



Precision Sealing

# CONSTRUCTION MACHINERY SEALS

---

2026

Floating Seals · Rotary Shaft Seals · Hydraulic Seals  
Excavator · Loader · Bulldozer · Crane

**[vkefot-seals.com](http://vkefot-seals.com)**

[info@vkefot-seals.com](mailto:info@vkefot-seals.com)

WhatsApp / Tel +86 158 1031 8261

Xingtai Hanchi Intelligent Technology Co., Ltd.

邢台汉驰智能科技有限公司

## About This Volume

### About VKEFOT

VKEFOT is the oil seal brand of Xingtai Hanchi Intelligent Technology Co., Ltd., based in Julu County, Xingtai City, Hebei Province, China. We supply rotary shaft lip seals, floating seals and related sealing components, in compounds selected for mineral oil, gear oil, grease and hydraulic service.

### What this catalogue covers

This volume groups construction machinery sealing components into six parts: floating seals (duo cone / mechanical face), rotary shaft seals, combined and hub seals, wear rings and special seals, Caterpillar-type seal references, and a quick reference of hydraulic seal designations. Each listing gives the model or part reference and, where published, the size in millimetres.

### About the data in this volume

Construction machinery seals are normally not catalogued by seal size but by assembly and application position - travel motor, final drive, track roller, boom, arm, bucket, swing, control valve and so on. Because no single public source covers every machine, this volume has been assembled from several published seal tables so that the full size and reference range is available in one place for selection work.

### How to order

Quote the model or part reference and the size, and send the original part number or a drawing where you have one. Where a size in this volume is not in our regular range, we will confirm whether it can be produced, and with which compound.

### Materials

Floating seals: forged steel GCr15 / 100Cr6, or cast iron 15Cr1Mo / 15Cr3Mo, with NBR, FKM, silicone or HNBR rubber rings. Shaft seals and hydraulic seals: NBR as standard, FKM for high temperature and synthetic oil duty, PU for hydraulic rod and piston duty, and PTFE for wear rings and step seals. Please confirm the required compound when ordering.

### Contact

vkefot-seals.com

info@vkefot-seals.com

Tel / WhatsApp +86 158 1031 8261

East of Anzhuang Village, Dicun Township, Julu County, Xingtai City, Hebei Province, China

Xingtai Hanchi Intelligent Technology Co., Ltd. 邢台汉驰智能科技有限公司

**Note** This volume has been compiled by VKEFOT from publicly published seal dimension tables and cross-reference lists. All dimensions are a reference range for identification and selection only. OEM and machine references are quoted solely as cross-reference to help identify a suitable replacement part; they do not imply that any part is manufactured by, authorised by or licensed from the original equipment manufacturer. Please confirm the exact size, lip profile, compound and availability on enquiry before ordering. Dimensions are in millimetres.

Sizes are given as inner diameter x outer diameter x width in millimetres. Floating seals are listed as inner diameter x outer diameter x height. Where a cell shows two figures separated by a slash, the seal is available in either width or has a stepped outer diameter; confirm the exact variant before ordering.

## 01 Floating Seals (Duo Cone / Mechanical Face) · 836 entries

The signature seal type of construction machinery: two metal rings plus rubber O-rings, used in travel motors, hubs, final drives and track rollers.

### Construction & Performance

|                                |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| <b>Material of metal ring</b>  | Forged steel GCr15 / 100Cr6 / E52100 / SUJ2; cast iron 15Cr1Mo / 15Cr3Mo |
| <b>Hardness of metal ring</b>  | Forged 58–62 HRC; cast 62–68 HRC                                         |
| <b>Material of rubber ring</b> | NBR / FKM (FPM) / silicone / HNBR                                        |
| <b>Hardness of rubber ring</b> | 60–65 Shore A                                                            |
| <b>Surface roughness</b>       | ≤ Ra 0.2 μm                                                              |
| <b>Sealing face finish</b>     | ≤ Ra 0.015 μm                                                            |
| <b>Allowable pressure</b>      | ≤ 0.3 MPa                                                                |
| <b>Linear speed</b>            | 2–3 m/s (6–10 m/s in some applications)                                  |
| <b>Working temperature</b>     | –100 to +200 °C                                                          |
| <b>Service life</b>            | Forged 5,000 h / cast 8,000 h                                            |
| <b>Common outer diameter</b>   | 35 / 38 – 1000 mm (typically 50–700 mm; up to 1425 mm on large sizes)    |

### Seal Types

| Type                 | Typical application                                                |
|----------------------|--------------------------------------------------------------------|
| <b>Standard (DO)</b> | General purpose — travel motors, hubs, final drives, track rollers |
| <b>L Type</b>        | Slim section, for compact housing space                            |
| <b>XY Type</b>       | For XY-series housings on certain excavator travel gear            |
| <b>Iron Plate</b>    | With iron plate seat, for mining and agricultural machinery        |

### Common Sizes (reference)

| ID (mm) | OD (mm) | Height H (mm) |
|---------|---------|---------------|
| 38      | 51      | 20            |
| 43      | 58      | 12            |
| 43      | 58      | 24            |
| 47.1    | 62.1    | 10            |
| 54      | 72      | 10            |
| 63.5    | 82.5    | 16            |
| 66.5    | 82.2    | 31            |
| 66.9    | 87      | 11.6          |
| 71      | 84      | 20            |
| 73      | 93      | 10            |
| 73.5    | 93      | 10            |
| 76      | 93      | 32.5          |
| 77      | 90      | 9.2           |
| 82      | 99      | 32.5          |
| 96      | 113     | 12.2          |
| 100     | 119     | 16            |
| 105     | 122.5   | 12.5          |
| 110     | 128     | 16            |
| 115     | 137     | 15.5          |
| 124     | 141     | 11            |
| 130     | 151     | 16            |
| 154     | 175     | 20            |
| 159     | 180     | 16            |
| 164     | 180     | 9.7           |
| 178     | 200     | 19            |
| 182     | 210     | 19            |
| 186     | 210     | 11.4          |
| 200     | 228.5   | 38            |
| 201     | 230     | 13.3          |
| 205     | 227     | 15            |
| 223.5   | 251.4   | 38            |
| 230     | 260     | 19            |
| 250     | 277     | 22            |
| 272     | 300     | 40            |
| 275     | 303     | 38            |

