



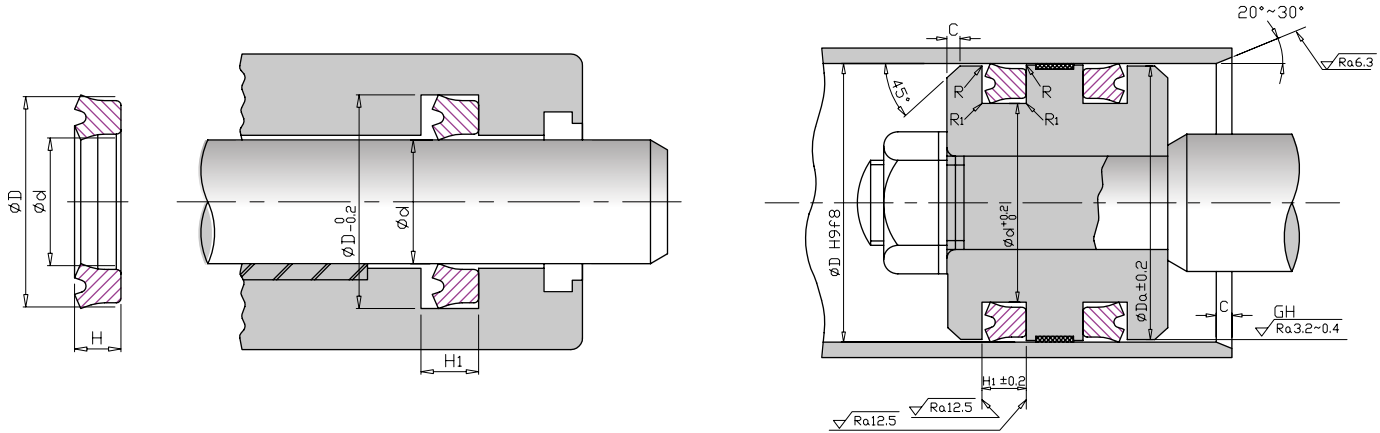
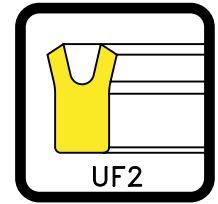
TOPSEAL

SEAL IS SOMETHING · QUALITY IS EVERYTHING

UF2 SERIES HYDRAULIC

UF2 Series

TPU Symmetrical Piston & Rod U-Cup Seal



ESTER TPU 95 PHYSICAL PROPERTIES

| | | | |
|---|------------------------|------------|----------------------|
| Working Pressure: ≤ 35 Mpa | Hardness | 95 Shore A | DIN53505 |
| Working Temperature: $-35^\circ\text{C} \sim +80^\circ\text{C}$ | | 95 Shore A | ASTM D2240 |
| Surface Speed: ≤ 0.8 m/s | Tensile Strength | 50 Mpa | DIN53504 |
| Media: Mineral Oil | | 7252 psi | ASTM D-412 |
| Abrasion Resistance | 35mm ³ | DIN53516 | Elongation |
| Compression Set | 30% | DIN53517 | 515 % |
| 24 hrs @ 100 °C | 30% | ASTM D-395 | 515 % |
| Specific gravity | 1.18 g/cm ³ | DIN53479 | Tear Strength |
| | 1.18 g/cm ³ | ASTM D-972 | 140 N/mm |
| | | | 799 pli |
| | | | Standard Compound |
| | | | KC9502AN / KC9502BL |
| | | | Color |
| | | | Gray ● / Dark Blue ● |

| CODE | d (mm) | D (mm) | H | H1 | Da |
|---------|--------|--------|------|------|------|
| UF20001 | 6.3 | 16.3 | 8.0 | 9.0 | 15.3 |
| UF20002 | 7.1 | 17.1 | 8.0 | 9.0 | 16.1 |
| UF20003 | 8.0 | 18.0 | 8.0 | 9.0 | 17.0 |
| UF20004 | 9.0 | 19.0 | 8.0 | 9.0 | 18.0 |
| UF20005 | 10.0 | 20.0 | 8.0 | 9.0 | 19.0 |
| UF20006 | 11.2 | 21.2 | 8.0 | 9.0 | 20.2 |
| UF20007 | 12.0 | 25.0 | 8.0 | 9.0 | 24.0 |
| UF20008 | 12.5 | 22.5 | 8.0 | 9.0 | 21.5 |
| UF20009 | 14.0 | 24.0 | 8.0 | 9.0 | 23.0 |
| UF20010 | 15.0 | 25.0 | 8.0 | 9.0 | 24.0 |
| UF20011 | 16.0 | 26.0 | 8.0 | 9.0 | 25.0 |
| UF20012 | 16.0 | 32.0 | 10.0 | 11.0 | 31.0 |
| UF20013 | 18.0 | 28.0 | 8.0 | 9.0 | 27.0 |
| UF20014 | 18.0 | 31.0 | 10.0 | 11.0 | 30.0 |
| UF20015 | 20.0 | 30.0 | 8.0 | 9.0 | 29.0 |
| UF20016 | 20.0 | 33.0 | 10.0 | 11.0 | 32.0 |

