

## ACCESSORIES FOR STAINLESS STEEL CYLINDERS SERIES 90



Foot mount Mod. B



Front and rear flange Mod. D-E



Rear trunnion, female Mod. C-H



Rear trunnion, male Mod. L



Tight rear female tr. bracket Mod. CR



Male tr. bracket with swivel ball joint Mod. R



90° male tr. bracket + sw. ball joint Mod. ZCR



90° male trunnion Mod. ZC



Rod fork end Mod. G-90



Clevis pin Mod. S-90



Anti-rotation clevis pin Mod. SR-90



Swivel ball joint Mod. GA-90



Piston rod lock nut Mod. U-90



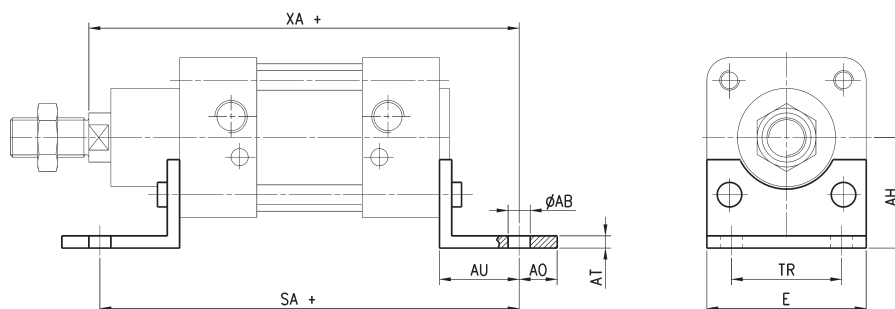
All accessories are supplied separately, except for the piston rod lock nut Mod. U

## Foot mount Mod. B

Material: stainless steel 316



Supplied with:  
2x feet  
4x screws  
+ = add the stroke



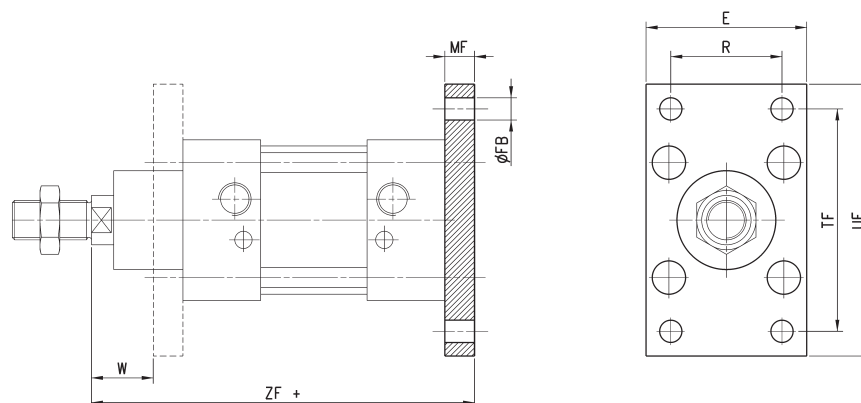
| DIMENSIONS |     |     |    |    |    |    |     |    |     |     |
|------------|-----|-----|----|----|----|----|-----|----|-----|-----|
| Mod.       | Ø   | ØAB | AH | AO | AT | AU | E   | TR | SA+ | XA+ |
| B-90-32    | 32  | 7   | 32 | 11 | 4  | 24 | 45  | 32 | 142 | 144 |
| B-90-40    | 40  | 9   | 36 | 8  | 4  | 28 | 52  | 36 | 161 | 163 |
| B-90-50    | 50  | 9   | 45 | 15 | 5  | 32 | 65  | 45 | 170 | 175 |
| B-90-63    | 63  | 9   | 50 | 13 | 5  | 32 | 75  | 50 | 185 | 190 |
| B-90-80    | 80  | 12  | 63 | 14 | 6  | 41 | 95  | 63 | 210 | 215 |
| B-90-100   | 100 | 14  | 75 | 16 | 6  | 41 | 115 | 75 | 220 | 230 |
| B-90-125   | 125 | 16  | 90 | 25 | 8  | 45 | 140 | 90 | 250 | 270 |