| ID (mm) | OD (mm) | Height H (mm) |
|---------|---------|---------------|
| 320     | 352.5   | 40            |
| 355     | 392     | 19.8          |
| 366.5   | 394.5   | 38            |
| 399     | 427     | 39            |
| 429.2   | 457.2   | 38            |
| 448     | 482     | 40            |
| 505.4   | 533.4   | 44            |
| 507     | 548.5   | 31            |
| 538     | 580     | 31            |
| 540     | 567     | 43            |
| 591     | 623     | 50            |
| 660     | 695     | 53            |
| 667     | 700     | 44            |
| 1047    | 1105    | 39            |

### OEM Cross-Reference Numbers (for identification only)

| Komatsu · 273 refs |              |              |              |
|--------------------|--------------|--------------|--------------|
| 100-27-00030       | 150-30-00702 | 195-27-00101 | 20Y-30-00090 |
| 101-27-00010       | 154-27-00020 | 195-27-00102 | 20Y-30-00100 |
| 101-27-00050       | 154-30-00035 | 195-27-00110 | 20Y-30-00101 |
| 101-30-00130       | 154-30-00632 | 195-27-00111 | 20Y-30-00410 |
| 10Y-30-00100       | 154-30-00830 | 195-27-00150 | 20Y-30-00430 |
| 110-30-00045       | 154-30-00831 | 195-27-00160 | 20Y-30-13210 |
| 110-30-00085       | 154-30-00832 | 195-27-00170 | 20Y-30-15210 |
| 110-30-00086       | 154-30-00833 | 195-27-00201 | 21K-30-B0200 |
| 110-30-14260       | 154-30-12271 | 195-27-12752 | 21K-30-B0300 |
| 110-30-14262       | 16Y-18-00008 | 195-27-12760 | 21K-30-B1160 |
| 12Y-27-11600       | 170-27-00010 | 195-27-12761 | 21N-27-00150 |
| 130-27-00010       | 170-27-0002  | 195-30-00203 | 21N-30-00040 |
| 130-27-00012       | 170-27-00020 | 195-30-00290 | 21T-30-00110 |
| 130-27-00020       | 170-27-00021 | 195-30-00291 | 21T-30-00140 |
| 130-27-00021       | 170-27-00022 | 195-30-00300 | 21T-30-00160 |
| 130-27-00130       | 170-27-00023 | 195-30-00301 | 225-80-84600 |
| 130-27-00132       | 170-27-00024 | 195-30-00302 | 22B-30-00030 |
| 130-27-00140       | 170-27-00025 | 195-30-00860 | 22U-30-00060 |
| 130-27-00150       | 170-27-00050 | 195-30-00870 | 287-30-00010 |
| 130-27-B0100       | 170-27-00051 | 195-30-01500 | 287-33-00010 |
| 130-27-B0200       | 170-27-00053 | 195-30-16242 | 287-33-00090 |
| 130-30-B0400       | 170-27-00100 | 198-27-00030 | 421-33-00020 |
| 13Y-27-11600       | 170-27-00110 | 198-27-00034 | 421-33-00021 |
| 140-30-00040       | 170-27-00111 | 198-27-00150 | 421-33-00040 |
| 140-30-00041       | 170-27-00113 | 198-30-00070 | 421-33-00050 |
| 140-30-00141       | 170-27-00120 | 198-30-00072 | 423-33-00020 |
| 140-30-00401       | 170-27-12510 | 198-30-00082 | 423-33-00021 |
| 141-27-00010       | 170-27-12511 | 198-30-16610 | 425-33-00011 |
| 141-27-00015       | 170-27-12513 | 198-30-16612 | 425-33-00110 |
| 141-27-00025       | 170-30-00110 | 204-30-00041 | 425-33-00111 |
| 141-30-00610       | 170-30-00111 | 204-30-00100 | 428-33-00021 |
| 141-30-00611       | 170-30-00210 | 204-50-80500 | 428-33-00022 |
| 141-30-00612       | 175-27-00101 | 205-27-00040 | 561-33-00010 |
| 141-30-00613       | 175-27-00102 | 205-30-00050 | 562-33-00013 |
| 141-30-00615       | 175-27-00120 | 205-30-00051 | 562-33-00014 |
| 141-30-00616       | 175-27-00121 | 205-30-00052 | 562-33-00200 |
| 141-30-36280       | 175-27-00130 | 205-30-00061 | 566-33-00010 |
| 144-27-B0100       | 175-27-32711 | 205-30-00080 | 566-33-00090 |
| 144-30-B0100       | 175-30-00070 | 205-30-00081 | 567-33-00011 |
| 145-27-00110       | 175-30-00700 | 205-30-00150 | 567-33-00013 |
| 14X-22-23270       | 175-30-00701 | 205-30-00160 | 567-33-00014 |
| 14X-27-00051       | 175-30-00702 | 205-30-00200 | 567-33-00021 |
| 14X-27-00100       | 175-30-00900 | 205-30-00220 | 567-33-00022 |
| 14X-27-00101       | 175-30-16125 | 205-30-00230 | 567-33-00023 |
| 14X-27-00110       | 175-30-36273 | 205-30-66651 | 567-33-00024 |

