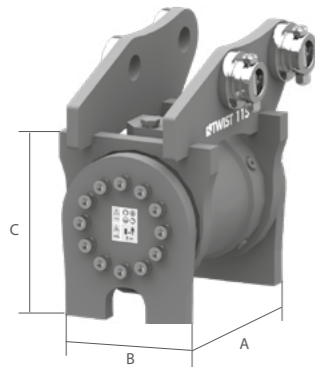




**NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)**

THE BI-DIRECTIONAL HYDRAULIC ACTUATOR ENABLES TO TILT TOOLS OR QUICK COUPLERS AND TO SIMPLIFY THE DIGGING OPERATIONS ALSO IN PLACES DIFFICULT TO REACH.



| TONS (LB)                                   | 1,2 - 2,0 (2646 - 5511) | 1,8 - 4,0 (5511 - 8818) | 4,0 - 6,0 (8818 - 13228) | 6,0 - 9,0 (13228 - 19842) | 9,0 - 11,0 (19842 - 24251) | 11,0 - 16,0 (24251 - 35274) | 15,0 - 23,0 (33069 - 50706) |            |
|---|-------------------------|-------------------------|--------------------------|---------------------------|----------------------------|-----------------------------|-----------------------------|------------|
| <b>MOD.</b>                                 | <b>TWIST 100</b>        | <b>TWIST 115</b>        | <b>TWIST 125</b>         | <b>TWIST 160</b>          | <b>TWIST 180</b>           | <b>TWIST 240</b>            | <b>TWIST 250</b>            |            |
| <b>A</b> MM (IN)                            | 245 (9,6)               | 315 (12,4)              | 325 (12,8)               | 420 (16,5)                | 485 (19,1)                 | 532 (20,9)                  | 580 (22,8)                  |            |
| <b>B</b> MM (IN)                            | 190 (7,5)               | 235 (7,4)               | 188 (7,4)                | 220 (8,6)                 | 315 (12,4)                 | 345 (13,6)                  | 412 (16,2)                  |            |
| <b>C</b> MM (IN)                            | 203 (8,0)               | 215 (8,5)               | 265 (10,4)               | 290 (11,4)                | 345 (13,6)                 | 400 (15,7)                  | 420 (16,5)                  |            |
| <b>W/O COUPLER, PLATE AND QUICK COUPLER</b> | KG (LB)                 | 27 (60)                 | 43 (95)                  | 61 (135)                  | 113 (249)                  | 150 (331)                   | 206 (454)                   | 330 (729)  |
| <b>TILT ANGLE</b>                           |                         | 178                     | 178                      | 178                       | 178                        | 180                         | 180                         | 180        |
| <b>MAX</b>                                  | L/MIN (GAL/MIN)         | 8 (2,1)                 | 10 (2,6)                 | 15 (3,9)                  | 25 (6,6)                   | 30 (7,9)                    | 30 (7,9)                    | 40 (10,5)  |
| <b>MAX</b>                                  | BAR (PSI)               | 210 (3046)              | 210 (3046)               | 210 (3046)                | 210 (3046)                 | 190 (2756)                  | 250 (3626)                  | 250 (3626) |

- W/O COUPLER, PLATE AND QUICK COUPLER
- TILT ANGLE
- MAX
- MAX



**STANDARD TECHNICAL FEATURES**

**1 BLOCK VALVE**  
IT ENABLES TO KEEP THE POSITION DECIDED BY THE OPERATOR.

**OPTIONAL**

**2 HYDRAULIC INSTALLATION KIT**  
WITH THE HYDRAULIC QUICK COUPLER THE INSTALLATION KIT CAN BE PROVIDED, INCLUDING SOLENOID VALVE AND ELECTRIC SWITCH WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB.  
AVAILABLE IN SINGLE EFFECT VERSION (A) OR IN D.E. VERSION - DOUBLE EFFECT (B)

**3 LIFTING HOOK**  
UPON REQUEST, A LOADING HOOK WILL BE FITTED, COVERED WITH AN APPROVAL ON THE CONFORMITY DECLARATION OF OUR PRODUCT.  
**NB\* THE LIFTING CAPACITY OF THE HOOK IS ADJUSTED ACCORDING TO THE SUPPORT TO WHICH THE HOOK IS APPLIED. THIS CAPACITY IS INDICATED IN THE PRODUCT'S OWNER'S MANUAL.**

**MATCHING QUICK COUPLERS**

- 4 AR Fast Lock
- 5 CR Twin Lock • CR Twin Lock D.E.
- 6 CS Schnappmatic • CS Schnappmatic D.E.
- 7 CS Schnappmatic D.E. CS 100
- 8 M'LOCK SA-M'LOCK DE
- 9 S Nordic System • S Nordic System D.E.
- 10 PL Pin Lock • PL Pin Lock D.E.
- 11 CW Aut'o'Lock
- 12 CW Hand'o'Lock • CW Hand'o'Lock D.E.