## Front and rear flange Mod. D-E

Material: stainless steel 316



Supplied with:  
1x flange  
4x screws  
+ = add the stroke



| DIMENSIONS |     |     |     |    |     |     |    |     |    |
|------------|-----|-----|-----|----|-----|-----|----|-----|----|
| Mod.       | Ø   | E   | ØFB | MF | TF  | UF  | W  | ZF+ | R  |
| D-E-90-32  | 32  | 45  | 7   | 10 | 64  | 80  | 16 | 130 | 32 |
| D-E-90-40  | 40  | 52  | 9   | 10 | 72  | 90  | 20 | 145 | 36 |
| D-E-90-50  | 50  | 65  | 9   | 12 | 90  | 110 | 25 | 155 | 45 |
| D-E-90-63  | 63  | 75  | 9   | 12 | 100 | 120 | 25 | 170 | 50 |
| D-E-90-80  | 80  | 95  | 12  | 15 | 126 | 150 | 30 | 190 | 63 |
| D-E-90-100 | 100 | 115 | 14  | 15 | 150 | 170 | 35 | 205 | 75 |
| D-E-90-125 | 125 | 140 | 16  | 20 | 180 | 205 | 45 | 245 | 90 |

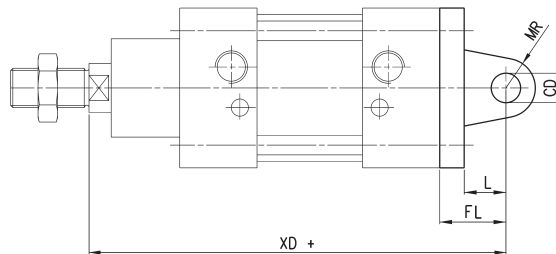
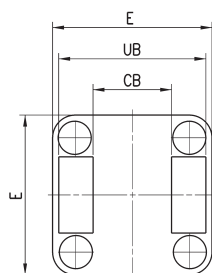
## Rear trunnion, female Mod. C-H

Material: stainless steel 316



Supplied:  
1x female trunnion  
4x screws

+ = add the stroke



| DIMENSIONS |     |    |    |     |    |    |    |     |     |
|------------|-----|----|----|-----|----|----|----|-----|-----|
| Mod.       | Ø   | CB | CD | E   | FL | L  | MR | UB  | XD+ |
| C-H-90-32  | 32  | 26 | 10 | 45  | 22 | 12 | 10 | 45  | 142 |
| C-H-90-40  | 40  | 28 | 12 | 55  | 25 | 15 | 12 | 52  | 161 |
| C-H-90-50  | 50  | 32 | 12 | 65  | 27 | 17 | 12 | 60  | 170 |
| C-H-90-63  | 63  | 40 | 16 | 75  | 32 | 20 | 16 | 70  | 185 |
| C-H-90-80  | 80  | 50 | 16 | 95  | 36 | 22 | 16 | 90  | 210 |
| C-H-90-100 | 100 | 60 | 20 | 115 | 41 | 25 | 20 | 110 | 230 |
| C-H-90-125 | 125 | 70 | 25 | 140 | 50 | 30 | 25 | 130 | 275 |

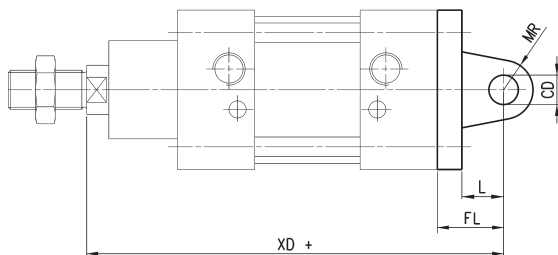
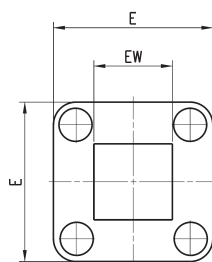
## Rear trunnion, male Mod. L