|                               |              |               |              |
|-------------------------------|--------------|---------------|--------------|
| 14X-27-00120                  | 17A-27-00670 | 207-27-00010  | 567-33-41421 |
| 14X-27-00200                  | 17M-27-00100 | 207-27-00310  | 567-33-41422 |
| 14X-27-00201                  | 17M-27-00101 | 207-27-00510  | 568-33-00013 |
| 14X-27-00210                  | 17M-27-00102 | 207-27-00710  | 568-33-00014 |
| 14X-27-00211                  | 17M-27-00111 | 207-27-61331  | 568-33-00015 |
| 150-27-00015                  | 17M-27-00120 | 207-30-00101  | 568-33-00016 |
| 150-27-00016                  | 17M-27-00121 | 207-30-00250  | 568-33-00017 |
| 150-27-00017                  | 17M-27-00180 | 207-30-00330  | 568-33-00021 |
| 150-27-00020                  | 17M-30-00500 | 208-27-00140  | 568-33-00023 |
| 150-27-00025                  | 17M-30-00550 | 208-27-00170  | 568-33-00091 |
| 150-27-00026                  | 180-27-00020 | 208-27-00210  | 568-33-00093 |
| 150-27-00027                  | 180-27-00021 | 208-27-00211  | 568-33-00010 |
| 150-27-00028                  | 180-27-00022 | 208-27-00372  | 568-33-00110 |
| 150-27-00029                  | 180-27-00023 | 208-30-00290  | 568-33-11350 |
| 150-27-00262                  | 180-27-00024 | 209-27-000160 | 56D-33-00030 |
| 150-27-00263                  | 180-27-00040 | 209-27-00160  | 56D-33-00031 |
| 150-27-00264                  | 180-27-11712 | 209-27-00280  | 56D-33-00050 |
| 150-27-00270                  | 180-27-11721 | 20Y-27-00110  | 56D-33-11320 |
| 150-27-00330                  | 195-27-00020 | 20Y-27-00141  | 586-33-00100 |
| 150-27-00410                  | 195-27-00021 | 20Y-27-00450  | 588-45-20500 |
| 150-27-24130                  | 195-27-00022 | 20Y-30-00035  | 881-14-0001  |
| 150-27-24133                  | 195-27-00032 | 20Y-30-00040  |              |
| 150-30-00035                  | 195-27-00041 | 20Y-30-00041  |              |
| 150-30-0035                   | 195-27-00100 | 20Y-30-00070  |              |
| <b>Caterpillar</b> · 317 refs |              |               |              |
| 093-1425                      | 309-4454     | 5P7143        | 9W2142       |
| 107-4889                      | 309-4457     | 5P7144        | 9W2201       |
| 107-9621                      | 309-7663     | 5P7145        | 9W2621       |
| 108-6996                      | 309-7664     | 5P7146        | 9W2629       |
| 108-6997                      | 314-4119     | 5P7147        | 9W3732       |
| 109-0868                      | 314-4120     | 5P9121        | 9W3956       |
| 109-0881                      | 314-4122     | 628-6599      | 9W4652       |
| 114-1497                      | 314-4124     | 6D1190        | 9W5224       |
| 123-0624                      | 314-4126     | 6P3594        | 9W5317       |
| 123-0639                      | 314-4128     | 6P3595        | 9W5977       |
| 123-0640                      | 314-4130     | 6S3285        | 9W5978       |
| 123-0659                      | 315-1147     | 6T4315        | 9W5979       |
| 125-5538                      | 317-6441     | 6T4316        | 9W6618       |
| 132-0402                      | 320-8917     | 6T6802        | 9W6619       |
| 132-0418                      | 324-1843     | 6T8433        | 9W6620       |
| 132-0484                      | 341-8543     | 6T8434        | 9W6622       |
| 132-0506                      | 363-4454     | 6T8435        | 9W6623       |
| 132-0546                      | 363-4457     | 6T8436        | 9W6630       |
| 132-0582                      | 365-4920     | 6T8438        | 9W6644       |
| 132-0586                      | 365-4922     | 6T8439        | 9W6645       |
| 132-0636                      | 374-1827     | 6T8440        | 9W6646       |
| 132-0637                      | 374-1828     | 6T9986        | 9W6647       |
| 132-0639                      | 374-1829     | 6V1799        | 9W6648       |
| 132-0861                      | 374-1830     | 6V1915        | 9W6649       |
| 132-6141                      | 374-1833     | 6V2459        | 9W6651       |
| 136-0296                      | 377-7432     | 6V2696        | 9W6653       |
| 136-2822                      | 377-7434     | 6V2733        | 9W6666       |
| 145-6033                      | 377-7438     | 6Y0520        | 9W6667       |
| 145-6034                      | 377-7440     | 6Y0855        | 9W6668       |
| 145-6035                      | 377-7459     | 6Y0857        | 9W6669       |
| 147-1660                      | 378-0592     | 6Y0858        | 9W6670       |
| 147-5510                      | 380-7472     | 6Y0859        | 9W6671       |
| 148-9594                      | 385-4570     | 6Y0860        | 9W6672       |
| 148-9595                      | 385-4572     | 6Y0925        | 9W6673       |
| 149-8434                      | 385-4750     | 6Y5219        | 9W6674       |
| 157-6186                      | 386-0993     | 6Y5220        | 9W6675       |
| 161-4456                      | 386-1003     | 6Y6273        | 9W6677       |
| 162-7862                      | 386-1005     | 6Y6339        | 9W6680       |

