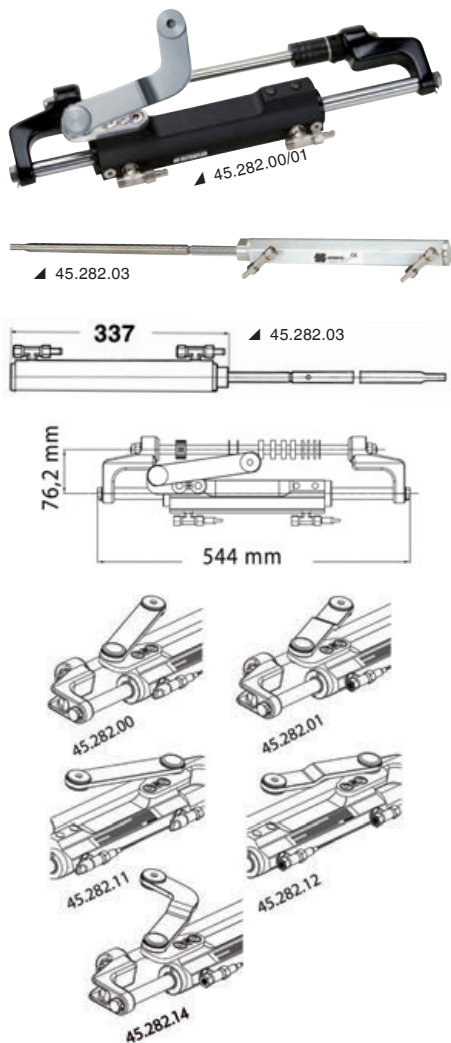




## Hydraulic cylinder for outboard engines

| Motor                     | Model                                                                                                                                                                                                                                                            | Year                                                                                                                                                                       | Cylinder                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MERCURY<br>and<br>MARINER | 115-125-150 EFI 2S;<br>225-250 EFI 2S;<br>75-90-115 Optimax;<br>135-150-175 Optimax;<br>200-225-250 Optimax;<br>Racing 300 Optimax;<br>100-115 EFI 4T;<br>250 Saltwater EFI 4S;<br>135-150-175-200 Verado L4;<br>Fourstroke 175-200 V8;<br>Fourstroke 225-300 V8 | 1990-2007;<br>2000-2007;<br>2004-present;<br>1999-present;<br>1999-present;<br>1999-2011;<br>2007-present;<br>2007-2011;<br>2004-present;<br>2018-present;<br>2018-present | UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/3;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1 |
|                           | E75-E90 2S;<br>E115-E130-E135 2S V4;<br>E150-E175-E200-E225-E250-E300 2S V6                                                                                                                                                                                      | 2004-present;<br>1995-present;<br>1995-present                                                                                                                             | UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/2                                                                                                                                 |
| Yamaha                    | 115C-130B 2S;<br>75C-90 2S;<br>F70 4S;<br>150F-200F-250G 2S;<br>150 HPDI VMAX 2S;<br>175-200-225-250-300 HPDI VMAX 2S;<br>F115-F150 EFI 4S;<br>F200-F225-F250 4S;<br>F115-F130-F150D-F150F-F175A-F200F-F200G L4;<br>F200-F225-F250-F300 V6 4S                    | 1990-2008;<br>1998-2008;<br>2010-today;<br>1990-2008;<br>1996-2007;<br>2000-2008;<br>2000-2008;<br>1999-2007;<br>2002-today;<br>2004-today                                 | UC128-OBF/2;<br>UC128-OBF/2;<br>UC128P-OBF/1;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/1;<br>UC128-OBF/2                |
|                           | BF75-BF90 4S;<br>BF115-BF130 4S;<br>BF135-BF150 4S;<br>BF150 V-TEC 4S;<br>BF175-BF200-BF225-BF250 4S                                                                                                                                                             | 1995-present;<br>1998-present;<br>2005-present;<br>2008-present;<br>2001-present                                                                                           | UC128-OBF/1;<br>UC128-OBF/3;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1                                                                                                 |
| Suzuki                    | DF70-80-90 4S;<br>DF100-115-140 4S*;<br>DF150-175-DF200 L4 4S;<br>DF200-DF225-DF250-DF300-V6 4S                                                                                                                                                                  | 1998-today;<br>2008-today;<br>2006-today<br>2004-today                                                                                                                     | UC128-OBF/2;<br>UC128-OBF/1*;<br>UC128-OBF/1;<br>UC128-OBF/2                                                                                                                |
|                           | 115-120-140 2S;<br>70-90-115 TLDI 4S;<br>MFS50-60-75-90-100-115 4S;<br>BFT115-150-200-225-250 4S;<br>BFT60-75-80-90-100 4S                                                                                                                                       | 2004-present;<br>2004-present;<br>2018-present;<br>2014-present;<br>2015-present                                                                                           | UC128-OBF/2;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1;<br>UC128-OBF/1                                                                                                 |
| Selva                     | 80 Portofino/Tigershark 2S;<br>150 White Shark 2S;<br>100EFI Marlin -115 EFI Narwhal-;<br>225 Beaked Whale 4S;<br>100-150 EFI Killer Whale 4S 200 SEI Whale 4S                                                                                                   | 1995-2008;<br>2001-2007;<br>2000-today;<br>2019-today;<br>2000-today                                                                                                       | UC128-OBF/1;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/1                                                                                                 |
|                           | BJ90-115-140 4S;<br>J90-115 V4 2S;<br>J150-175 V6 2S;<br>J200-225 V6 4S                                                                                                                                                                                          | 2001-2007;<br>1995-2007;<br>1995-2007;<br>2004-2007                                                                                                                        | UC128-OBF/1;<br>UC128-OBF/2;<br>UC128-OBF/2;<br>UC128-OBF/2                                                                                                                 |