Material: stainless steel 316



Supplied:  
1x male trunnion  
4x screws

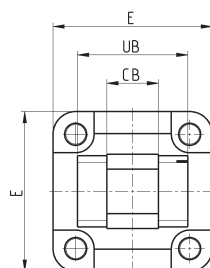
+ = add the stroke



| DIMENSIONS |     |    |    |     |    |    |    |     |
|------------|-----|----|----|-----|----|----|----|-----|
| Mod.       | Ø   | EW | CD | E   | FL | L  | MR | XD+ |
| L-90-32    | 32  | 26 | 10 | 45  | 22 | 12 | 10 | 142 |
| L-90-40    | 40  | 28 | 12 | 55  | 25 | 15 | 12 | 161 |
| L-90-50    | 50  | 32 | 12 | 65  | 27 | 17 | 12 | 170 |
| L-90-63    | 63  | 40 | 16 | 75  | 32 | 20 | 16 | 185 |
| L-90-80    | 80  | 50 | 16 | 95  | 36 | 22 | 16 | 210 |
| L-90-100   | 100 | 60 | 20 | 115 | 41 | 25 | 20 | 230 |
| L-90-125   | 125 | 70 | 25 | 140 | 50 | 30 | 25 | 275 |

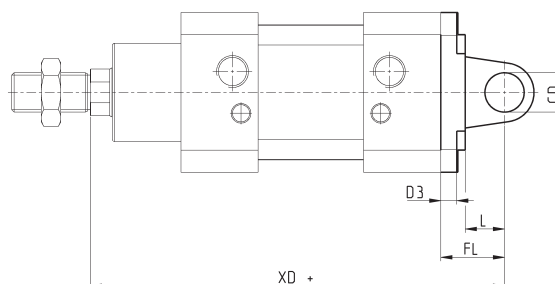
## Tight rear female trunnion bracket Mod. CR

Material: stainless steel 316



Supplied with:  
1x female trunnion bracket  
4x screws

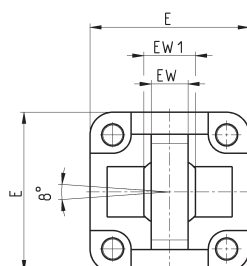
+ = add the stroke



| DIMENSIONS |     |    |    |     |    |    |    |     |     |
|------------|-----|----|----|-----|----|----|----|-----|-----|
| Mod.       | Ø   | CB | CD | E   | FL | L  | UB | XD  | D3  |
| CR-90-32   | 32  | 14 | 10 | 45  | 22 | 12 | 34 | 142 | 5.5 |
| CR-90-40   | 40  | 16 | 12 | 55  | 25 | 25 | 40 | 161 | 5.5 |
| CR-90-50   | 50  | 21 | 16 | 65  | 27 | 27 | 45 | 170 | 6.5 |
| CR-90-63   | 63  | 21 | 16 | 75  | 32 | 32 | 51 | 185 | 6.5 |
| CR-90-80   | 80  | 25 | 20 | 95  | 36 | 36 | 65 | 210 | 10  |
| CR-90-100  | 100 | 25 | 20 | 114 | 41 | 41 | 75 | 230 | 10  |
| CR-90-125  | 125 | 37 | 30 | 140 | 50 | 50 | 97 | 275 | 10  |

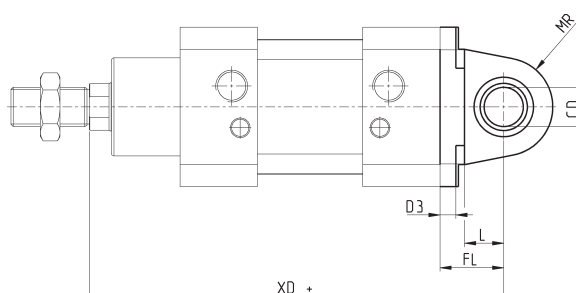
## Male trunnion bracket with swivel ball joint Mod. R