|                          |             |             |            |
|--------------------------|-------------|-------------|------------|
| 162-7863                 | 386-1033    | 6Y6340      | 9W6684     |
| 162-7864                 | 386-1088    | 761-0245    | 9W6685     |
| 163-6452                 | 386-1094    | 7G0519      | 9W6686     |
| 166-8815                 | 3A9169      | 7M0480      | 9W6688     |
| 169-6442                 | 3P1848      | 7M0481      | 9W6689     |
| 171-9409                 | 3P1850      | 7T0157      | 9W6690     |
| 172-5092                 | 3T6541      | 7T0158      | 9W6691     |
| 172-5284                 | 3T6602      | 7T0159      | 9W6692     |
| 174-4874                 | 3T6604      | 7T2459      | 9W6693     |
| 179-6862                 | 3T8500      | 7T4080      | 9W6694     |
| 179-6863                 | 3T9117      | 7T5504      | 9W6699     |
| 179-6864                 | 420-5321    | 8E5609      | 9W6717     |
| 186-3277                 | 423-4792    | 8E5610      | 9W6822     |
| 188-2103                 | 469-9174    | 8E6326      | 9W7201     |
| 191-2621                 | 473-1457    | 8E6327      | 9W7202     |
| 192-1134                 | 4D4510      | 8E8338      | 9W7204     |
| 193-0382                 | 4D4521      | 8H2229      | 9W7205     |
| 198-5020                 | 4D8960      | 8P1251      | 9W7206     |
| 1C9427                   | 4K6049      | 8P1252      | 9W7207     |
| 1C9748                   | 4M0736      | 8P1848      | 9W7211     |
| 1M8746                   | 4M2621      | 8P1857      | 9W7212     |
| 1M8747                   | 4S8984      | 9G5311      | 9W7213     |
| 1M8748                   | 563-8599    | 9G5313      | 9W7215     |
| 1M9011                   | 5K1069      | 9G5314      | 9W7216     |
| 1N6480                   | 5K1075      | 9G5315      | 9W7223     |
| 1P7249                   | 5K1078      | 9G5316      | 9W7224     |
| 201-5468                 | 5K5126      | 9G5317      | 9W7225     |
| 203-0837                 | 5K5285      | 9G5319      | 9W7227     |
| 205-9025                 | 5K5288      | 9G5321      | 9W7228     |
| 207-1571                 | 5K6191      | 9G5323      | 9W7230     |
| 210-6610                 | 5M1176      | 9G5341      | 9W7232     |
| 212-2784                 | 5M1177      | 9G5343      | 9W7233     |
| 214-7880                 | 5M1188      | 9G5345      | 9W7235     |
| 243-6717                 | 5M7294      | 9G5347      | 9W7241     |
| 255-2272                 | 5M8647      | 9G5349      | 9W7243     |
| 262-7224                 | 5P0204      | 9P3663      | 9W7331     |
| 267-4819                 | 5P0373      | 9P9663      | 9W8877     |
| 297-9545                 | 5P0374      | 9S3522      | 9W8878     |
| 297-9546                 | 5P0375      | 9S3524      | 9W9230     |
| 2M2858                   | 5P1606      | 9S4295      |            |
| 2N4080                   | 5P2498      | 9S4296      |            |
| 2P3395                   | 5P5829      | 9S4301      |            |
| <b>Hitachi</b> · 61 refs |             |             |            |
| 4047279                  | 4110366     | 4200413     | 4512571    |
| 4056360                  | 4110367     | 4214259     | 4513173    |
| 4060222                  | 4110368     | 4245703     | 4514259    |
| 4060225                  | 4110369     | 4274843     | 4534454    |
| 4066695                  | 4111361     | 4282633     | 4634693    |
| 4068433                  | 4114753     | 4283635     | 4642180    |
| 4082631                  | 4122070     | 4317584     | 4647124    |
| 4082698                  | 4128201     | 4317586     | 4664392    |
| 4092483                  | 4138544     | 4338537     | 4699733    |
| 4104605                  | 4153468     | 4344155     | 4987508    |
| 4110358                  | 4153731     | 4350347     | 4989862    |
| 4110359                  | 4153732     | 4391642     | 4990518    |
| 4110360                  | 4163731     | 4507211     | 4993119    |
| 4110362                  | 4176379     | 4507221     |            |
| 4110363                  | 4177260     | 4508192     |            |
| 4110364                  | 4179741     | 4508193     |            |
| <b>Kobelco</b> · 18 refs |             |             |            |
| R45P00018D9              | R45P0018D18 | R45P0018D25 | R45P0018D4 |
| R45P0018D13              | R45P0018D2  | R45P0018D27 | R45P0018D6 |
| R45P0018D14              | R45P0018D20 | R45P0018D28 | R45P0018D9 |

|                           |             |             |          |
|---------------------------|-------------|-------------|----------|
| R45P0018D15               | R45P0018D21 | R45P0018D29 |          |
| R45P0018D16               | R45P0018D22 | R45P0018D3  |          |
| <b>Goetze</b> · 54 refs   |             |             |          |
| 76.80                     | H-106       | H-28        | H-58     |
| 76.90                     | H-12        | H-29        | H-60     |
| 76.93                     | H-13        | H-30        | H-61     |
| 76.94                     | H-14        | H-32        | H-65     |
| 76.95                     | H-144       | H-39        | H-70     |
| 76.97                     | H-16        | H-40        | H-74     |
| H-016                     | H-17        | H-41        | H-75     |
| H-017                     | H-18        | H-42        | H-76     |
| H-02                      | H-22        | H-47        | H-80     |
| H-023                     | H-23        | H-48        | H-83     |
| H-04                      | H-24        | H-50        | H-84     |
| H-05                      | H-25        | H-53        | H-89     |
| H-06                      | H-26        | H-55        |          |
| H-08                      | H-27        | H-56        |          |
| <b>SKF / CR</b> · 49 refs |             |             |          |
| CR108710                  | CR3069      | CR3700      | CR4792   |
| CR1096                    | CR3105      | CR3710      | CR5346   |
| CR1131                    | CR3107      | CR3770      | CR54000  |
| CR1195                    | CR3108      | CR3810      | CR58775  |
| CR1291                    | CR3120      | CR3820      | CR6165   |
| CR137570                  | CR3260      | CR3830      | CR74310  |
| CR1595                    | CR3276      | CR3860      | CR806715 |
| CR171025                  | CR3301      | CR3865      | CR93115  |
| CR1857                    | CR3336      | CR3875      | CR93125  |
| CR1868                    | CR3344      | CR4049      | CR95620  |
| CR1906                    | CR3503      | CR4050      |          |
| CR191022                  | CR3518      | CR4143      |          |
| CR1919                    | CR3621      | CR43150     |          |

## 02 Rotary Shaft Seals · 253 entries

TC/TB series single- and double-lip shaft seals and their pressure variants (TCN/TCZ/TCV/DB/DC) for pumps, motors and gearbox shafts.

