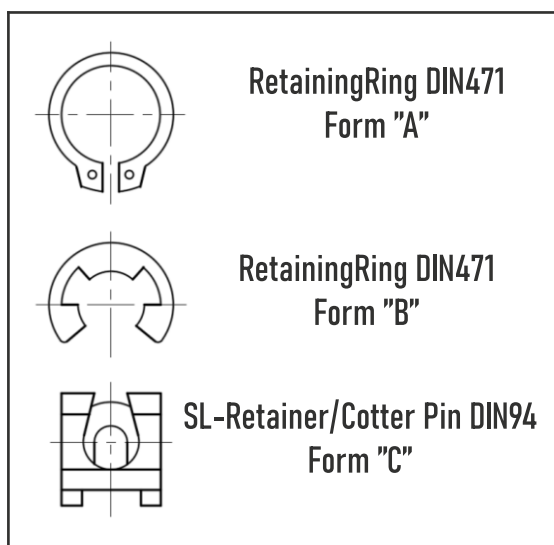
### ADITIONAL CODES FOR SPECIAL PRODUCT

|             |                                 |      |
|-------------|---------------------------------|------|
| Clevis Clip | DIN1434                         | A    |
| Material    | AISI 303                        | SS3  |
|             | AISI 304                        | SS4  |
|             | AISI 316                        | SS16 |
| Plating     | Zinc Plated/ Yellow Passivation | ZnY  |
|             | Zinc Plated/ Black Passivation  | ZnB  |
| Thread      | Left Hand                       | LH   |

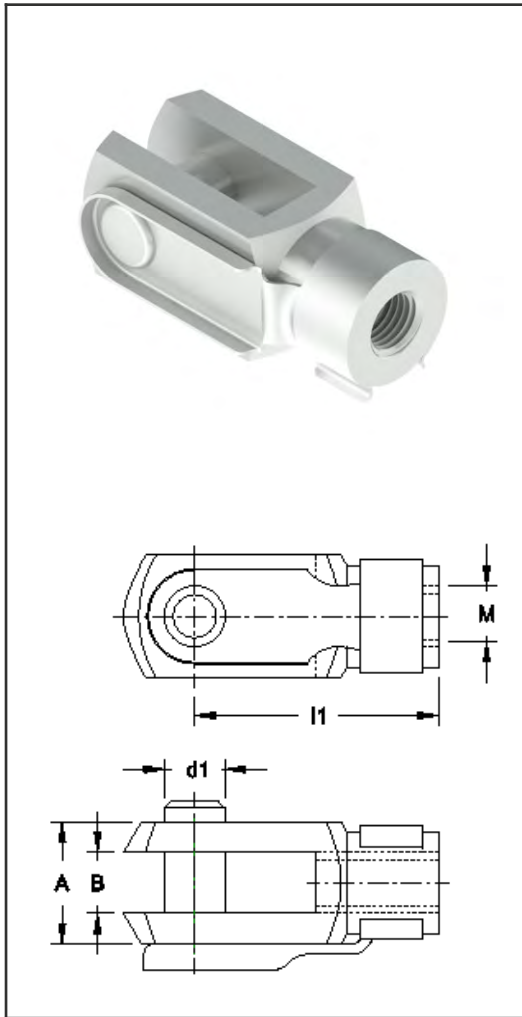
Standart Products are produced to DIN 71752 specs.

### SPECIAL PRODUCT CODE EXAMPLE

| CFA1-LH-ZnB |                   |                  |                                |
|-------------|-------------------|------------------|--------------------------------|
| Clevis      | Clevis Pin Form A | Clevis Left Hand | Zinc Plated /Black Passivation |



## CLEVIS FITTINGS DIN71752 WITH FOLDING SPRING BOLT



Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Thread: Right Hand

Tolerance: DIN/ISO 2768

| Code  | Size  | m   | d1  | a  | b  | l1 |
|-------|-------|-----|-----|----|----|----|
| CFE1  | 4x8   | M4  | Ø4  | 8  | 4  | 16 |
| CFE2  | 4x16  | M4  | Ø4  | 8  | 4  | 24 |
| CFE3  | 5x10  | M5  | Ø5  | 10 | 5  | 20 |
| CFE4  | 5x20  | M5  | Ø5  | 10 | 5  | 30 |
| CFE5  | 6x12  | M6  | Ø6  | 12 | 6  | 24 |
| CFE6  | 6x24  | M6  | Ø6  | 12 | 6  | 36 |
| CFE7  | 8x16  | M8  | Ø8  | 16 | 8  | 32 |
| CFE8  | 8x32  | M8  | Ø8  | 16 | 8  | 48 |
| CFE9  | 10x20 | M10 | Ø10 | 20 | 10 | 40 |
| CFE10 | 10x40 | M10 | Ø10 | 20 | 10 | 60 |
| CFE11 | 12x24 | M12 | Ø12 | 24 | 12 | 48 |
| CFE12 | 12x48 | M12 | Ø12 | 24 | 12 | 72 |
| CFE13 | 14x28 | M14 | Ø14 | 27 | 14 | 56 |

### ADITIONAL CODES FOR SPECIAL PRODUCT

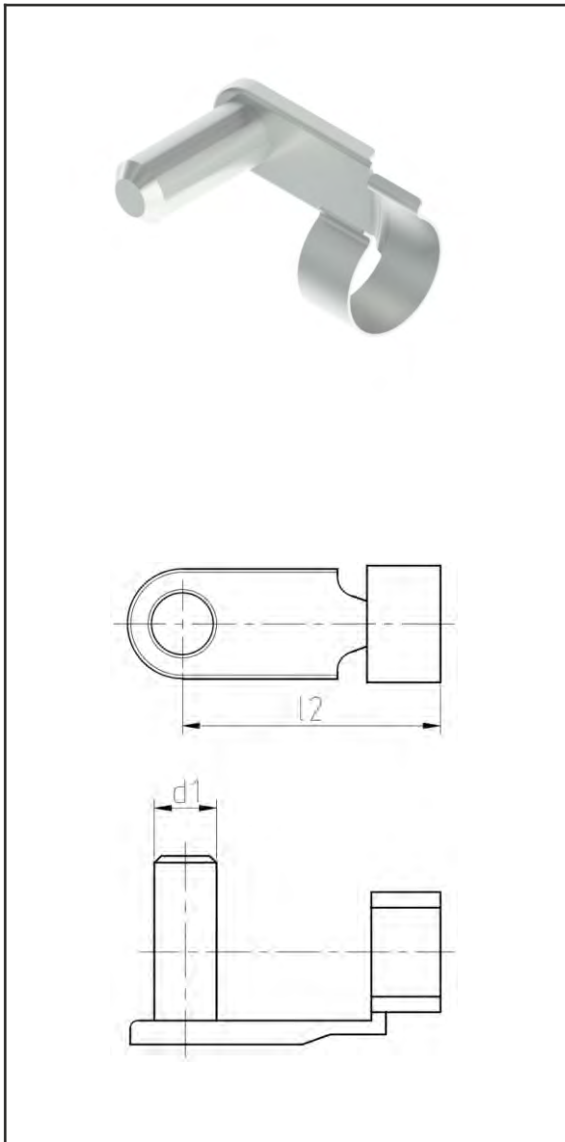
|             |                                 |      |
|-------------|---------------------------------|------|
| Clevis Clip | DIN 71752                       | E    |
| Material    | AISI 303                        | SS3  |
|             | AISI 304                        | SS4  |
|             | AISI 316                        | SS16 |
| Plating     | Zinc Plated/ Yellow Passivation | ZnY  |
|             | Zinc Plated/ Black Passivation  | ZnB  |
| Thread      | Left Hand                       | LH   |

Standart Products are produced to DIN 71752 specs.

### SPECIAL PRODUCT CODE EXAMPLE

| CFE1-LH1-ZnB |             |                  |                                |
|--------------|-------------|------------------|--------------------------------|
| Clevis       | Clevis Clip | Clevis Left Hand | Zinc Plated /Black Passivation |

## CLEVIS FOLDING SPRING BOLT



| Code  | Size  | d1  | l2 |
|-------|-------|-----|----|
| ES001 | 4X8   | Ø4  | 15 |
| ES002 | 4X16  | Ø4  | 22 |
| ES003 | 5X10  | Ø5  | 19 |
| ES004 | 5X20  | Ø5  | 29 |
| ES005 | 6X12  | Ø6  | 23 |
| ES006 | 6X24  | Ø6  | 35 |
| ES007 | 8X16  | Ø8  | 31 |
| ES008 | 8X32  | Ø8  | 47 |
| ES009 | 10X20 | Ø10 | 39 |
| ES010 | 10X40 | Ø10 | 59 |
| ES011 | 12X24 | Ø12 | 47 |
| ES012 | 12X48 | Ø12 | 69 |
| ES013 | 14X28 | Ø14 | 52 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

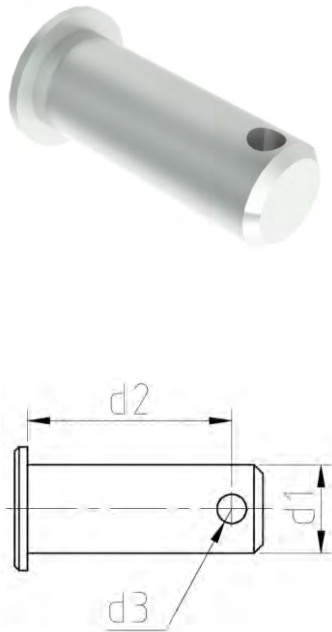
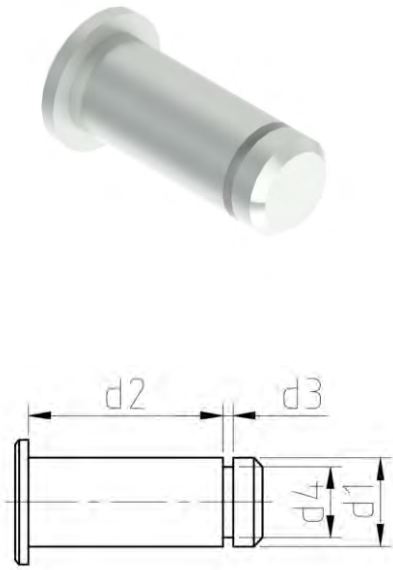
Material: 11SMnPb30

Plating: Zinc Plated/ Blue Passivation

Tolerance: DIN/ISO 2768

Standart Products are produced to DIN 71752 specs.

## CLEVIS PIN DIN1434 A-B



Material: 11SMnPb30  
Plating: Zinc Plated/ Blue Passivation  
Tolerance: DIN/ISO 2768

Standart Products are produced to DIN 1434 specs.

| Code  | For Clevis | d1 | d2 | d3   | d4   |
|-------|------------|----|----|------|------|
| CPA1  | CF1-CF2    | 4  | 8  | 0,65 | 3,2  |
| CPA2  | CF3-CF4    | 5  | 10 | 0,75 | 4    |
| CPA3  | CF5-CF6    | 6  | 12 | 0,75 | 5    |
| CPA4  | CF7-CF8    | 8  | 16 | 0,95 | 6    |
| CPA5  | CF9-CF10   | 10 | 20 | 1,15 | 8    |
| CPA6  | CF11-CF12  | 12 | 24 | 1,15 | 9    |
| CPA7  | CF13-CF14  | 14 | 27 | 1,30 | 11   |
| CPA8  | CF15-CF16  | 16 | 32 | 1,15 | 12   |
| CPA9  | CF17       | 20 | 40 | 1,50 | 17,5 |
| CPA10 | CF18       | 25 | 50 | 1,50 | 22   |
| CPA11 | CF19       | 28 | 55 | 2,0  | 24   |
| CPA12 | Cf20       | 30 | 60 | 2,0  | 25   |

| Code  | For Clevis | d1 | d2   | D3  |
|-------|------------|----|------|-----|
| CPB1  | CF1-CF2    | 4  | 9,2  | 1,0 |
| CPB2  | CF3-CF4    | 5  | 12,0 | 1,6 |
| CPB3  | CF5-CF6    | 6  | 14,5 | 1,6 |
| CPB4  | CF7-CF8    | 8  | 18,7 | 2   |
| CPB5  | CF9-CF10   | 10 | 23,2 | 3,2 |
| CPB6  | CF11-CF12  | 12 | 28,2 | 4,0 |
| CPB7  | CF13-CF14  | 14 | 31,2 | 4,0 |
| CPB8  | CF15-CF16  | 16 | 36,2 | 4,0 |
| CPB9  | CF17       | 20 | 47,0 | 4,0 |
| CPB10 | CF18       | 25 | 59,0 | 6,3 |
| CPB11 | CF19       | 28 | 63,5 | 6,3 |
| CPB12 | Cf20       | 30 | 67,0 | 6,3 |

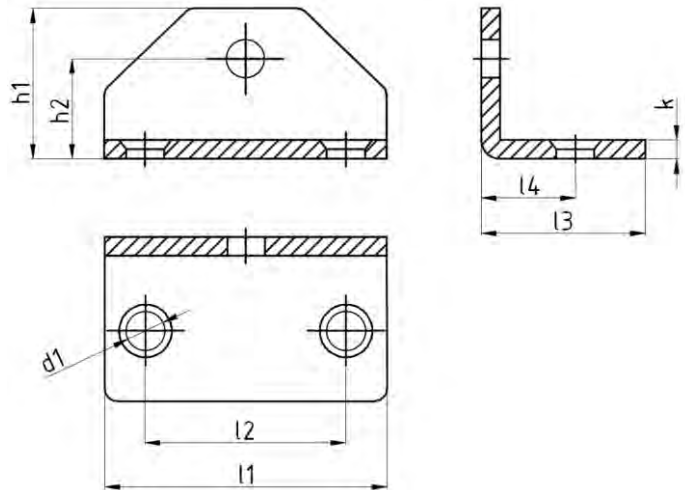
### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                  |      |
|----------|----------------------------------|------|
| Material | AISI 303                         | SS3  |
|          | AISI 304                         | SS4  |
|          | AISI 316                         | SS16 |
| Plating  | Zinc Plated / Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation   | ZnB  |

# BRACKET GROUP

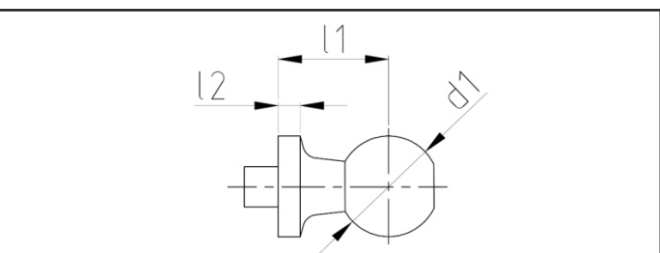
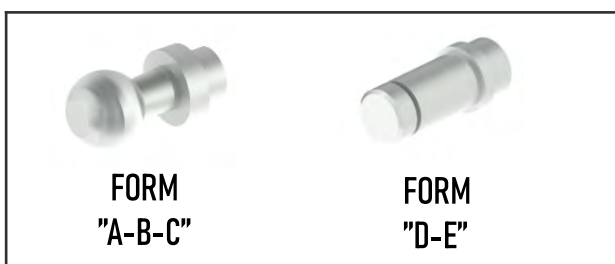


## BRACKET

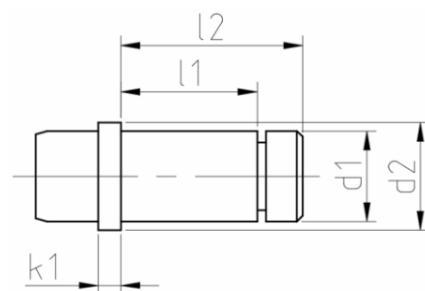


| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK101R | FORM "A" | RIGHT-INSIDE  |
| BRK101L | FORM "A" | LEFT-OUTSIDE  |
| BRK102R | FORM "B" | RIGHT-INSIDE  |
| BRK102L | FORM "B" | LEFT-OUTSIDE  |
| BRK103R | FORM "C" | RIGHT-INSIDE  |
| BRK103L | FORM "C" | LEFT-OUTSIDE  |
| BRK104R | FORM "D" | RIGHT-INSIDE  |
| BRK104L | FORM "D" | LEFT-OUTSIDE  |
| BRK105R | FORM "E" | RIGHT-INSIDE  |
| BRK105L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3   | l4 | h1 | h2 | d1  | k |
|----|----|------|----|----|----|-----|---|
| 45 | 32 | 26,2 | 15 | 24 | 16 | 6,2 | 3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

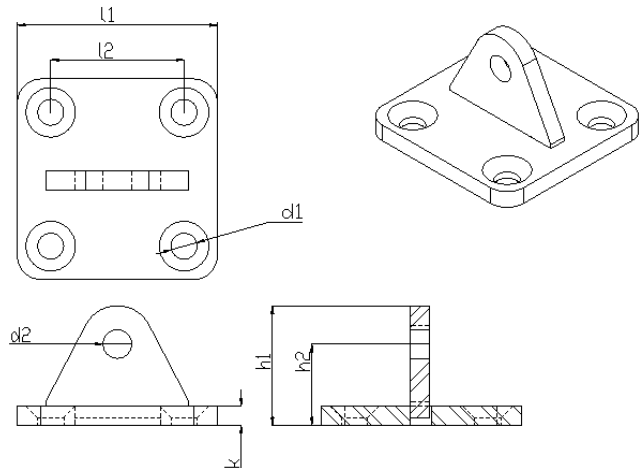


| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

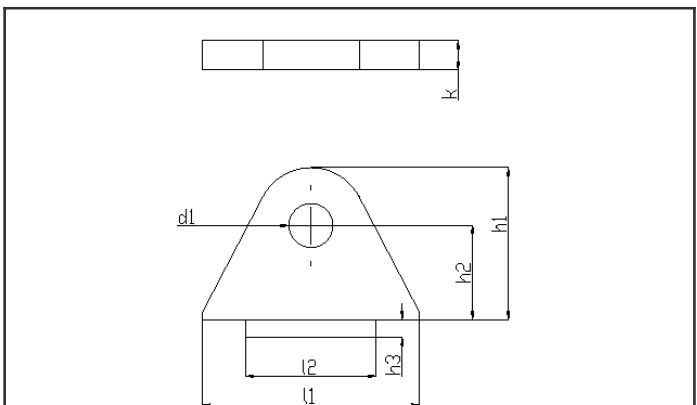
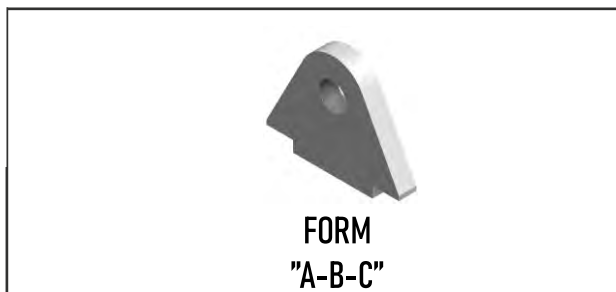
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK106 | FORM "A" |
| BRK107 | FORM "B" |
| BRK108 | FORM "C" |

| l1 | l2 | h1 | h2 | d1  | d2  | K |
|----|----|----|----|-----|-----|---|
| 42 | 28 | 25 | 17 | 5,5 | 6,1 | 4 |

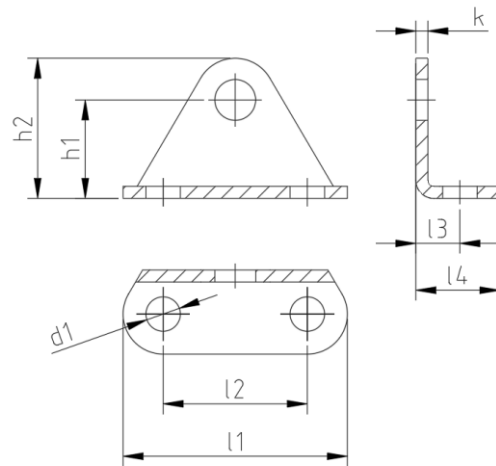
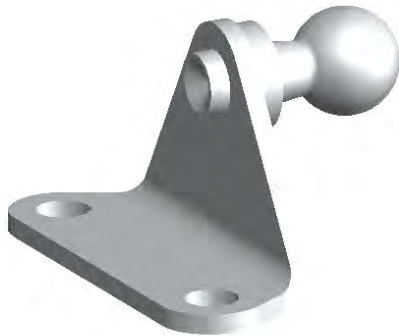


| Code     | l1 | l2 | h1 | h2 | h3  | k | d1    |
|----------|----|----|----|----|-----|---|-------|
| FORM "A" | 30 | 18 | 21 | 13 | 2,5 | 4 | Ø6,1  |
| FORM "B" | 30 | 18 | 21 | 13 | 2,5 | 4 | Ø8,1  |
| FORM "C" | 30 | 18 | 26 | 16 | 2,5 | 4 | Ø10,1 |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



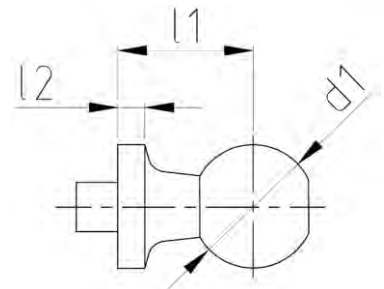
| Code    | Bolt     | Mounting Side | l1 | l2 | l3 | l4 | h1   | h2 | d1 | k   |
|---------|----------|---------------|----|----|----|----|------|----|----|-----|
| BRK124R | FORM "A" | RIGHT-INSIDE  | 32 | 24 | 8  | 12 | 13,5 | 18 | 4  | 1,5 |
| BRK124L | FORM "A" | LEFT-OUTSIDE  |    |    |    |    |      |    |    |     |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



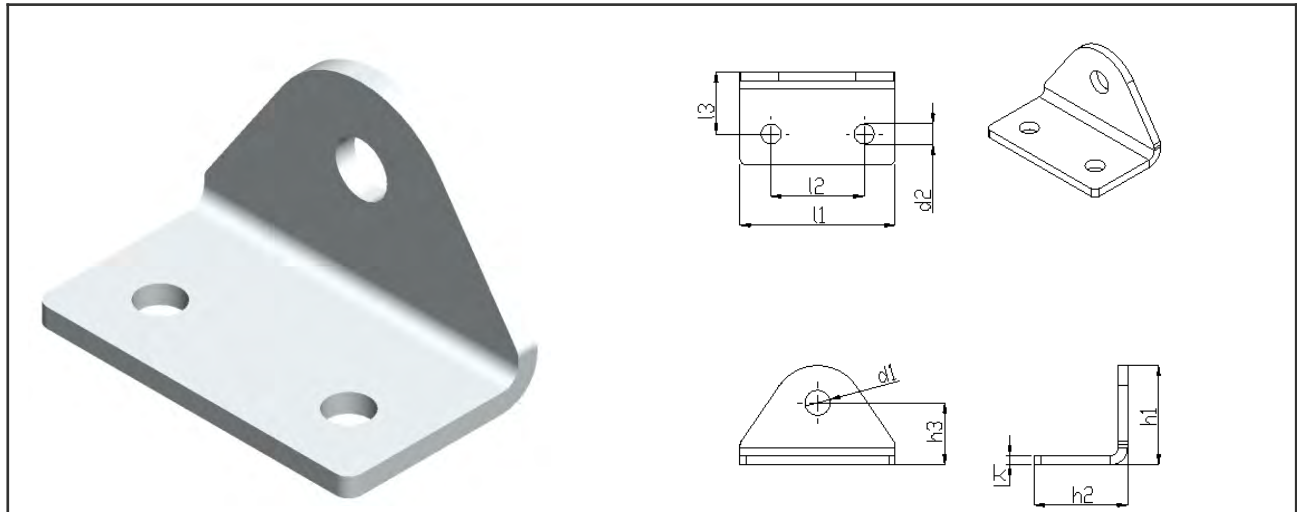
FORM  
"A"



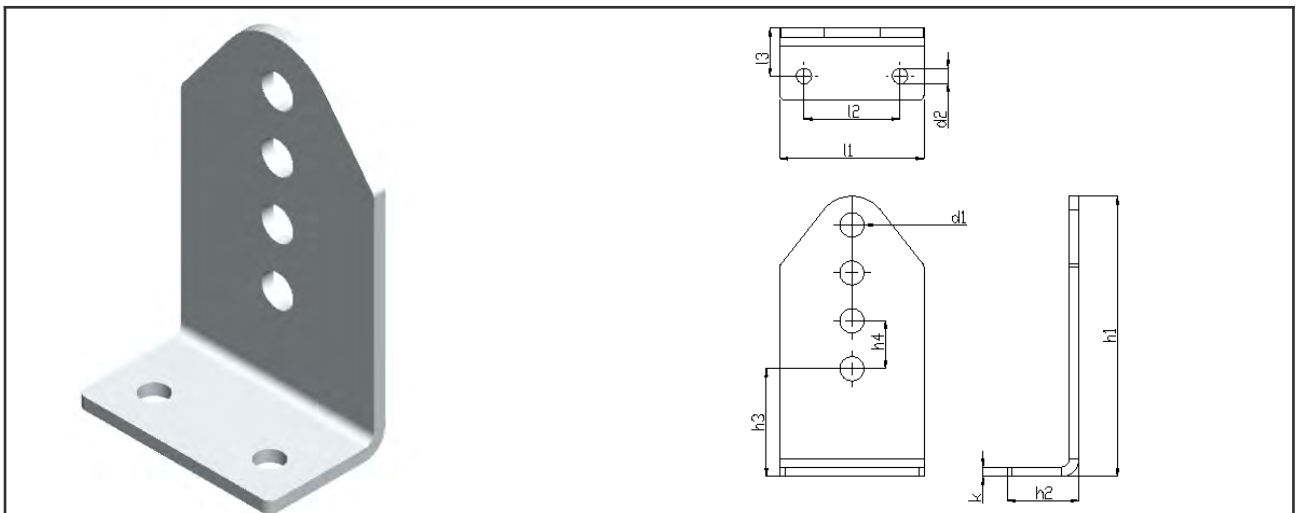
| Code     | l1 | l2  | d1 |
|----------|----|-----|----|
| FORM "A" | 9  | 2,3 | Ø8 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## GATE CLOSER BRACKET SET-1



| Code  | l1 | l2 | l3 | h1 | h2 | h3 | d1  | d2  | K |
|-------|----|----|----|----|----|----|-----|-----|---|
| BRGC8 | 50 | 30 | 20 | 31 | 30 | 20 | 8,2 | 6,5 | 3 |



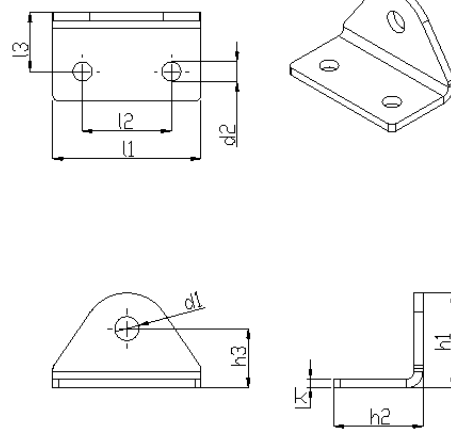
| Code  | l1 | l2 | l3 | h1 | h2 | h3 | h4 | d1  | d2  | K |
|-------|----|----|----|----|----|----|----|-----|-----|---|
| BRGP8 | 50 | 30 | 20 | 82 | 30 | 25 | 15 | 8,2 | 6,5 | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

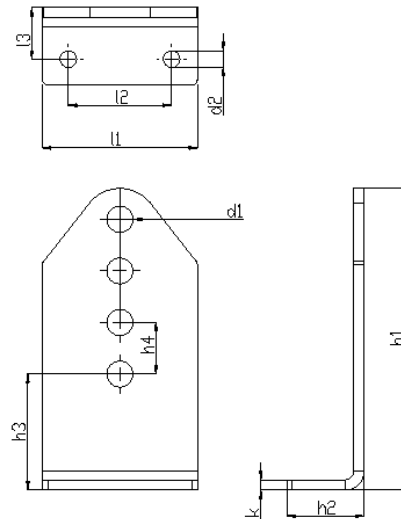
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## GATE CLOSER BRACKET SET-2



| Code   | l1 | l2 | l3 | h1 | h2 | h3 | d1   | d2  | K |
|--------|----|----|----|----|----|----|------|-----|---|
| BRGC10 | 60 | 40 | 20 | 37 | 30 | 25 | 10,2 | 6,5 | 3 |



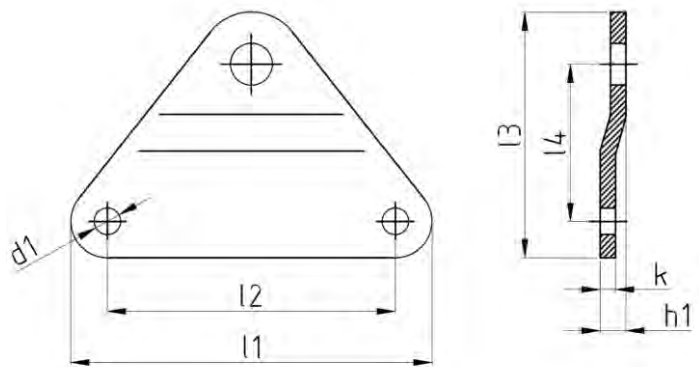
| Code   | l1 | l2 | l3 | h1  | h2 | h3 | h4 | d1   | d2  | K |
|--------|----|----|----|-----|----|----|----|------|-----|---|
| BRGP10 | 60 | 40 | 20 | 117 | 30 | 45 | 20 | 10,2 | 6,5 | 4 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

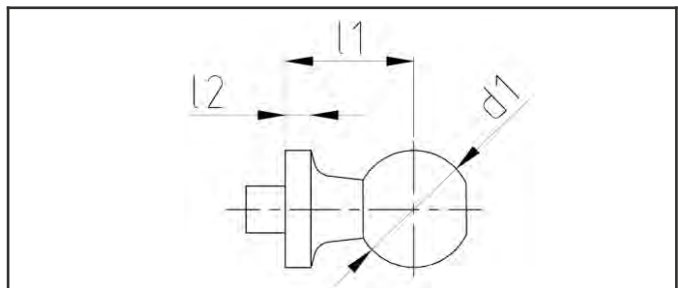
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

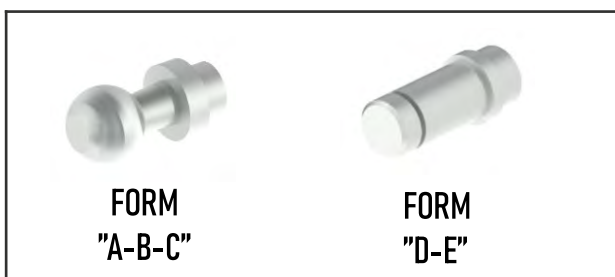


| Code   | Bolt     |
|--------|----------|
| BRK201 | FORM "A" |
| BRK202 | FORM "B" |
| BRK203 | FORM "C" |
| BRK204 | FORM "D" |
| BRK205 | FORM "E" |

| l1 | l2 | l3 | l4 | d1  | k | h1 |
|----|----|----|----|-----|---|----|
| 69 | 55 | 47 | 30 | 5,5 | 3 | 5  |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

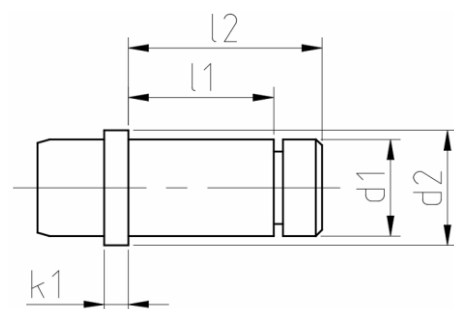


FORM  
"A-B-C"

FORM  
"D-E"

### ADITONAL CODES FOR SPECIAL PRODUCT

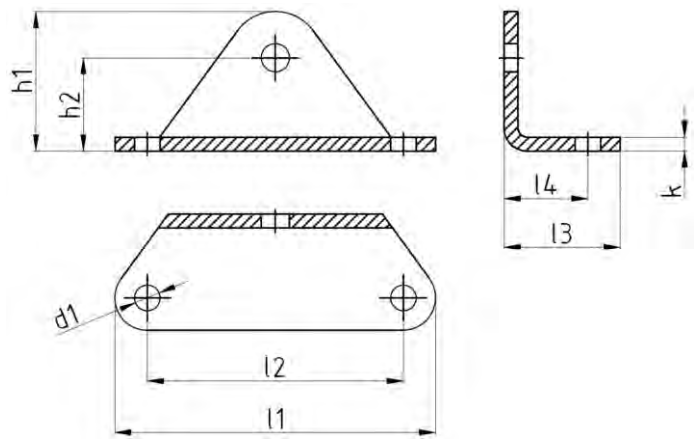
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK206R | FORM "A" | RIGHT-INSIDE  |
| BRK206L | FORM "A" | LEFT-OUTSIDE  |
| BRK207R | FORM "B" | RIGHT-INSIDE  |
| BRK207L | FORM "B" | LEFT-OUTSIDE  |
| BRK208R | FORM "C" | RIGHT-INSIDE  |
| BRK208L | FORM "C" | LEFT-OUTSIDE  |
| BRK209R | FORM "D" | RIGHT-INSIDE  |
| BRK209L | FORM "D" | LEFT-OUTSIDE  |
| BRK210R | FORM "E" | RIGHT-INSIDE  |
| BRK210L | FORM "E" | LEFT-OUTSIDE  |