Material: stainless steel 316



Supplied with:  
1x male trunnion bracket  
4x screws

+ = add the stroke



| DIMENSIONS |     |      |     |    |     |    |    |    |     |     |
|------------|-----|------|-----|----|-----|----|----|----|-----|-----|
| Mod.       | Ø   | EW   | EW1 | CD | E   | FL | L  | MR | XD  | D3  |
| R-90-32    | 32  | 10.5 | 14  | 10 | 45  | 22 | 12 | 15 | 142 | 5.5 |
| R-90-40    | 40  | 12   | 16  | 12 | 55  | 25 | 15 | 18 | 161 | 5.5 |
| R-90-50    | 50  | 15   | 21  | 16 | 65  | 27 | 17 | 20 | 170 | 6.5 |
| R-90-63    | 63  | 15   | 21  | 16 | 75  | 32 | 20 | 23 | 185 | 6.5 |
| R-90-80    | 80  | 18   | 25  | 20 | 95  | 36 | 22 | 27 | 210 | 10  |
| R-90-100   | 100 | 18   | 25  | 20 | 115 | 41 | 25 | 30 | 230 | 10  |
| R-90-125   | 125 | 25   | 37  | 30 | 140 | 50 | 30 | 40 | 275 | 10  |

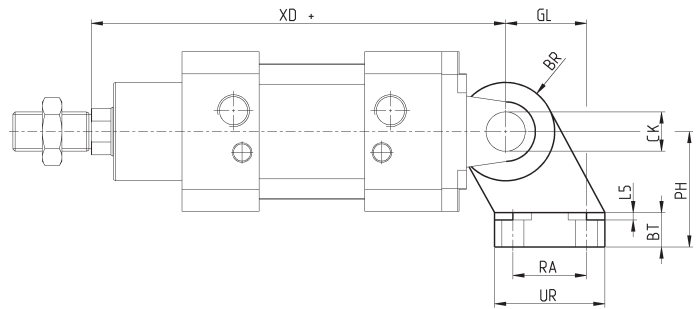
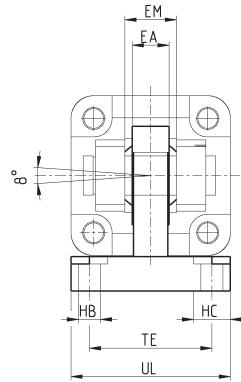
## 90° male trunnion bracket with swivel ball joint Mod. ZCR

Material: stainless steel 316



Supplied with:  
1x male trunnion bracket  
4x screws

+ = add the stroke



| DIMENSIONS |     |     |    |      |    |     |    |    |    |    |     |    |      |    |    |    |
|------------|-----|-----|----|------|----|-----|----|----|----|----|-----|----|------|----|----|----|
| Mod.       | Ø   | UL  | TE | EA   | EM | XD  | GL | BR | CK | PH | L5  | BT | HB   | RA | UR | HC |
| ZCR-90-32  | 32  | 51  | 38 | 10.5 | 14 | 142 | 21 | 15 | 10 | 32 | 1.5 | 10 | 6.6  | 18 | 31 | 11 |
| ZCR-90-40  | 40  | 54  | 41 | 12   | 16 | 160 | 24 | 18 | 12 | 36 | 1.5 | 10 | 6.6  | 22 | 35 | 11 |
| ZCR-90-50  | 50  | 65  | 50 | 15   | 21 | 170 | 33 | 20 | 16 | 45 | 1.5 | 12 | 9    | 30 | 45 | 15 |
| ZCR-90-63  | 63  | 67  | 52 | 15   | 21 | 190 | 37 | 23 | 16 | 50 | 1.5 | 12 | 9    | 35 | 50 | 15 |
| ZCR-90-80  | 80  | 86  | 66 | 18   | 25 | 210 | 47 | 27 | 20 | 63 | 2.5 | 14 | 11   | 40 | 60 | 18 |
| ZCR-90-100 | 100 | 96  | 76 | 18   | 25 | 230 | 55 | 30 | 20 | 71 | 2.5 | 15 | 11   | 50 | 70 | 18 |
| ZCR-90-125 | 125 | 124 | 94 | 25   | 37 | 275 | 70 | 40 | 30 | 90 | 3   | 20 | 13.5 | 60 | 90 | 20 |