### DKB Oil Seal

|              |                 |                      |              |
|--------------|-----------------|----------------------|--------------|
| 14*22*6/9    | 22*32*6/9       | 155*175              | 105*121*8/11 |
| 65*79*8/11   | 25*37*6/9       | 44.45*63.45*9.5/13.5 | 175*195      |
| 120*136*9/12 | 80*94*8/11      | 40*52*6/9            | DKB250       |
| 200*225      | 140*160         | 95*109*8/11          | 55*69*7/10   |
| 19*31*6/9    | 25*42*6/9       | 160*180              | 110*126*8/12 |
| 70*84*8/11   | 30*42*6/9       | 50.8*69.45*9.5/13.5  | 180*205      |
| 125*141*9/12 | 85*99*8/11      | 45*57*6/9            | 60*74*7*10   |
| 210*230      | 150*170         | 100*114*8/11         | 115*131*9/12 |
| 20*32*6/9    | 44.45*53.82*5/7 | 170*190              | 190*215      |
| 75*89*8/11   | 35*47*6/9       | DKB240               |              |
| 130*146*9/12 | 90*104*8/11     | 50*62*6/9            |              |

### TCN Oil Seal

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
| AP4795       | 170*200*16     |
| AP2791       | 48*70*12       |
| AP4713       | 160*190*16     |
| AP2668       | 45*68*12       |
| AP4624       | 150*180*14     |
| AP2659       | 45*65*12       |
| AP4581       | 145*175*14     |
| AP2507       | 42*65*12       |
| AP4542       | 140*170*14     |
| AP2390       | 40*62*12       |
| AP4498       | 135*165*14     |
| AP2388       | 40*62*11       |
| AP4451       | 130*160*14     |
| AP2240       | 38*58*11       |
| AP4399       | 125*155*14     |
| AP2086       | 35*55*12       |
| AP4346       | 120*150*14     |
| AP2085       | 35*55*11       |
| AP4282       | 115*145*14     |
| AP2083       | 35*55*10       |
| AP4212       | 110*140*14     |
| AP2379       | 40*60*12       |
| AP4063       | 100*125*13     |
| AP1904       | 32*52*11       |
| AP4153       | 105*135*14     |
| AP1709       | 30*50*11       |
| AP3994       | 95*120*13      |
| AP1978       | 34*54*11       |
| AP3842       | 85*110*13      |
| AP1563       | 28*48*-11      |
| AP3618       | 75*100*13      |
| AP1148       | 22*42*11       |
| AP3744       | 80*105*13      |
| AP1338       | 25*45*11       |
| AP3932       | 90*115*13      |
| AP1033       | 20*40*11       |
| AP3527       | 70*95*13       |
| AP1147       | 22*42*10       |
| AP3409       | 65*90*13       |
| AP0875       | 19*35*8        |
| AP3461       | 68*90*14       |
| BP3054       | 65*90*12       |

| Code / Model | Size (ID*OD*W)  |
|--------------|-----------------|
| AP3297       | 62*85*12        |
| BP0494       | 72*95*13        |
| AP3154       | 58*80*12        |
| BP2777       | 75*95*11        |
| AP3222       | 60*82*12        |
| BP4561       | 40*60*15        |
| AP3055       | 55*78*12        |
| UP0445       | 44.45*63.5*9.5  |
| AP2965       | 52*75*10        |
| UP0449       | 34.93*57.15*7.9 |
| AP2967       | 52*75*12        |
| UP0450       | 33.02*72.29*9.5 |
| AP2864       | 50*72*12        |
| TCN          | 60*80*12        |

### DB Oil Seal

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
| BW4815       |                |
| BW4068       | 100*125*20     |
| BW5856       | 252*287*22     |
| BW5669       | 140*170*18     |
| BW4527       | 232*267*21     |
| BW1748       | 140*170*21     |
| BW6659       | 230*260*21     |
| BW5602       | 150*180*18     |
| BW5180       | 200*235*22(26) |
| AW5054       | 200*230*15     |
| BW4526       | 190*225*21     |
| BW4813       | 260*300*28     |
| BW0760       | 125*155*18     |
| BZ5284       | 240*275*21     |
| BW4528       | 160*195*21     |
| 185*215*18   |                |
| BW5073       | 160*190*23     |
| 110*140*22   |                |
| BW4545       | 140*170*20     |
| 90*115*20    |                |
| BW4680       | 122*152*21     |

### TB Oil Seal

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
| AD5346       |                |
| AD3618       | 75*100*13      |
| AD4713       | 160*190*16     |
| AD3744       | 80*110*13      |
| AD4624       | 150*180*14     |
| AD5061       | 200*235*18     |
| AD4581       | 145*175*14     |
| AD5562       | 280*320*28     |
| AD4542       | 140*170*14     |
| AD4983       | 190*225*16     |
| AD4451       | 130*160*14     |
| AD5205       | 220*250*16     |
| AD4399       | 125*155*14     |
| AD4898       |                |
| AD4282       | 115*145*14     |
| AD5560       | 280*320*20     |
| AD4346       | 120*150*14     |
| TB14*30*10   |                |
| AD4212       | 110*140*14     |
| TB13*25*7    |                |

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
| AD4063       | 100*125*13     |
| TB475*100*13 |                |
| AD4153       | 105*135*14     |
| AR3505       | 70*88*12       |
| AD3842       | 85*110*13      |

