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K518 - COMPACT PISTON SEAL



K518 is a piston seal consists of one NBR profile ring, thermoplastic elastomer support rings, and glass-reinforced POM guide rings. K518 is widely preferred in mobile machinery due to glass-reinforced POM guide rings which provides better load bearing properties in longer stroke cylinders.

Advantages

- Superior sealing performance and low friction with its special design
- Superior load bearing capability with special reinforced material for guide ring
- No additional guide ring requirement at low and medium duty applications thanks to compact design
- Simple groove design at one-piece piston
- Long service life and easy installation

Area of Application

- Agricultural machinery
- Construction machinery
- Mobile machinery
- Loading platforms
- Forklifts

K518X - HIGH PERFORMANCE COMPACT PISTON SEAL



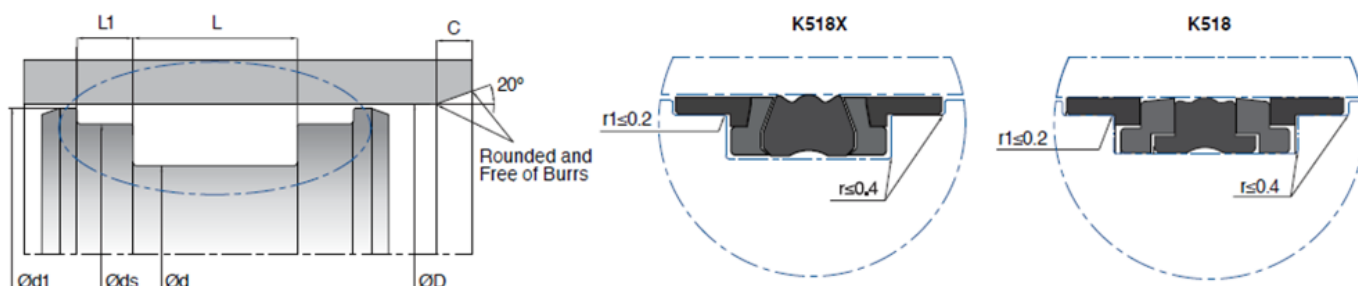
K518X is a high-performance double acting compact piston seal that consists of one NBR profile ring, thermoplastic elastomer support rings, and glass-reinforced PA guide rings. Among similar double-acting piston seals, K518X comes forward with its TPE support rings with special geometry which enhances the extrusion resistance at variable pressures of mobile hydraulic applications and glass-reinforced PA guide rings that provides higher load bearing performance at higher temperatures.

Advantages

- Ultimate extrusion resistance due to special TPE back-up rings
- Better high temperature resistance due to PA guide rings
- Advanced performance at long stroke cylinders

Area of Application

- Agricultural machinery
- Construction machinery
- Mobile machinery
- Loading platforms
- Forklifts



| | D (H8) | d (h9) | L (+0.2/-0) | ds (h8) | d1 (±0.1) | L1 (+0.2/-0) | C | MATERIAL | Kastaş CODE |
|--------------------|--------|--------|----------------|---------|-----------|-----------------|---|----------|----------------|
| K518 025-016 | 25 | 16 | 13.5 | 22 | 24 | 2.1 | 4 | NB8001 | 10021614 |
| K518 030-021 | 30 | 21 | 13.5 | 27 | 29 | 2.1 | 4 | NB8001 | 10021616 |
| K518 032-022 | 32 | 22 | 16.4 | 28.5 | 30.5 | 6.35 | 4 | NB8001 | 10021618 |
| K518 032-024 | 32 | 24 | 15.5 | 28 | 31 | 3.1 | 4 | NB8001 | 10021620 |
| K518 035-025 | 35 | 25 | 16.4 | 31.4 | 33.5 | 6.35 | 4 | NB8001 | 10021621 |
| K518 X 040-024 | 40 | 24 | 18.4 | 35.4 | 38.5 | 6.35 | 5 | NB8001 | 10039024 |
| K518 X 040-030 | 40 | 30 | 16.4 | 35.4 | 38.5 | 6.35 | 4 | NB8001 | 10039025 |
| K518 040-030/1 | 40 | 30 | 12.5 | 37 | 39 | 4 | 4 | NB8001 | 10021625 |
| K518 040-032 | 40 | 32 | 15.5 | 36 | 39.4 | 3.2 | 4 | NB8001 | 10021626 |
| K518 040-032/1 | 40 | 32 | 10 | 37 | 39 | 4 | 4 | NB8001 | 10021627 |
| K518 044.45-028.57 | 44.45 | 28.57 | 19.05 | 39.85 | 43.12 | 6.35 | 5 | NB8001 | 10021628 |
| K518 045-029 | 45 | 29 | 18.4 | 40.4 | 43.5 | 6.35 | 5 | NB8001 | 10021629 |
| K518 045-035 | 45 | 35 | 16.4 | 40.4 | 43.5 | 6.35 | 4 | NB8001 | 10021630 |
| K518 X 050-034 | 50 | 34 | 20.5 | 46 | 49 | 3.1 | 5 | NB8001 | 10036574 |
| K518 X 050-034/1 | 50 | 34 | 18.4 | 45.41 | 48.66 | 6.35 | 5 | NB8001 | 10039026 |
| K518 050-038 | 50 | 38 | 20.5 | 46 | 49.4 | 4.2 | 4 | NB8001 | 10021634 |
| K518 050.8-034.92 | 50.8 | 34.92 | 19.05 | 46.23 | 49.48 | 6.35 | 5 | NB8001 | 10021631 |