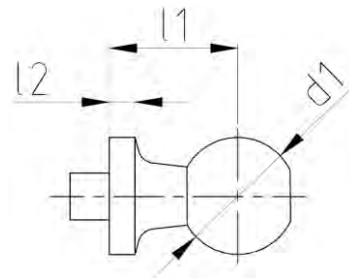
FORM  
"A-B-C"



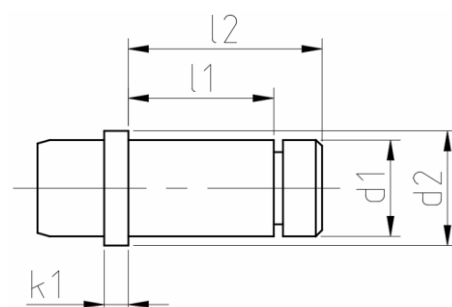
FORM  
"D-E"

| ADITIONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|-------------------------------------|---------------------------------|------|
| Material                            | AISI 303                        | SS3  |
|                                     | AISI 304                        | SS4  |
|                                     | AISI 316                        | SS16 |
| Plating                             | Zinc Plated/ Yellow Passivation | ZnY  |
|                                     | Zinc Plated/ Black Passivation  | ZnB  |

| l1 | l2 | l3   | l4   | h1   | h2   | d1  | k |
|----|----|------|------|------|------|-----|---|
| 69 | 55 | 23,5 | 16,5 | 29,5 | 19,5 | 5,2 | 3 |



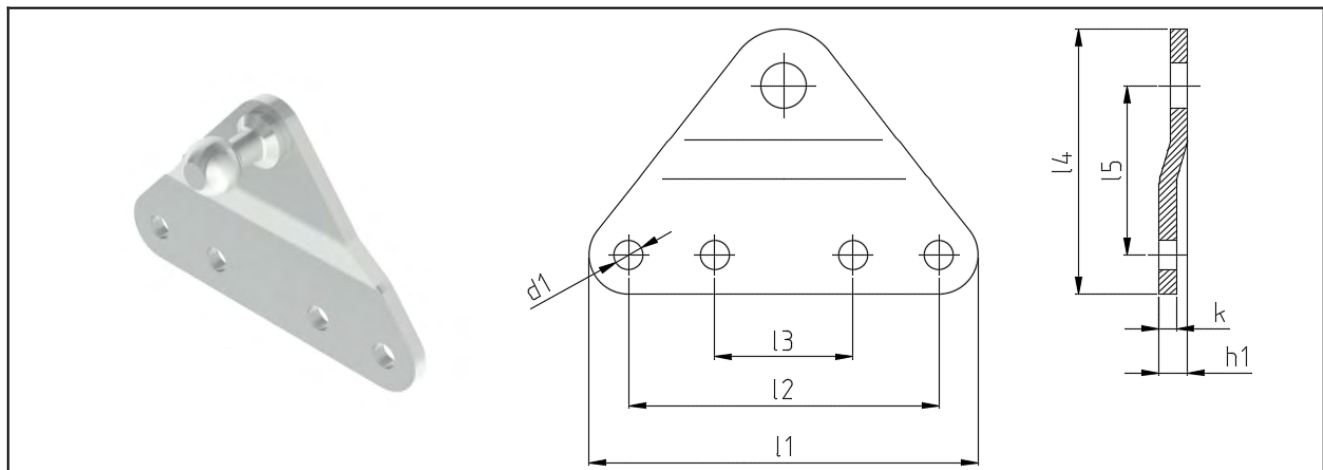
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

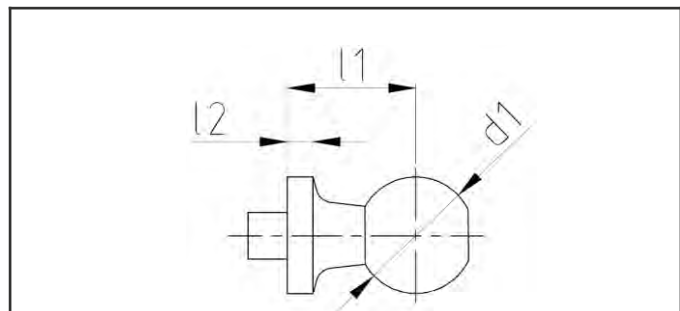
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

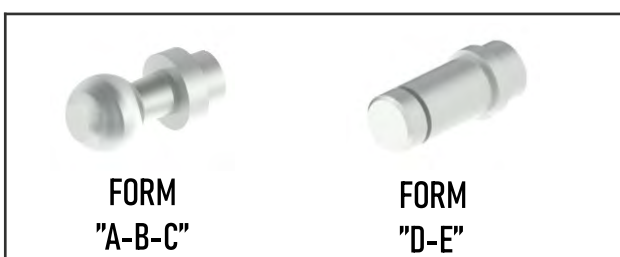


| Code   | Bolt     |
|--------|----------|
| BRK211 | FORM "A" |
| BRK212 | FORM "B" |
| BRK213 | FORM "C" |
| BRK214 | FORM "D" |
| BRK215 | FORM "E" |

| l1 | l2 | l3   | l4 | l5 | d1  | k | h1 |
|----|----|------|----|----|-----|---|----|
| 69 | 55 | 24,5 | 47 | 30 | 5,5 | 3 | 5  |

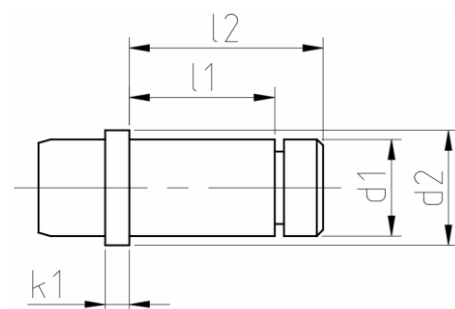


| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



### ADITONAL CODES FOR SPECIAL PRODUCT

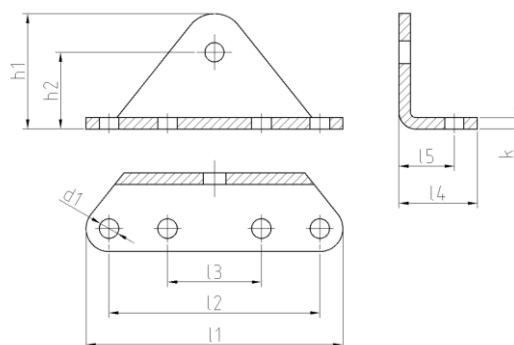
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

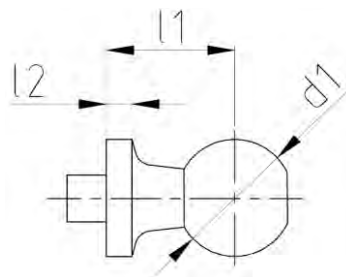
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK216R | FORM "A" | RIGHT-INSIDE  |
| BRK216L | FORM "A" | LEFT-OUTSIDE  |
| BRK217R | FORM "B" | RIGHT-INSIDE  |
| BRK217L | FORM "B" | LEFT-OUTSIDE  |
| BRK218R | FORM "C" | RIGHT-INSIDE  |
| BRK218L | FORM "C" | LEFT-OUTSIDE  |
| BRK219R | FORM "D" | RIGHT-INSIDE  |
| BRK219L | FORM "D" | LEFT-OUTSIDE  |
| BRK220R | FORM "E" | RIGHT-INSIDE  |
| BRK220L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3   | l4   | l5   | h1   | h2   | d1 | k |
|----|----|------|------|------|------|------|----|---|
| 69 | 55 | 24,5 | 23,5 | 16,5 | 29,5 | 19,5 | 5  | 3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



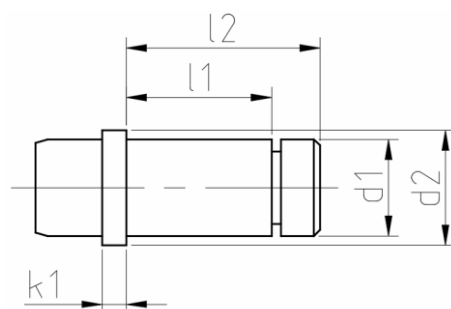
FORM  
"A-B-C"



FORM  
"D-E"

### ADITIONAL CODES FOR SPECIAL PRODUCT

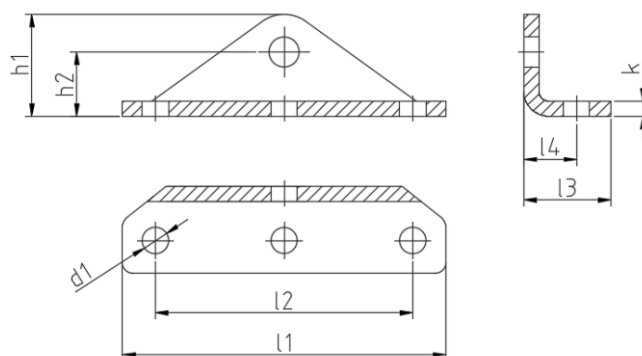
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

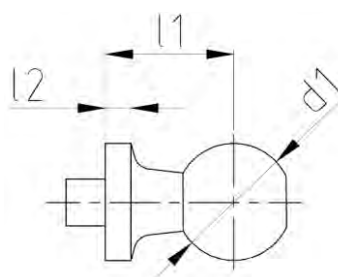
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK301R | FORM "A" | RIGHT-INSIDE  |
| BRK301L | FORM "A" | LEFT-OUTSIDE  |
| BRK302R | FORM "B" | RIGHT-INSIDE  |
| BRK302L | FORM "B" | LEFT-OUTSIDE  |
| BRK303R | FORM "C" | RIGHT-INSIDE  |
| BRK303L | FORM "C" | LEFT-OUTSIDE  |
| BRK304R | FORM "D" | RIGHT-INSIDE  |
| BRK304L | FORM "D" | LEFT-OUTSIDE  |
| BRK305R | FORM "E" | RIGHT-INSIDE  |
| BRK305L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3 | l4   | h1   | h2   | d1  | k |
|----|----|----|------|------|------|-----|---|
| 64 | 51 | 17 | 10,5 | 20,5 | 12,5 | 5,2 | 3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



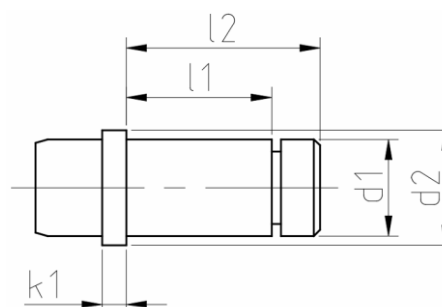
FORM  
"A-B-C"



FORM  
"D-E"

### ADITIONAL CODES FOR SPECIAL PRODUCT

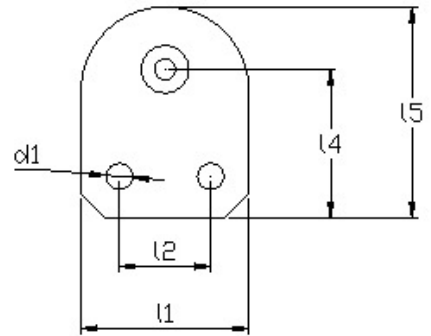
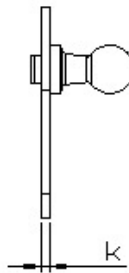
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK307 | FORM "A" |
| BRK308 | FORM "B" |
| BRK309 | FORM "C" |
| BRK310 | FORM "D" |
| BRK311 | FORM "E" |

| l1 | l2 | l4 | l5 | d1  | k |
|----|----|----|----|-----|---|
| 35 | 19 | 31 | 44 | 5,5 | 2 |

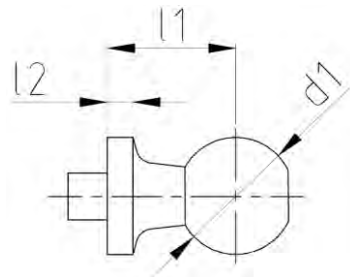
| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



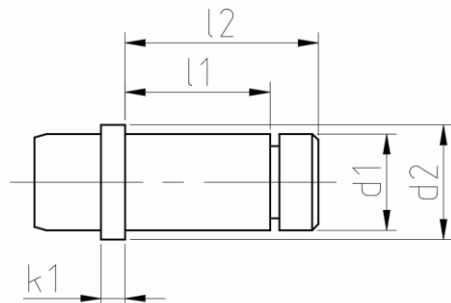
FORM  
"A-B-C"



FORM  
"D-E"



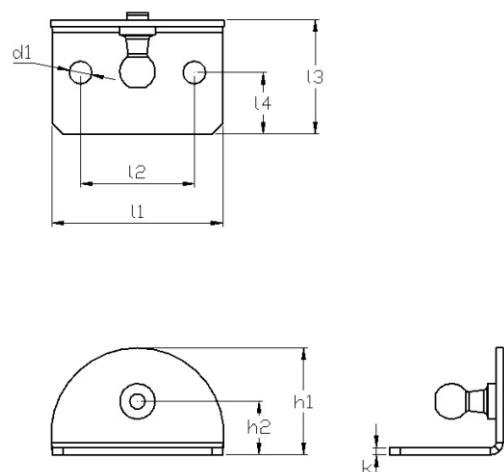
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

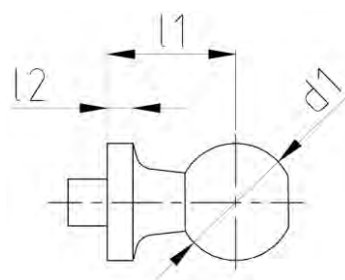
## BRACKET



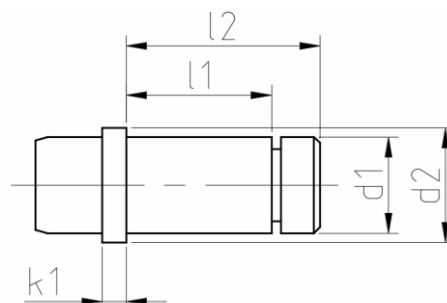
| Code   | Bolt     |
|--------|----------|
| BRK317 | FORM "A" |
| BRK318 | FORM "B" |
| BRK319 | FORM "C" |
| BRK320 | FORM "D" |
| BRK321 | FORM "E" |

| l1 | l2 | l3 | l4   | h1 | h2 | d1  | k |
|----|----|----|------|----|----|-----|---|
| 48 | 32 | 32 | 17,2 | 30 | 15 | 6,4 | 2 |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |



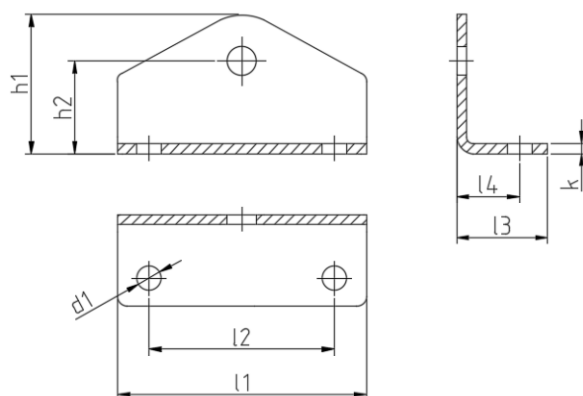
FORM  
"A-B-C"



FORM  
"D-E"

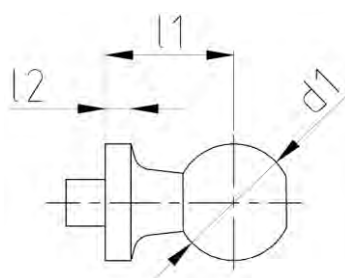
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK401R | FORM "A" | RIGHT-INSIDE  |
| BRK401L | FORM "A" | LEFT-OUTSIDE  |
| BRK402R | FORM "B" | RIGHT-INSIDE  |
| BRK402L | FORM "B" | LEFT-OUTSIDE  |
| BRK403R | FORM "C" | RIGHT-INSIDE  |
| BRK403L | FORM "C" | LEFT-OUTSIDE  |
| BRK404R | FORM "D" | RIGHT-INSIDE  |
| BRK404L | FORM "D" | LEFT-OUTSIDE  |
| BRK405R | FORM "E" | RIGHT-INSIDE  |
| BRK405L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3   | l4   | h1   | h2 | d1  | k |
|----|----|------|------|------|----|-----|---|
| 51 | 38 | 19,2 | 12,7 | 28,3 | 19 | 5,2 | 2 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



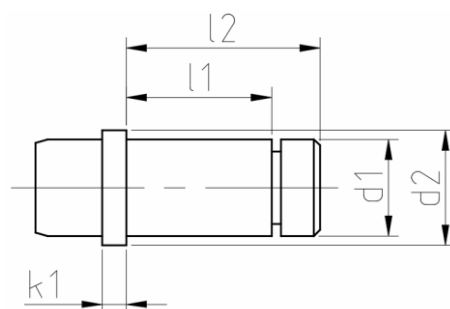
FORM  
"A-B-C"



FORM  
"D-E"

### ADITIONAL CODES FOR SPECIAL PRODUCT

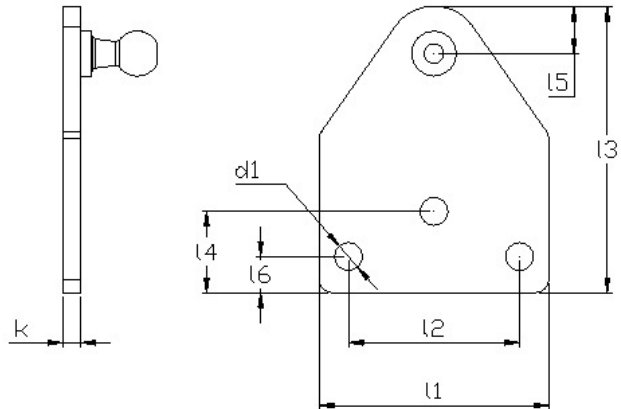
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK407 | FORM "A" |
| BRK408 | FORM "B" |
| BRK409 | FORM "C" |
| BRK410 | FORM "D" |
| BRK411 | FORM "E" |

| l1 | l2 | l3   | l4 | l5   | l6 | d1  | k |
|----|----|------|----|------|----|-----|---|
| 51 | 38 | 63,5 | 18 | 10,5 | 8  | 6,2 | 4 |

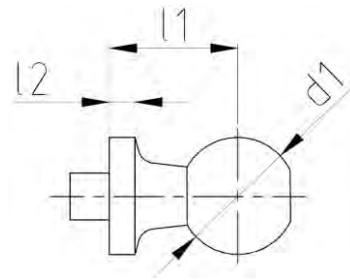
| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



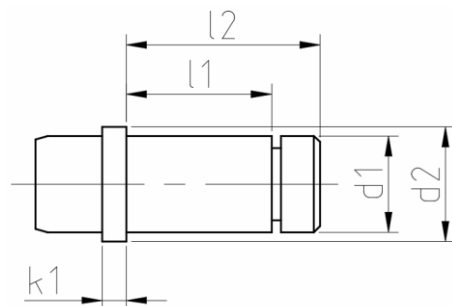
FORM  
"A-B-C"



FORM  
"D-E"



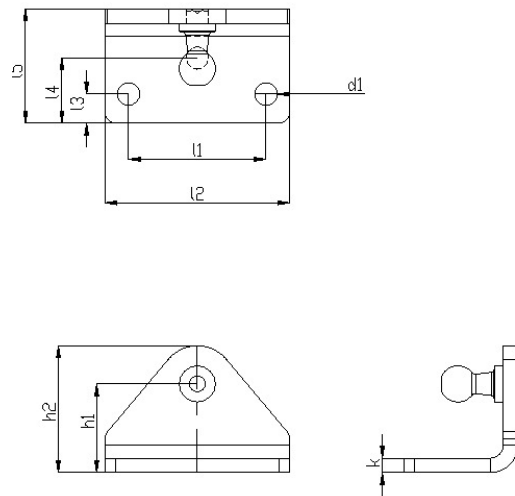
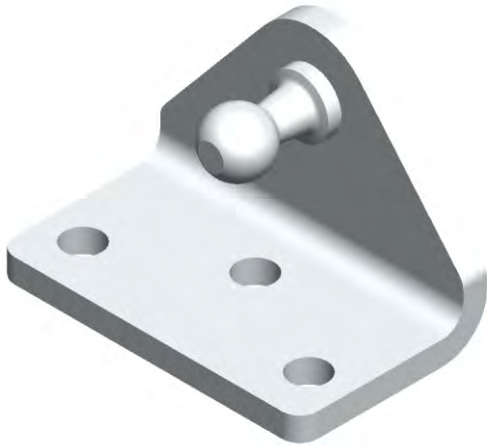
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK417 | FORM "A" |
| BRK418 | FORM "B" |
| BRK419 | FORM "C" |
| BRK420 | FORM "D" |
| BRK421 | FORM "E" |

| l1 | l2 | l3 | l4 | l5   | h1   | h2 | d1  | k |
|----|----|----|----|------|------|----|-----|---|
| 38 | 51 | 8  | 18 | 31,5 | 24,5 | 35 | 6,2 | 4 |

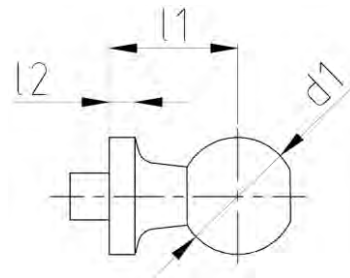
| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



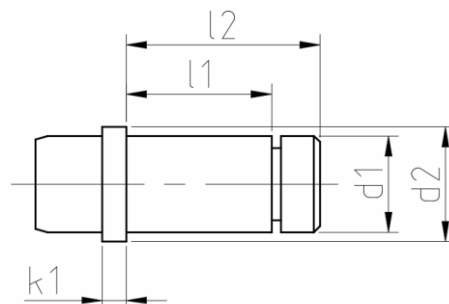
FORM  
"A-B-C"



FORM  
"D-E"



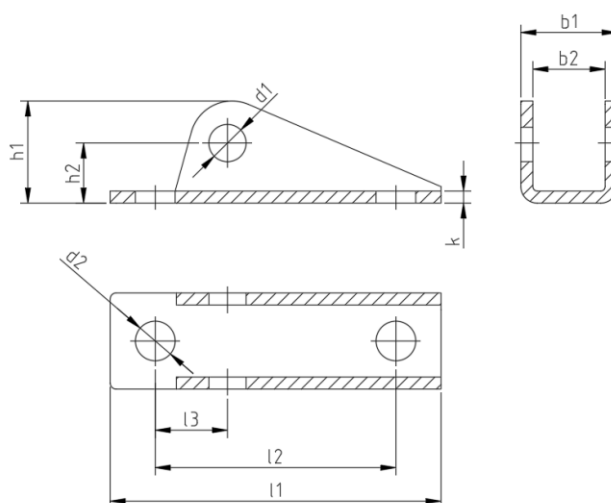
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

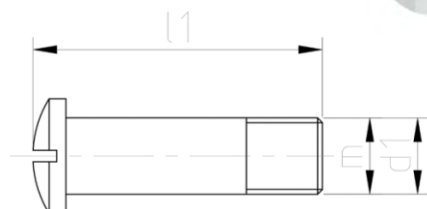
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1 | l2 | l3 | h1 | h2 | d1  | d2  | b1 | b2 | k |
|-----------|-----------|---------------|----|----|----|----|----|-----|-----|----|----|---|
| BRK5001   | FORM "A"  | BOLT          | 55 | 40 | 12 | 17 | 10 | 6,2 | 6,5 | 16 | 12 | 2 |
| BRK5002   | FORM "B1" | CLIP          |    |    |    |    |    |     |     |    |    |   |
| BRK5002-2 | FORM "B2" | CIRCLIP       |    |    |    |    |    |     |     |    |    |   |

### FORM "A" + WITH HEX-NUT



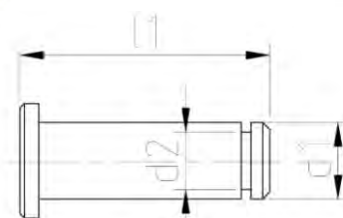
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 27,4 | M6 | 6  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



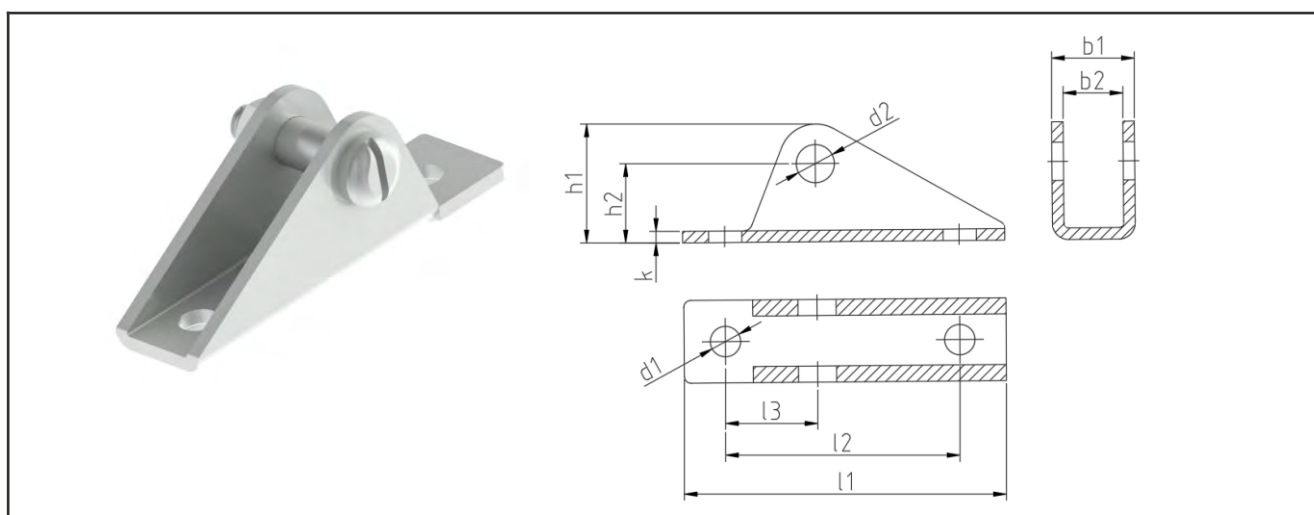
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                |      |
|----------|--------------------------------|------|
| Material | AISI 303                       | SS3  |
|          | AISI 304                       | SS4  |
|          | AISI 316                       | SS16 |
| Plating  | Zinc Plated/ YellowPassivation | ZnY  |
|          | Zinc Plated/ Black Passivation | ZnB  |

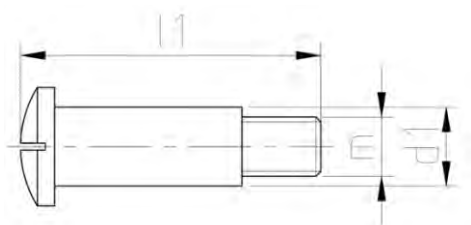
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1 | l2 | l3 | h1   | h2 | d1  | d2 | b1 | B2 | k   |
|-----------|-----------|---------------|----|----|----|------|----|-----|----|----|----|-----|
| BRK5011   | FORM "A"  | BOLT          | 70 | 51 | 20 | 25,5 | 17 | 6,5 | 8  | 18 | 13 | 2,5 |
| BRK5012   | FORM "B1" | CLIP          |    |    |    |      |    |     |    |    |    |     |
| BRK5012-2 | FORM "B2" | CIRCLIP       |    |    |    |      |    |     |    |    |    |     |

### FORM "A" + WITH HEX-NUT



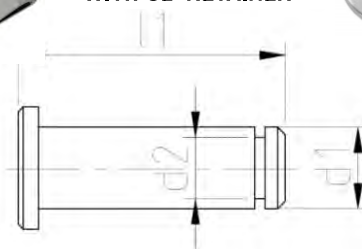
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



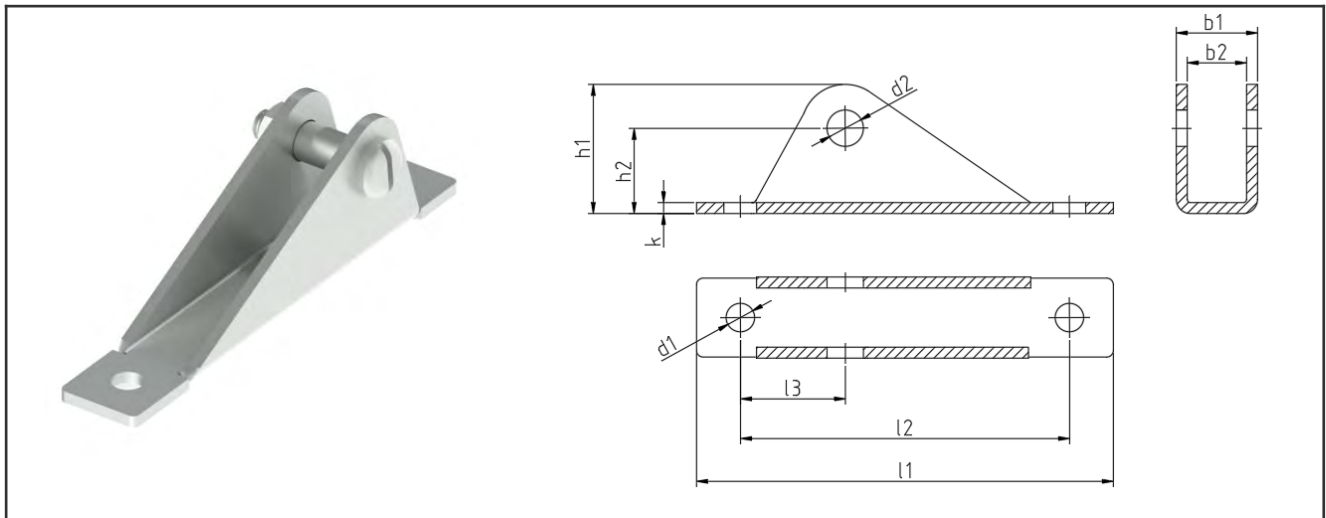
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

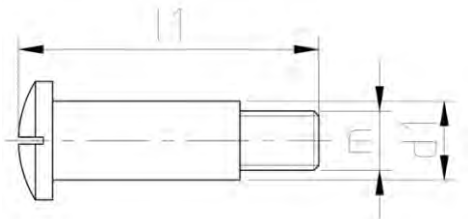
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1 | l2 | l3 | h1   | h2 | d1  | d2 | b1 | B2 | k   |
|-----------|-----------|---------------|----|----|----|------|----|-----|----|----|----|-----|
| BRK5021   | FORM "A"  | BOLT          | 95 | 75 | 18 | 28,5 | 20 | 6,5 | 8  | 18 | 13 | 2,5 |
| BRK5022   | FORM "B1" | CLIP          |    |    |    |      |    |     |    |    |    |     |
| BRK5022-2 | FORM "B2" | CIRCLIP       |    |    |    |      |    |     |    |    |    |     |

### FORM "A" + WITH HEX-NUT



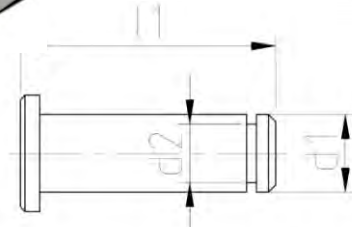
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



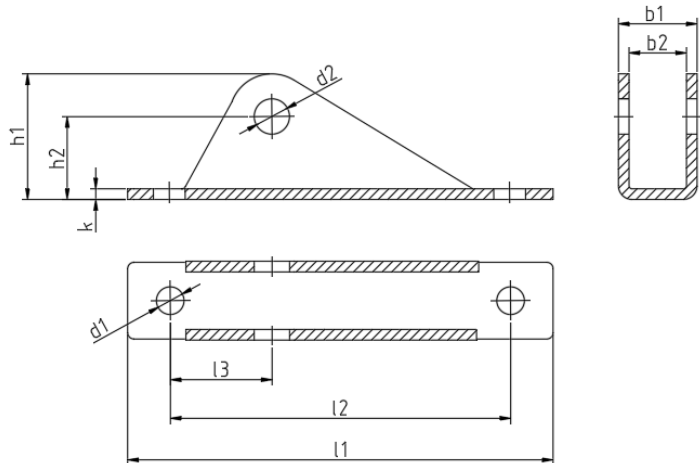
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                |      |
|----------|--------------------------------|------|
| Material | AISI 303                       | SS3  |
|          | AISI 304                       | SS4  |
|          | AISI 316                       | SS16 |
| Plating  | Zinc Plated/ YellowPassivation | ZnY  |
|          | Zinc Plated/ Black Passivation | ZnB  |