### BABSL Oil Seal

|                     |                |                    |                         |
|---------------------|----------------|--------------------|-------------------------|
| CF-18*35*8          | CF-25*47*6     | CF-50*70*10        | CF-60*75*8              |
| CF-65*90*7          | CF-140*160*8   | CF-30*40*7         | CF-40*62*6              |
| CF-42*62*7          | CF-50*70*7     | CF-60*80*10        | CF-45*60*7              |
| CF-25*37*6          | CF-28*40*6     | CF-55*75*7         | 57.15*76.2*9.5/11.2 FKM |
| CF-18*30*6          | CF-165*190*13  | CF-30*42*6         | CF-35*56*6              |
| CF-90*110*7.5       | CF-50*72*7     | CF-70*90*10        | CF-70*90*c              |
| CF-45*65*7          | CF-80*100*7    | CF-55*78*8         | CF-60*80*7              |
| CF-25*35*6          | CF-52*72*7     | CF-32*42*6         | CF-35*54*6              |
| CF-120*140*7.5      | CF-25*40*10    | CF-18*32*7         | CF-50*80*7              |
| CF-45*70*7          | CF-35*47*6/5.5 | CF-45*80*7         | CF-70*90*7              |
| CF-25*40*6          | CF-55*70*7/8   | CF-35*52*6         |                         |
| CF-65*105*10/14 FKM | CF-30*50*7     | CF-32*47*64        |                         |
| CF-45*62*7          | CF-27*42*10    | CF-17.46*28.58*6.3 |                         |

### TCV Oil Seal

|              |          |
|--------------|----------|
| ISP1D14*25*7 | 17*35*8  |
| MHSA19*32*8  | AP1260   |
| AP0598       | 24*40*8  |
| 15*30*7      | AP1665   |
| AE0743       | 30*42*7  |
| 17*30*7      | AP1536   |
| AP0787       | 28*48*11 |
| AP0751       | AP2775   |
| 17*32*8      | 48*62*9  |
| BP1518       | AP8738   |
| AP0760       | 55*78*8  |

### TCV Oil Seal (AP series)

| Code / Model    | Size (ID*OD*W) |
|-----------------|----------------|
| AP2085A         | 35*55*11       |
| AP2240A         | 38*58*11       |
| AP2388A         | 40*62*11       |
| AP2659 CONBINED | 45*65*12       |
| AP2668A         | 45*68*12       |
| AE3055          | 55*78*12       |
| AE3222          | 60*82*12       |
| AE3297          | 62*85*12       |
| AH3409P         | 65*90*13       |
| AE3527          | 70*95*13       |
| XP0803F         | 55*78*10       |
| BC5666F         |                |
| BC5667          |                |

### DC Oil Seal

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
| AW2240       | 38*58*11       |
| AW2388       | 40*62*11       |
| AW2506       | 42*65*12       |
| AW2668       | 45*68*12       |
| AW3055       | 55*78*12       |
| AW3222       | 60*82*12       |

### TAY Oil Seal

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
|--------------|----------------|

| Code / Model  | Size (ID*OD*W) |
|---------------|----------------|
| BA3494        | 120*150*15/18  |
| BA3366        | 180*210*16/18  |
| BA3659        | 195*225*16/18  |
| BA4023        | 230*260*16/18  |
| TA 120X160X17 |                |
| TA 130*160*17 |                |

### TCZ Oil Seal

| Code / Model | Size (ID*OD*W) |
|--------------|----------------|
| AP7615       |                |
| AP2083E      | 35*55*9        |
| AP2666F      | 45*68*9        |
| AP2861F      | 50*72*9        |
| AP3053E      | 55*78*9        |

### VB Oil Seal (springless)

|            |              |             |              |
|------------|--------------|-------------|--------------|
| VB60*75*8  | VB85X100X5.5 | VB120*135*7 | VB160X180X10 |
| VB 70*85*8 | VB115X135X6  | VB155*170*7 | VB125*140*7  |

## 03 Combined & Hub Seals · 106 entries

Combined (with dust lip), hub, and GA/VA/15Z series — for wheel ends, axle housings and heavy hubs.

### Combined Oil Seal

|                      |                     |                       |            |
|----------------------|---------------------|-----------------------|------------|
| 30*44*14             | 48*65*16.5          | 57*73/76*10/13.8      | 45*62*11   |
| 45*65*16             | 48*65*19            | 45*60*16/17           | 56*80*16   |
| 62*78-81*10-13.8     | 40*55*15.5          | 55*75*22              | 50*72*16.5 |
| 30*44*17/19          | 46*65*21 half-cased | 46.15*80*16.5         | 45*62*19   |
| 46*65*16             | 58*82*16            | 42*62*14              | 65*92*14   |
| 73*89.5/92.5*10-13.8 | 40*60*18.5          | 56*75*22.5            | 45*60*16   |
| 35*52*16             | 50*65*18            | 32*44*14              | 45*65*12   |
| 46*65*21             | 58*82*15            | 42*62*21.5            | 65*92*18   |
| 40*55*10             | 40*60*25            | 56*75*22.5 half-cased |            |
| 35*52*17/18.5        | 55*75*16            | 55*80*11              |            |

### Hub Oil Seal

|                   |                 |                   |                   |
|-------------------|-----------------|-------------------|-------------------|
| 45*70*14/17       | 150*176*15.5/16 | 85*110*13/14.5    | 189.8*230*15.5/16 |
| 140*170*14.5/15.5 | 65*92*10/15     | 167.8*198*5.5/16  | 120*160*28.5      |
| 53.2*78*14        | 150.15*178*14.5 | 110*140*14.5/15.5 | 235*280*15/22.5   |
| 148*170*15.5      | 35*92/98*13/27  | 170*200*15.5/16   | 130*160*14.5/16   |
| 70*95*13/14.5     | 150*180*14.5/16 | 105*135*13/14.5   | 155*190*14.5/16   |
| 145*175*14.5/15.5 | 80*110*12/16    | 178*205*18        | 136.8*165*13/12   |
| 66.15*91*12.5/14  | 165*195*16.5/18 | 127*160*14.5/16   |                   |