| | D (H8) | d (h9) | L (+0.2/- 0) | ds (h8) | d1 (±0.1) | L1 (+0.2/- 0) | C | MATERIAL | Kastaş CODE |
|--------------------|---------------|---------------|-----------------------------|----------------|------------------|------------------------------|----------|-----------------|------------------------|
| K518 X 055-039 | 55 | 39 | 20.5 | 51 | 54 | 3.1 | 5 | NB8001 | 10039028 |
| K518 055-039/1 | 55 | 39 | 18.4 | 50.37 | 53.65 | 6.35 | 5 | NB8001 | 10021637 |
| K518 055-045 | 55 | 45 | 12.5 | 52 | 54 | 4 | 4 | NB8001 | 10021638 |
| K518 X 060-044 | 60 | 44 | 20.5 | 56 | 59 | 3.1 | 5 | NB8001 | 10039029 |
| K518 X 060-044/1 | 60 | 44 | 18.4 | 55.39 | 58.65 | 6.35 | 5 | NB8001 | 10038423 |
| K518 060-048 | 60 | 48 | 20.5 | 56 | 59.4 | 4.2 | 4 | NB8001 | 10021642 |
| K518 060.32-044.45 | 60.32 | 44.45 | 19.05 | 55.72 | 58.98 | 6.35 | 5 | NB8001 | 10021639 |
| K518 063-047 | 63 | 47 | 20.5 | 59 | 62 | 3.1 | 5 | NB8001 | 10021643 |
| K518 X 063-047/1 | 63 | 47 | 18.4 | 58.39 | 61.63 | 6.35 | 5 | NB8001 | 10039030 |
| K518 063-047/2 | 63 | 47 | 19.4 | 58.4 | 61.5 | 6.35 | 5 | NB8001 | 10021646 |
| K518 063-051 | 63 | 51 | 20.5 | 59 | 62.4 | 4.2 | 4 | NB8001 | 10021648 |
| K518 063-053 | 63 | 53 | 12.5 | 60 | 62 | 4 | 4 | NB8001 | 10021650 |
| K518 065-049 | 65 | 49 | 20.5 | 61 | 64 | 3.1 | 5 | NB8001 | 10021651 |
| K518 X 065-050 | 65 | 50 | 18.4 | 60.41 | 63.64 | 6.35 | 5 | NB8001 | 10039031 |
| K518 066.67-050.80 | 66.67 | 50.8 | 19.05 | 62.1 | 65.27 | 6.35 | 5 | NB8001 | 10021653 |
| K518 X 070-050 | 70 | 50 | 22.4 | 64.18 | 68.34 | 6.35 | 6 | NB8001 | 10039032 |
| K518 070-054 | 70 | 54 | 20.5 | 66 | 69 | 3.1 | 5 | NB8001 | 10021655 |
| K518 070-058 | 70 | 58 | 20.5 | 66 | 69.4 | 4.2 | 5 | NB8001 | 10021657 |
| K518 X 075-055 | 75 | 55 | 22.4 | 69.2 | 73.3 | 6.35 | 6 | NB8001 | 10039033 |
| K518 075-059 | 75 | 59 | 20.5 | 71 | 74 | 3.1 | 5 | NB8001 | 10021660 |
| K518 X 080-060 | 80 | 60 | 22.4 | 74.15 | 78.3 | 6.35 | 6 | NB8001 | 10039034 |
| K518 080-060/2 | 80 | 60 | 25 | 75 | 78 | 6.35 | 6 | NB8001 | 10021664 |
| K518 080-062 | 80 | 62 | 22.5 | 76 | 79 | 3.6 | 5 | NB8001 | 10021665 |
| K518 080-066 | 80 | 66 | 22.4 | 76 | 79.4 | 5.2 | 5 | NB8001 | 10021667 |
| K518 085-065 | 85 | 65 | 22.4 | 79.15 | 83.3 | 6.35 | 6 | NB8001 | 10021668 |
| K518 X 090-070 | 90 | 70 | 22.4 | 84.15 | 88.3 | 6.35 | 6 | NB8001 | 10036575 |
| K518 090-072/1 | 90 | 72 | 22.5 | 86 | 89 | 3.6 | 6 | NB8001 | 10021671 |
| K518 090-075 | 90 | 75 | 20 | 86 | 88.5 | 5 | 5 | NB8001 | 10021672 |
| K518 090-076 | 90 | 76 | 22.4 | 86 | 89.4 | 5.2 | 5 | NB8001 | 10021673 |