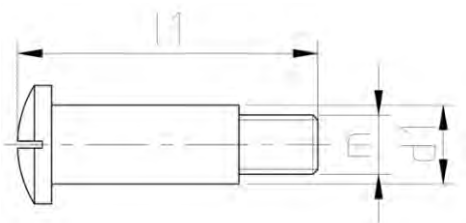
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1  | l2 | l3   | h1   | h2 | d1  | d2  | b1   | B2   | k   |
|-----------|-----------|---------------|-----|----|------|------|----|-----|-----|------|------|-----|
| BRK5031   | FORM "A"  | BOLT          | 105 | 85 | 19,5 | 28,6 | 20 | 6,5 | 8,5 | 18,5 | 13,5 | 2,5 |
| BRK5032   | FORM "B1" | CLIP          |     |    |      |      |    |     |     |      |      |     |
| BRK5032-2 | FORM "B2" | CIRCLIP       |     |    |      |      |    |     |     |      |      |     |

### FORM "A" + WITH HEX-NUT



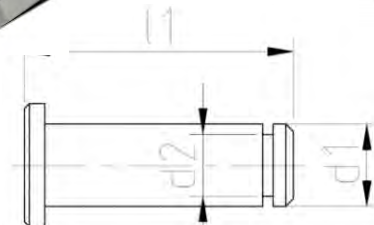
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



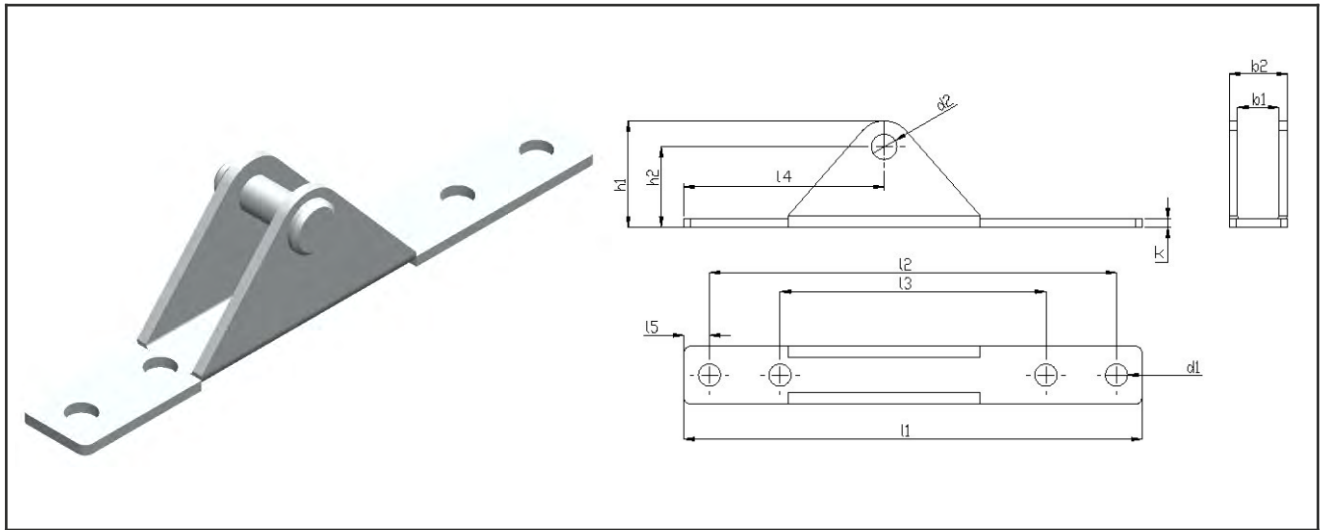
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

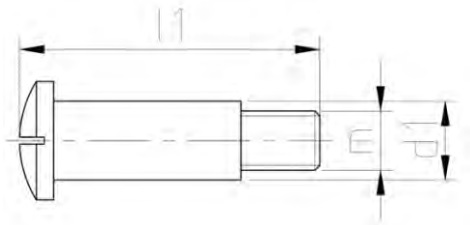
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1  | l2  | l3 | l4   | l5 | d1 | d2 | b2 | b1 | k   | h1   | h2 |
|-----------|-----------|---------------|-----|-----|----|------|----|----|----|----|----|-----|------|----|
| BRK5033   | FORM "A"  | BOLT          | 143 | 127 | 83 | 62,5 | 8  | 7  | 8  | 18 | 13 | 2,5 | 33,1 | 25 |
| BRK5034   | FORM "B1" | CLIP          |     |     |    |      |    |    |    |    |    |     |      |    |
| BRK5034-2 | FORM "B2" | CIRCLIP       |     |     |    |      |    |    |    |    |    |     |      |    |

### FORM "A" + WITH HEX-NUT



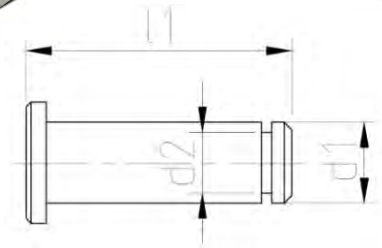
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



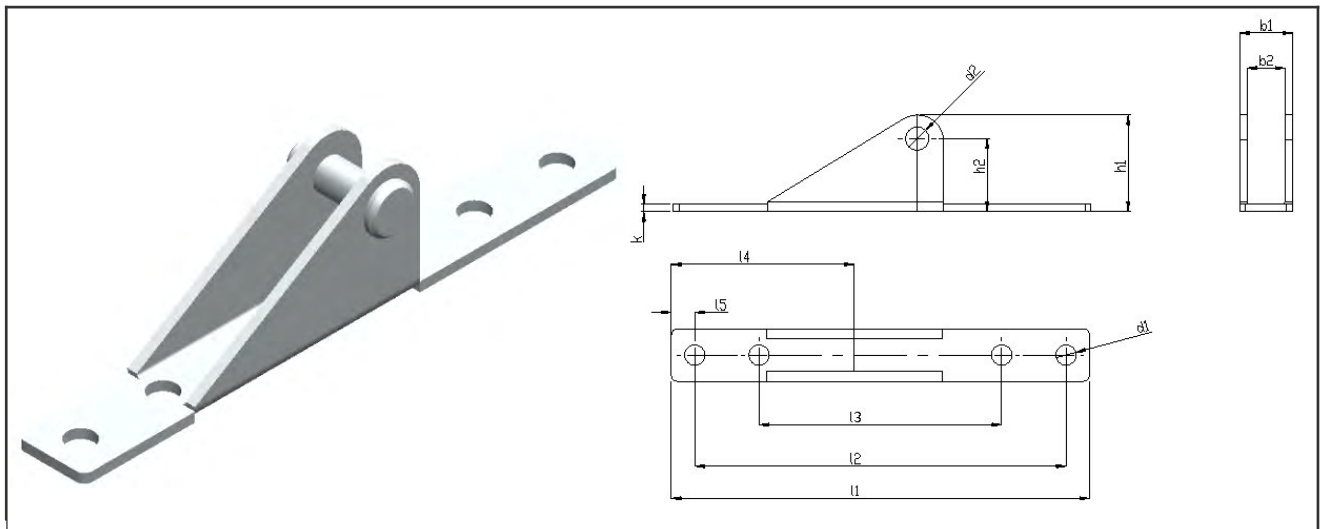
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

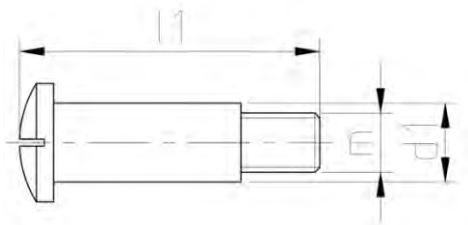
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1  | l2  | l3 | l4   | l5 | d1 | d2 | b1 | b2 | k   | h1   | h2 |
|-----------|-----------|---------------|-----|-----|----|------|----|----|----|----|----|-----|------|----|
| BRK5035   | FORM "A"  | BOLT          | 143 | 127 | 83 | 80,5 | 8  | 7  | 8  | 18 | 13 | 2,5 | 33,1 | 25 |
| BRK5036   | FORM "B1" | CLIP          |     |     |    |      |    |    |    |    |    |     |      |    |
| BRK5036-2 | FORM "B2" | CIRCLIP       |     |     |    |      |    |    |    |    |    |     |      |    |

### FORM "A" + WITH HEX-NUT



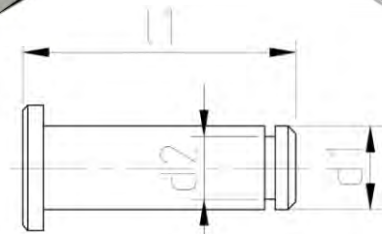
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



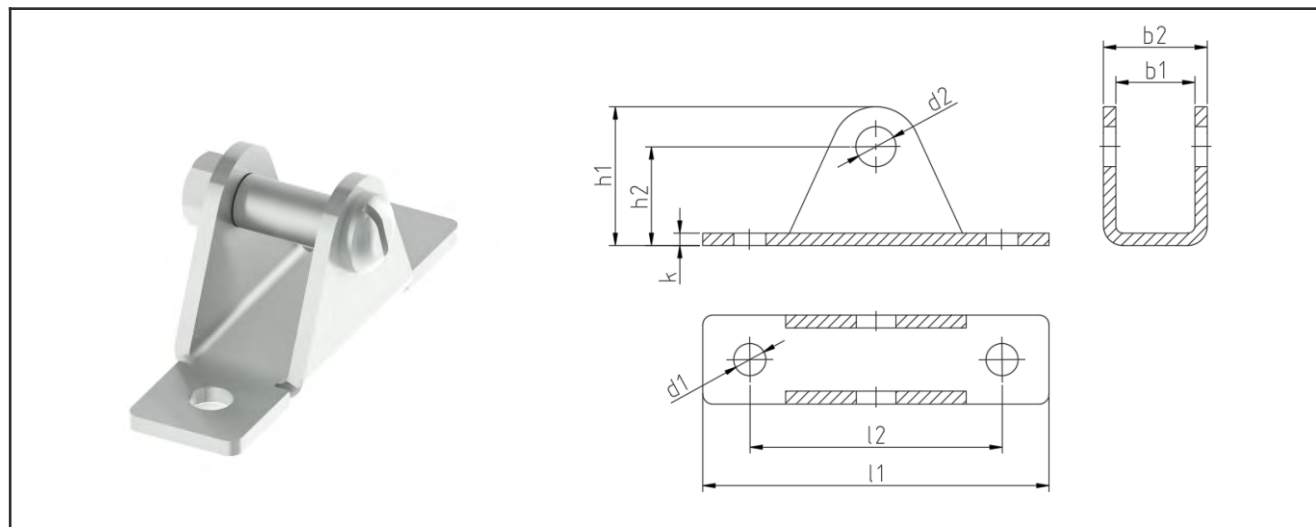
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

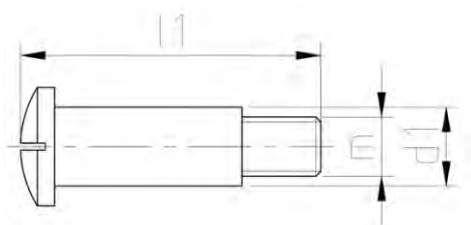
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1 | l2 | h1 | h2 | d1   | d2 | b1 | b2 | k   |
|-----------|-----------|---------------|----|----|----|----|------|----|----|----|-----|
| BRK5041   | FORM "A"  | BOLT          | 70 | 51 | 29 | 20 | Ø6,5 | Ø8 | 13 | 18 | 2,5 |
| BRK5042   | FORM "B1" | CLIP          |    |    |    |    |      |    |    |    |     |
| BRK5042-2 | FORM "B2" | CIRCLIP       |    |    |    |    |      |    |    |    |     |

### FORM "A" + WITH HEX-NUT



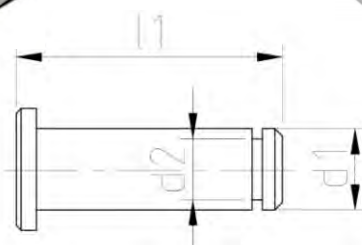
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



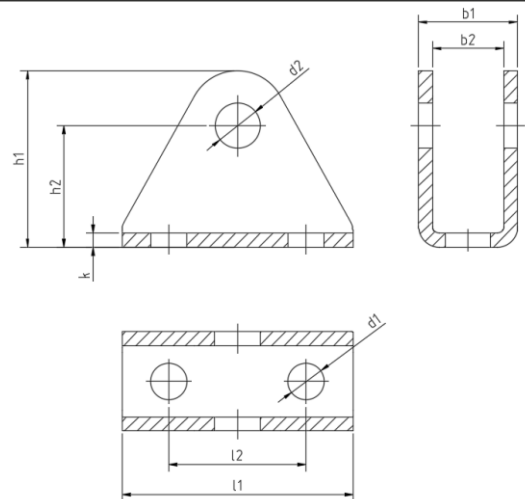
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

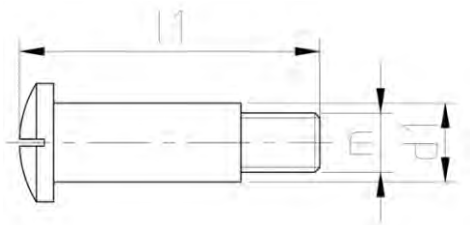
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt      | Mounting Side | l1 | l2 | h1 | h2 | d1   | d2   | b1 | b2 | k |
|-----------|-----------|---------------|----|----|----|----|------|------|----|----|---|
| BRK5051   | FORM "A"  | BOLT          | 42 | 25 | 32 | 22 | Ø6,5 | Ø8,2 | 17 | 13 | 2 |
| BRK5052   | FORM "B1" | CLIP          |    |    |    |    |      |      |    |    |   |
| BRK5052-2 | FORM "B2" | CIRCLIP       |    |    |    |    |      |      |    |    |   |

### FORM "A" + WITH HEX-NUT



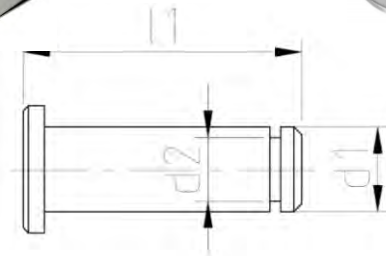
| Code     | l1   | m  | d1 |
|----------|------|----|----|
| FORM "A" | 30,5 | M6 | 8  |

### FORM "B1"



### FORM "B" + WITH SL-RETAINER+

### FORM "B2"



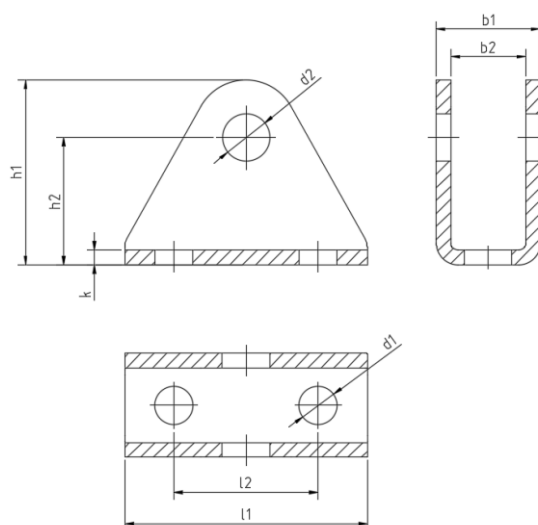
| Code      | l1   | d1 | d2 |
|-----------|------|----|----|
| FORM "B1" | 26,5 | 8  | 6  |
| FORM "B2" | 26,5 | 8  | 6  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



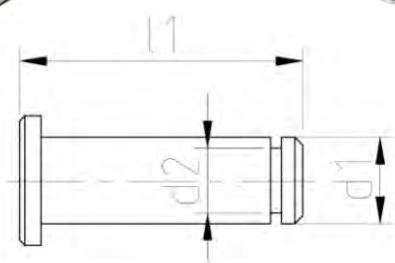
| Code      | Bolt      | Mounting Side | l1 | l2 | h1   | h2 | d1   | d2   | b1 | b2 | k   |
|-----------|-----------|---------------|----|----|------|----|------|------|----|----|-----|
| BRK5053   | FORM "A1" | CLIP          | 36 | 20 | 25,5 | 17 | Ø5,5 | Ø6,3 | 14 | 11 | 1,5 |
| BRK5053-2 | FORM "A2" | CIRCLIP       |    |    |      |    |      |      |    |    |     |

FORM "A1"



FORM "A"  
+ WITH SL-RETAINER+

FORM "A2"



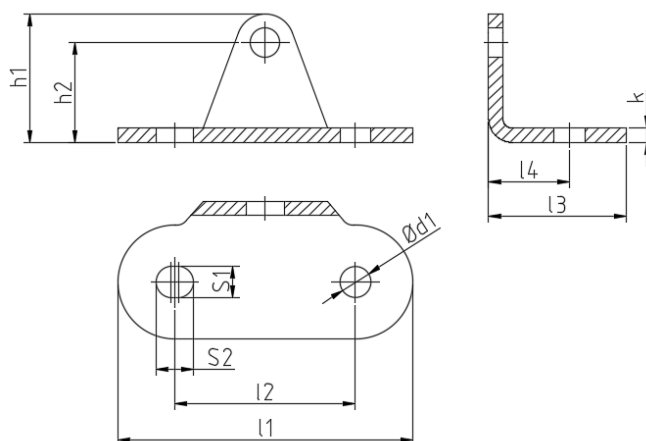
| Code      | l1 | d1 | d2 |
|-----------|----|----|----|
| FORM "A1" | 20 | 6  | 5  |
| FORM "A2" | 20 | 6  | 5  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

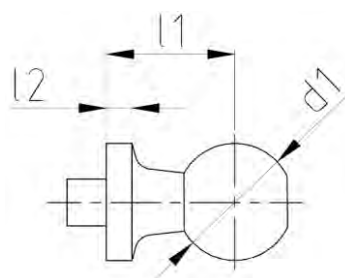
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK501R | FORM "A" | RIGHT-INSIDE  |
| BRK501L | FORM "A" | LEFT-OUTSIDE  |
| BRK502R | FORM "B" | RIGHT-INSIDE  |
| BRK502L | FORM "B" | LEFT-OUTSIDE  |
| BRK503R | FORM "C" | RIGHT-INSIDE  |
| BRK503L | FORM "C" | LEFT-OUTSIDE  |
| BRK504R | FORM "D" | RIGHT-INSIDE  |
| BRK504L | FORM "D" | LEFT-OUTSIDE  |
| BRK505R | FORM "E" | RIGHT-INSIDE  |
| BRK505L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3 | l4 | h1 | h2 | d1  | s1  | s2 | K |
|----|----|----|----|----|----|-----|-----|----|---|
| 62 | 38 | 29 | 17 | 27 | 21 | 6,5 | 6,5 | 8  | 3 |



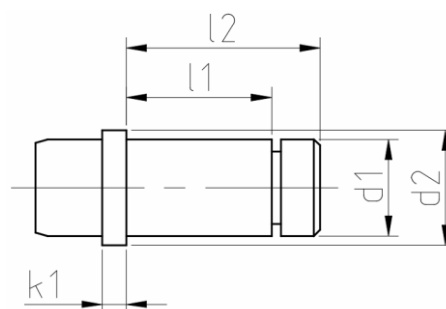
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



FORM  
"A-B-C"



FORM  
"D-E"



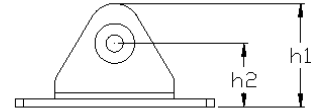
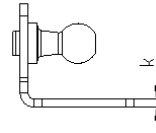
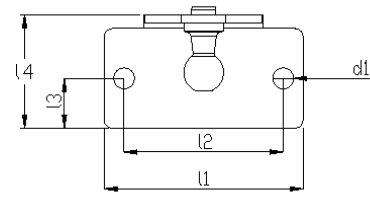
| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                |      |
|----------|--------------------------------|------|
| Material | AISI 303                       | SS3  |
|          | AISI 304                       | SS4  |
|          | AISI 316                       | SS16 |
| Plating  | Zinc Plated/ YellowPassivation | ZnY  |
|          | Zinc Plated/ Black Passivation | ZnB  |

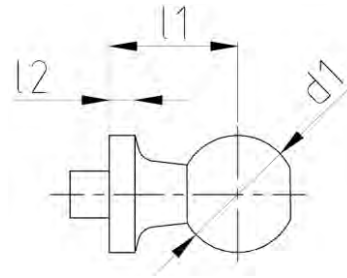
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt     | Mounting Side |
|-----------|----------|---------------|
| BRK501-0R | FORM "A" | RIGHT-INSIDE  |
| BRK501-0L | FORM "A" | LEFT-OUTSIDE  |
| BRK502-1R | FORM "B" | RIGHT-INSIDE  |
| BRK502-1L | FORM "B" | LEFT-OUTSIDE  |
| BRK503-2R | FORM "C" | RIGHT-INSIDE  |
| BRK503-2L | FORM "C" | LEFT-OUTSIDE  |
| BRK504-3R | FORM "D" | RIGHT-INSIDE  |
| BRK504-3L | FORM "D" | LEFT-OUTSIDE  |
| BRK505-4R | FORM "E" | RIGHT-INSIDE  |
| BRK505-4L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3   | l4   | h1 | h2 | k | d1   |
|----|----|------|------|----|----|---|------|
| 50 | 40 | 12,5 | 28,5 | 26 | 16 | 2 | Ø5,3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



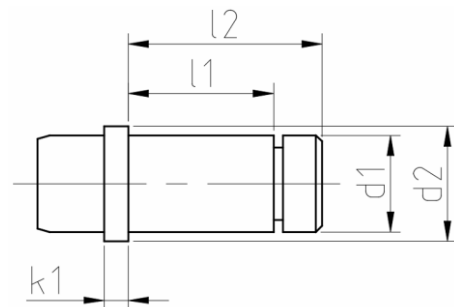
FORM  
"A-B-C"



FORM  
"D-E"

### ADITIONAL CODES FOR SPECIAL PRODUCT

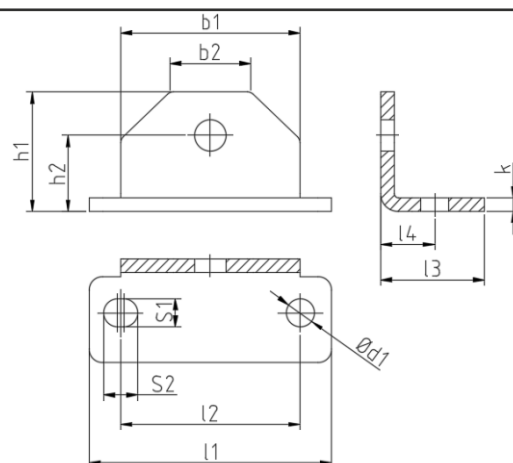
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK506R | FORM "A" | RIGHT-INSIDE  |
| BRK506L | FORM "A" | LEFT-OUTSIDE  |
| BRK507R | FORM "B" | RIGHT-INSIDE  |
| BRK507L | FORM "B" | LEFT-OUTSIDE  |
| BRK508R | FORM "C" | RIGHT-INSIDE  |
| BRK509L | FORM "C" | LEFT-OUTSIDE  |
| BRK510R | FORM "D" | RIGHT-INSIDE  |
| BRK510L | FORM "D" | LEFT-OUTSIDE  |
| BRK511R | FORM "E" | RIGHT-INSIDE  |
| BRK511L | FORM "E" | LEFT-OUTSIDE  |



FORM  
"A-B-C"

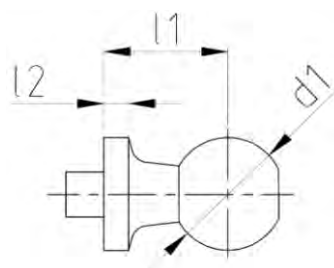


FORM  
"D-E"

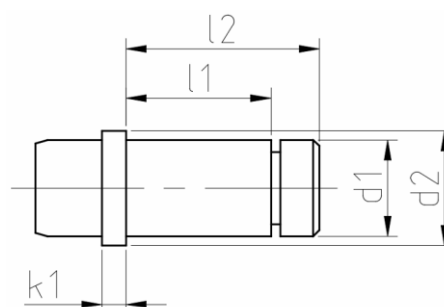
### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

| l1 | l2 | l3 | l4 | h1   | h2 | b1 | b2 | s1  | s2  | d1  | k |
|----|----|----|----|------|----|----|----|-----|-----|-----|---|
| 54 | 40 | 23 | 12 | 26,5 | 17 | 40 | 18 | 6,2 | 7,5 | 6,3 | 3 |



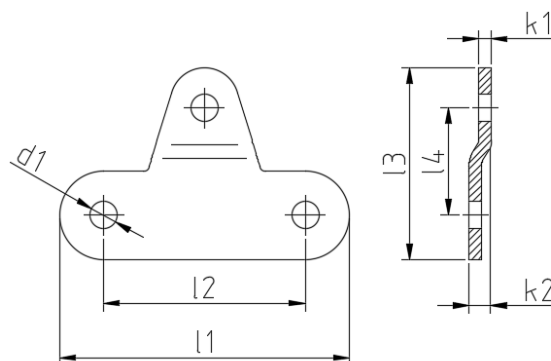
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

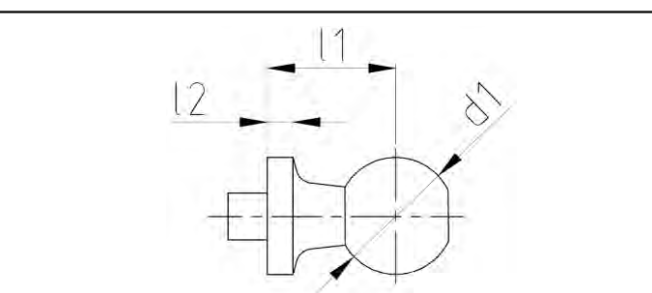
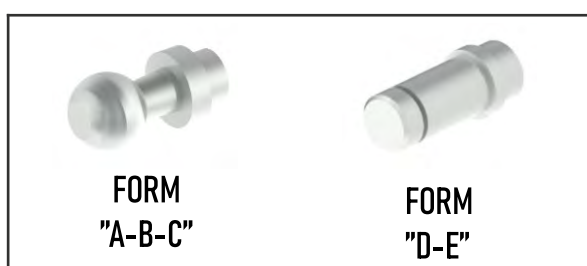
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

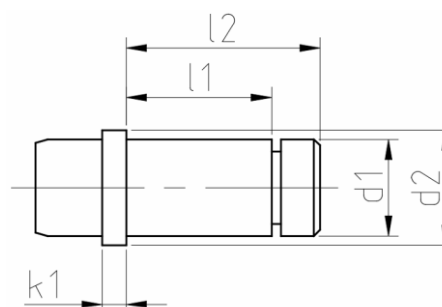


| Code   | Bolt     |
|--------|----------|
| BRK601 | FORM "A" |
| BRK602 | FORM "B" |
| BRK603 | FORM "C" |
| BRK604 | FORM "D" |
| BRK605 | FORM "E" |

| l1   | l2   | l3 | l4 | d1  | k1 | k2  |
|------|------|----|----|-----|----|-----|
| 46,2 | 32,2 | 31 | 19 | 4,1 | 3  | 3,5 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

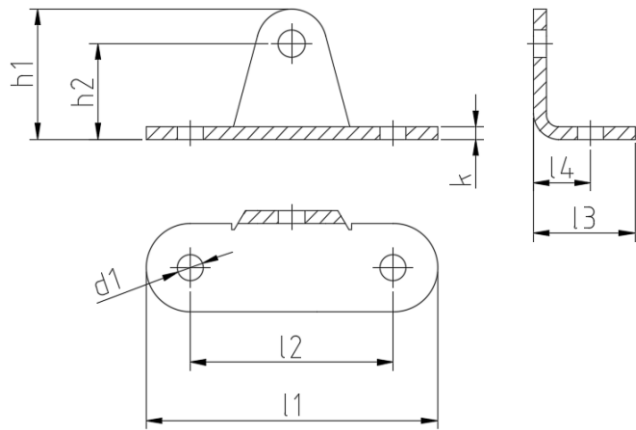


| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

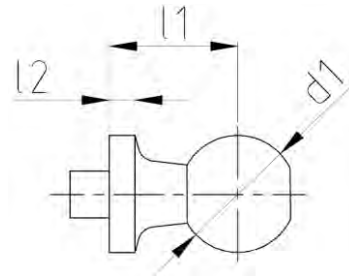
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK606R | FORM "A" | RIGHT-INSIDE  |
| BRK606L | FORM "A" | LEFT-OUTSIDE  |
| BRK607R | FORM "B" | RIGHT-INSIDE  |
| BRK607L | FORM "B" | LEFT-OUTSIDE  |
| BRK608R | FORM "C" | RIGHT-INSIDE  |
| BRK608L | FORM "C" | LEFT-OUTSIDE  |
| BRK609R | FORM "D" | RIGHT-INSIDE  |
| BRK609L | FORM "D" | LEFT-OUTSIDE  |
| BRK610R | FORM "E" | RIGHT-INSIDE  |
| BRK610L | FORM "E" | LEFT-OUTSIDE  |

| l1   | l2   | l3 | l4 | h1 | h2 | d1  | k |
|------|------|----|----|----|----|-----|---|
| 46,2 | 32,2 | 14 | 7  | 20 | 15 | 4,1 | 2 |



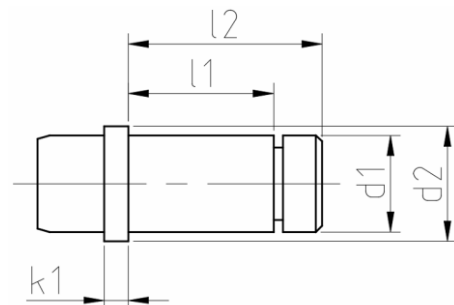
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



FORM  
"A-B-C"



FORM  
"D-E"



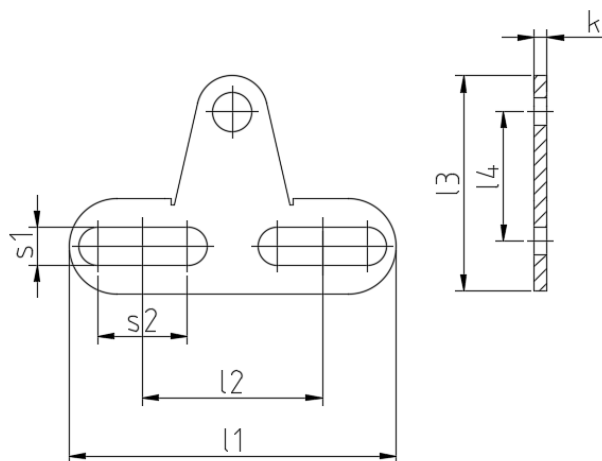
| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

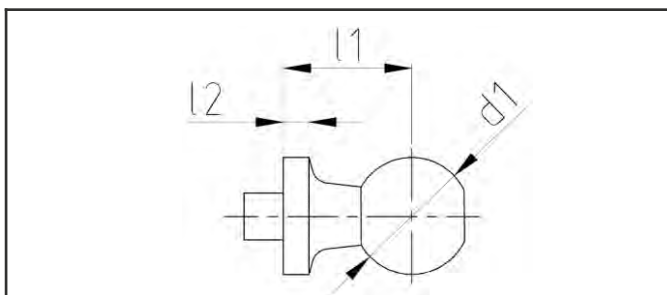
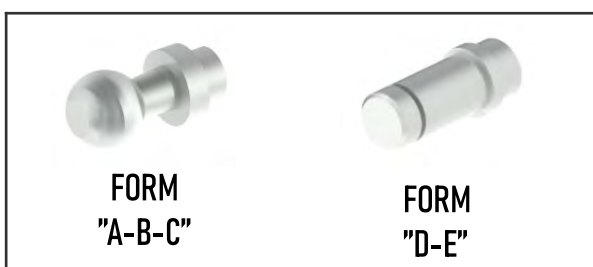
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

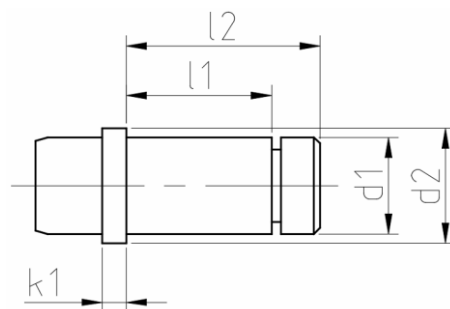


| Code   | Bolt     |
|--------|----------|
| BRK701 | FORM "A" |
| BRK702 | FORM "B" |
| BRK703 | FORM "C" |
| BRK704 | FORM "D" |
| BRK705 | FORM "E" |

| l1 | l2 | l3 | l4   | s1 | s2 | k |
|----|----|----|------|----|----|---|
| 51 | 28 | 32 | 19,5 | 6  | 14 | 2 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