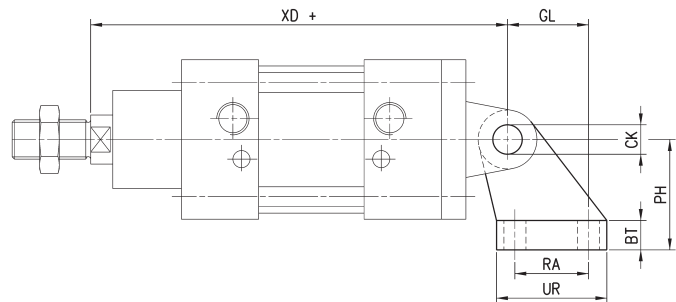
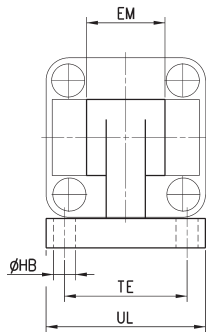
## 90° male trunnion Mod. ZC

Material: stainless steel 316



Supplied with:  
1x male support

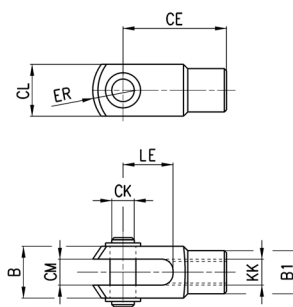
+ = add the stroke



| DIMENSIONS |     |    |    |    |    |     |    |    |    |     |    |     |
|------------|-----|----|----|----|----|-----|----|----|----|-----|----|-----|
| Mod.       | Ø   | BT | CK | EM | GL | ØHB | PH | RA | TE | UL  | UR | XD+ |
| ZC-90-32   | 32  | 8  | 10 | 26 | 21 | 6,6 | 32 | 18 | 38 | 51  | 31 | 142 |
| ZC-90-40   | 40  | 10 | 12 | 28 | 24 | 6,6 | 36 | 22 | 41 | 54  | 35 | 161 |
| ZC-90-50   | 50  | 12 | 12 | 32 | 33 | 9   | 45 | 30 | 50 | 65  | 45 | 170 |
| ZC-90-63   | 63  | 12 | 16 | 40 | 37 | 9   | 50 | 35 | 52 | 67  | 50 | 185 |
| ZC-90-80   | 80  | 14 | 16 | 50 | 47 | 11  | 63 | 40 | 66 | 86  | 60 | 210 |
| ZC-90-100  | 100 | 15 | 20 | 60 | 55 | 11  | 71 | 50 | 76 | 96  | 70 | 230 |
| ZC-90-125  | 125 | 20 | 25 | 70 | 70 | 14  | 90 | 60 | 94 | 124 | 90 | 275 |

## Rod fork end Mod. G-90

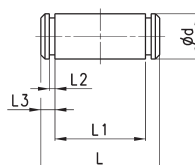
Material: stainless steel 303  
ISO 8140



| DIMENSIONS  |        |     |    |    |    |    |     |          |    |     |
|-------------|--------|-----|----|----|----|----|-----|----------|----|-----|
| Mod.        | Ø      | ØCK | LE | CM | CL | ER | CE  | KK       | B  | ØB1 |
| G-90-25-32  | 32     | 10  | 20 | 10 | 20 | 12 | 40  | M10x1,25 | 26 | 18  |
| G-90-40     | 40     | 12  | 24 | 12 | 24 | 14 | 48  | M12x1,25 | 31 | 20  |
| G-90-50-63  | 50-63  | 16  | 32 | 16 | 32 | 19 | 64  | M16x1,5  | 39 | 26  |
| G-90-80-100 | 80-100 | 20  | 40 | 20 | 40 | 25 | 80  | M20x1,5  | 50 | 34  |
| G-90-125    | 125    | 30  | 54 | 30 | 55 | 38 | 110 | M27x2    | 67 | 48  |