\*NOTE: when ordering Suzuki® models made from 1998 to 2008 (old model) and cylinder UC128-OBF/1, please also order adjusting kit 45.419.54.

For higher power uses, we recommend the "high performance" SilverSteer™ cylinder.

| Code      | Mounting          | Balanced | Volume cc | Thrust kg | Stroke mm | Pipe joints | Type          |
|-----------|-------------------|----------|-----------|-----------|-----------|-------------|---------------|
| 45.282.00 | front right       | Yes      | 120       | 450       | 185       | 3/8"        | UC-128-OBF/1  |
| 45.282.01 | front right       | Yes      | 120       | 450       | 185       | 3/8"        | UC-128-OBF/2  |
| 45.282.11 | front left        | Yes      | 120       | 450       | 185       | 3/8"        | UC-128P OBF/1 |
| 45.282.12 | front left        | Yes      | 120       | 450       | 185       | 3/8"        | UC-128P OBF/2 |
| 45.282.14 | Front             | Yes      | 120       | 450       | 185       | 3/8"        | UC-128 OBF/3  |
| 45.282.03 | side, non trimmed | no       | 132/163   | 455/563   | 203       | 3/8"        | UC 132 OBS    |

## HOW TO ORDER ITEM 45.282.01

Technical specifications and buying advice for steering systems

| SYSTEM                                                                                                                                                                                     | Components list                           | Codes              | Quantity |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------|----------|
| <p><b>Single-cylinder single-engine</b><br/>Steering wheel turns: 4.5<br/>Application up to 300 hp max</p>                                                                                 | Cylinder pump                             | 45.282..           | 1        |
|                                                                                                                                                                                            | Pipe kit                                  | 45.280.00/01       | 1        |
| <p><b>Twin-engine single cylinder</b><br/>Steering wheel revolutions: 4.8/4.3<br/>Application up to: 300 hp max (engines not counter-rotating); 500 hp max (counter-rotating engines)</p>  | Oil                                       | 45.290.35..        | 1        |
|                                                                                                                                                                                            | Add steering wheel for additional station | 45.027.01          | 2        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | pump                                      | -                  | 1        |
|                                                                                                                                                                                            | Joint kit                                 | 45.280.00/01       | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Pipe kit                                  | 45.290.15          | 1        |
|                                                                                                                                                                                            | Oil                                       | 45.290.35..        | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Add connection bar for additional station | 45.027.01          | 2        |
|                                                                                                                                                                                            | pump                                      | at 94              | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Joint kit                                 | 45.280.00/02       | 1        |
|                                                                                                                                                                                            | Pipe kit                                  | 45.290.15          | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Oil                                       | 45.290.35..        | 1        |
|                                                                                                                                                                                            | Add connection bar for additional station | 45.027.01          | 2        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Cylinder pump                             | 45.282..right/left | 2        |
|                                                                                                                                                                                            | Pipe kit                                  | 45.280.03/33       | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Kit T-connections                         | 45.290.35..        | 2        |
|                                                                                                                                                                                            | Oil                                       | Standard           | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Add connection bar for additional station | 45.027.01          | 4        |
|                                                                                                                                                                                            | pump                                      | at 90              | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Joint kit                                 | 45.280.03          | 1        |
|                                                                                                                                                                                            | Pipe kit                                  | 45.290.15          | 1        |
| <p><b>Twin engine double cylinder</b><br/>Steering wheel rotations: 6.1/5.3<br/>Applications: up to 500 hp max (engines not counter-rotating); up to 600 hp (counter-rotating engines)</p> | Oil                                       | 45.290.35..        | 1        |
|                                                                                                                                                                                            | Add connection bar for additional station | 45.027.01          | 2        |



Cylinder 45.282.00/01 is not recommended if maximum speed of the boat exceeds 60 knots