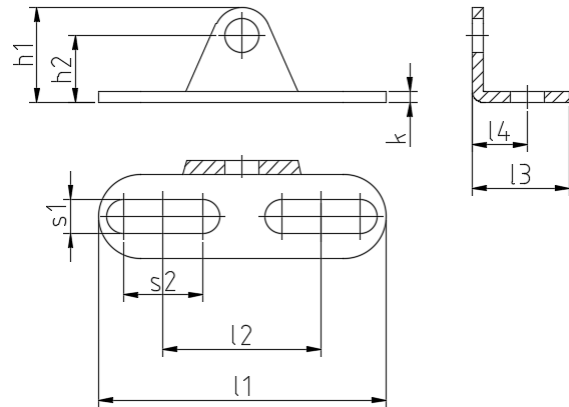


| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

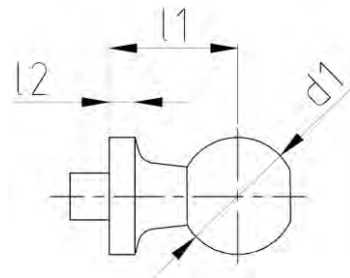
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side |
|---------|----------|---------------|
| BRK706R | FORM "A" | RIGHT-INSIDE  |
| BRK706L | FORM "A" | LEFT-OUTSIDE  |
| BRK707R | FORM "B" | RIGHT-INSIDE  |
| BRK707L | FORM "B" | LEFT-OUTSIDE  |
| BRK708R | FORM "C" | RIGHT-INSIDE  |
| BRK708L | FORM "C" | LEFT-OUTSIDE  |
| BRK709R | FORM "D" | RIGHT-INSIDE  |
| BRK709L | FORM "D" | LEFT-OUTSIDE  |
| BRK710R | FORM "E" | RIGHT-INSIDE  |
| BRK710L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3 | l4  | h1 | h2 | s1 | s2 | k |
|----|----|----|-----|----|----|----|----|---|
| 51 | 28 | 15 | 7,5 | 19 | 14 | 6  | 18 | 2 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



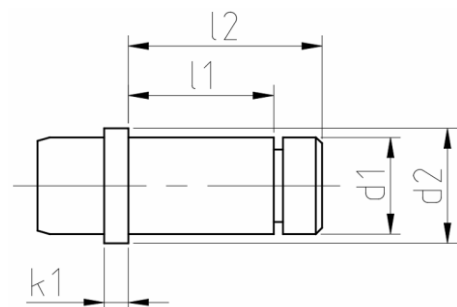
FORM  
"A-B-C"



FORM  
"D-E"

### ADITONAL CODES FOR SPECIAL PRODUCT

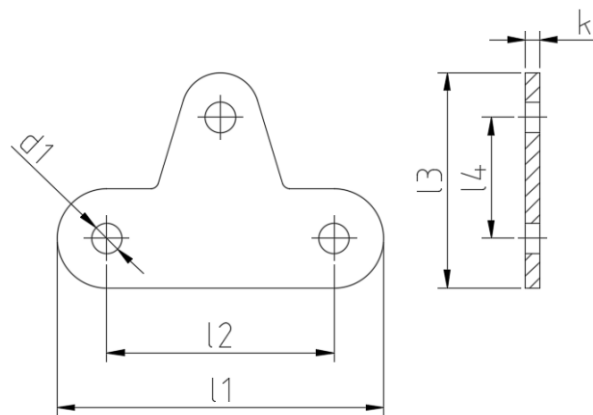
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

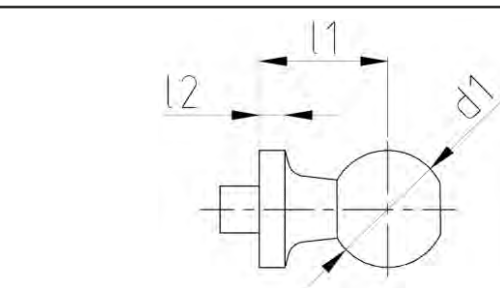
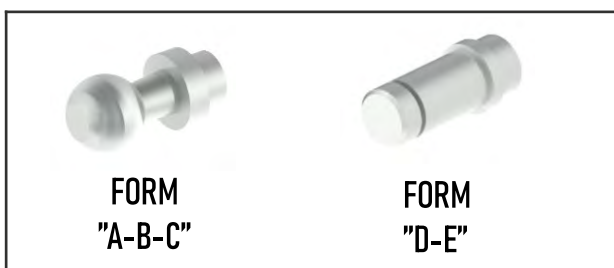
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

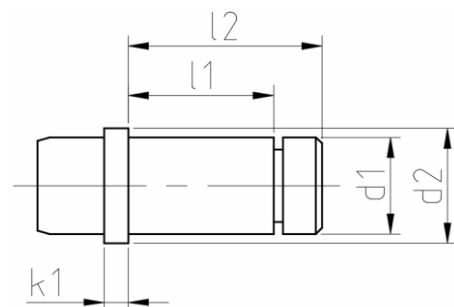


| Code   | Bolt     |
|--------|----------|
| BRK711 | FORM "A" |
| BRK712 | FORM "B" |
| BRK713 | FORM "C" |
| BRK714 | FORM "D" |
| BRK715 | FORM "E" |

| l1 | l2 | l3 | l4   | d1 | k |
|----|----|----|------|----|---|
| 51 | 32 | 32 | 19,5 | 5  | 2 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

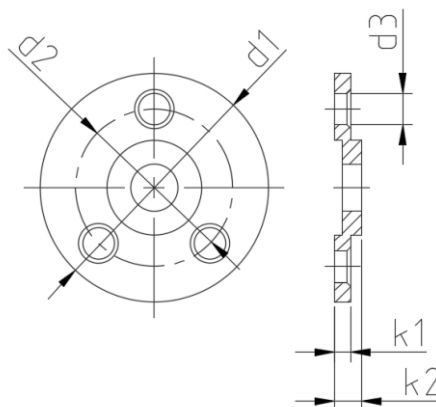


| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

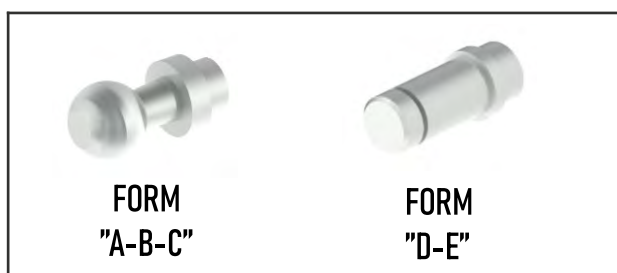
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



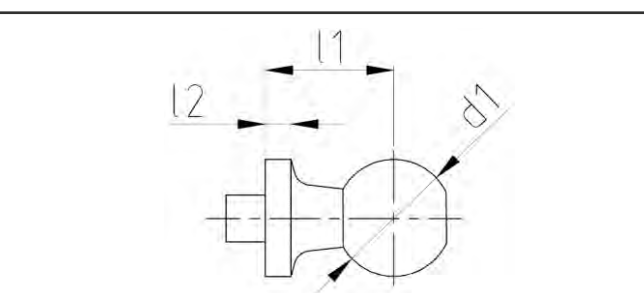
| Code   | Bolt     |
|--------|----------|
| BRK801 | FORM "A" |
| BRK802 | FORM "B" |
| BRK803 | FORM "C" |
| BRK804 | FORM "D" |
| BRK805 | FORM "E" |

| d1 | d2 | d3 | k1 | k2  |
|----|----|----|----|-----|
| 29 | 20 | 4  | 2  | 3,4 |

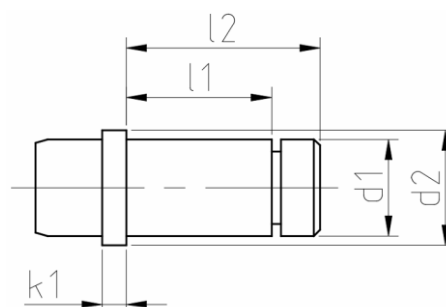


FORM  
"A-B-C"

FORM  
"D-E"



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

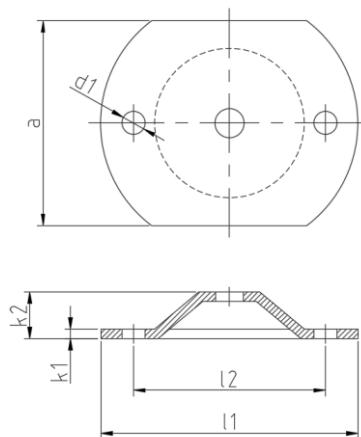


| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

| ADITIONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|-------------------------------------|---------------------------------|------|
| Material                            | AISI 303                        | SS3  |
|                                     | AISI 304                        | SS4  |
|                                     | AISI 316                        | SS16 |
| Plating                             | Zinc Plated/ Yellow Passivation | ZnY  |
|                                     | Zinc Plated/ Black Passivation  | ZnB  |

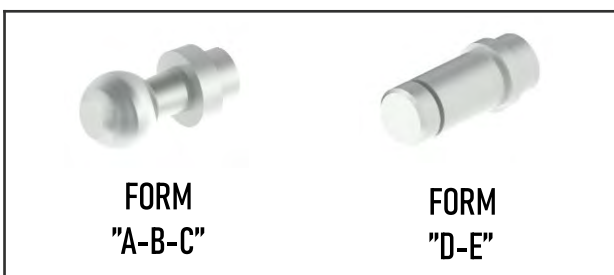
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK901 | FORM "A" |
| BRK902 | FORM "B" |
| BRK903 | FORM "C" |
| BRK904 | FORM "D" |
| BRK905 | FORM "E" |

| l1 | l2 | a  | k1 | k2 | d1  |
|----|----|----|----|----|-----|
| 55 | 41 | 44 | 2  | 7  | 6,5 |



FORM  
"A-B-C"

FORM  
"D-E"

| ADITIONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|-------------------------------------|---------------------------------|------|
| Material                            | AISI 303                        | SS3  |
|                                     | AISI 304                        | SS4  |
|                                     | AISI 316                        | SS16 |
| Plating                             | Zinc Plated/ Yellow Passivation | ZnY  |
|                                     | Zinc Plated/ Black Passivation  | ZnB  |

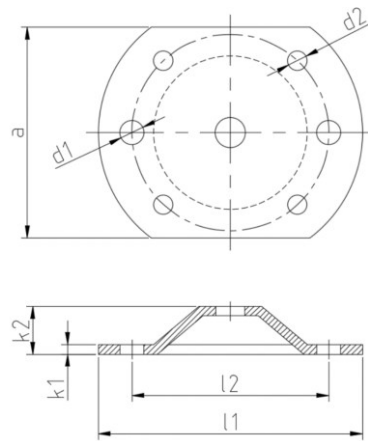
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

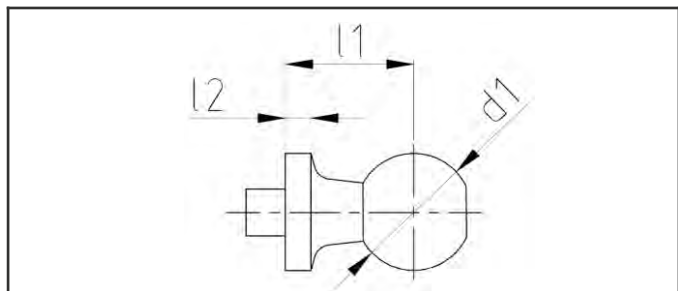
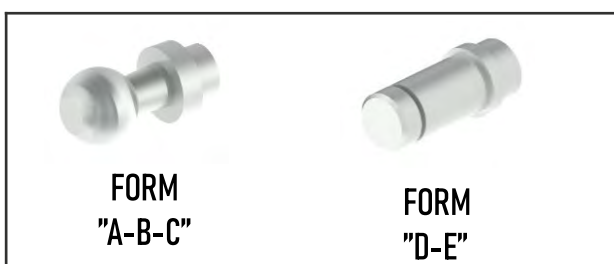
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

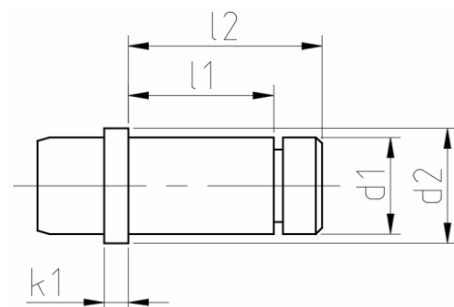


| Code   | Bolt     |
|--------|----------|
| BRK906 | FORM "A" |
| BRK907 | FORM "B" |
| BRK908 | FORM "C" |
| BRK909 | FORM "D" |
| BRK910 | FORM "E" |

| l1 | l2 | a  | k1 | k2 | d1  | d2  |
|----|----|----|----|----|-----|-----|
| 55 | 41 | 44 | 2  | 7  | 6,5 | 4,3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

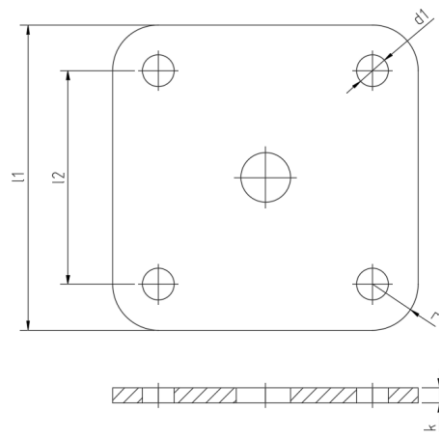


| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

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## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK920 | FORM "A" |
| BRK930 | FORM "B" |

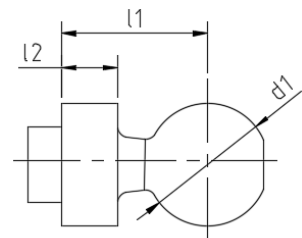
| l1 | l2 | d1   | r  | k   |
|----|----|------|----|-----|
| 50 | 35 | Ø5,2 | R7 | 2,5 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



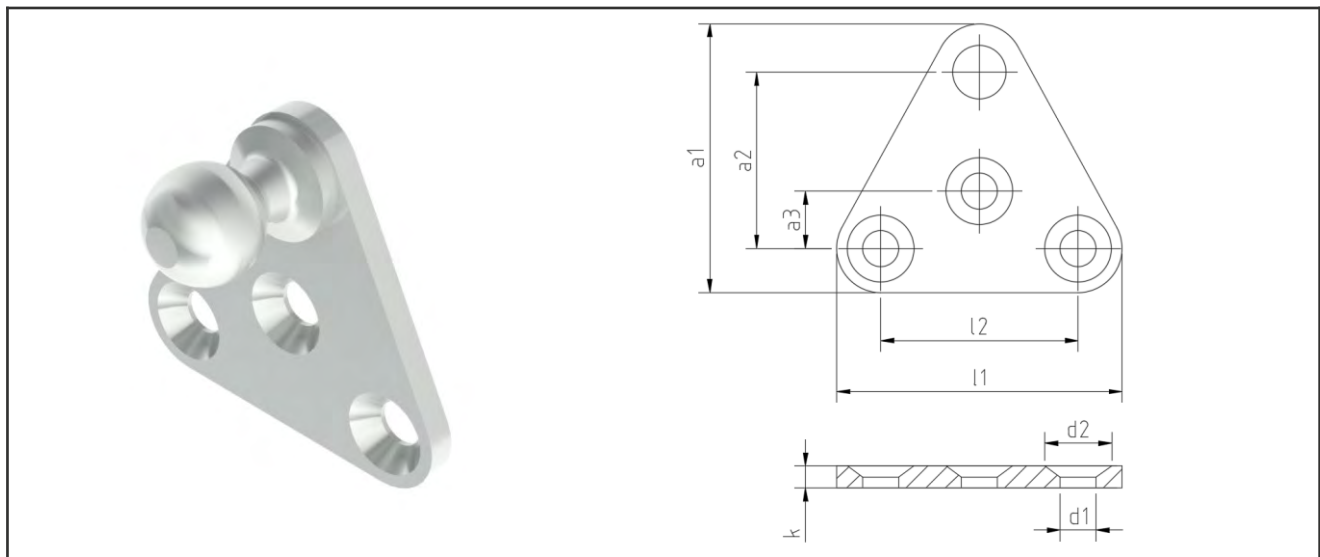
FORM  
"A"



| Code     | l1   | l2 | d1  |
|----------|------|----|-----|
| FORM "A" | 12,5 | 5  | Ø10 |
| FORM "B" | 15,5 | 6  | Ø13 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

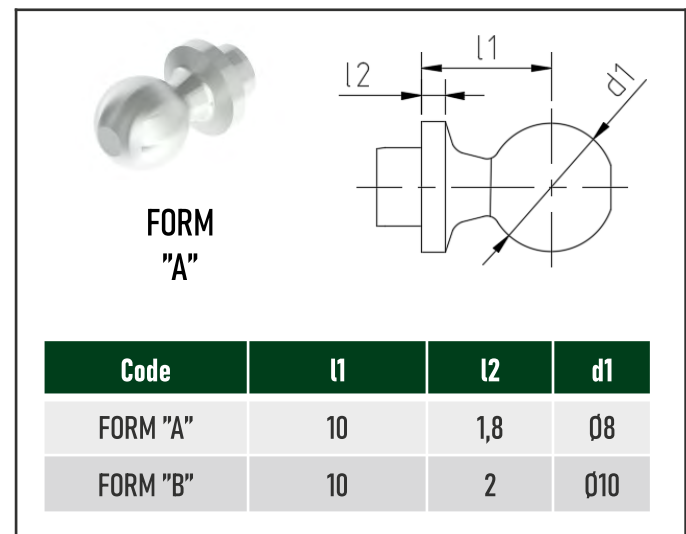
## BRACKET



| Code   | Bolt     |
|--------|----------|
| BRK940 | FORM "A" |
| BRK950 | FORM "B" |

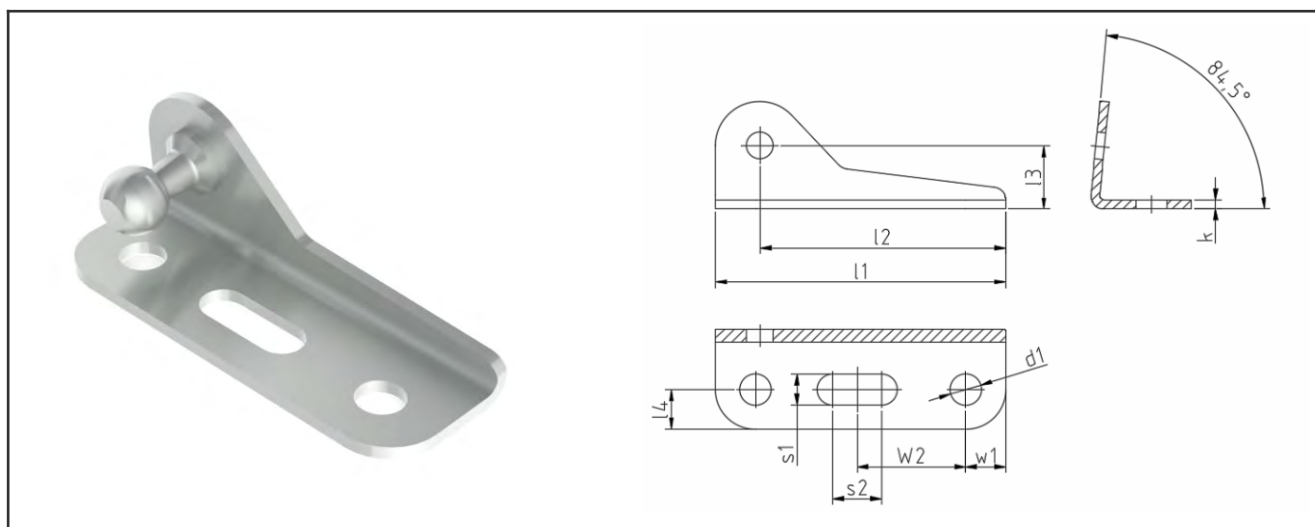
| a1   | a2 | a3  | l1 | l2   | d1  | d2 | k   |
|------|----|-----|----|------|-----|----|-----|
| 30,5 | 20 | 6,5 | 33 | 22,5 | 7,5 | 4  | 2,5 |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



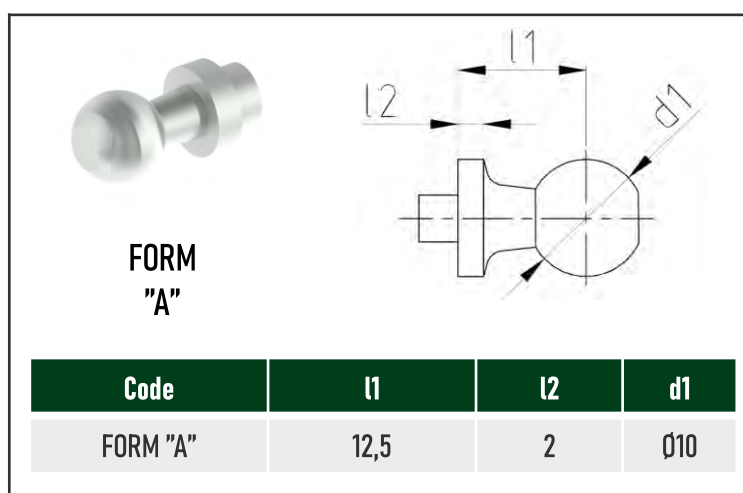
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



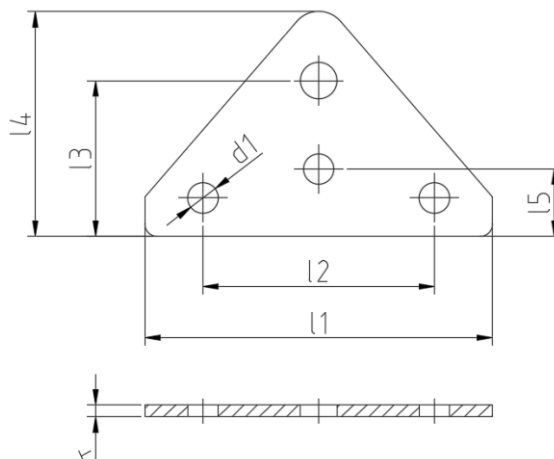
| Code     | Bolt     | Mounting Side | l1   | l2   | l3 | l4 | s1 | s2 | w1 | w2   | d1 | k |
|----------|----------|---------------|------|------|----|----|----|----|----|------|----|---|
| BRK1101L | FORM "A" | LEFT-OUTSIDE  | 69,5 | 55,5 | 15 | 9  | 7  | 11 | 10 | 24,5 | 7  | 2 |
| BRK1101R | FORM "A" | RIGHT-INSIDE  |      |      |    |    |    |    |    |      |    |   |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     |
|---------|----------|
| BRK1102 | FORM "A" |
| BRK1103 | FORM "B" |
| BRK1104 | FORM "C" |

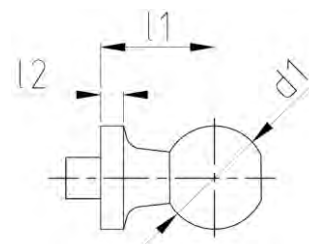
| $l_1$ | $l_2$ | $l_3$ | $l_4$ | $l_5$ | $d_1$ | $k$ |
|-------|-------|-------|-------|-------|-------|-----|
| 57,15 | 38    | 25,5  | 36,8  | 11    | 5,5   | 3   |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



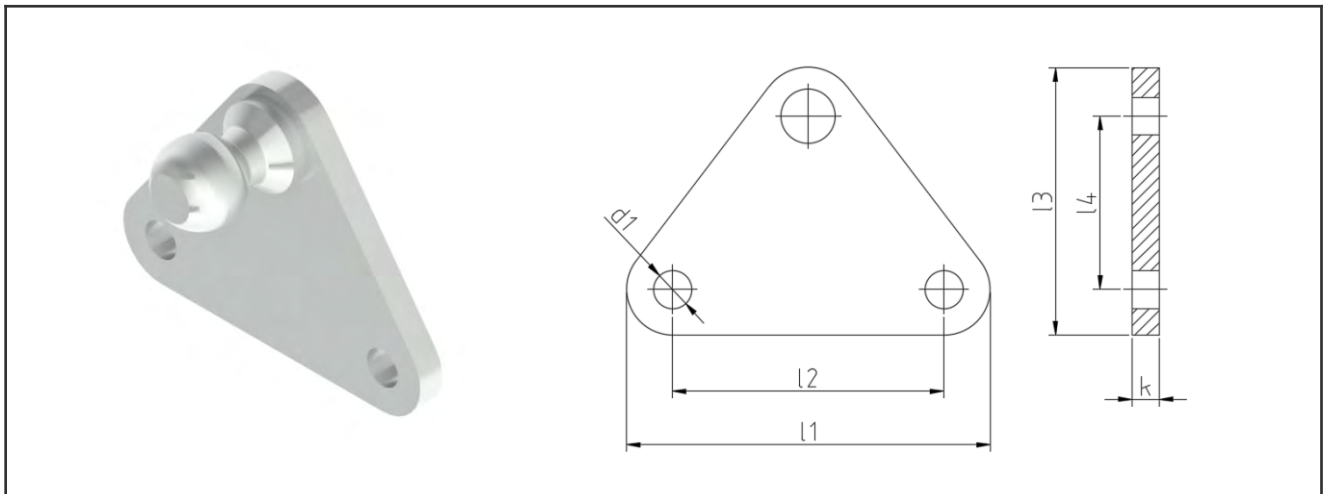
FORM  
"A-B-C"



| Code     | $l_1$ | $l_2$ | $d_1$ |
|----------|-------|-------|-------|
| FORM "A" | 11    | 2     | Ø8    |
| FORM "B" | 12,5  | 2,2   | Ø10   |
| FORM "C" | 13    | 2,4   | Ø13   |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

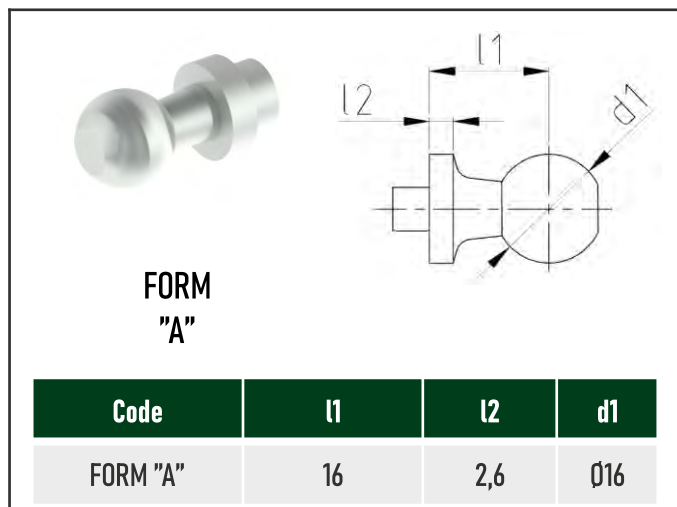
## BRACKET



| Code    | Bolt     |
|---------|----------|
| BRK1105 | FORM "A" |

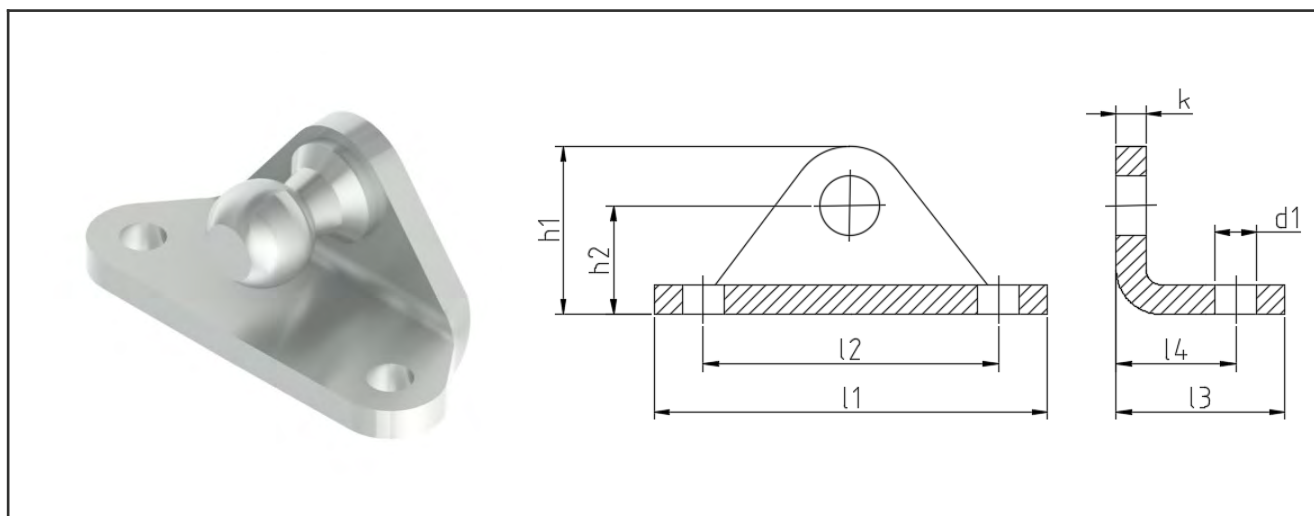
| l1 | l2 | l3 | l4 | d1  | k |
|----|----|----|----|-----|---|
| 66 | 50 | 50 | 32 | 7,1 | 5 |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



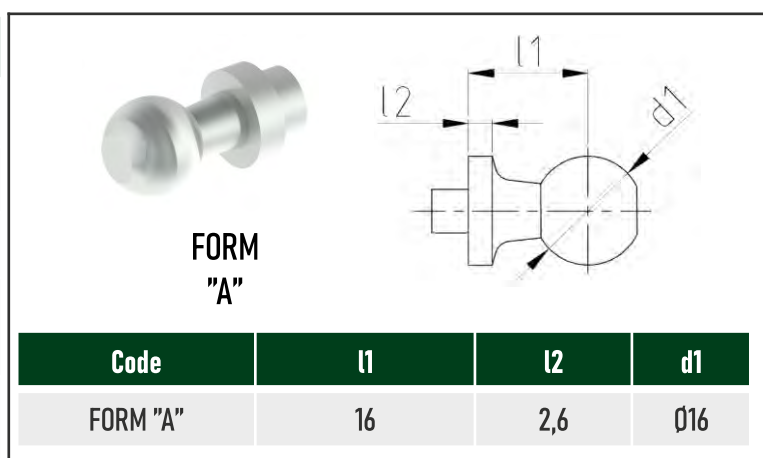
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



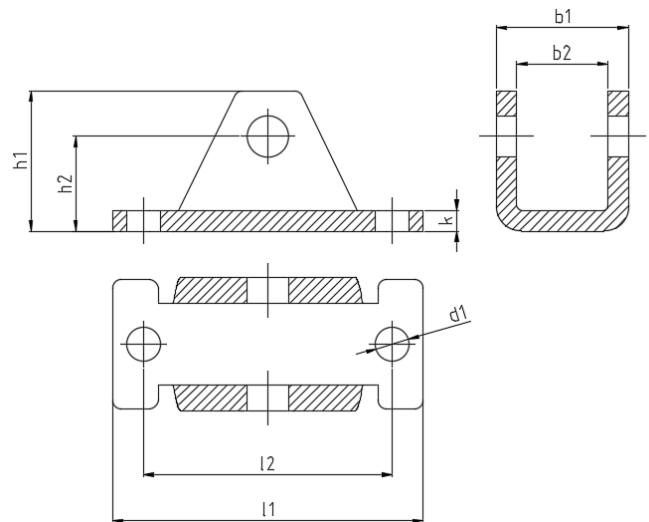
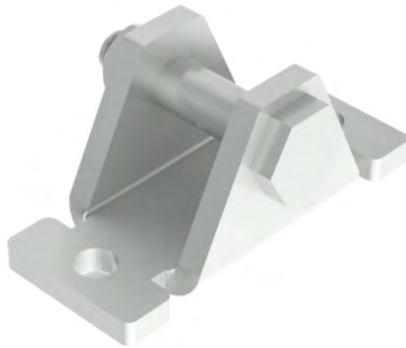
| Code     | Bolt     | Mounting Side | l1 | l2 | l3 | l4   | h1 | h2 | d1  | k |
|----------|----------|---------------|----|----|----|------|----|----|-----|---|
| BRK1105R | FORM "A" | RIGHT-INSIDE  | 66 | 50 | 29 | 21,1 | 29 | 19 | 7,1 | 5 |
| BRK1105L | FORM "A" | LEFT-OUTSIDE  |    |    |    |      |    |    |     |   |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