## Clevis pin Mod. S-90

Material: stainless steel 303

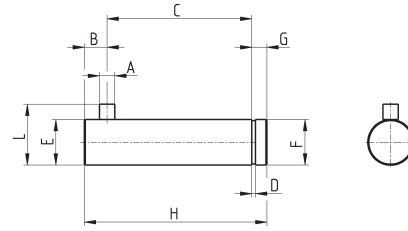


| DIMENSIONS |     |    |     |     |     |     |
|------------|-----|----|-----|-----|-----|-----|
| Mod.       | Ø   | Ød | L   | L1  | L2  | L3  |
| S-90-32    | 32  | 10 | 53  | 46  | 1,1 | 3   |
| S-90-40    | 40  | 12 | 60  | 53  | 1,1 | 3   |
| S-90-50    | 50  | 12 | 68  | 61  | 1,1 | 3   |
| S-90-63    | 63  | 16 | 78  | 71  | 1,1 | 3   |
| S-90-80    | 80  | 16 | 98  | 91  | 1,1 | 3   |
| S-90-100   | 100 | 20 | 118 | 111 | 1,3 | 5   |
| S-90-125   | 125 | 25 | 139 | 132 | 1,3 | 4,2 |

## Antirotating clevis pin Mod. SR-90



Supplied with:  
1x antirotating clevis pin  
(stainless steel 316)  
1x seeger (steel)



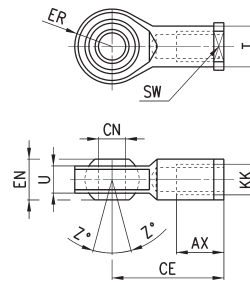
| DIMENSIONS |    |   |     |      |     |    |      |   |    |    |
|------------|----|---|-----|------|-----|----|------|---|----|----|
| Mod.       | Ø  | A | B   | C    | D   | E  | F    | G | H  | L  |
| SR-90-32   | 32 | 3 | 4.5 | 32.5 | 1.1 | 10 | 9.6  | 4 | 41 | 14 |
| SR-90-40   | 40 | 4 | 6   | 38   | 1.1 | 12 | 11.5 | 4 | 48 | 46 |
| SR-90-50   | 50 | 4 | 6   | 43   | 1.1 | 16 | 15.2 | 5 | 54 | 20 |
| SR-90-63   | 63 | 4 | 6   | 49   | 1.1 | 16 | 15.2 | 5 | 60 | 20 |

## Swivel ball joint Mod. GA-90



ISO 8139

Materials:  
- stainless steel 304 bracket  
- stainless steel 420 spherical ring  
- sintered bronze bushing



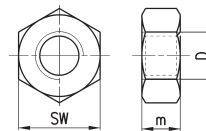
| DIMENSIONS   |        |     |      |    |    |    |     |          |      |     |    |
|--------------|--------|-----|------|----|----|----|-----|----------|------|-----|----|
| Mod.         | Ø      | ØCN | U    | EN | ER | AX | CE  | KK       | ØT   | Z   | SW |
| GA-90-32     | 32     | 10  | 10,5 | 14 | 14 | 20 | 43  | M10x1,25 | 15   | 6,5 | 17 |
| GA-90-40     | 40     | 12  | 12   | 16 | 16 | 22 | 50  | M12x1,25 | 17,5 | 6,5 | 19 |
| GA-90-50-63  | 50-63  | 16  | 15   | 21 | 21 | 28 | 64  | M16x1,5  | 22   | 7,5 | 22 |
| GA-90-80-100 | 80-100 | 20  | 18   | 25 | 21 | 33 | 77  | M20x1,5  | 27,5 | 7   | 30 |
| GA-90-125    | 125    | 30  | 25   | 35 | 35 | 51 | 110 | M27x2    | 40   | 7,5 | 41 |

## Piston rod lock nut Mod. U-90



ISO 4035

Material: stainless steel 304



| DIMENSIONS  |        |          |    |    |
|-------------|--------|----------|----|----|
| Mod.        | Ø      | D        | m  | SW |
| U-90-25-32  | 32     | M10x1,25 | 6  | 17 |
| U-90-40     | 40     | M12x1,25 | 7  | 19 |
| U-90-50-63  | 50-63  | M16x1,5  | 8  | 24 |
| U-90-80-100 | 80-100 | M20x1,5  | 9  | 30 |
| U-90-125    | 125    | M27x2    | 12 | 41 |