### GA Oil Seal

|              |               |                |                |
|--------------|---------------|----------------|----------------|
| GA37*47*7/10 | GA45*55*7/10  | GA55*65*7/10   | GA65*75*7/10   |
| GA75*85*7/10 | GA85*95*7/10  | GA95*105*7/10  | GA120*130*7/10 |
| GA40*50*7/10 | GA50*60*7/10  | GA60*70*7/10   | GA70*80*7/10   |
| GA80*90*7/10 | GA90*100*7/10 | GA110*120*7/10 | GA130*140*7/10 |

### VA Oil Seal

|       |       |        |        |
|-------|-------|--------|--------|
| VA 70 | VA 85 | VA 100 | VA 130 |
| VA 75 | VA 90 | VA 105 |        |
| VA 80 | VA 95 | VA 110 |        |

### 15Z Oil Seal

|                  |                |                  |                  |
|------------------|----------------|------------------|------------------|
| 15Z22*42*10      | 15Z28*48*10    | 15Z90*110*10     | 15Z140*170*17    |
| 15Z155X180X15    | 15Z 160x190x24 | 15Z 200*235*18   | 15Z 210*250*19.5 |
| 15Z 25X42X10     | 15Z80*100*10   | 15Z120*150*17.5  | 15Z 150X180X15   |
| 15Z 160X190X16.5 | 15Z 180X210X16 | 15Z 200*235*22.5 |                  |

## 04 Wear Rings & Special Seals · 539 entries

Wear, guide and special-profile seals for hydraulic cylinders and rotating components.

### WR Wear Ring

|              |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|--------------|
| 40*35*10     | 100*94*2     | 130*123*40   | 165*157*15   | 85*77*15     | 120*115*8    |
| 95*86*10     | 125*117*15   | 160*148*15   | 80*75*20     | 115*110*6    | 140*128*17.5 |
| 120*110*10   | 150*143*45   | 70*64*20     | 110*104*12.5 | 140*133*9.5  | 185*172*22   |
| 150*145*9.5  | 60*55*25     | 105*99*25    | 135*128*20   | 175*167*15   | 90*81*12.5   |
| 45*40*9.5    | 100*94*25    | 130*120*10   | 165*157*25   | 90*85*6      | 120*115*9.5  |
| 95*86*12.5   | 125*115*15   | 160*148*20   | 80*74*15     | 115*110*8    | 145*140*8    |
| 125*120*8    | 150*138*12.5 | 75*70*9.5    | 110*104*15   | 140*133*12.5 | 190*185*0    |
| 150*145*12.5 | 60*54*15     | 105*96*10    | 135*128*25   | 175*167*25   | 95*90*6      |
| 45*40*15     | 100*94*30    | 130*120*15   | 170*165*9.5  | 90*85*9.5    | 120*115*15   |
| 100*95*6     | 130*125*8    | 160*140*20   | 80*74*20     | 115*110*9.5  | 145*140*9.5  |
| 125*120*9.5  | 160*155*9.5  | 75*70*25     | 110*104*22   | 140*133*15   | 190*185*15   |
| 150*145*15   | 63*58*10     | 105*96*12.5  | 135*125*10   | 175*162*25   | 95*90*8      |
| 50*45*10     | 100*92*15    | 135*130*8    | 170*165*12.5 | 90*85*15     | 120*114*6    |
| 100*95*8     | 130*125*9.5  | 165*160*12.5 | 80*74*30     | 115*110*15   | 145*139*25   |
| 125*120*15   | 160*155*12.5 | 75*69*15     | 110*104*25   | 140*133*20   | 190*184*14   |
| 150*143*15   | 65*60*9.5    | 110*105*6    | 135*125*15   | 180*175*9.5  | 95*90*9.5    |
| 50*45*15     | 100*91*12.5  | 135*130*9.5  | 170*165*15   | 90*85*30     | 120*114*15   |
| 100*95*9.5   | 130*125*15   | 165*160*15   | 85*80*6      | 115*109*15   | 145*138*9.5  |
| 125*120*25   | 160*155*15   | 75*69*25     | 110*104*27   | 140*133*35   | 190*182*22.9 |
| 150*143*20   | 65*60*15     | 110*105*7.9  | 140*135*8    | 180*175*15   | 95*90*15     |
| 50*44*15     | 105*100*6    | 135*130*12.5 | 170*164*9.5  | 90*84*12.5   | 120*114*22   |
| 100*95*15    | 130*125*40   | 165*159*25   | 85*80*9.7    | 115*107*15   | 145*138*15   |
| 125*119*9.5  | 160*153*20   | 80*75*6      | 110*104*30   | 140*133*40   | 190*182*25   |
| 150*143*21   | 70*65*9.5    | 110*105*8    | 140*135*9.5  | 180*172*22.5 | 95*90*25     |
| 55*50*15     | 105*100*8    | 135*130*15   | 170*162*15   | 90*84*20     | 120*114*30   |
| 100*94*6     | 130*123*9.5  | 165*159*30   | 85*80*15     | 115*106*9.5  | 145*138*20   |
| 125*119*15   | 160*153*35   | 80*75*8      | 110*102*15   | 140*132*20   | 190*182*28.5 |
| 150*143*22   | 70*65*15     | 110*105*9.5  | 140*135*12.5 | 185*177*25   | 95*89*12.5   |
| 60*55*9.5    | 105*100*9.5  | 135*129*9.7  | 170*162*25   | 90*84*25     | 120*112*15   |
| 100*94*9.7   | 130*123*15   | 165*158*15   | 85*79*12.5   | 115*106*15   | 145*137*15   |
| 125*118*9.5  | 160*153*40   | 80*75*9.5    | 110*101*12.5 | 140*128*10   | 95*89*20     |
| 150*143*35   | 70*65*20     | 110*105*20   | 140*135*15   | 185*173*22.5 | 120*111*10   |
| 60*55*9.7    | 105*100*15   | 135*128*9.5  | 170*162*50   | 90*84*30     | 145*133*12   |
| 100*94*12.5  | 130*123*30   | 165*157*9.5  | 85*79*15     | 115*105*10   | 95*87*15     |
| 125*118*15   | 160*153*45   | 80*75*15     | 110*101*15   | 140*128*12.5 | 120*111*15   |
| 150*143*40   | 70*64*15     | 110*104*6    | 140*135*25   | 185*173*25   | 150*145*8    |
| 60*55*15     | 105*99*20    | 135*128*15   | 170*158*20   | 90*82*15     |              |