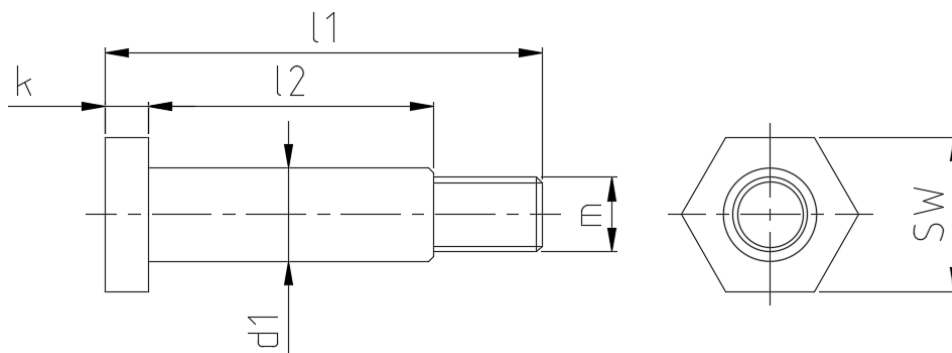
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     | Mounting Side | l1 | l2 | h1   | h2 | b1 | b2 | d1   | k |
|---------|----------|---------------|----|----|------|----|----|----|------|---|
| BRK1106 | FORM "A" | BOLT          | 75 | 60 | 36,5 | 25 | 32 | 22 | Ø8,2 | 5 |

### FORM "A" + WITH HEX-NUT



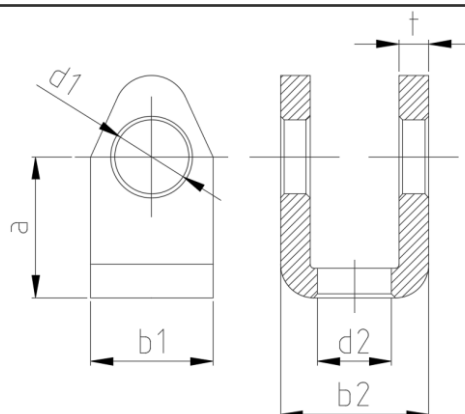
| Code     | l1 | l2   | d1 | m  | k   | SW |
|----------|----|------|----|----|-----|----|
| FORM "A" | 47 | 30,5 | 10 | M8 | 4,7 | 17 |

#### ADITONAL CODES FOR SPECIAL PRODUCT

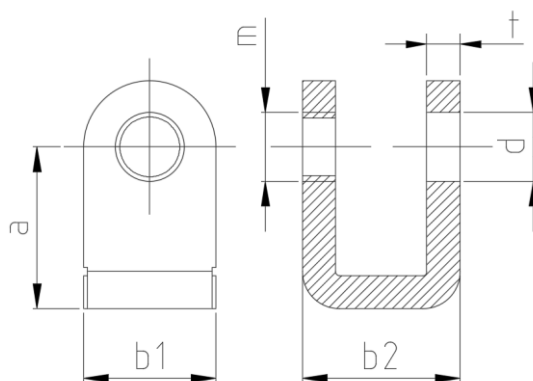
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

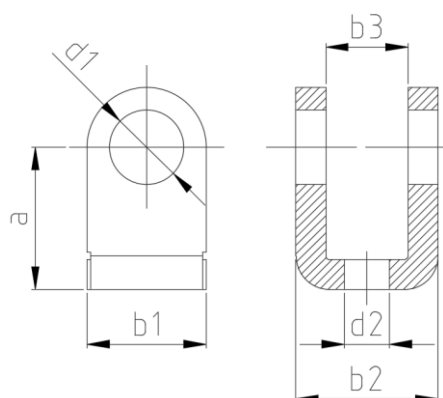
## ZAMAC BRACKET



| Code    | a  | B1   | B2 | d1  | d2  | t |
|---------|----|------|----|-----|-----|---|
| BRK1108 | 19 | 16,5 | 20 | Ø10 | Ø10 | 4 |

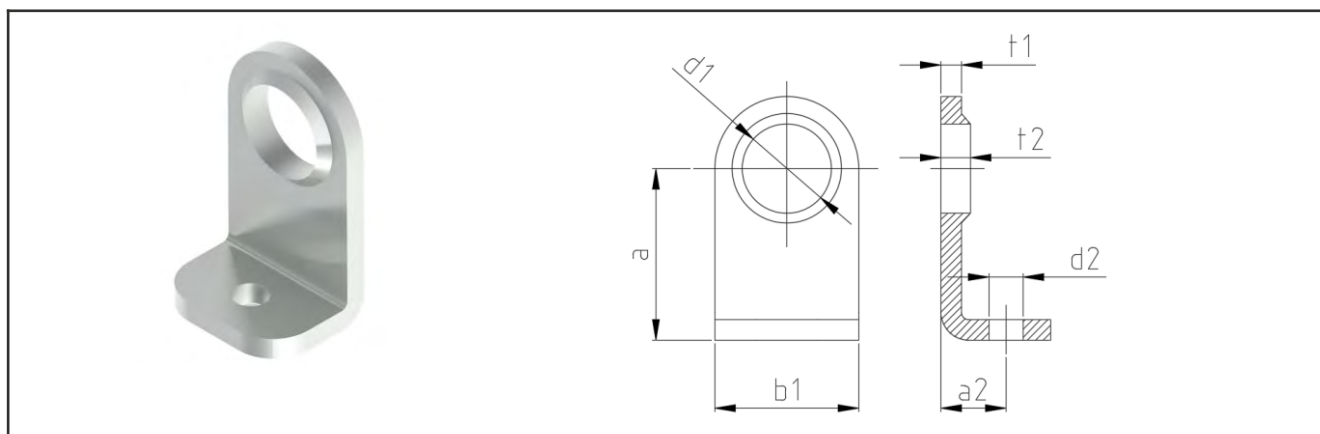


| Code    | a    | b1 | b2 | m  | d    | t |
|---------|------|----|----|----|------|---|
| BRK1109 | 19,5 | 16 | 19 | M8 | Ø8,3 | 4 |

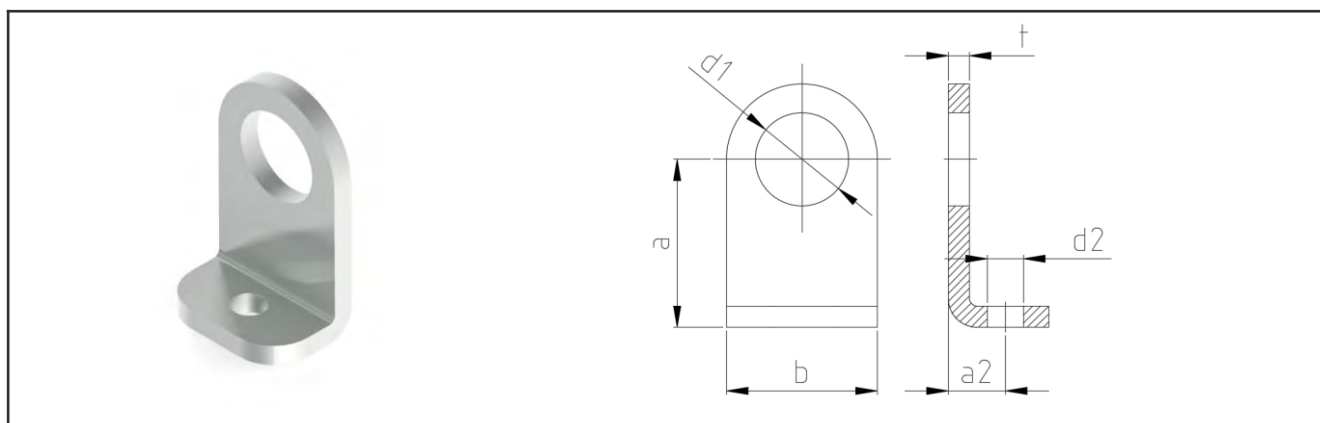


| Code    | a  | b1 | b2 | b3 | d1  | d2 |
|---------|----|----|----|----|-----|----|
| BRK1110 | 19 | 16 | 19 | 11 | Ø10 | Ø6 |

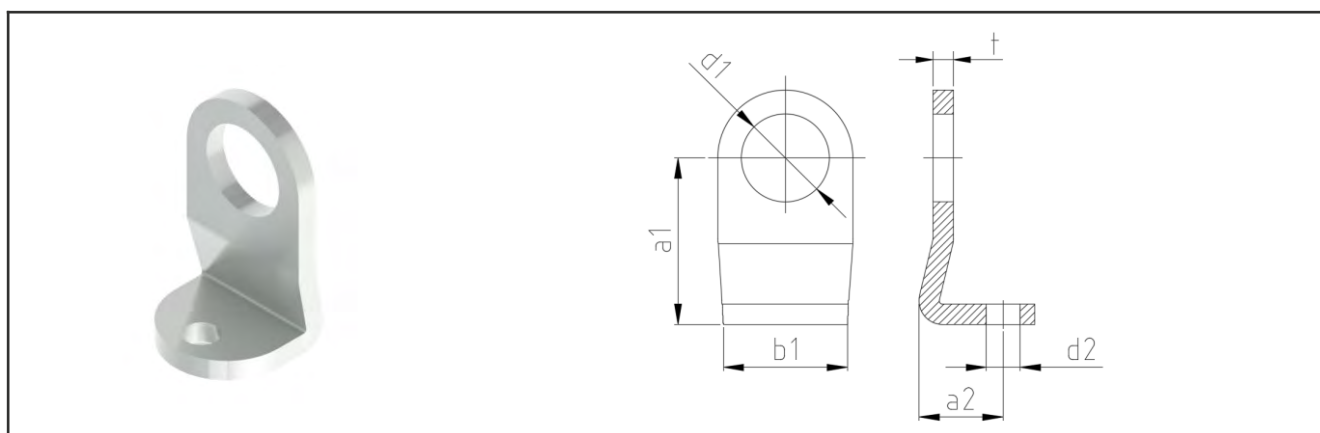
## ZAMAC BRACKET



| Code    | a    | a2  | b1 | d1  | d2 | t1 | t2  |
|---------|------|-----|----|-----|----|----|-----|
| BRK1111 | 25,1 | 9,5 | 21 | Ø13 | Ø5 | 3  | 4,3 |

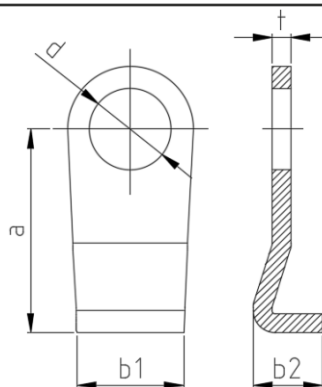


| Code    | a    | a2 | b  | d1  | d2 | t |
|---------|------|----|----|-----|----|---|
| BRK1112 | 23,5 | 8  | 21 | Ø13 | Ø5 | 3 |

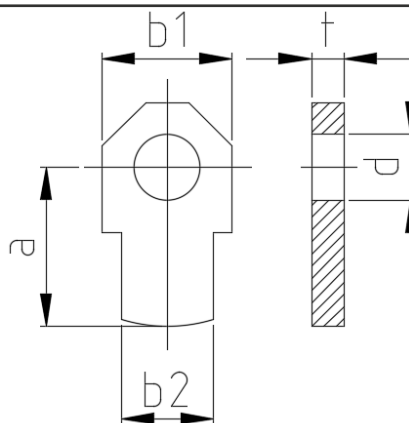


| Code    | a    | a2   | b1   | d1  | d2 | t |
|---------|------|------|------|-----|----|---|
| BRK1113 | 24,6 | 12,4 | 18,3 | Ø13 | Ø5 | 5 |

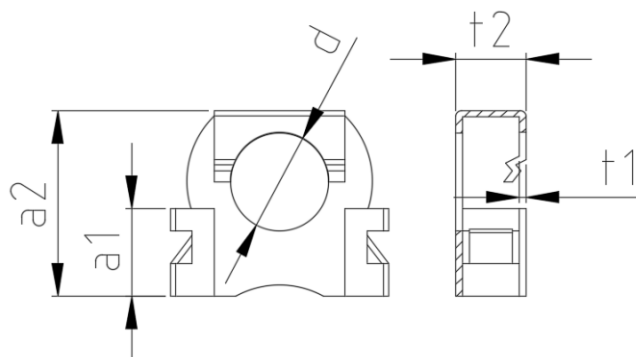
## ZAMAC BRACKET



| Code    | a    | b1 | b2 | d   | t |
|---------|------|----|----|-----|---|
| BRK1114 | 32,5 | 17 | 11 | Ø13 | 3 |

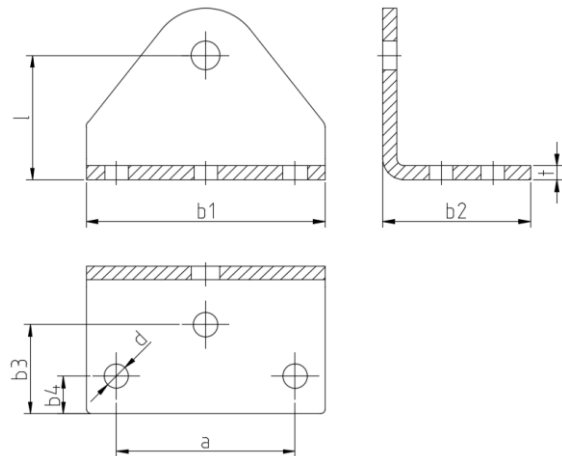


| Code    | a    | b1 | b2  | d    | t |
|---------|------|----|-----|------|---|
| BRK1115 | 14,7 | 12 | 8,5 | Ø6,1 | 3 |



| Code    | a1 | a2 | d  | t1  | t2  |
|---------|----|----|----|-----|-----|
| BRK1116 | 8  | 17 | Ø9 | 0,6 | 6,4 |

## BRACKET



| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK1117R | FORM "A" | RIGHT-INSIDE  |
| BRK1117L | FORM "A" | LEFT-OUTSIDE  |
| BRK1118R | FORM "B" | RIGHT-INSIDE  |
| BRK1118L | FORM "B" | LEFT-OUTSIDE  |
| BRK1119R | FORM "C" | RIGHT-INSIDE  |
| BRK1119L | FORM "C" | LEFT-OUTSIDE  |
| BRK1120R | FORM "D" | RIGHT-INSIDE  |
| BRK1120L | FORM "D" | LEFT-OUTSIDE  |
| BRK1121R | FORM "E" | RIGHT-INSIDE  |
| BRK1121L | FORM "E" | LEFT-OUTSIDE  |



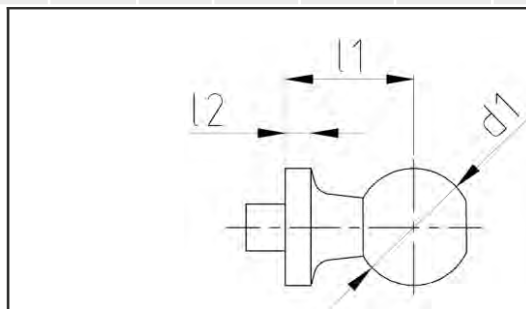
FORM  
"A-B-C"



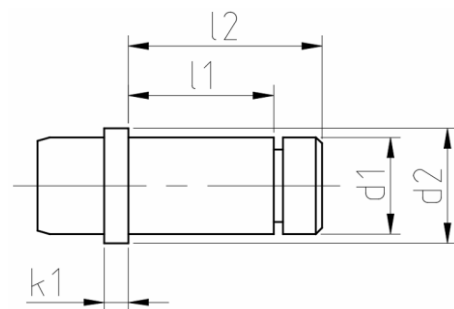
FORM  
"D-E"

### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



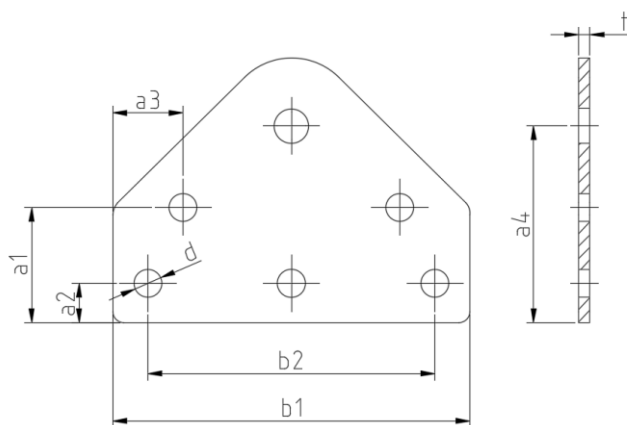
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

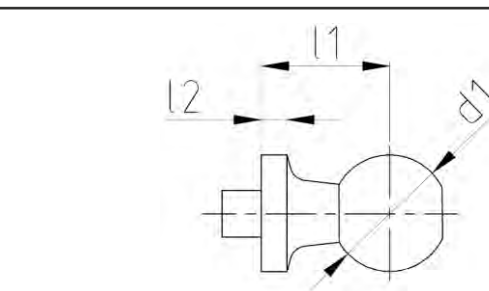
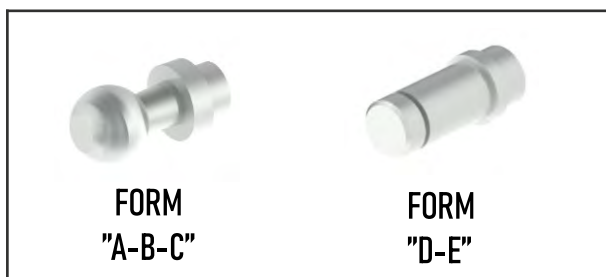
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

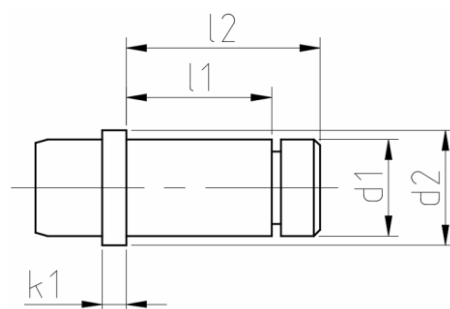


| Code    | Bolt     |
|---------|----------|
| BRK1122 | FORM "A" |
| BRK1123 | FORM "B" |
| BRK1124 | FORM "C" |
| BRK1125 | FORM "D" |
| BRK1126 | FORM "E" |

| b1   | b2 | a1   | a2 | a3   | a4 | d  | t |
|------|----|------|----|------|----|----|---|
| 63,5 | 51 | 20,5 | 7  | 12,5 | 35 | Ø5 | 2 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

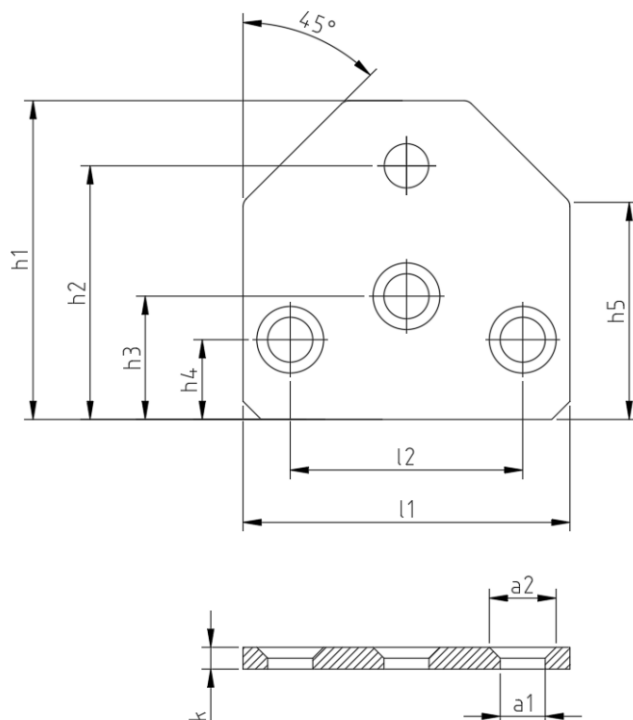


| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

| ADITIONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|-------------------------------------|---------------------------------|------|
| Material                            | AISI 303                        | SS3  |
|                                     | AISI 304                        | SS4  |
|                                     | AISI 316                        | SS16 |
| Plating                             | Zinc Plated/ Yellow Passivation | ZnY  |
|                                     | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     |
|---------|----------|
| BRK1130 | FORM "A" |

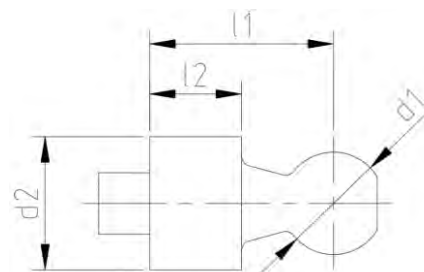
| h1 | h2 | h3 | h4 | h5 | l1 | l2 | a1  | a2   | k |
|----|----|----|----|----|----|----|-----|------|---|
| 44 | 35 | 17 | 11 | 30 | 45 | 32 | 6,2 | 11,5 | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



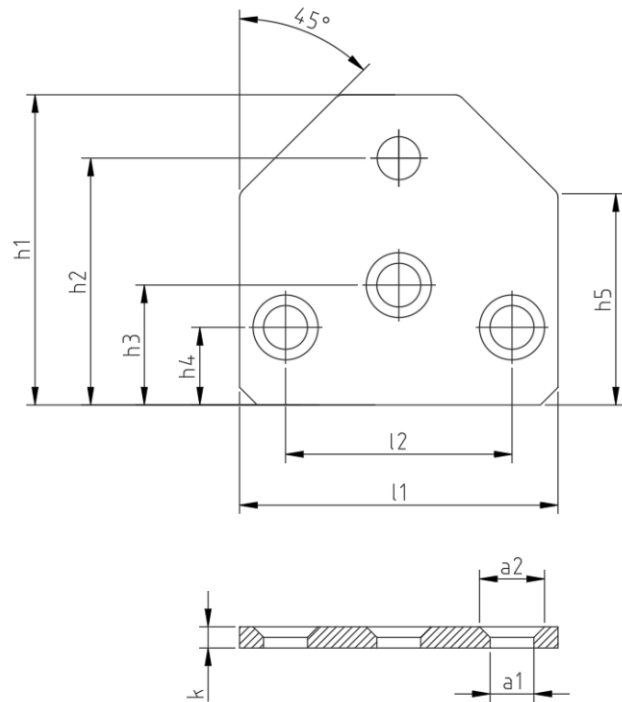
FORM  
"A"



| Code     | l1 | l2 | d1  | d2  |
|----------|----|----|-----|-----|
| FORM "A" | 18 | 9  | Ø10 | Ø14 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



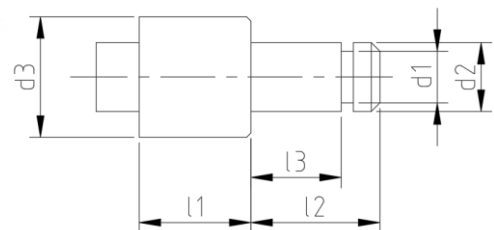
| Code    | Bolt     | h1 | h2 | h3 | h4 | h5 | l1 | l2 | a1  | a2   | k |
|---------|----------|----|----|----|----|----|----|----|-----|------|---|
| BRK1135 | FORM "B" | 44 | 35 | 17 | 11 | 30 | 45 | 32 | 6,2 | 11,5 | 3 |

### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                |      |
|----------|--------------------------------|------|
| Material | AISI 303                       | SS3  |
|          | AISI 304                       | SS4  |
|          | AISI 316                       | SS16 |
| Plating  | Zinc Plated/Yellow Passivation | ZnY  |
|          | Zinc Plated/Black Passivation  | ZnB  |



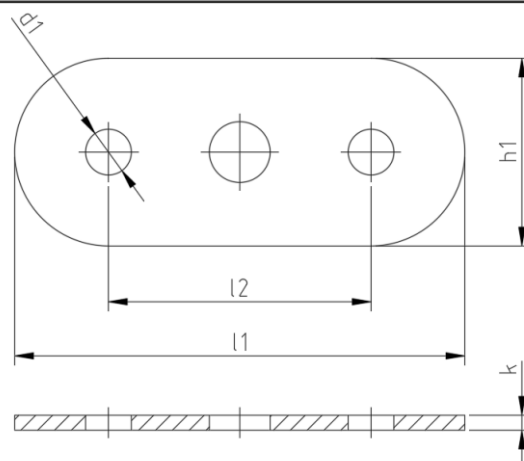
FORM  
"B"



| Code     | l1 | l2 | l3   | d1 | d2   | d3  |
|----------|----|----|------|----|------|-----|
| FORM "B" | 13 | 15 | 10,5 | Ø6 | Ø7,8 | Ø14 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code    | Bolt     |
|---------|----------|
| BRK1140 | FORM "A" |
| BRK1141 | FORM "B" |
| BRK1142 | FORM "C" |
| BRK1143 | FORM "D" |
| BRK1144 | FORM "E" |

| h1 | l1 | l2 | d1   | k |
|----|----|----|------|---|
| 25 | 60 | 35 | Ø6,1 | 2 |

### ADITONAL CODES FOR SPECIAL PRODUCT

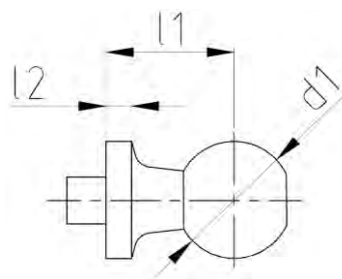
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



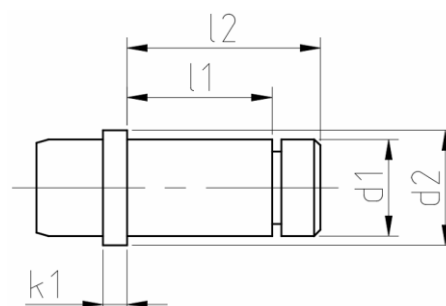
FORM  
"A-B-C"



FORM  
"D-E"



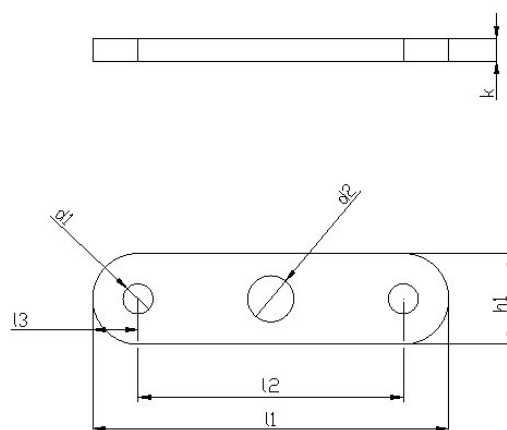
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

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## BRACKET



| Code    | Bolt     |
|---------|----------|
| BRK1145 | FORM "A" |
| BRK1146 | FORM "B" |
| BRK1147 | FORM "C" |
| BRK1148 | FORM "D" |
| BRK1149 | FORM "E" |

| h1 | l1 | l2 | l3 | d1   | k |
|----|----|----|----|------|---|
| 25 | 60 | 35 | 6  | Ø6,1 | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

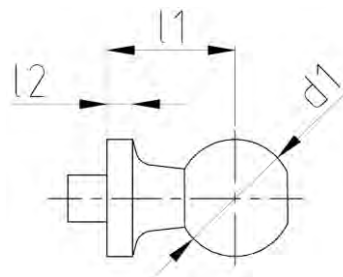
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



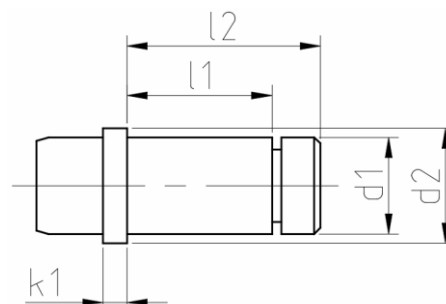
FORM  
"A-B-C"



FORM  
"D-E"



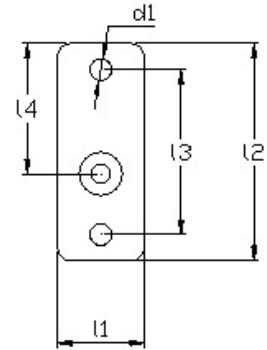
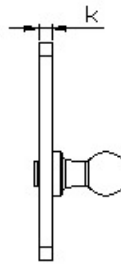
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt     |
|-----------|----------|
| BRK1149-0 | FORM "A" |
| BRK1149-1 | FORM "B" |
| BRK1149-2 | FORM "C" |
| BRK1149-3 | FORM "D" |
| BRK1149-4 | FORM "E" |

| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

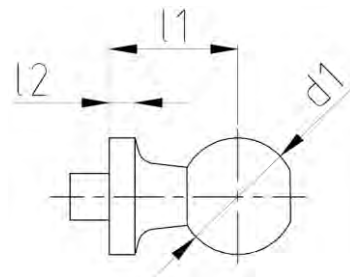


FORM  
"A-B-C"

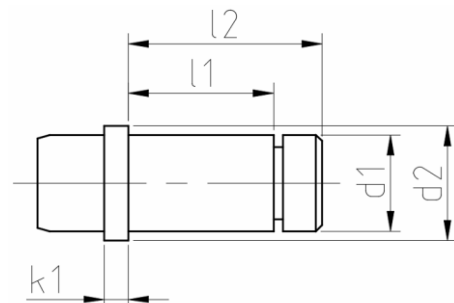


FORM  
"D-E"

| l1 | l2 | l3 | l4 | d1 | k |
|----|----|----|----|----|---|
| 20 | 50 | 38 | 30 | M6 | 3 |



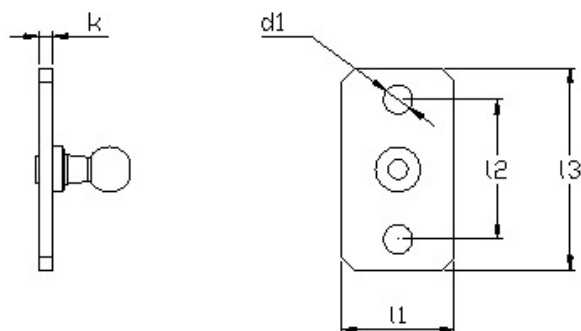
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt     |
|-----------|----------|
| BRK1149-5 | FORM "A" |
| BRK1149-6 | FORM "B" |
| BRK1149-7 | FORM "C" |
| BRK1149-8 | FORM "D" |
| BRK1149-9 | FORM "E" |

### ADITIONAL CODES FOR SPECIAL PRODUCT

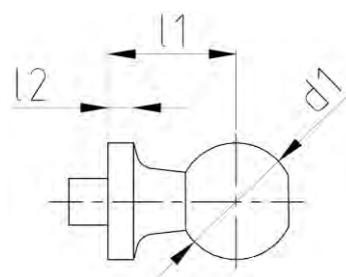
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



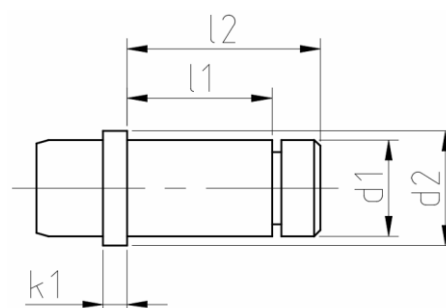
FORM  
"A-B-C"



FORM  
"D-E"



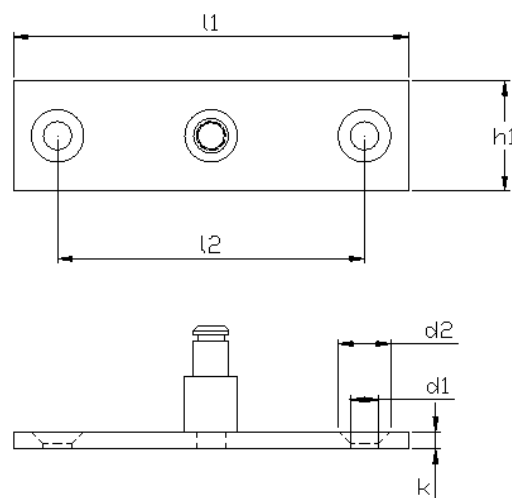
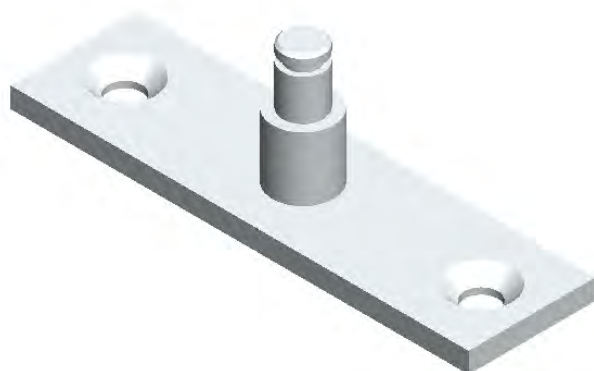
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code       | Bolt     |
|------------|----------|
| SPRT7081-1 | FORM "A" |
| SPRT7081-2 | FORM "B" |
| SPRT7081-3 | FORM "C" |
| SPRT7080   | FORM "D" |

| l1 | l2 | h1 | d1   | d2  | k |
|----|----|----|------|-----|---|
| 90 | 70 | 25 | Ø6,5 | Ø12 | 4 |