## MATCHING QUICK COUPLERS



|    |   | TONS<br>(LB) | 1,2 - 2,0<br>(2646 - 3968) | 1,8 - 2,5<br>(3968 - 5512) | 2,5 - 4,0<br>(5512 - 8818) |  | 4,0 - 5,0<br>(8818 - 11023) | 5,0 - 6,0<br>(11023 - 13228) | 6,0 - 7,5<br>(13228 - 16535) | 7,5 - 9,0<br>(16535 - 19842) | 9,0 - 10,0<br>(19842 - 22046) | 10,0 - 12,0<br>(22046 - 26456) | 11,0 - 16,0<br>(24251 - 35274) | 15,0 - 23,0<br>(33069 - 50706) |
|----|---|--------------|----------------------------|----------------------------|----------------------------|--|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
|    |   |              | <b>TWIST 100</b>           | <b>TWIST 115</b>           | <b>TWIST 115</b>           |  | <b>TWIST 125</b>            | <b>TWIST 125</b>             | <b>TWIST 160</b>             | <b>TWIST 160</b>             | <b>TWIST 180</b>              | <b>TWIST 180</b>               | <b>TWIST 240</b>               | <b>TWIST 250</b>               |
| 4  | AR FAST LOCK MECHANICAL SEMI-AUTOMATIC      |              | <b>AR 15 S.A.</b>          | <b>AR 30 S.A.</b>          | <b>AR 40 S.A.</b>          |  | <b>AR 50 S.A.</b>           | <b>AR 50 S.A.</b>            | <b>AR 70 S.A.</b>            | -                            | -                             | -                              | -                              | -                              |
|    | AR FAST LOCK HYDRAULIC SINGLE EFFECT        |              | <b>AR 15 S.E.</b>          | <b>AR 30 S.E.</b>          | <b>AR 40 S.E.</b>          |  | <b>AR 50 S.E.</b>           | <b>AR 50 S.E.</b>            | <b>AR 70 S.E.</b>            | -                            | -                             | -                              | -                              | -                              |
| 5  | CR TWIN LOCK MECHANICAL SEMI-AUTOMATIC      |              | <b>CR 15 S.A.</b>          | <b>CR 30 S.A.</b>          | <b>CR 40 S.A.</b>          |  | <b>CR 50 S.A.</b>           | <b>CR 50 S.A.</b>            | <b>CR 70 S.A.</b>            | <b>CR 70 S.A.</b>            | <b>CR 70 S.A.</b>             | <b>CR 70 S.A.</b>              | -                              | -                              |
|    | CR TWIN LOCK HYDRAULIC SINGLE EFFECT        |              | <b>CR 15 S.E.</b>          | <b>CR 30 S.E.</b>          | <b>CR 40 S.E.</b>          |  | <b>CR 50 S.E.</b>           | <b>CR 50 S.E.</b>            | <b>CR 70 S.E.</b>            | <b>CR 70 S.E.</b>            | <b>CR 70 S.E.</b>             | <b>CR 70 S.E.</b>              | -                              | -                              |
|    | CR TWIN LOCK HYDRAULIC DOUBLE EFFECT        |              | <b>CR 15 D.E.</b>          | <b>CR 30 D.E.</b>          | <b>CR 40 D.E.</b>          |  | <b>CR 50 D.E.</b>           | <b>CR 50 D.E.</b>            | <b>CR 70 D.E.</b>            | <b>CR 70 D.E.</b>            | <b>CR 70 D.E.</b>             | <b>CR 70 D.E.</b>              | -                              | -                              |
| 6  | CS SCHNAPPMATIC MECHANICAL SEMI-AUTOMATIC   |              | <b>CS 10 S.A.</b>          | <b>CS 10 S.A.</b>          | <b>CS 30 S.A.</b>          |  | <b>CS 30 S.A.</b>           | <b>CS 80 S.A.</b>            | <b>CS 80 S.A.</b>            | <b>CS 80 S.A.</b>            | <b>CS 80 S.A.</b>             | <b>CS 80 S.A.</b>              | -                              | -                              |
|    | CS SCHNAPPMATIC HYDRAULIC SINGLE EFFECT     |              | <b>CS 10 S.E.</b>          | <b>CS 10 S.E.</b>          | <b>CS 30 S.E.</b>          |  | <b>CS 30 S.E.</b>           | <b>CS 80 S.E.</b>            | <b>CS 80 S.E.</b>            | <b>CS 80 S.E.</b>            | <b>CS 80 S.E.</b>             | <b>CS 80 S.E.</b>              | -                              | -                              |
|    | CS SCHNAPPMATIC HYDRAULIC DOUBLE EFFECT     |              | <b>CS 10 D.E.</b>          | <b>CS 10 D.E.</b>          | <b>CS 30 D.E.</b>          |  | <b>CS 30 D.E.</b>           | <b>CS 80 D.E.</b>            | <b>CS 80 D.E.</b>            | <b>CS 80 D.E.</b>            | <b>CS 80 D.E.</b>             | <b>CS 80 D.E.</b>              | -                              | -                              |