| CODE | d (mm) | D (mm) | H | H1 | Da |
|---------|--------|--------|------|------|------|
| UF20017 | 20.0 | 35.0 | 10.0 | 11.0 | 34.0 |
| UF20018 | 21.5 | 31.5 | 8.0 | 9.0 | 30.5 |
| UF20019 | 22.0 | 32.0 | 8.0 | 9.0 | 31.0 |
| UF20020 | 22.0 | 35.0 | 10.0 | 11.0 | 34.0 |
| UF20021 | 22.4 | 30.0 | 5.0 | 5.7 | 29.0 |
| UF20022 | 22.4 | 32.4 | 8.0 | 9.0 | 31.4 |
| UF20023 | 25.0 | 35.0 | 8.0 | 9.0 | 34.0 |
| UF20024 | 25.0 | 38.0 | 8.0 | 9.0 | 37.0 |
| UF20025 | 25.0 | 40.0 | 10.0 | 11.0 | 39.0 |
| UF20026 | 25.0 | 45.0 | 12.0 | 13.0 | 44.0 |
| UF20027 | 25.5 | 35.5 | 8.0 | 9.0 | 34.5 |
| UF20028 | 28.0 | 35.5 | 5.0 | 5.7 | 34.5 |
| UF20029 | 28.0 | 40.0 | 10.0 | 11.0 | 39.0 |
| UF20030 | 28.0 | 43.0 | 10.0 | 11.0 | 42.0 |
| UF20031 | 30.0 | 45.0 | 10.0 | 11.0 | 44.0 |
| UF20032 | 30.0 | 46.0 | 10.0 | 11.0 | 45.0 |

UF2 Series

TPU Symmetrical Piston & Rod U-Cup Seal

| CODE | d (mm) | D (mm) | H | H1 | Da |
|---------|--------|--------|------|------|-------|
| UF20033 | 31.5 | 46.5 | 10.0 | 11.0 | 45.5 |
| UF20034 | 32.0 | 46.0 | 10.0 | 11.0 | 45.0 |
| UF20035 | 35.0 | 50.0 | 10.0 | 11.0 | 49.0 |
| UF20036 | 35.5 | 45.0 | 6.0 | 7.0 | 44.0 |
| UF20037 | 35.5 | 50.5 | 10.0 | 11.0 | 49.5 |
| UF20038 | 38.0 | 52.0 | 10.0 | 11.0 | 51.0 |
| UF20039 | 40.0 | 55.0 | 10.0 | 11.0 | 54.0 |
| UF20040 | 40.0 | 56.0 | 10.0 | 11.0 | 55.0 |
| UF20041 | 40.0 | 60.0 | 12.0 | 13.0 | 59.0 |
| UF20042 | 41.0 | 56.0 | 10.0 | 11.0 | 55.0 |
| UF20043 | 45.0 | 56.0 | 7.0 | 8.0 | 55.0 |
| UF20044 | 45.0 | 60.0 | 10.0 | 11.0 | 59.0 |
| UF20045 | 45.0 | 61.0 | 10.0 | 11.0 | 60.0 |
| UF20046 | 46.0 | 60.0 | 10.0 | 11.0 | 59.0 |
| UF20047 | 48.0 | 63.0 | 10.0 | 11.0 | 62.0 |
| UF20048 | 50.0 | 65.0 | 10.0 | 11.0 | 64.0 |
| UF20049 | 50.0 | 66.0 | 12.0 | 13.0 | 65.0 |
| UF20050 | 50.0 | 70.0 | 12.0 | 13.0 | 69.0 |
| UF20051 | 51.0 | 71.0 | 12.0 | 13.0 | 70.0 |
| UF20052 | 53.0 | 73.0 | 12.0 | 13.0 | 72.0 |
| UF20053 | 55.0 | 71.0 | 12.0 | 13.0 | 70.0 |
| UF20054 | 55.0 | 75.0 | 12.0 | 13.0 | 74.0 |
| UF20055 | 55.0 | 80.0 | 15.0 | 16.0 | 79.0 |
| UF20056 | 56.0 | 72.0 | 12.0 | 13.0 | 71.0 |
| UF20057 | 56.0 | 76.0 | 12.0 | 13.0 | 75.0 |
| UF20058 | 58.0 | 78.0 | 12.0 | 13.0 | 77.0 |
| UF20059 | 60.0 | 71.0 | 7.0 | 8.0 | 70.0 |
| UF20060 | 60.0 | 80.0 | 12.0 | 13.0 | 79.0 |
| UF20061 | 62.0 | 82.0 | 12.0 | 13.0 | 81.0 |
| UF20062 | 63.0 | 83.0 | 12.0 | 13.0 | 82.0 |
| UF20063 | 65.0 | 85.0 | 12.0 | 13.0 | 84.0 |
| UF20064 | 67.0 | 87.0 | 12.0 | 13.0 | 86.0 |
| UF20065 | 70.0 | 90.0 | 12.0 | 13.0 | 89.0 |
| UF20066 | 71.0 | 80.0 | 6.0 | 7.0 | 79.0 |
| UF20067 | 71.0 | 91.0 | 12.0 | 13.0 | 90.0 |
| UF20068 | 75.0 | 95.0 | 12.0 | 13.0 | 94.0 |
| UF20069 | 80.0 | 100.0 | 12.0 | 13.0 | 99.0 |
| UF20070 | 80.0 | 100.0 | 15.0 | 16.0 | 98.0 |
| UF20071 | 85.0 | 100.0 | 9.0 | 10.0 | 99.0 |
| UF20072 | 85.0 | 105.0 | 12.0 | 13.0 | 103.0 |
| UF20073 | 90.0 | 110.0 | 12.0 | 13.0 | 108.0 |
| UF20074 | 92.0 | 112.0 | 12.0 | 13.0 | 110.0 |
| UF20075 | 95.0 | 115.0 | 12.0 | 13.0 | 113.0 |
| UF20076 | 95.0 | 120.0 | 15.0 | 16.0 | 118.0 |
| UF20077 | 98.0 | 112.0 | 9.0 | 10.0 | 110.0 |
| UF20078 | 100.0 | 120.0 | 12.0 | 13.0 | 118.0 |
| UF20079 | 100.0 | 125.0 | 15.0 | 17.0 | 123.0 |
| UF20080 | 102.0 | 114.0 | 11.0 | 12.0 | 112.0 |

