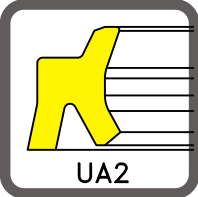
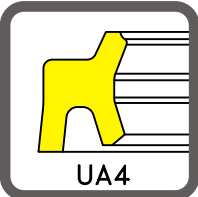
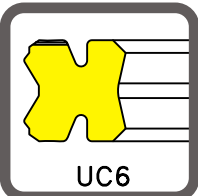
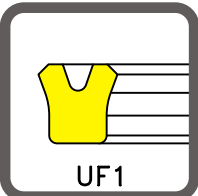
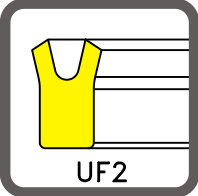
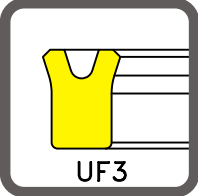
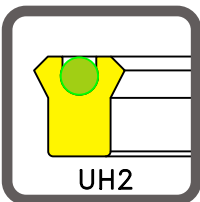


# Hydraulic Seals

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|  <p>UA2</p>   | <p><b>Double Lip Rod Wiper</b><br/>         This seal prevents entry of dust, and protects equipment by maintaining sealing performance of the packing. It can be fitted into an integrated groove. It's a double-lip all rubber wiper seal that prevents oil scraping off.</p>    | <p>Material : NBR/FKM<br/>         Working Temperature: -10 ~ +150C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 7-8)</p>  |
|  <p>UA4</p>   | <p><b>PU Double Lip Rod Wiper</b><br/>         This seal prevents entry of dust, and protects equipment by maintaining sealing performance of the packing. It can be fitted into an integrated groove. It's a double-lip all rubber wiper seal that prevents oil scraping off.</p> | <p>Material : ESTER TPU<br/>         Working Temperature: -30 ~ +80C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 9)</p>   |
|  <p>UC6</p>  | <p><b>Packing for Piston</b><br/>         Special one ring shaped packing for both sides pressure with seal lip. Has the same sealing performance as U-packing. Possible to make a piston compact. PWL-Bearings for bearings combined with back-up rings are being prepared.</p>   | <p>Material : NBR/FKM<br/>         Working Pressure: ≤ 14 Mpa<br/>         Working Temperature: -10 ~ +150C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 15)</p>     |
|  <p>UF1</p> | <p><b>Symmetrical Piston/ Rod U-Cup Seal</b><br/>         This can be used for both piston and rod seals, and has a small section that can be fitted into an integrated groove.</p>  | <p>Material : NBR/FKM<br/>         Working Pressure: ≤ 14 Mpa<br/>         Working Temperature: -10 ~ +150C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 19-20)</p>  |
|  <p>UF2</p> | <p><b>Symmetrical Piston/ Rod U-Cup Seal</b><br/>         This can be used for both piston and rod seals. It has a large section and can be used for a wide range of operations, with excellent wear resistance and sealing ability.</p>   | <p>Material : ESTER TPU<br/>         Working Pressure: ≤ 35 Mpa<br/>         Working Temperature: -30 ~ +80C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 21-22)</p> |
|  <p>UF3</p> | <p><b>Symmetrical Piston/ Rod U-Cup Seal</b><br/>         This packing can be used for both piston and rod seals, and has a large section which can be used for a wide range of operations. Wide variations of size are available.</p>   | <p>Material : NBR/FKM<br/>         Working Pressure: ≤ 15 Mpa<br/>         Working Temperature: -10 ~ +150C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 23-25)</p>  |

# Hydraulic Seals

|   |  |  |
|---|--|--|
|  <p>UF4</p>  | <p><b>PU Symmetrical Piston/Rod U-Cup Seal PU</b></p> <p>Used for both piston and rod seals, this packing has a small section and can be fitted in an integrated groove. Improved design prevents damages caused by back pressure.</p>   | <p>Material : ESTER TPU<br/>         Working Pressure: ≤ 21 Mpa<br/>         Working Temperature: -30 ~ +80C°<br/>         Surface Speed: ≤ 1.0 m/s<br/>         Application : Hydraulic</p> <p>(Page 26-27)</p> |
|  <p>UH1</p>  | <p><b>Symmetrical Piston/Rod U-Cup Seal</b></p> <p>The O-Ring energized lips assure a uniform, positive lip contact plus excellent low pressure sealing. Seal depth is equal to radial width. UH1 is used to interchange an existing hydraulic packing and/or O-Rings.</p>   | <p>Material : ESTER TPU<br/>         Working Pressure: ≤ 35 Mpa<br/>         Working Temperature: -30 ~ +80C°<br/>         Surface Speed: ≤ 0.8 m/s<br/>         Application : Hydraulic</p> <p>(Page 30-31)</p> |
|  <p>UH2</p> | <p><b>Symmetrical Piston/ Rod U-Cup Seal</b></p> <p>The back beveled sealing lip provides greater film breaking and increased until loading at the sealing surface. Seal depth is generally 1.5 times the cross section of radial width to insure seal stability in most rugged applications. ROD SEAL use is preferred.</p> | <p>Material : ESTER TPU<br/>         Working Pressure: ≤ 35 Mpa<br/>         Working Temperature: -30 ~ +80C°<br/>         Surface Speed: ≤ 0.8 m/s<br/>         Application : Hydraulic</p> <p>(Page 32-33)</p> |