| 7  | CS 100 SCHNAPPMATIC HYDRAULIC DOUBLE EFFECT |              | -                          | -                          | -                          |  | -                           | -                            | -                            | -                            | -                             | -                              | <b>CS 100 D.E.</b>             | <b>CS 100 D.E.*</b>            |
| 8  | M'LOCK MECHANICAL SEMI-AUTOMATIC            |              | <b>M'LOCK 30 S.A.</b>      | <b>M'LOCK 30 S.A.</b>      | <b>M'LOCK 30 S.A.</b>      |  | <b>M'LOCK 100 S.A.</b>      | <b>M'LOCK100 S.A.</b>        | <b>M'LOCK 100 S.A.</b>       | <b>M'LOCK 100 S.A.</b>       | <b>M'LOCK100 S.A.</b>         | -                              | -                              | -                              |
|    | M'LOCK HYDRAULIC DOUBLE EFFECT              |              | <b>M'LOCK 30 D.E.</b>      | <b>M'LOCK 30 D.E.</b>      | <b>M'LOCK30 D.E.</b>       |  | <b>M'LOCK 100 D.E.</b>      | <b>M'LOCK 100 D.E.</b>       | <b>M'LOCK 100 D.E.</b>       | <b>M'LOCK 100 D.E.</b>       | <b>M'LOCK 100 D.E.</b>        | <b>M'LOCK 180 D.E.</b>         | <b>M'LOCK 180 D.E.</b>         | <b>M'LOCK 180 D.E.*</b>        |
| 9  | S NORDIC SYSTEM MECHANICAL SEMI-AUTOMATIC   |              | <b>S 30-150/180 S.A.</b>   | <b>S 30-150/180 S.A.</b>   | <b>S 40-200 S.A.</b>       |  | <b>S 40-200 S.A.</b>        | <b>S 40-200 S.A.</b>         | -                            | -                            | -                             | -                              | -                              | -                              |
|    | S NORDIC SYSTEM HYDRAULIC DOUBLE EFFECT     |              | <b>S 30-150/180 D.E.</b>   | <b>S 30-150/180 D.E.</b>   | <b>S 40-200 D.E.</b>       |  | <b>S 40-200 D.E.</b>        | <b>S 40-200 D.E.</b>         | <b>S 45 D.E.</b>             | <b>S 45 D.E.</b>             | <b>S 45 D.E.</b>              | <b>S 45 D.E.</b>               | <b>S 60 D.E.</b>               | <b>S 60 D.E.*</b>              |
| 10 | PL PIN LOCK MECHANICAL                      |              | <b>PL 10</b>               | <b>PL 20</b>               | <b>PL 40</b>               |  | <b>PL 60</b>                | <b>PL 60</b>                 | <b>PL 60</b>                 | <b>PL 80</b>                 | <b>PL 80</b>                  | -                              | -                              | -                              |
|    | PL PIN LOCK HYDRAULIC DOUBLE EFFECT         |              | -                          | -                          | <b>PL 40 D.E.</b>          |  | <b>PL 60 D.E.</b>           | <b>PL 60 D.E.</b>            | <b>PL 60 D.E.</b>            | <b>PL 80 D.E.</b>            | <b>PL 80 D.E.</b>             | <b>PL 100 D.E.</b>             | <b>PL 100 D.E.</b>             | -                              |
| 11 | CW AUTO'O'LOCK MECHANICAL SEMI-AUTOMATIC    |              | <b>CW 05 S.A.</b>          | <b>CW 05 S.A.</b>          | <b>CW 05 S.A.</b>          |  | <b>CW 10 S.A.</b>           | <b>CW 10 S.A.</b>            | <b>CW 10 S.A.</b>            | <b>CW 10 S.A.</b>            | <b>CW 10 S.A.</b>             | -                              | -                              | -                              |
| 12 | CW HAND'O'LOCK MECHANICAL                   |              | <b>CW 05</b>               | <b>CW 05</b>               | <b>CW 05</b>               |  | <b>CW 10</b>                | <b>CW 10</b>                 | <b>CW 10</b>                 | <b>CW 10</b>                 | <b>CW 10</b>                  | -                              | -                              | -                              |
|    | CW HAND'O'LOCK HYDRAULIC DOUBLE EFFECT      |              | <b>CW 05 D.E.</b>          | <b>CW 05 D.E.</b>          | <b>CW 05 D.E.</b>          |  | <b>CW 10 D.E.</b>           | <b>CW 10 D.E.</b>            | <b>CW 10 D.E.</b>            | <b>CW 10 D.E.</b>            | <b>CW 10 D.E.</b>             | <b>CW 20S D.E.</b>             | <b>CW 20S D.E.</b>             | <b>CW 30S D.E.</b>             |

\* MAX 18,00 TON