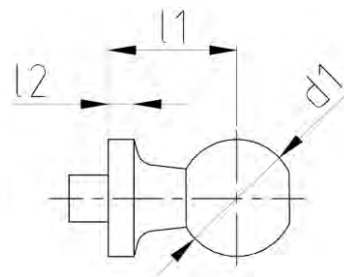
| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |



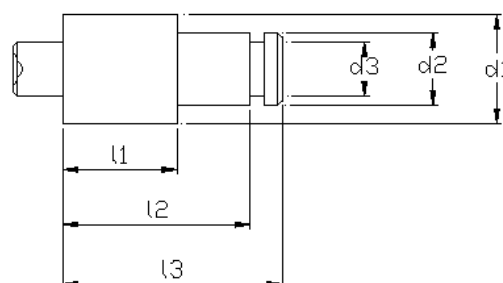
FORM  
"A-B-C"



FORM  
"D"



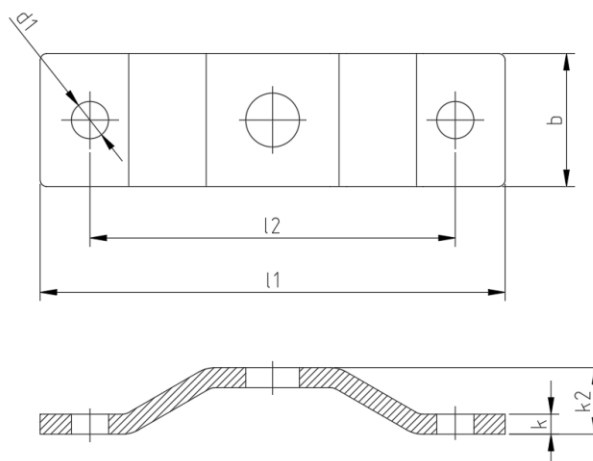
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1  | d2 | d3 | l1   | l2   | l3 |
|----------|-----|----|----|------|------|----|
| FORM "D" | Ø12 | Ø8 | Ø6 | 12,5 | 20,5 | 24 |

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## BRACKET



| Code    | Bolt     | l1 | l2 | b  | d1   | k1 | k2 |
|---------|----------|----|----|----|------|----|----|
| BRK1150 | FORM "A" | 70 | 55 | 20 | Ø5,5 | 3  | 10 |
| BRK1151 | FORM "B" |    |    |    |      |    |    |
| BRK1152 | FORM "C" |    |    |    |      |    |    |
| BRK1153 | FORM "D" |    |    |    |      |    |    |
| BRK1154 | FORM "E" |    |    |    |      |    |    |

### ADITONAL CODES FOR SPECIAL PRODUCT

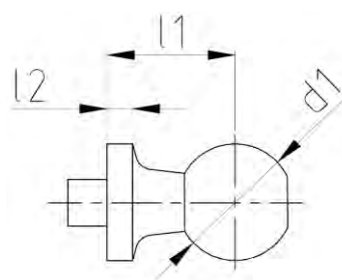
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



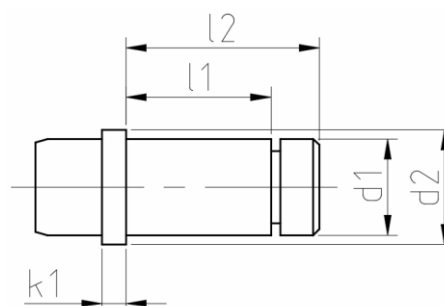
FORM  
"A-B-C"



FORM  
"D-E"



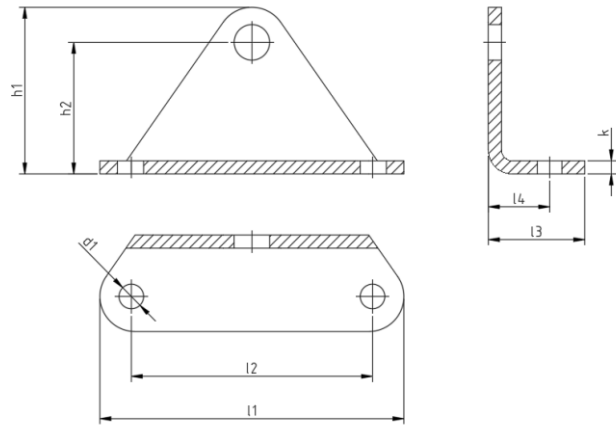
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

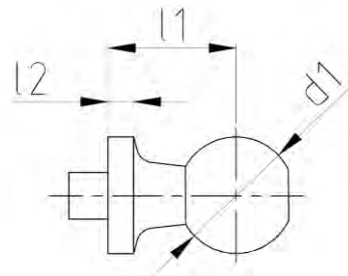
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

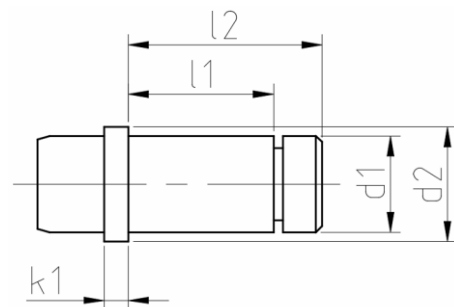


| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK1160R | FORM "A" | RIGHT-INSIDE  |
| BRK1160L | FORM "A" | LEFT-OUTSIDE  |
| BRK1161R | FORM "B" | RIGHT-INSIDE  |
| BRK1161L | FORM "B" | LEFT-OUTSIDE  |
| BRK1162R | FORM "C" | RIGHT-INSIDE  |
| BRK1162L | FORM "C" | LEFT-OUTSIDE  |
| BRK1163R | FORM "D" | RIGHT-INSIDE  |
| BRK1163L | FORM "D" | LEFT-OUTSIDE  |
| BRK1164R | FORM "E" | RIGHT-INSIDE  |
| BRK1164L | FORM "E" | LEFT-OUTSIDE  |

| h1 | h2 | l1 | l2 | l3 | l4 | d1   | k |
|----|----|----|----|----|----|------|---|
| 38 | 30 | 69 | 55 | 22 | 14 | Ø5,6 | 3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



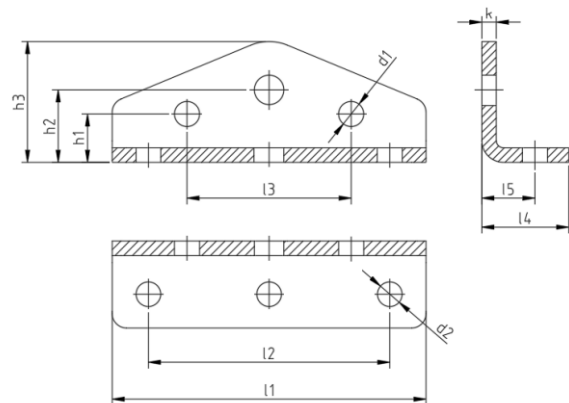
FORM  
"A-B-C"



FORM  
"D-E"

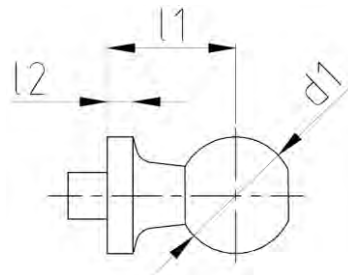
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET

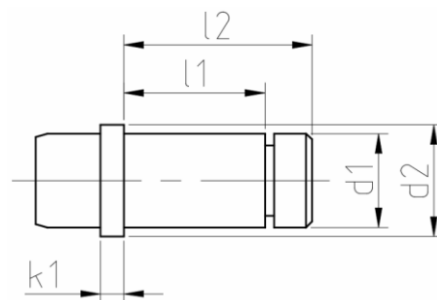


| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK1170R | FORM "A" | RIGHT-INSIDE  |
| BRK1170L | FORM "A" | LEFT-OUTSIDE  |
| BRK1171R | FORM "B" | RIGHT-INSIDE  |
| BRK1171L | FORM "B" | LEFT-OUTSIDE  |
| BRK1172R | FORM "C" | RIGHT-INSIDE  |
| BRK1172L | FORM "C" | LEFT-OUTSIDE  |
| BRK1173R | FORM "D" | RIGHT-INSIDE  |
| BRK1173L | FORM "D" | LEFT-OUTSIDE  |
| BRK1174R | FORM "E" | RIGHT-INSIDE  |
| BRK1174L | FORM "E" | LEFT-OUTSIDE  |

| h1 | h2 | h3 | l1 | l2 | l3 | l4 | l5 | d1   | d2   | k |
|----|----|----|----|----|----|----|----|------|------|---|
| 10 | 15 | 25 | 65 | 50 | 34 | 18 | 11 | Ø5,2 | Ø5,1 | 3 |



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

### ADITIONAL CODES FOR SPECIAL PRODUCT

|         |                                 |      |
|---------|---------------------------------|------|
| Materil | AISI 303                        | SS3  |
|         | AISI 304                        | SS4  |
|         | AISI 316                        | SS16 |
| Plating | Zinc Plated/ Yellow Passivation | ZnY  |
|         | Zinc Plated/ Black Passivation  | ZnB  |



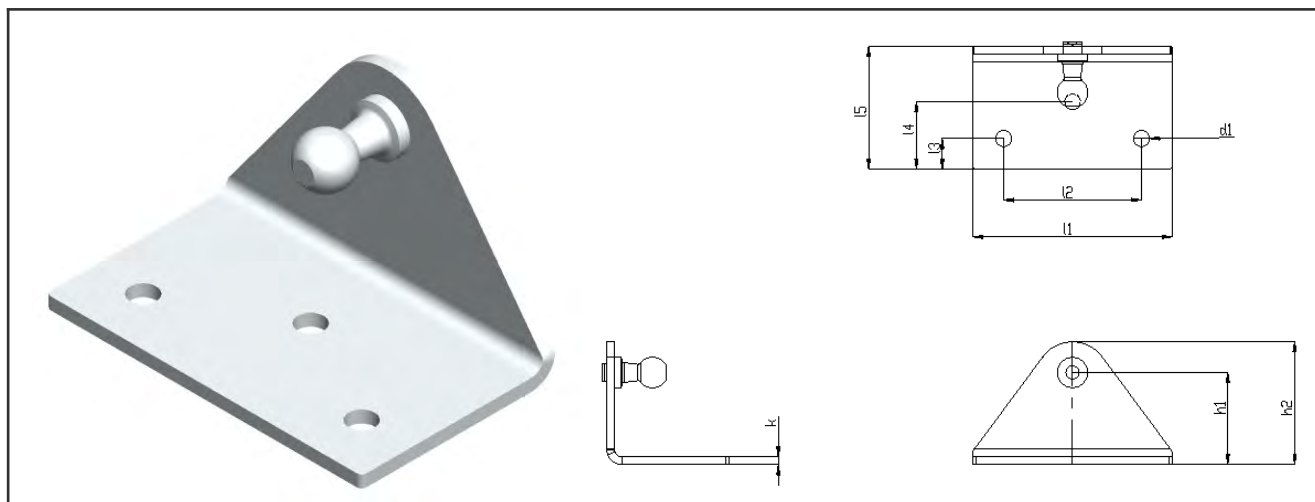
FORM  
"A-B-C"



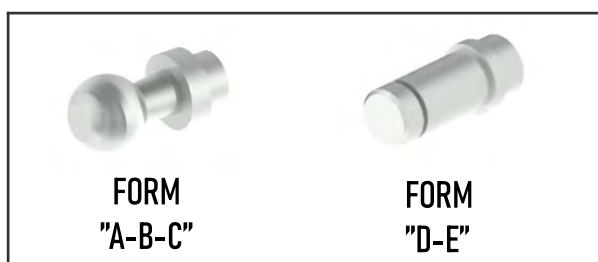
FORM  
"D-E"

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code     | Bolt     | Mounting Side | l1 | l2 | l3 | l4 | l5 | h1 | h2 | d1   | k   |
|----------|----------|---------------|----|----|----|----|----|----|----|------|-----|
| BRK1175R | FORM "A" | RIGHT-INSIDE  | 65 | 45 | 10 | 22 | 40 | 30 | 40 | Ø5,3 | 2,5 |
| BRK1175L | FORM "A" | LEFT-OUTSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1176R | FORM "B" | RIGHT-INSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1176L | FORM "B" | LEFT-OUTSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1177R | FORM "C" | RIGHT-INSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1177L | FORM "C" | LEFT-OUTSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1178R | FORM "D" | RIGHT-INSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1178L | FORM "D" | LEFT-OUTSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1179R | FORM "E" | RIGHT-INSIDE  |    |    |    |    |    |    |    |      |     |
| BRK1179L | FORM "E" | LEFT-OUTSIDE  |    |    |    |    |    |    |    |      |     |



| ADITONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|------------------------------------|---------------------------------|------|
| Material                           | AISI 303                        | SS3  |
|                                    | AISI 304                        | SS4  |
|                                    | AISI 316                        | SS16 |
| Plating                            | Zinc Plated/ Yellow Passivation | ZnY  |
|                                    | Zinc Plated/ Black Passivation  | ZnB  |

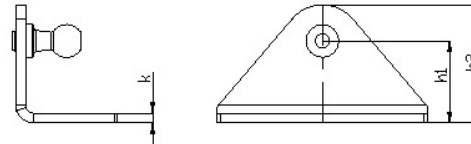
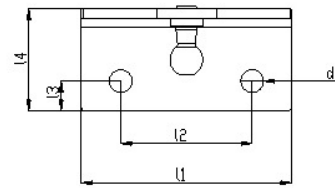
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |

| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

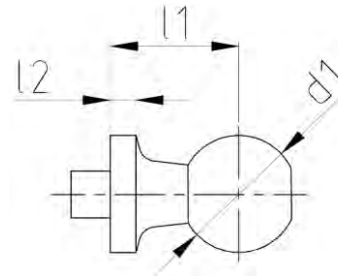
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK1180R | FORM "A" | RIGHT-INSIDE  |
| BRK1180L | FORM "A" | LEFT-OUTSIDE  |
| BRK1181R | FORM "B" | RIGHT-INSIDE  |
| BRK1181L | FORM "B" | LEFT-OUTSIDE  |
| BRK1182R | FORM "C" | RIGHT-INSIDE  |
| BRK1182L | FORM "C" | LEFT-OUTSIDE  |
| BRK1183R | FORM "D" | RIGHT-INSIDE  |
| BRK1183L | FORM "D" | LEFT-OUTSIDE  |
| BRK1184R | FORM "E" | RIGHT-INSIDE  |
| BRK1184L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3 | l4 | h1 | h2 | d1 | k |
|----|----|----|----|----|----|----|---|
| 64 | 40 | 9  | 31 | 25 | 36 | 7  | 3 |



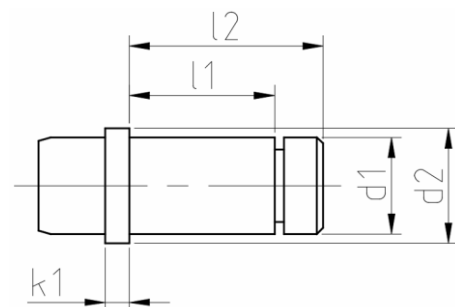
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



FORM  
"A-B-C"



FORM  
"D-E"

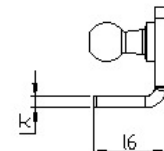
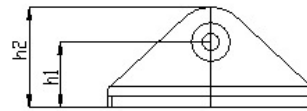
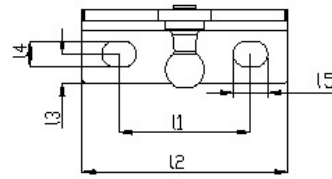
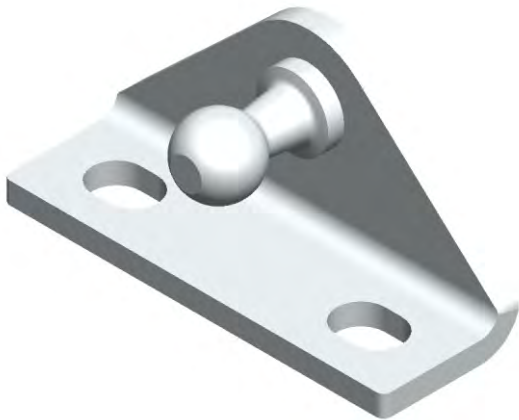


| ADITIONAL CODES FOR SPECIAL PRODUCT |                                 |      |
|-------------------------------------|---------------------------------|------|
| Material                            | AISI 303                        | SS3  |
|                                     | AISI 304                        | SS4  |
|                                     | AISI 316                        | SS16 |
| Plating                             | Zinc Plated/ Yellow Passivation | ZnY  |
|                                     | Zinc Plated/ Black Passivation  | ZnB  |

| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

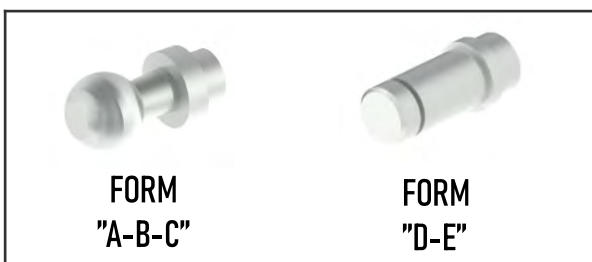
The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK1185R | FORM "A" | RIGHT-INSIDE  |
| BRK1185L | FORM "A" | LEFT-OUTSIDE  |
| BRK1186R | FORM "B" | RIGHT-INSIDE  |
| BRK1186L | FORM "B" | LEFT-OUTSIDE  |
| BRK1187R | FORM "C" | RIGHT-INSIDE  |
| BRK1187L | FORM "C" | LEFT-OUTSIDE  |
| BRK1188R | FORM "D" | RIGHT-INSIDE  |
| BRK1188L | FORM "D" | LEFT-OUTSIDE  |
| BRK1189R | FORM "E" | RIGHT-INSIDE  |
| BRK1189L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3  | l4  | l5 | l6 | h1 | h2 | k |
|----|----|-----|-----|----|----|----|----|---|
| 34 | 53 | 7,5 | 6,7 | 9  | 19 | 17 | 26 | 3 |

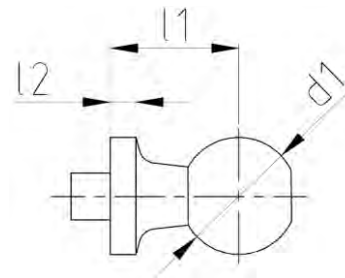


FORM  
"A-B-C"

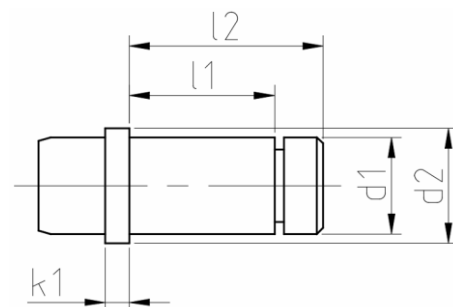
FORM  
"D-E"

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



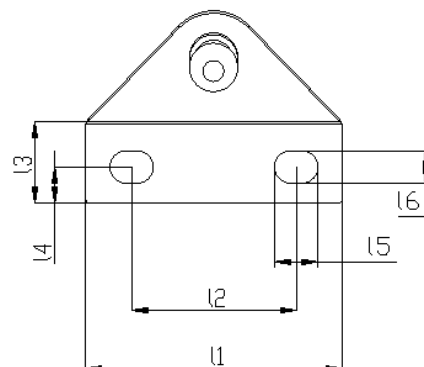
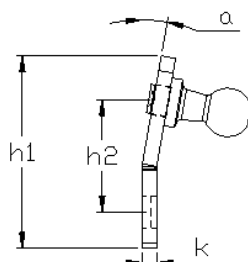
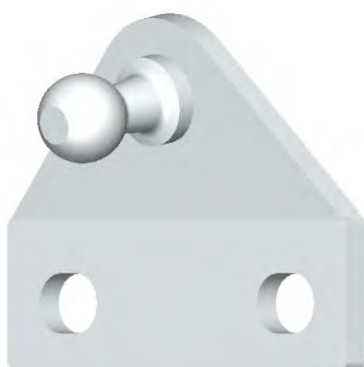
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK1190R | FORM "A" | RIGHT-INSIDE  |
| BRK1190L | FORM "A" | LEFT-OUTSIDE  |
| BRK1191R | FORM "B" | RIGHT-INSIDE  |
| BRK1191L | FORM "B" | LEFT-OUTSIDE  |
| BRK1192R | FORM "C" | RIGHT-INSIDE  |
| BRK1192L | FORM "C" | LEFT-OUTSIDE  |
| BRK1193R | FORM "D" | RIGHT-INSIDE  |
| BRK1193L | FORM "D" | LEFT-OUTSIDE  |
| BRK1194R | FORM "E" | RIGHT-INSIDE  |
| BRK1194L | FORM "E" | LEFT-OUTSIDE  |

| l1 | l2 | l3   | l4  | l5 | l6  | h1   | h2 | k | a   |
|----|----|------|-----|----|-----|------|----|---|-----|
| 53 | 34 | 16,8 | 7,5 | 9  | 6,7 | 39,6 | 23 | 3 | 10° |



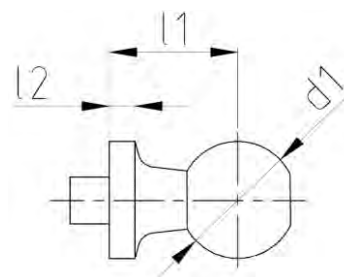
FORM  
"A-B-C"



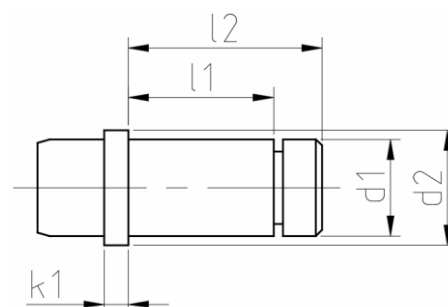
FORM  
"D-E"

### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



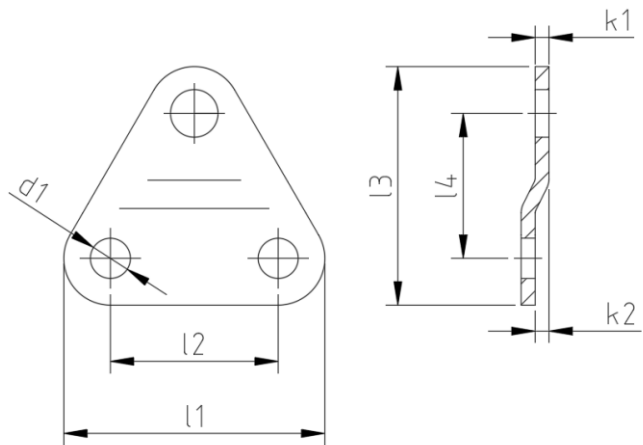
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 13   | 2,4 | Ø13 |



| Code     | d1 | d2  | l1 | l2   | k1 |
|----------|----|-----|----|------|----|
| FORM "D" | Ø6 | Ø8  | 8  | 11   | 2  |
| FORM "E" | Ø8 | Ø10 | 12 | 15,5 | 2  |

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## BRACKET



| Code    | Bolt     |
|---------|----------|
| BRK2010 | FORM "A" |
| BRK2020 | FORM "B" |

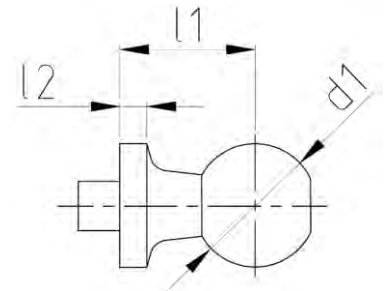
| l1 | l2 | l3   | l4   | d1  | k1  | k2  |
|----|----|------|------|-----|-----|-----|
| 28 | 18 | 25,5 | 15,5 | 4,3 | 1,5 | 2,5 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



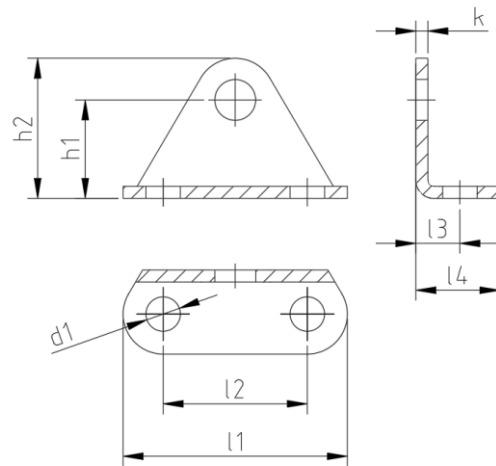
FORM  
"A-B"



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK2030R | FORM "A" | RIGHT-INSIDE  |
| BRK2030L | FORM "A" | LEFT-OUTSIDE  |
| BRK2035R | FORM "B" | RIGHT-INSIDE  |
| BRK2035L | FORM "B" | LEFT-OUTSIDE  |

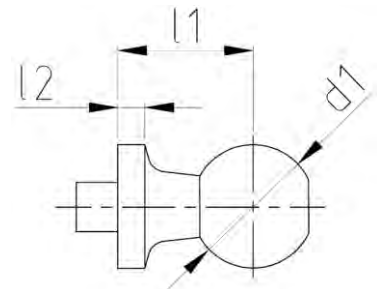
| l1 | l2 | l3  | l4   | h1   | h2   | d1  | k   |
|----|----|-----|------|------|------|-----|-----|
| 28 | 18 | 5,5 | 10,5 | 12,5 | 17,5 | 4,2 | 1,5 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



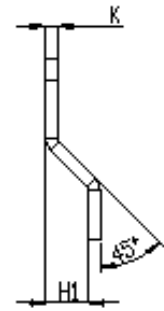
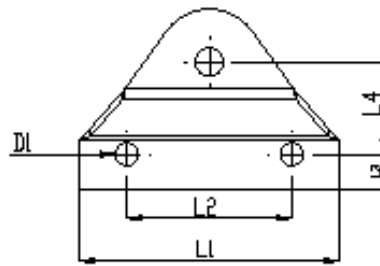
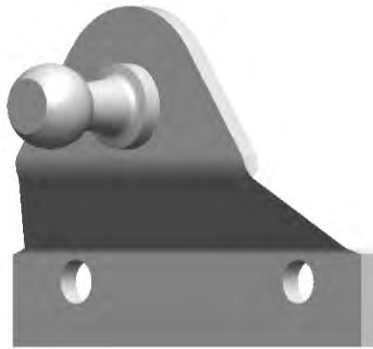
FORM  
"A-B"



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code     | Bolt     | Mounting Side |
|----------|----------|---------------|
| BRK2040R | FORM "A" | RIGHT-INSIDE  |
| BRK2040L | FORM "A" | LEFT-OUTSIDE  |
| BRK2045R | FORM "B" | RIGHT-INSIDE  |
| BRK2045L | FORM "B" | LEFT-OUTSIDE  |
| BRK2050R | FORM "C" | RIGHT-INSIDE  |
| BRK2055L | FORM "C" | LEFT-OUTSIDE  |

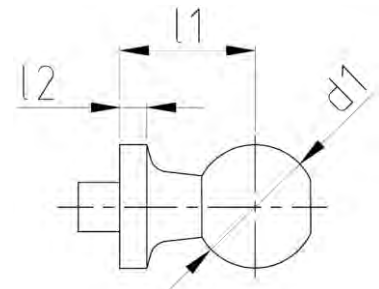
| l1   | l2   | l3  | l4   | h1  | d1  | k   |
|------|------|-----|------|-----|-----|-----|
| 57,2 | 36,5 | 7,6 | 20,4 | 9,5 | 5,1 | 2,5 |

### ADITIONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



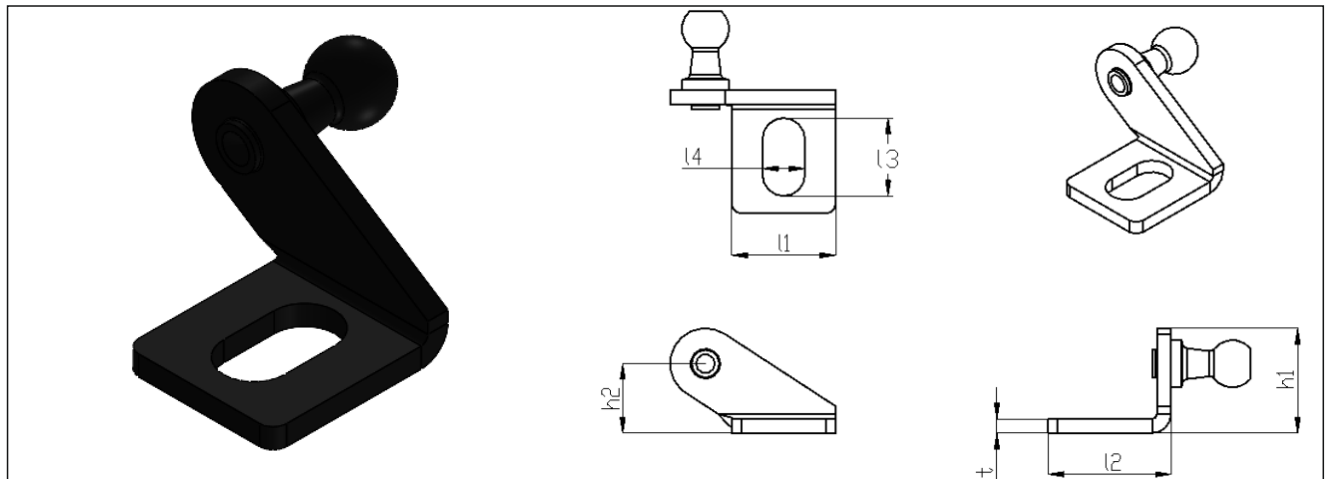
FORM  
"A-B-C"



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |
| FORM "C" | 11   | 2,4 | Ø13 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt     | Mounting Side |
|-----------|----------|---------------|
| BRK-LA1-L | FORM "A" | LEFT-OUTSIDE  |
| BRK-LA1-R | FORM "A" | RIGHT-INSIDE  |
| BRK-LA2-L | FORM "B" | LEFT-OUTSIDE  |
| BRK-LA2-R | FORM "B" | RIGHT-INSIDE  |

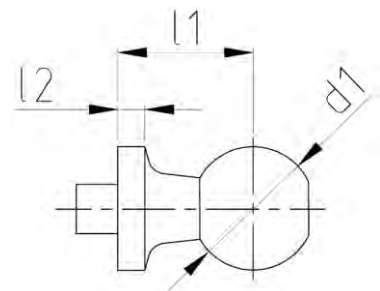
| l1 | l2 | l3   | l4 | h1   | h2   | t |
|----|----|------|----|------|------|---|
| 22 | 26 | 16,5 | 9  | 23,8 | 16,5 | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



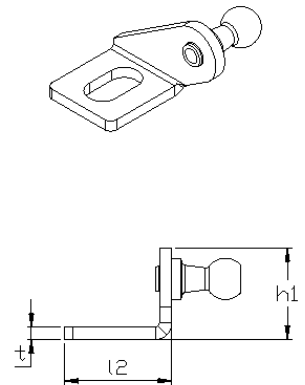
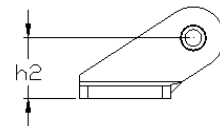
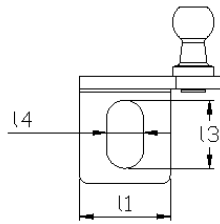
FORM  
"A,B"



| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BRACKET



| Code      | Bolt     | Mounting Side |
|-----------|----------|---------------|
| BRK-RA1-L | FORM "A" | LEFT-OUTSIDE  |
| BRK-RA1-R | FORM "A" | RIGHT-INSIDE  |
| BRK-RA2-L | FORM "B" | LEFT-OUTSIDE  |
| BRK-RA2-R | FORM "B" | RIGHT-INSIDE  |

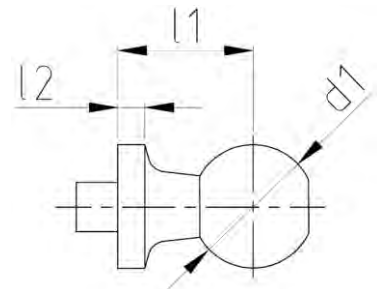
| l1 | l2 | l3   | l4 | h1   | h2   | t |
|----|----|------|----|------|------|---|
| 22 | 26 | 16,5 | 9  | 23,8 | 16,5 | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |



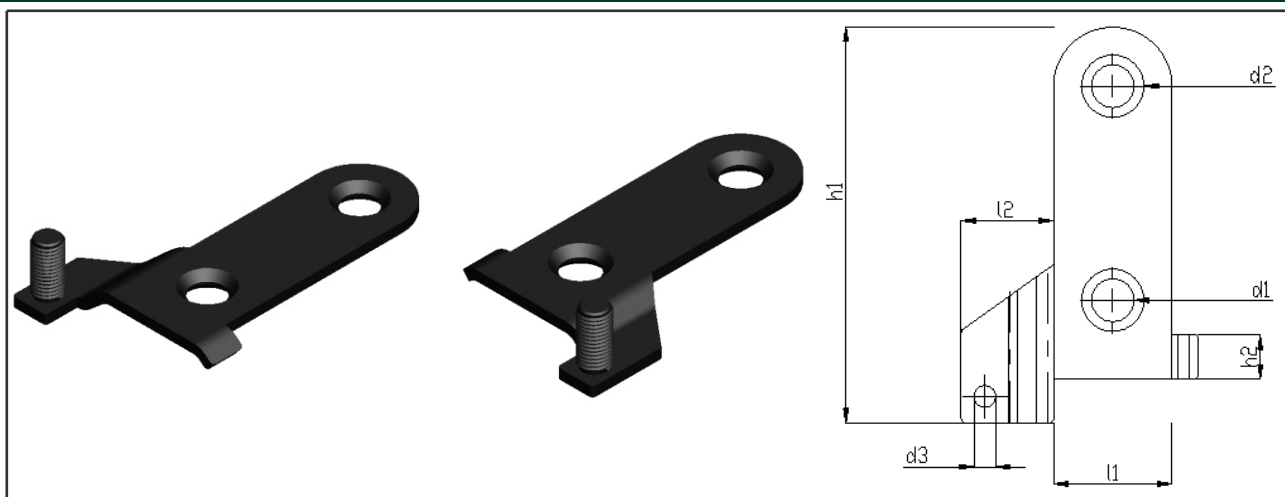
FORM  
"A,B"



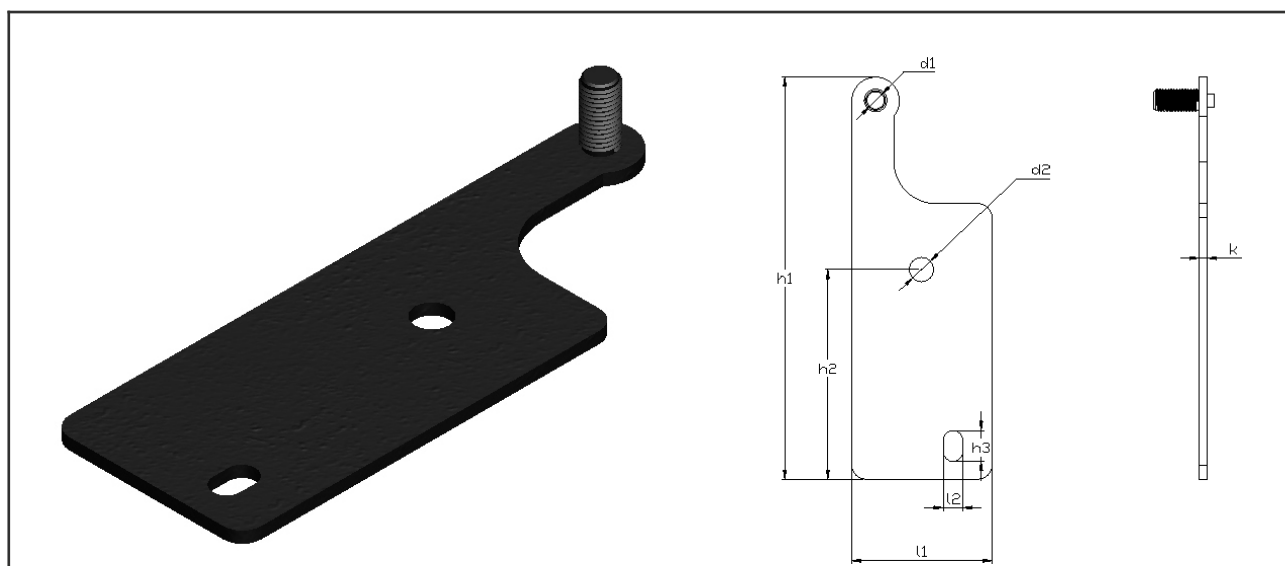
| Code     | l1   | l2  | d1  |
|----------|------|-----|-----|
| FORM "A" | 11   | 2   | Ø8  |
| FORM "B" | 12,5 | 2,2 | Ø10 |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## CAR BRACKET SET-TOYOTA HILUX



| Code   | l1 | l2 | h1 | h2 | d1  | d2   | d3 |
|--------|----|----|----|----|-----|------|----|
| BRK-H1 | 27 | 27 | 90 | 10 | 9,8 | 14,2 | M8 |



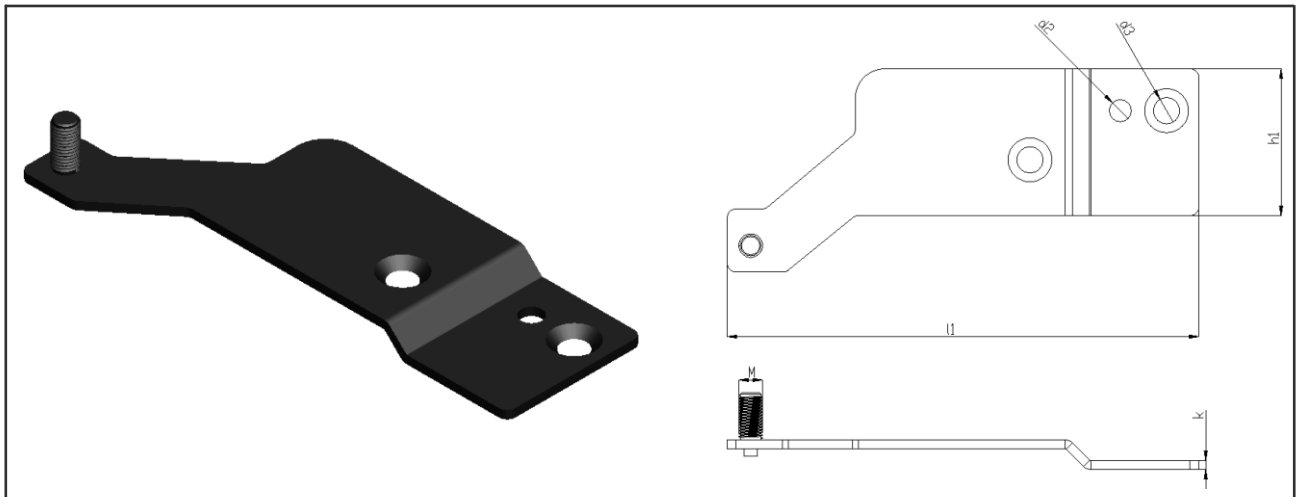
| Code   | l1 | l2 | h1  | h2   | h3 | d1 | d2  | k |
|--------|----|----|-----|------|----|----|-----|---|
| BRK-H2 | 50 | 7  | 143 | 74,5 | 11 | M8 | 8,7 | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

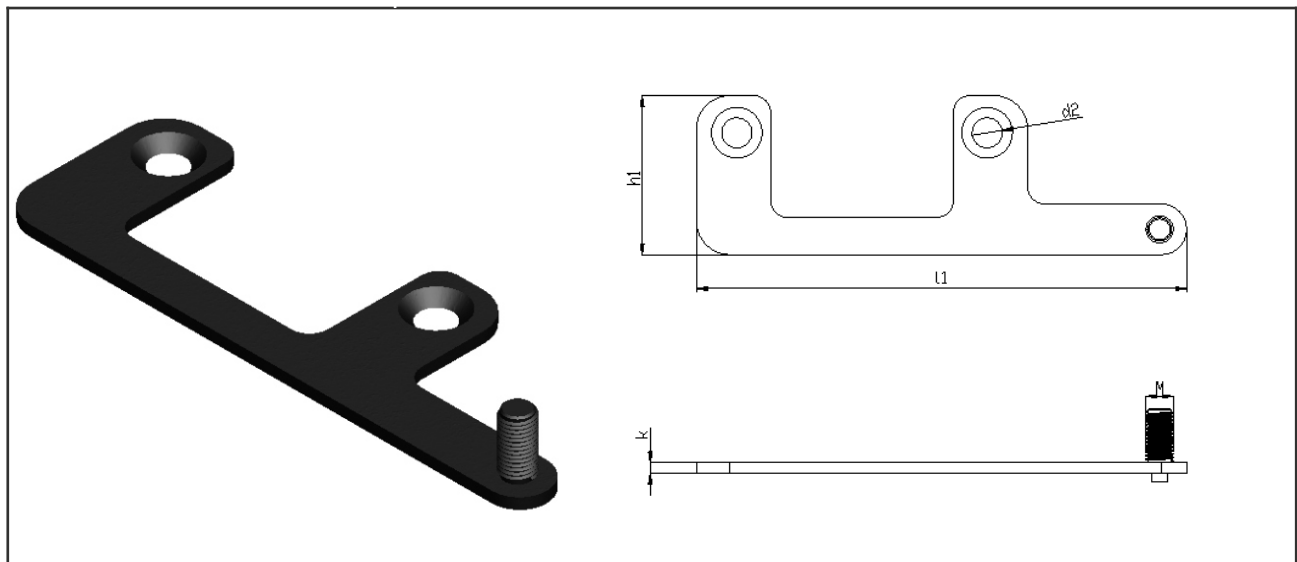
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## CAR BRACKET SET 1-MITSUBISHI L200



| Code   | l1  | h1 | M  | d2  | d3 | k |
|--------|-----|----|----|-----|----|---|
| BRK-L1 | 161 | 50 | M8 | 7.5 | 9  | 3 |



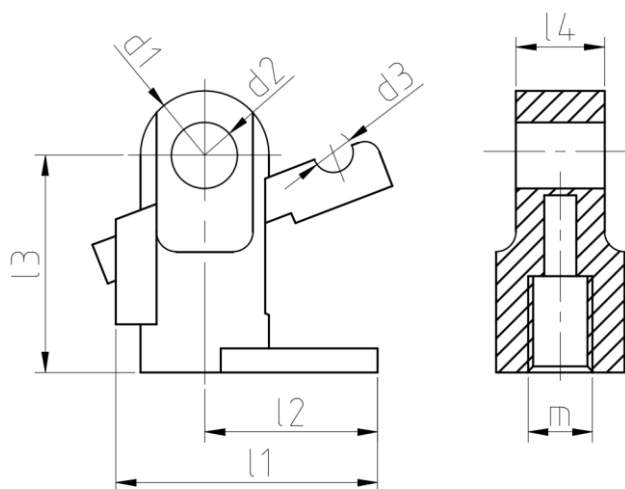
| Code   | l1  | h1 | M  | d2 | k |
|--------|-----|----|----|----|---|
| BRK-L2 | 145 | 47 | M8 | 9  | 3 |

### ADITONAL CODES FOR SPECIAL PRODUCT

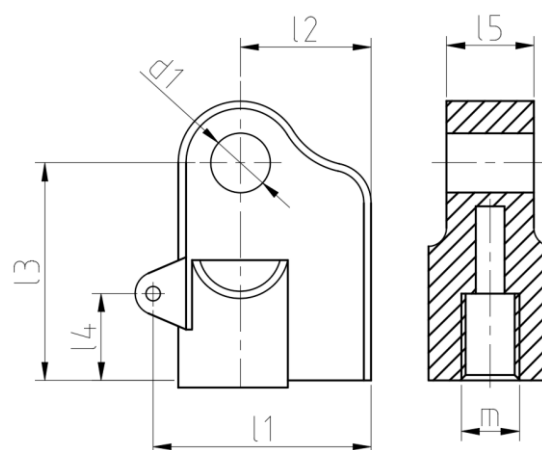
|          |                                 |      |
|----------|---------------------------------|------|
| Material | AISI 303                        | SS3  |
|          | AISI 304                        | SS4  |
|          | AISI 316                        | SS16 |
| Plating  | Zinc Plated/ Yellow Passivation | ZnY  |
|          | Zinc Plated/ Black Passivation  | ZnB  |

The brackets are made of steel sheet and 11SMnPb30 General Tolerances DIN ISO 2768-Medium Zn/White unless otherwise specified

## BLOCKLIFT CABLE RELEASE SYSTEM

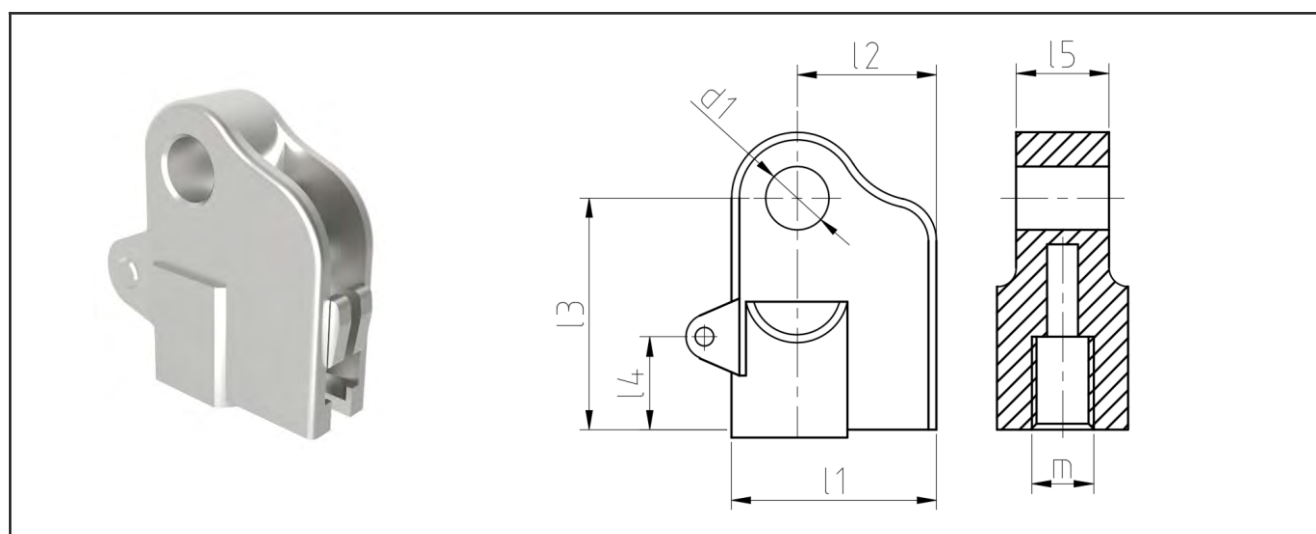


| Code    | l1 | l2   | l3 | l4 | m       | d1 | d2   | d3 |
|---------|----|------|----|----|---------|----|------|----|
| BLKF001 | 32 | 21,5 | 27 | 11 | M8      | 16 | 8,1  | 5  |
| BLKF002 | 32 | 21,5 | 27 | 11 | M8      | 16 | 10,1 | 5  |
| BLKF003 | 32 | 21,5 | 27 | 11 | M10X1,0 | 16 | 8,1  | 5  |
| BLKF004 | 32 | 21,5 | 27 | 11 | M10X1,0 | 16 | 10,1 | 5  |

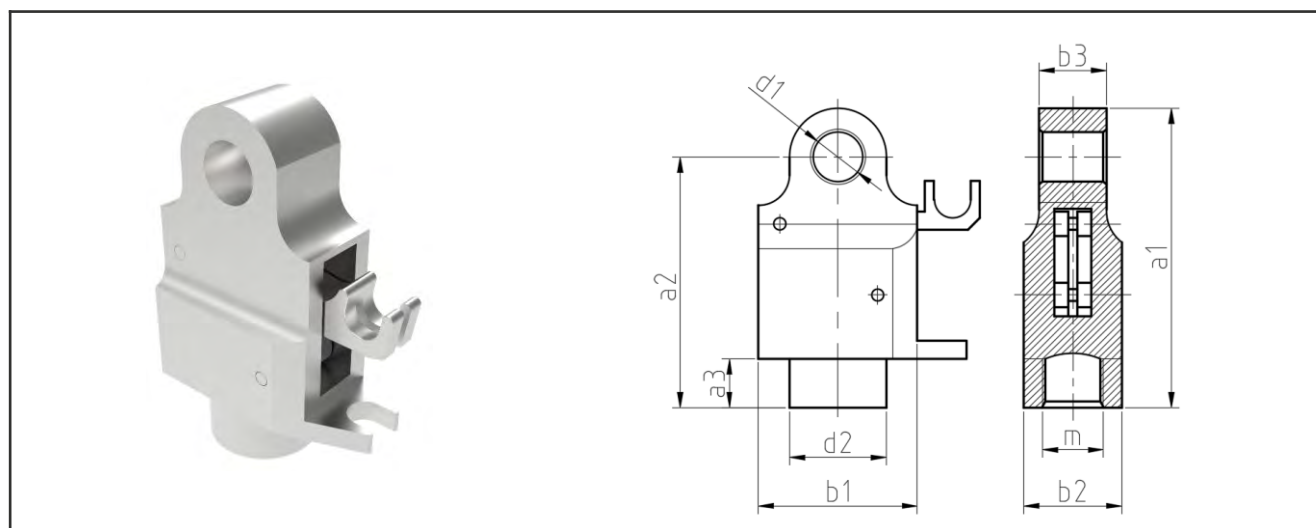


| Code    | l1 | l2 | l3 | l4 | l5 | m       | d1   |
|---------|----|----|----|----|----|---------|------|
| BLKF005 | 30 | 18 | 30 | 12 | 11 | M8      | 8,1  |
| BLKF006 | 30 | 18 | 30 | 12 | 11 | M8      | 10,1 |
| BLKF007 | 30 | 18 | 30 | 12 | 11 | M10X1,0 | 8,1  |
| BLKF008 | 30 | 18 | 30 | 12 | 11 | M10X1,0 | 10,1 |

## BLOCKLIFT CABLE RELEASE SYSTEM

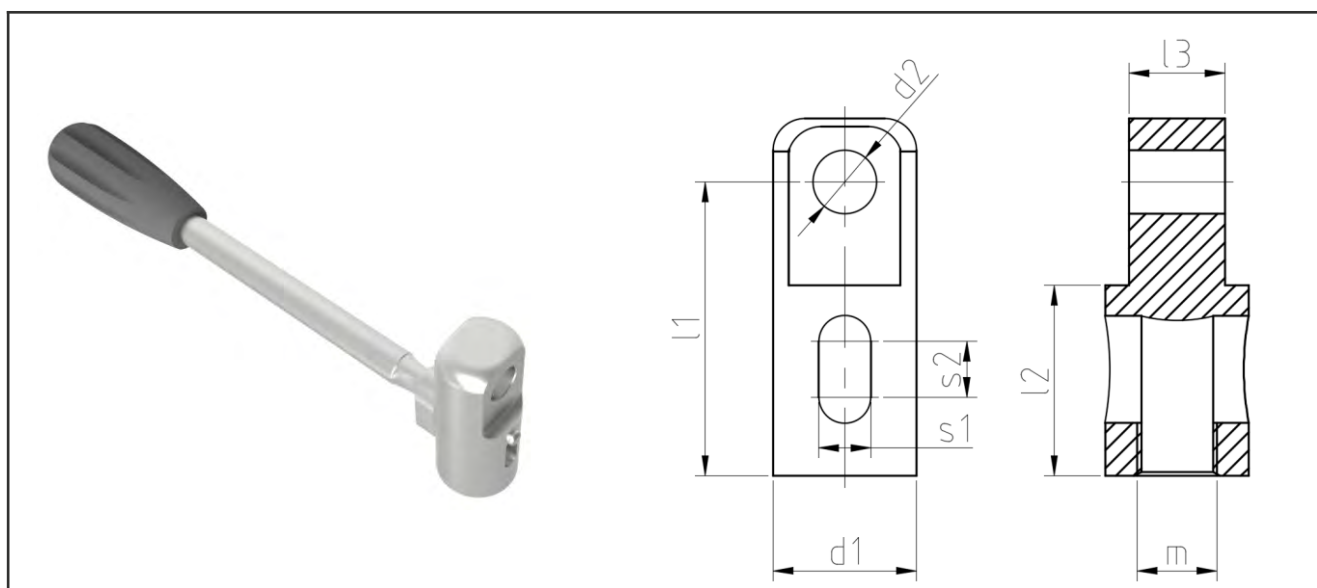


| Code      | l1 | l2 | l3 | l4 | l5 | d1 | m       |
|-----------|----|----|----|----|----|----|---------|
| BLKF009   | 40 | 27 | 39 | 17 | 14 | 12 | M10X1,5 |
| BLKF009-1 | 40 | 27 | 39 | 17 | 14 | 12 | M8      |

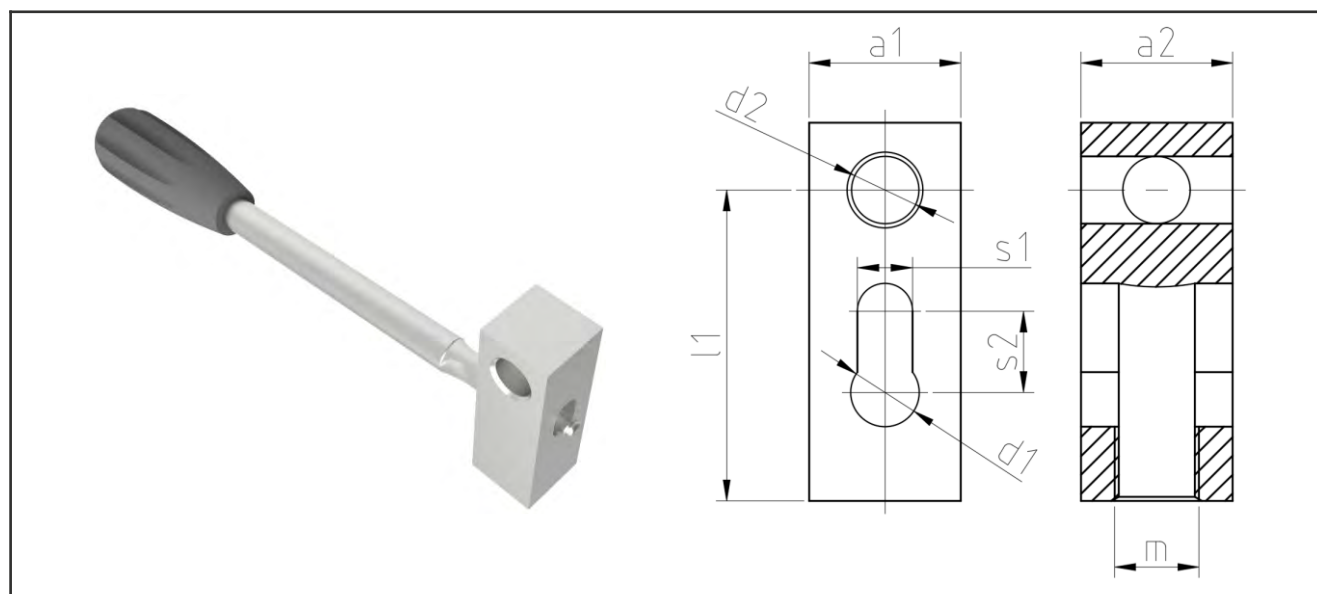


| Code    | d1  | d2 | a1 | a2 | a3 | b1 | b2 | b3 | m       |
|---------|-----|----|----|----|----|----|----|----|---------|
| BLKF010 | 8,1 | 16 | 49 | 41 | 8  | 26 | 16 | 11 | M10X1,0 |

## BLOCKLIFT CABLE RELEASE SYSTEM

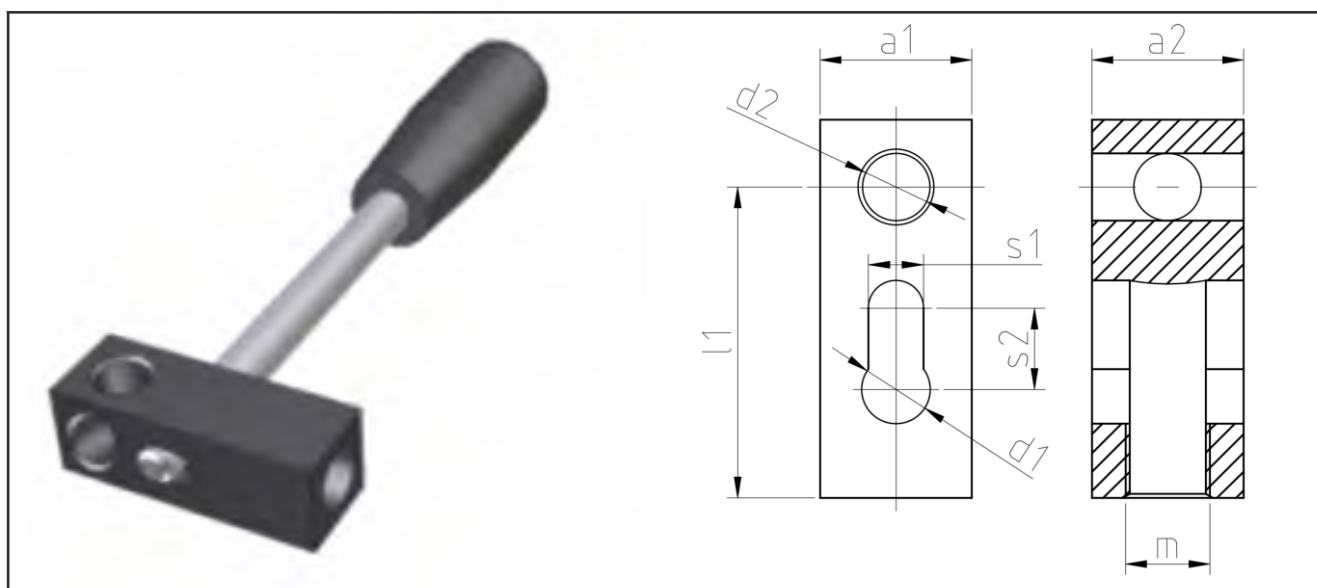


| Code    | l1 | l2   | l3 | d1 | d2 | s1  | s2 | m       |
|---------|----|------|----|----|----|-----|----|---------|
| BLKF011 | 37 | 24,1 | 12 | 18 | 8  | 6,5 | 7  | M10X1,0 |

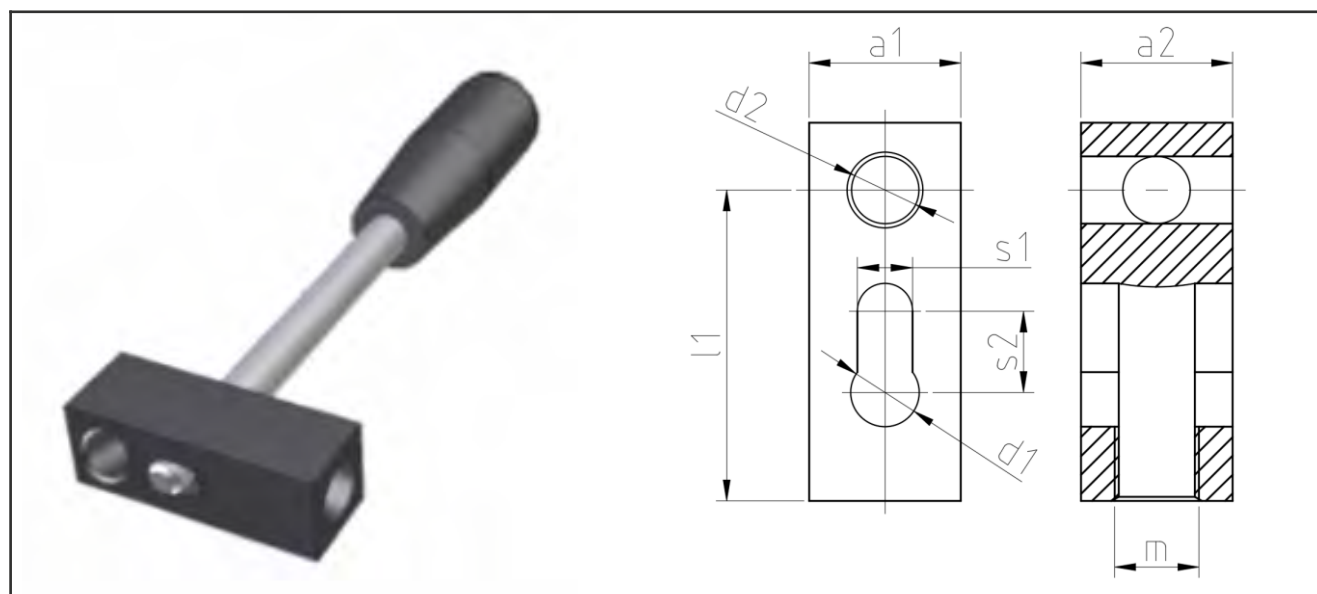


| Code    | l1 | a1 | a2 | d1  | d2  | s1 | s2  | m       |
|---------|----|----|----|-----|-----|----|-----|---------|
| BLKF012 | 35 | 15 | 15 | 8,1 | 8,1 | 6  | 9,7 | M10X1,0 |

## BLOCKLIFT CABLE RELEASE SYSTEM

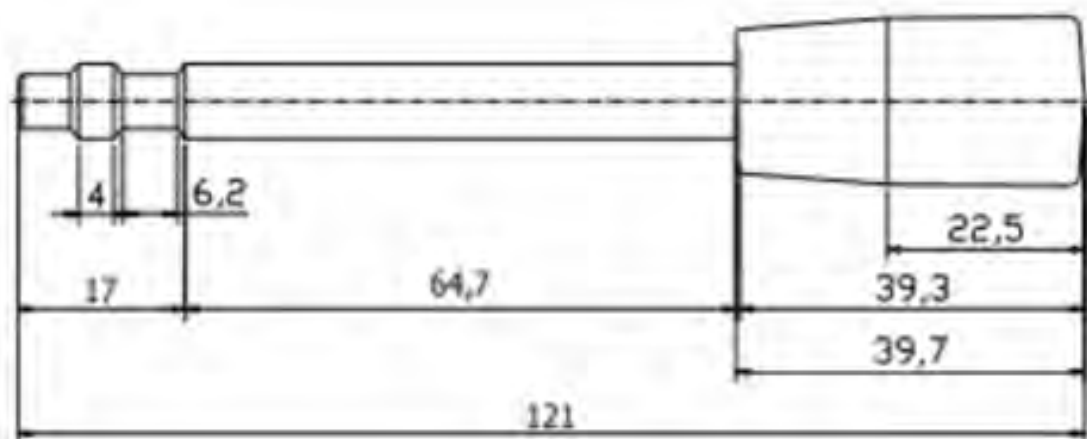


| Code      | l1 | a1 | a2 | d1  | d2  | s1 | s2  | m       |
|-----------|----|----|----|-----|-----|----|-----|---------|
| BLKF012-D | 35 | 15 | 15 | 8,1 | 8,1 | 6  | 9,7 | M10X1,0 |



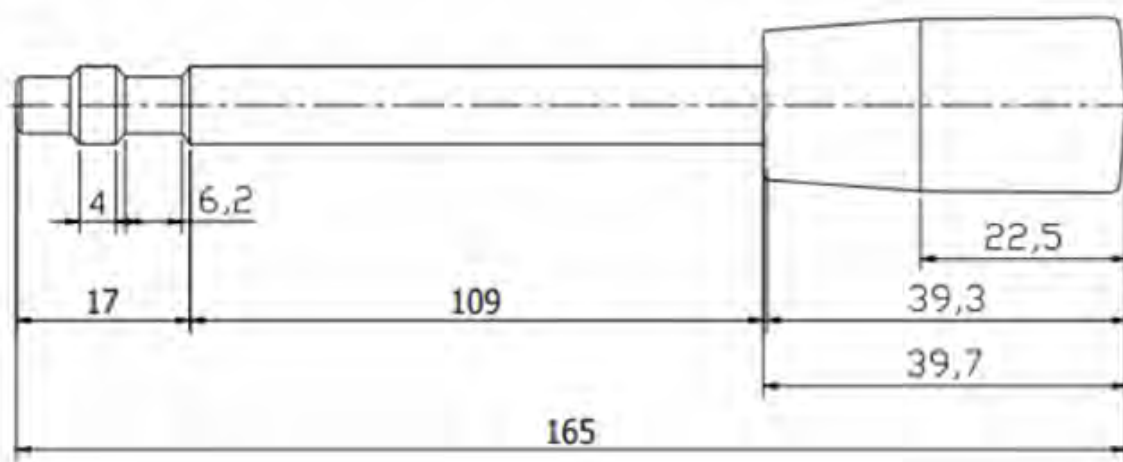
| Code      | l1 | a1 | a2 | d1  | d2  | s1 | s2  | m       |
|-----------|----|----|----|-----|-----|----|-----|---------|
| BLKF012-R | 35 | 15 | 15 | 8,1 | 8,1 | 6  | 9,7 | M10X1,0 |