| | D (H8) | d (h9) | L (+0.2/- 0) | ds (h8) | d1 (±0.1) | L1 (+0.2/- 0) | C | MATERIAL | Kastaş CODE |
|------------------|--------|--------|--------------------|---------|-----------|---------------------|---|----------|----------------|
| K518 X 095-075 | 95 | 75 | 22.4 | 89.15 | 93.31 | 6.35 | 6 | NB8001 | 10039035 |
| K518 095-081 | 95 | 81 | 22.4 | 91 | 94.4 | 5.2 | 5 | NB8001 | 10021676 |
| K518 X 100-075 | 100 | 75 | 22.4 | 93.13 | 98 | 6.35 | 6 | NB8001 | 10036573 |
| K518 100-086 | 100 | 86 | 22.4 | 96 | 99.4 | 5.2 | 5 | NB8001 | 10021682 |
| K518 105-080 | 105 | 80 | 22.4 | 98.1 | 103 | 6.5 | 6 | NB8001 | 10021683 |
| K518 105-080/1 | 105 | 80 | 22.4 | 98.1 | 103 | 6.35 | 6 | NB8001 | 10021684 |
| K518 X 110-085 | 110 | 85 | 22.4 | 103.1 | 108 | 6.35 | 6 | NB8001 | 10039036 |
| K518 110-085/1 | 110 | 85 | 25.4 | 103.1 | 108 | 6.35 | 6 | NB8001 | 10021689 |
| K518 110-092 | 110 | 92 | 22.4 | 106 | 109 | 3.6 | 5 | NB8001 | 10021690 |
| K518 110-096 | 110 | 96 | 22.4 | 106 | 109.4 | 5.2 | 5 | NB8001 | 10021691 |
| K518 X 115-090 | 115 | 90 | 22.4 | 108.1 | 113.02 | 6.35 | 6 | NB8001 | 10039037 |
| K518 115-101 | 115 | 101 | 22.4 | 111 | 114.4 | 5.2 | 5 | NB8001 | 10021694 |
| K518 X 120-095 | 120 | 95 | 22.4 | 113.1 | 118 | 6.35 | 6 | NB8001 | 10039038 |
| K518 120-106 | 120 | 106 | 22.4 | 116 | 119.4 | 5.2 | 5 | NB8001 | 10021697 |
| K518 X 125-100 | 125 | 100 | 25.4 | 118.1 | 123 | 6.35 | 6 | NB8001 | 10039039 |
| K518 125-108 | 125 | 108 | 26.5 | 121 | 124.4 | 7.2 | 6 | NB8001 | 10021701 |
| K518 130-105 | 130 | 105 | 25.4 | 123.1 | 128 | 6.35 | 6 | NB8001 | 10021702 |
| K518 130-105/1 | 130 | 105 | 25.4 | 123.1 | 128 | 9.52 | 6 | NB8001 | 10021704 |
| K518 X 130-105/2 | 130 | 105 | 25.4 | 122.6 | 127.5 | 9.52 | 6 | NB8001 | 10039040 |
| K518 135-110 | 135 | 110 | 25.4 | 127.6 | 132.5 | 9.52 | 6 | NB8001 | 10021706 |
| K518 135-110/1 | 135 | 110 | 25.4 | 128.1 | 133 | 6.35 | 6 | NB8001 | 10021707 |
| K518 140-115 | 140 | 115 | 25.4 | 132.6 | 137.5 | 6.35 | 6 | NB8001 | 10021708 |
| K518 X 140-115/2 | 140 | 115 | 25.4 | 133 | 138 | 6.35 | 6 | NB8001 | 10039041 |
| K518 140-115/1 | 140 | 115 | 25.4 | 132.6 | 137.5 | 9.52 | 6 | NB8001 | 10021711 |
| K518 X 140-118 | 140 | 118 | 26.5 | 136 | 139 | 5.1 | 6 | NB8001 | 10039042 |
| K518 140-123 | 140 | 123 | 26.5 | 136 | 139.4 | 7.2 | 6 | NB8001 | 10021714 |
| K518 150-125 | 150 | 125 | 25.4 | 142.6 | 147.5 | 9.5 | 6 | NB8001 | 10021715 |
| K518 X 150-128 | 150 | 128 | 26.5 | 146 | 149 | 5.1 | 6 | NB8001 | 10039043 |
| K518 150-133 | 150 | 133 | 26.5 | 146 | 149.4 | 7.2 | 5 | NB8001 | 10021720 |