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|---------|--------|--------|------|------|-------|
| UF20081 | 105.0 | 125.0 | 15.0 | 17.0 | 123.0 |
| UF20082 | 106.0 | 120.0 | 8.5 | 9.5 | 118.0 |
| UF20083 | 106.0 | 126.0 | 15.0 | 17.0 | 124.0 |
| UF20084 | 110.0 | 130.0 | 15.0 | 17.0 | 128.0 |
| UF20085 | 112.0 | 132.0 | 15.0 | 17.0 | 130.0 |
| UF20086 | 115.0 | 135.0 | 15.0 | 17.0 | 133.0 |
| UF20087 | 118.0 | 132.0 | 9.0 | 10.0 | 130.0 |
| UF20088 | 118.0 | 138.0 | 15.0 | 17.0 | 136.0 |
| UF20089 | 120.0 | 140.0 | 15.0 | 17.0 | 138.0 |
| UF20090 | 125.0 | 145.0 | 15.0 | 17.0 | 143.0 |
| UF20091 | 130.0 | 150.0 | 15.0 | 17.0 | 148.0 |
| UF20092 | 132.0 | 152.0 | 15.0 | 17.0 | 150.0 |
| UF20093 | 135.0 | 155.0 | 15.0 | 17.0 | 153.0 |
| UF20094 | 136.0 | 150.0 | 9.0 | 10.0 | 148.0 |
| UF20095 | 140.0 | 160.0 | 15.0 | 17.0 | 158.0 |
| UF20096 | 140.0 | 165.0 | 15.0 | 17.0 | 163.0 |
| UF20097 | 145.0 | 165.0 | 15.0 | 17.0 | 158.0 |
| UF20098 | 150.0 | 170.0 | 15.0 | 17.0 | 168.0 |
| UF20099 | 150.0 | 175.0 | 15.0 | 17.0 | 173.0 |
| UF20100 | 155.0 | 180.0 | 15.0 | 17.0 | 178.0 |
| UF20101 | 160.0 | 185.0 | 15.0 | 17.0 | 183.0 |
| UF20102 | 165.0 | 190.0 | 15.0 | 17.0 | 188.0 |
| UF20103 | 170.0 | 195.0 | 15.0 | 17.0 | 193.0 |
| UF20104 | 175.0 | 200.0 | 15.0 | 17.0 | 198.0 |
| UF20105 | 180.0 | 205.0 | 15.0 | 17.0 | 203.0 |
| UF20106 | 185.0 | 210.0 | 15.0 | 17.0 | 208.0 |
| UF20107 | 190.0 | 215.0 | 15.0 | 17.0 | 213.0 |
| UF20108 | 199.0 | 224.0 | 15.0 | 17.0 | 222.0 |
| UF20109 | 200.0 | 225.0 | 15.0 | 17.0 | 223.0 |
| UF20110 | 200.0 | 225.0 | 18.0 | 20.0 | 223.0 |