## BLOCKLIFT CABLE RELEASE SYSTEM



**Code**

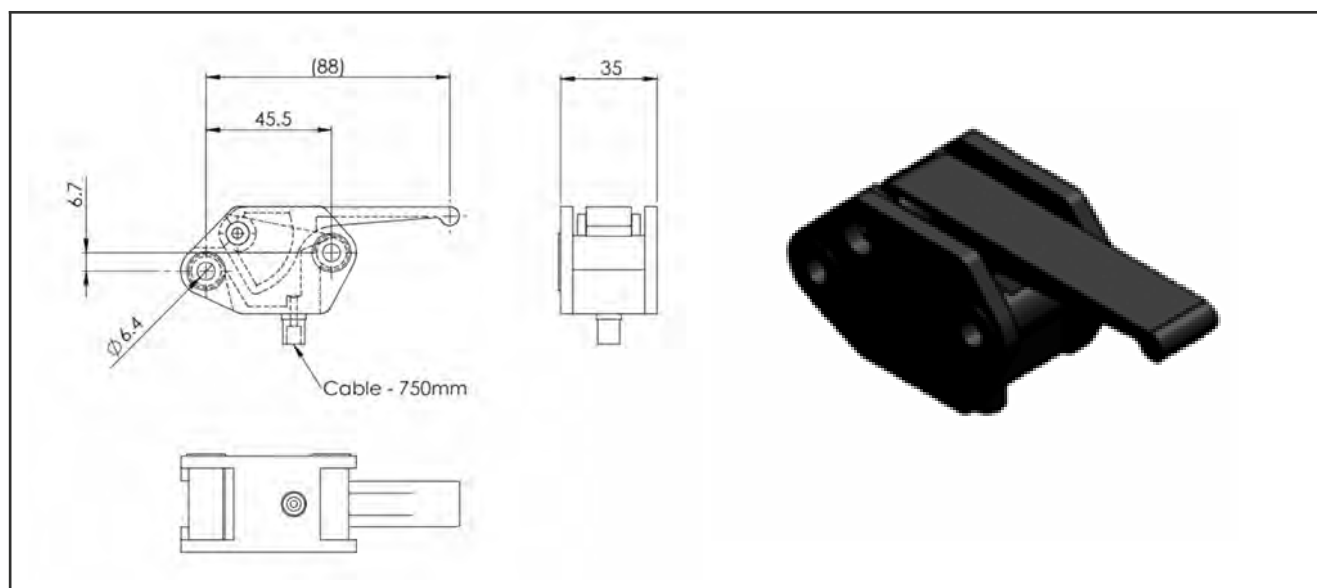
BLKF013-S



**Code**

BLKF013-L

## BLOCKLIFT CABLE RELEASE SYSTEM



**Code**

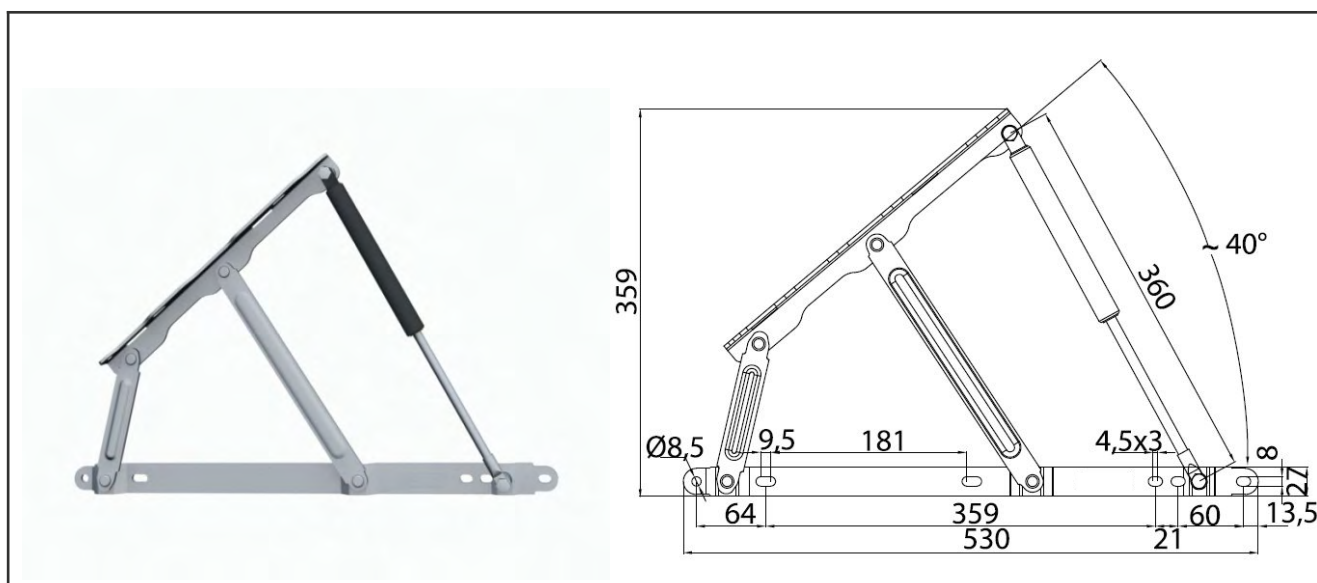
**BLKF015**



**Code**

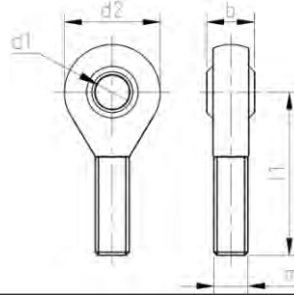
**BLKF014**

## BED MECHANISMS



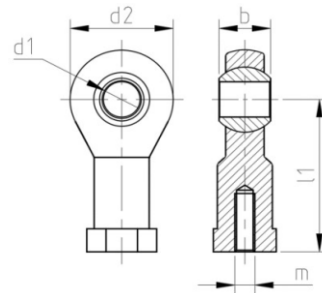
| CODE       | FORCE | DESCRIPTION                                     |
|------------|-------|-------------------------------------------------|
| TAKABAZA01 | 450N  | SET (RIGHT & LEFT MECHANISM WITH 2 GAS SPRINGS) |
| TAKABAZA02 | 750N  | SET (RIGHT & LEFT MECHANISM WITH 2 GAS SPRINGS) |
| TAKABAZA03 | 900N  | SET (RIGHT & LEFT MECHANISM WITH 2 GAS SPRINGS) |
| TAKABAZA04 | 1000N | SET (RIGHT & LEFT MECHANISM WITH 2 GAS SPRINGS) |
| TAKABAZA05 | 1100N | SET (RIGHT & LEFT MECHANISM WITH 2 GAS SPRINGS) |
| TAKABAZA06 | 1200N | SET (RIGHT & LEFT MECHANISM WITH 2 GAS SPRINGS) |

## ROD END MALE & FEMALE



RH: Right hand thread  
LH: Left hand thread

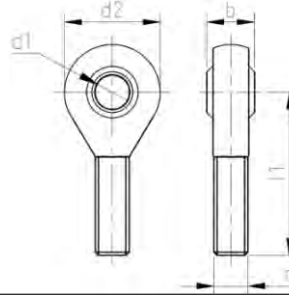
| CODE     | d1  | m        | b  | d2 | l1 |
|----------|-----|----------|----|----|----|
| RE001-RH | Ø6  | M6x1,0   | 9  | 20 | 36 |
| RE001-LH | Ø6  | M6x1,0   | 9  | 20 | 36 |
| RE002-RH | Ø8  | M8x1,25  | 12 | 24 | 42 |
| RE002-LH | Ø8  | M8x1,25  | 12 | 24 | 42 |
| RE003-RH | Ø10 | M10x1,5  | 14 | 28 | 48 |
| RE003-LH | Ø10 | M10x1,5  | 14 | 28 | 48 |
| RE004-RH | Ø12 | M12x1,75 | 16 | 32 | 54 |
| RE004-LH | Ø12 | M12x1,75 | 16 | 32 | 54 |
| RE005-RH | Ø14 | M14x2,0  | 19 | 36 | 59 |
| RE005-LH | Ø14 | M14x2,0  | 19 | 36 | 59 |
| RE006-RH | Ø16 | M16x2,0  | 21 | 40 | 66 |
| RE006-LH | Ø16 | M16x2,0  | 21 | 40 | 66 |
| RE007-RH | Ø18 | M18x1,5  | 23 | 46 | 72 |
| RE007-LH | Ø18 | M18x1,5  | 23 | 46 | 72 |
| RE008-RH | Ø20 | M20x1,5  | 25 | 50 | 78 |
| RE008-LH | Ø20 | M20x1,5  | 25 | 50 | 78 |



RH: Right hand thread  
LH: Left hand thread

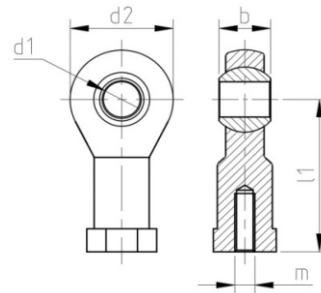
| CODE     | d1  | m        | b  | d2 | l1 |
|----------|-----|----------|----|----|----|
| RE009-RH | Ø6  | M6x1,0   | 9  | 20 | 35 |
| RE009-LH | Ø6  | M6x1,0   | 9  | 20 | 35 |
| RE010-RH | Ø8  | M8x1,25  | 12 | 24 | 36 |
| RE010-LH | Ø8  | M8x1,25  | 12 | 24 | 36 |
| RE011-RH | Ø10 | M10x1,5  | 14 | 28 | 43 |
| RE011-LH | Ø10 | M10x1,5  | 14 | 28 | 43 |
| RE012-RH | Ø12 | M12x1,75 | 16 | 32 | 50 |
| RE012-LH | Ø12 | M12x1,75 | 16 | 32 | 50 |
| RE013-RH | Ø14 | M14x2,0  | 19 | 36 | 57 |
| RE013-LH | Ø14 | M14x2,0  | 19 | 36 | 57 |
| RE014-RH | Ø16 | M16x2,0  | 21 | 40 | 64 |
| RE014-LH | Ø16 | M16x2,0  | 21 | 40 | 64 |
| RE015-RH | Ø18 | M18x1,5  | 23 | 46 | 71 |
| RE015-LH | Ø18 | M18x1,5  | 23 | 46 | 71 |
| RE016-RH | Ø20 | M20x1,5  | 25 | 50 | 77 |
| RE016-LH | Ø20 | M20x1,5  | 25 | 50 | 77 |

## INX-ROD END MALE & FEMALE



RH: Right hand thread  
LH: Left hand thread

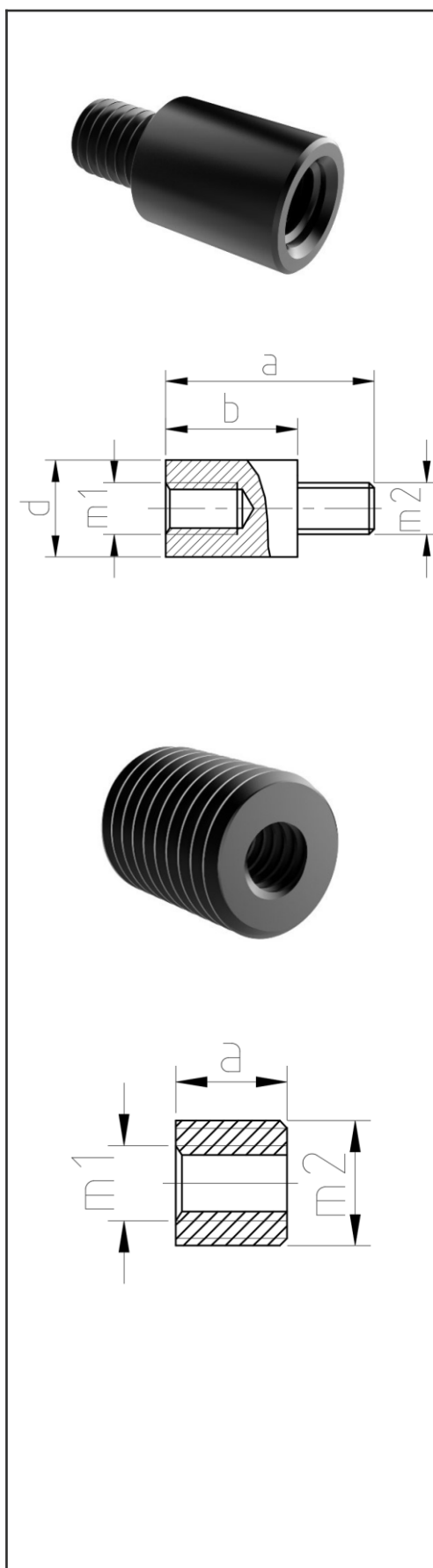
| CODE         | d1  | m        | b  | d2 | l1 |
|--------------|-----|----------|----|----|----|
| INX-RE001-RH | Ø6  | M6x1,0   | 9  | 20 | 36 |
| INX-RE001-LH | Ø6  | M6x1,0   | 9  | 20 | 36 |
| INX-RE002-RH | Ø8  | M8x1,25  | 12 | 24 | 42 |
| INX-RE002-LH | Ø8  | M8x1,25  | 12 | 24 | 42 |
| INX-RE003-RH | Ø10 | M10x1,5  | 14 | 28 | 48 |
| INX-RE003-LH | Ø10 | M10x1,5  | 14 | 28 | 48 |
| INX-RE004-RH | Ø12 | M12x1,75 | 16 | 32 | 54 |
| INX-RE004-LH | Ø12 | M12x1,75 | 16 | 32 | 54 |
| INX-RE005-RH | Ø14 | M14x2,0  | 19 | 36 | 59 |
| INX-RE005-LH | Ø14 | M14x2,0  | 19 | 36 | 59 |
| INX-RE006-RH | Ø16 | M16x2,0  | 21 | 40 | 66 |
| INX-RE006-LH | Ø16 | M16x2,0  | 21 | 40 | 66 |
| INX-RE007-RH | Ø18 | M18x1,5  | 23 | 46 | 72 |
| INX-RE007-LH | Ø18 | M18x1,5  | 23 | 46 | 72 |
| INX-RE008-RH | Ø20 | M20x1,5  | 25 | 50 | 78 |
| INX-RE008-LH | Ø20 | M20x1,5  | 25 | 50 | 78 |



RH: Right hand thread  
LH: Left hand thread

| CODE         | d1  | m        | b  | d2 | l1 |
|--------------|-----|----------|----|----|----|
| INX-RE009-RH | Ø6  | M6x1,0   | 9  | 20 | 35 |
| INX-RE009-LH | Ø6  | M6x1,0   | 9  | 20 | 35 |
| INX-RE010-RH | Ø8  | M8x1,25  | 12 | 24 | 36 |
| INX-RE010-LH | Ø8  | M8x1,25  | 12 | 24 | 36 |
| INX-RE011-RH | Ø10 | M10x1,5  | 14 | 28 | 43 |
| INX-RE011-LH | Ø10 | M10x1,5  | 14 | 28 | 43 |
| INX-RE012-RH | Ø12 | M12x1,75 | 16 | 32 | 50 |
| INX-RE012-LH | Ø12 | M12x1,75 | 16 | 32 | 50 |
| INX-RE013-RH | Ø14 | M14x2,0  | 19 | 36 | 57 |
| INX-RE013-LH | Ø14 | M14x2,0  | 19 | 36 | 57 |
| INX-RE014-RH | Ø16 | M16x2,0  | 21 | 40 | 64 |
| INX-RE014-LH | Ø16 | M16x2,0  | 21 | 40 | 64 |
| INX-RE015-RH | Ø18 | M18x1,5  | 23 | 46 | 71 |
| INX-RE015-LH | Ø18 | M18x1,5  | 23 | 46 | 71 |
| INX-RE016-RH | Ø20 | M20x1,5  | 25 | 50 | 77 |
| INX-RE016-LH | Ø20 | M20x1,5  | 25 | 50 | 77 |

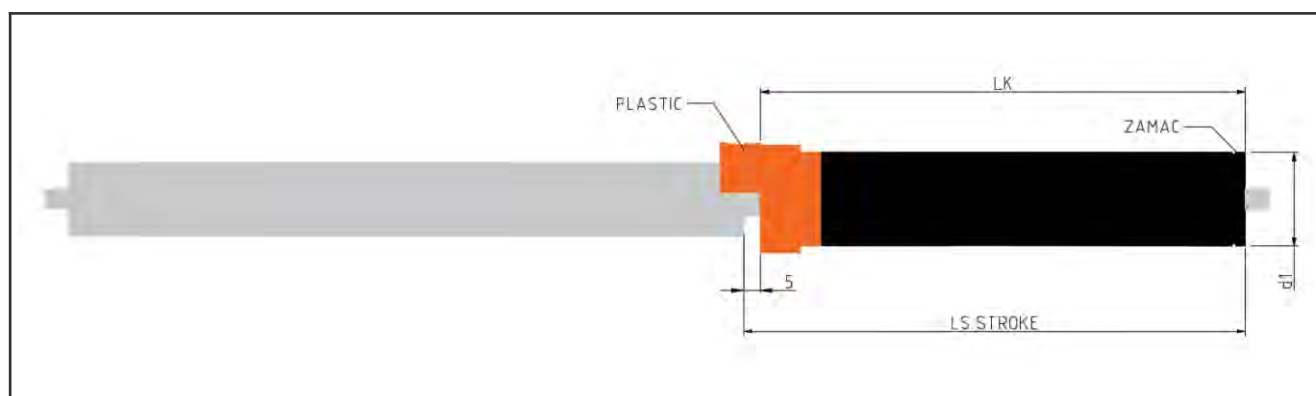
## ADAP-VIDAP



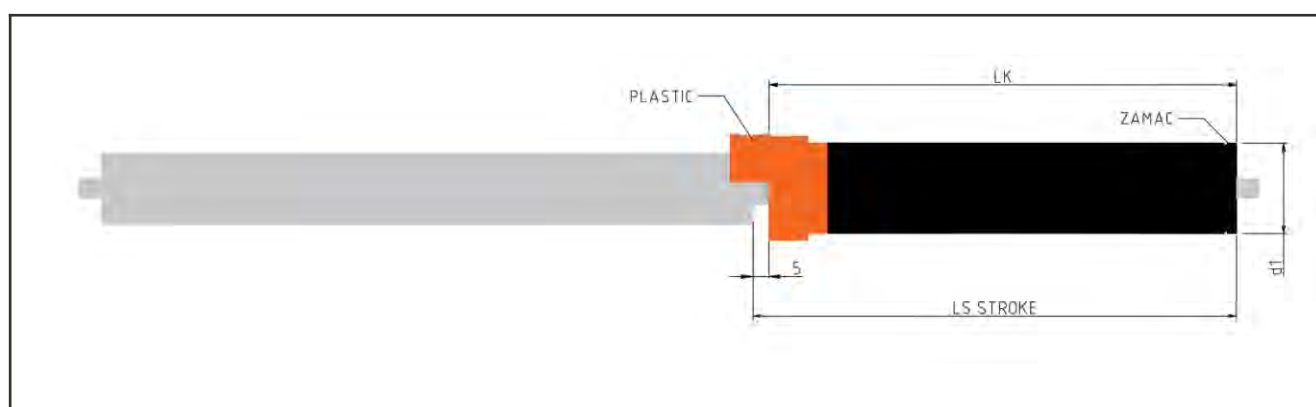
| Code          | m1  | m2  | a  | b  | d  |
|---------------|-----|-----|----|----|----|
| ADAP08-060510 | M6  | M5  | 18 | 10 | 8  |
| ADAP08-060610 | M6  | M6  | 18 | 10 | 8  |
| ADAP08-060620 | M6  | M6  | 28 | 20 | 8  |
| ADAP08-060630 | M6  | M6  | 38 | 30 | 8  |
| ADAP08-060640 | M6  | M6  | 48 | 40 | 8  |
| ADAP10-080810 | M8  | M8  | 18 | 10 | 10 |
| ADAP10-080820 | M8  | M8  | 28 | 20 | 10 |
| ADAP10-080830 | M8  | M8  | 38 | 30 | 10 |
| ADAP10-080840 | M8  | M8  | 48 | 40 | 10 |
| ADAP14-101020 | M10 | M10 | 28 | 20 | 14 |
| ADAP14-101030 | M10 | M10 | 38 | 30 | 14 |
| ADAP14-101040 | M10 | M10 | 48 | 40 | 14 |
| ADAP14-101050 | M10 | M10 | 58 | 50 | 14 |

| Code         | m1 | m2  | a  |
|--------------|----|-----|----|
| VIDAP-060810 | M6 | M8  | 10 |
| VIDAP-081010 | M8 | M10 | 10 |

## LOCKING TUBE FOR GAS SPRINGS



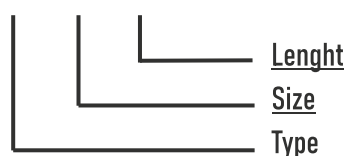
| Size  | d1 | LS (Stroke) | LK    | Lose | Material |
|-------|----|-------------|-------|------|----------|
| 6/15  | 21 | 50-300      | LS -5 | 10mm | Metal    |
| 8/18  | 24 | 50-300      | LS -5 | 10mm | Metal    |
| 10/22 | 28 | 50-350      | LS -5 | 10mm | Metal    |
| 14/27 | 36 | 50-500      | LS -5 | 10mm | Metal    |



| Size  | d1 | LS (Stroke) | LK    | Lose | Material       |
|-------|----|-------------|-------|------|----------------|
| 6/15  | 21 | 50-300      | LS -5 | 10mm | Stainles Steel |
| 8/18  | 24 | 50-300      | LS -5 | 10mm | Stainles Steel |
| 10/22 | 28 | 50-350      | LS -5 | 10mm | Stainles Steel |
| 14/27 | 36 | 50-500      | LS -5 | 10mm | Stainles Steel |

### Ordering Example

MLT 8/18 500



### Ordering Example

SSLT 8/18 500

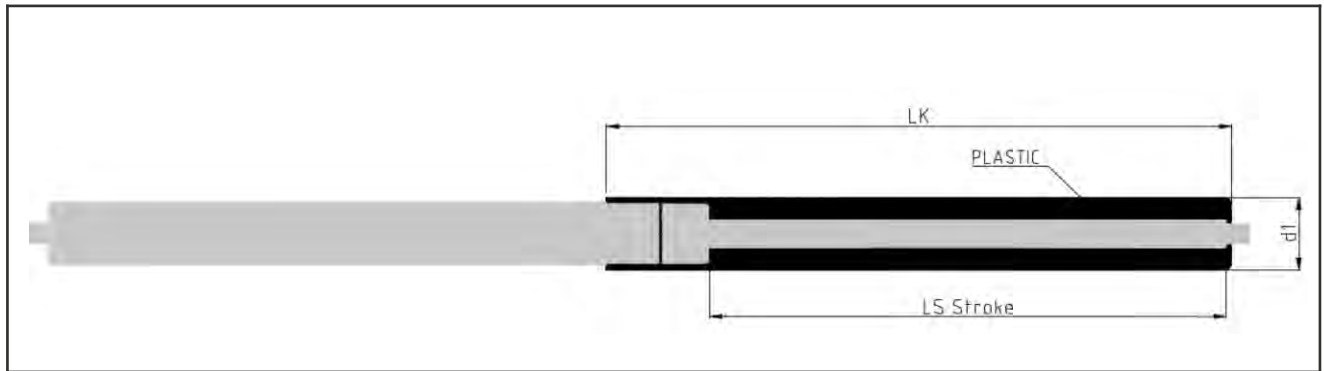


## LOCKING PLASTIC COVER

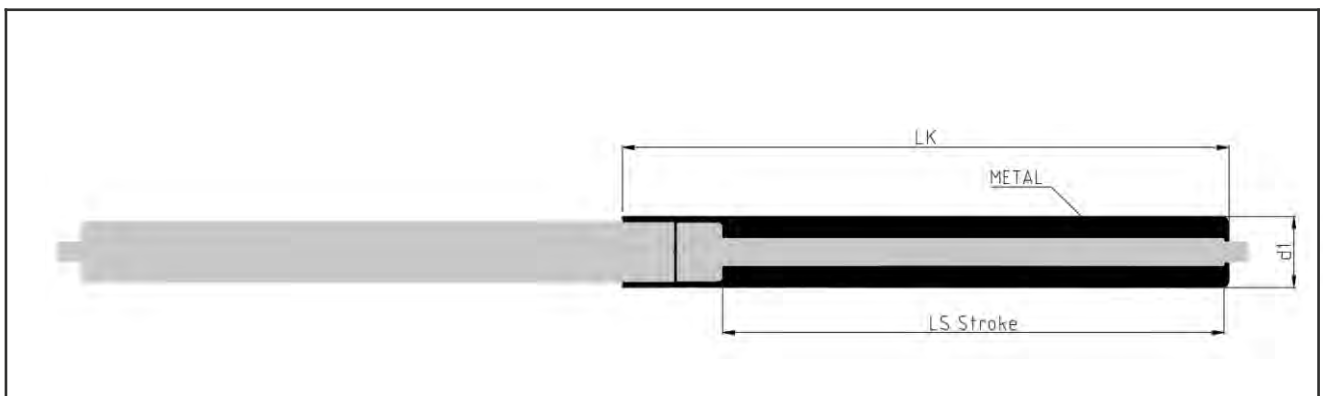


| Code   | Size |
|--------|------|
| LPC001 | Ø15  |
| LPC002 | Ø18  |
| LPC003 | Ø21  |
| LPC004 | Ø27  |

## PROTECTION TUBE FOR GAS SPRINGS



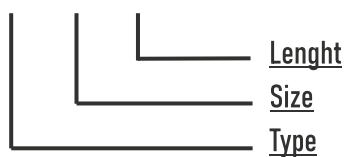
| Size  | d1 | LS (Stroke) | LK      | Material |
|-------|----|-------------|---------|----------|
| 6/15  | 18 | 10-300      | LS + 30 | Plastic  |
| 8/18  | 21 | 10-300      | LS + 30 | Plastic  |
| 10/22 | 25 | 10-350      | LS + 30 | Plastic  |
| 10/27 | 30 | 10-350      | LS + 30 | Plastic  |
| 14/27 | 30 | 10-350      | LS + 30 | Plastic  |



| Size  | d1 | LS (Stroke) | LK      | Material |
|-------|----|-------------|---------|----------|
| 6/15  | 18 | 10-300      | LS + 30 | Metal    |
| 8/18  | 21 | 10-300      | LS + 30 | Metal    |
| 10/22 | 25 | 10-350      | LS + 30 | Metal    |
| 10/27 | 30 | 10-350      | LS + 30 | Metal    |
| 14/27 | 30 | 10-350      | LS + 30 | Metal    |

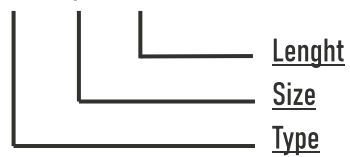
### Ordering Example

MPT 8/18 500

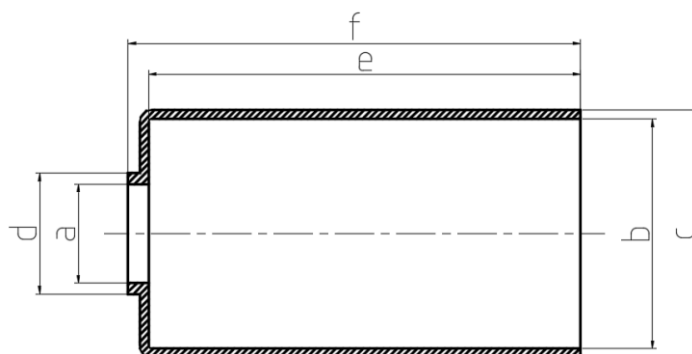


### Ordering Example

PPT 8/18 500

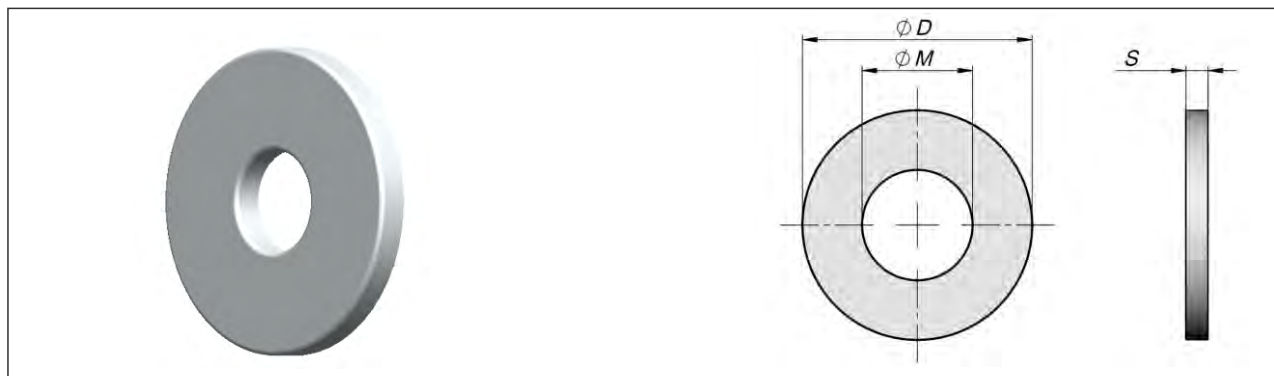


## DUST PROTECTION



| Code  | a    | b    | e    | f    | c    | d    |
|-------|------|------|------|------|------|------|
| DP001 | 6    | 15   | 20,2 | 22   | 16,6 | 8    |
| DP002 | 8    | 21   | 36   | 38   | 22,5 | 12   |
| DP003 | 8    | 22   | 42,5 | 44   | 23,5 | 11   |
| DP004 | 8,2  | 18   | 23   | 44,5 | 19,5 | 9,8  |
| DP005 | 8,2  | 18   | 27,5 | 29,5 | 19,5 | 9,8  |
| DP006 | 8,2  | 19,2 | 35,8 | 37,5 | 20,5 | 10   |
| DP007 | 10,2 | 21   | 23   | 24,5 | 22,5 | 12   |
| DP008 | 10,2 | 22   | 23   | 24,5 | 23,6 | 12   |
| DP009 | 14   | 27,3 | 28,5 | 31   | 29,5 | 16,5 |

## FLAT WASHER



| CODE | M   | D  | S   |
|------|-----|----|-----|
| FW03 | M3  | 7  | 0,5 |
| FW04 | M4  | 9  | 0,8 |
| FW05 | M5  | 10 | 1   |
| FW06 | M6  | 12 | 1,5 |
| FW08 | M8  | 16 | 1,5 |
| FW10 | M10 | 20 | 2   |
| FW12 | M12 | 24 | 2,5 |
| FW14 | M14 | 28 | 2,5 |
| FW16 | M16 | 30 | 3   |
| FW18 | M18 | 34 | 3   |
| FW20 | M20 | 37 | 3   |
| FW22 | M22 | 39 | 3   |



| CODE  | M   | D  | S   |
|-------|-----|----|-----|
| SFW06 | M6  | 12 | 1,5 |
| SFW08 | M8  | 16 | 1,5 |
| SFW10 | M10 | 20 | 2   |
| SFW12 | M12 | 24 | 2,5 |



# CERTIFICATE

## TAKA AMORTİSÖR VE YEDEK PARÇA SANAYİ TİCARET LİMİTED ŞİRKETİ

İKİTELLİ OSB MAH. SEFAKÖY 17. BLOK SOK. NO:21  
BAŞAKŞEHİR / İSTANBUL / TÜRKİYE

*Has been assessed and found to comply with the requirements of:*  
*Denetlenmiş ve aşağıdaki standardın gerekliliklerine uygunluğu görülmüştür:*

### ISO 9001:2015

*The Quality Management System is applicable to:*  
*Kalite Yönetim Sistemi:*

PRODUCTION OF GAS SPRINGS AND WHOLESALE  
TRADE OF MOTOR LAND VEHICLE ACCESSORIES

GAZLI AMORTİSÖR ÜRETİMİ VE MOTORLU KARA  
TAŞIT AKSESUARLARININ TOPTAN TİCARETİ

Certificate Number: IQR.016/QMS.0067236  
Belge Numarası: IQR.016/QMS.0067236

Initial Certification Date: 29.12.2025  
İlk Belgelendirme Tarihi: 29.12.2025

Certification Period: 3 Years  
Belgelendirme Periyodu: 3 Yıl

Certificate Validity Date: 28.12.2026  
Belge Geçerlilik Tarihi: 28.12.2026



*IQR Certification Approval*

## NOTE



# — TAKA HARDWARE —



GAS SPRINGS, AND MORE

[www.takahardware.com](http://www.takahardware.com)

[info@takahardware.com](mailto:info@takahardware.com)