| | D (H8) | d (h9) | L (+0.2/- 0) | ds (h8) | d1 (±0.1) | L1 (+0.2/- 0) | C | MATERIAL | Kastaş CODE |
|----------------|---------------|---------------|-----------------------------|----------------|------------------|------------------------------|----------|-----------------|------------------------|
| K518 155-130/1 | 155 | 130 | 25.4 | 147.6 | 152.5 | 9.52 | 6 | NB8001 | 10021721 |
| K518 X 160-130 | 160 | 130 | 25.4 | 153 | 157.5 | 6.35 | 7 | NB8001 | 10039044 |
| K518 160-130/1 | 160 | 130 | 25.4 | 152.6 | 157.5 | 9.52 | 7 | NB8001 | 10021723 |
| K518 160-135 | 160 | 135 | 25.4 | 152.6 | 157.5 | 9.52 | 6 | NB8001 | 10021724 |
| K518 160-143 | 160 | 143 | 26.5 | 156 | 159.4 | 7.2 | 5 | NB8001 | 10021726 |
| K518 165-140 | 165 | 140 | 25.4 | 157.6 | 162.5 | 9.52 | 6 | NB8001 | 10021728 |
| K518 X 165-143 | 165 | 143 | 26.5 | 161 | 163.5 | 5.25 | 4 | NB8001 | 10039045 |
| K518 170-145 | 170 | 145 | 25.4 | 161.72 | 167.1 | 12.7 | 6 | NB8001 | 10021731 |
| K518 170-148 | 170 | 148 | 26.5 | 166 | 169 | 5.1 | 6 | NB8001 | 10021732 |
| K518 180-150 | 180 | 150 | 35.4 | 172.95 | 177.87 | 6.35 | 7 | NB8001 | 10021733 |
| K518 X 180-155 | 180 | 155 | 25.4 | 171.72 | 177.1 | 12.7 | 6 | NB8001 | 10039046 |
| K518 X 180-158 | 180 | 158 | 26.5 | 176 | 179 | 5.1 | 6 | NB8001 | 10039047 |
| K518 180-163 | 180 | 163 | 26.5 | 176 | 179.4 | 7.2 | 5 | NB8001 | 10021737 |
| K518 X 190-165 | 190 | 165 | 25.4 | 181.72 | 187.05 | 12.7 | 6 | NB8001 | 10039048 |
| K518 200-170 | 200 | 170 | 35.4 | 193 | 198 | 6.35 | 7 | NB8001 | 10021739 |
| K518 X 200-175 | 200 | 175 | 31.5 | 196 | 199 | 6.6 | 6 | NB8001 | 10039049 |
| K518 200-175/1 | 200 | 175 | 25.4 | 191.62 | 197 | 12.7 | 6 | NB8001 | 10021742 |
| K518 200-180 | 200 | 180 | 31.5 | 196 | 199.4 | 9.2 | 6 | NB8001 | 10021744 |
| K518 X 210-185 | 210 | 185 | 25.4 | 201.62 | 207 | 12.7 | 6 | NB8001 | 10039050 |
| K518 X 220-195 | 220 | 195 | 25.4 | 211.62 | 217 | 12.7 | 6 | NB8001 | 10039051 |
| K518 220-200 | 220 | 200 | 31.5 | 216 | 219.4 | 9.2 | 6 | NB8001 | 10021748 |
| K518 X 230-205 | 230 | 205 | 25.4 | 221.62 | 227 | 12.7 | 6 | NB8001 | 10039052 |
| K518 240-215 | 240 | 215 | 25.4 | 231.62 | 237 | 12.7 | 6 | NB8001 | 10021750 |
| K518 X 250-225 | 250 | 225 | 25.4 | 241.62 | 247 | 12.7 | 6 | NB8001 | 10039053 |
| K518 250-230 | 250 | 230 | 31.5 | 246 | 249.4 | 9.2 | 6 | NB8001 | 10021752 |
| K518 260-235 | 260 | 235 | 35.4 | 252.9 | 257 | 12.7 | 6 | NB8001 | 10021753 |
| K518 300-275 | 300 | 275 | 31.5 | 296 | 299 | 6.6 | 6 | NB8001 | 10021757 |

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