### AQ / BQ Seal

| Code    | Size (ID*OD*W)     |
|---------|--------------------|
| AQ8673P | 65*100*12/19.5     |
| AQ7551  | 120*158*11/24      |
| AQ7021  |                    |
| BQ3078  | 121*170*12/19.5    |
| AQ2657  | 75*11*11.5/18.5    |
| BQ2520  | 126*160*21.5       |
| AQ7125  | 85*115*11/19       |
| AQ8143  | 130*170*15.5/24    |
| AQ7275  | 90*125*12.5/20.5   |
| AQ8959  |                    |
| AQ9151  | 92*127.5*10.7/17.7 |
| AQ1389  |                    |
| AQ2679  | 93.5*130*11.5/20   |
| AO1723  |                    |
| AQ8958  | 100*135*12/19.5    |
| BQ3994  |                    |

| Code   | Size (ID*OD*W)    |
|--------|-------------------|
| AO1527 | 105*140*10.7/21.5 |
| BQ4033 |                   |

### DLI Seal

|           |            |                |                 |                   |                    |
|-----------|------------|----------------|-----------------|-------------------|--------------------|
| 30*40*4   | 50*65*5    | 50*65*7        | 90*110*8        | 110*135*8         | 75*96*10           |
| 50*63*4   | 85*100*5   | 85*100*7       | 120*140*8       | 140*160*8         | 70*90*12           |
| 85*100*4  | 60*70*5    | 120*135*7      | 150*180*8       | 55*65*3           | 180*200*7,5        |
| 110*125*4 | 60*75*5    | 60*75*7        | 63*78*8         | 95,2*107,9*8,3    | 80*100*10          |
| 35*45*4   | 90*106*5   | 80*105*7       | 95,25*111,28*8  | 140*170*10        | 150*180*12,5       |
| 60*75*4   | 95*110*5   | 130*145*7      | 120*130*8       | 140*160*15        | 200*220*7,5        |
| 90*105*4  | 60*80*5    | 65*75*7        | 160*175*8       | 50,8*60,63*4,78   | 85*100*10          |
| 105*120*4 | 100*115*5  | 90*100*7       | 65*80*8         | 108,03*119,46*8,3 | 90*110*12          |
| 40*50*4   | 65*75*5    | 130*140*7      | 95*111*8        | 150*170*10        | 113,4*130,2*7,8    |
| 60*70*4   | 110*125*5  | 70*80*7        | 107,95*120,8*8  | 220*255*15        | 89*118,3*10        |
| 95*110*4  | 65*80*5    | 90*105*7       | 160*180*8       | 63,5*76,33*4,78   | 140*170*12         |
| 130*150*4 | *6         | 140*150*7      | 75*90*8         | 110*155*8,5       | 63,5*76,33*7,92    |
| 45*55*4   | 60*75*6    | 70*90*7        | 95*110*8        | 150*180*10        | 100*120*13         |
| 65*75*4   | 95*110*6   | 90*110*7       | 165*184*8       | 107,95*120,78*4,7 | 140*165*12         |
| 100*125*4 | 60*80*6    | 140*155*7      | 70*85*8         | 140*160*9         | 69,85*82,88*7,92   |
| 115*130*4 | 65*80*6    | 75*90*7        | 100*110*8       | 154*203*10        | 110*130*10         |
| 45*60*4   | 100*115*6  | 95*110*7       | 120,65*136,68*8 | 101,6*117,63*4,7  | 280*310*12         |
| 65*80*4   | 70*80*6    | 150*160*7      | 180*200*8       | 76,2*95,4*9,52    | 76,2*89,04*7,92    |
| 100*115*4 | 71*86*6    | 75*85*7        | 70*83*8         | 160*180*10        | 97*131*10          |
| 70*80*4   | 110*125*6  | 100*110*7      | 100*116*8       | 31,8*41,4*5,4     | 88,9*114,45*12,7   |
| 100*110*4 | 60*73*6    | 160*175*7      | 127*146,2*8     | 130*160*9,5       | 114,3*133,5*7,9    |
| 50*65*4   | 70*85*6    | 80*90*7        | 125*140*8       | 160*190*10        | 120*140*10         |
| 75*90*4   | 150*160*6  | 100*115*7      | 70*84*8         | 38,1*50,9*6,35    | 119,86*160*12,75   |
| 50*60*4   | 45*55*6    | 80*93*7        | 100*115*8       | 120*150*9,5       | 88,9*104,98*7,92   |
| 70*85*4   | 115*135*6  | 105*120*7      | 125*142*8       | 170*190*10        | 125*145*10         |
| 120*135*4 | 45*60*6    | *8             | 76,2*88,9*8     | 44,45*57,25*6,35  | 80*105*13          |
| 55*68*4   | 80*95*6    | 45*55*8        | 100*120*8       | 110*140*9,5       | 92,71*111,25*7,95  |
| 80*90*4   | 90*110*6   | 88,90*108,08*8 | 125*146*8       | 170*200*10        | 120*150*10         |
| 125*140*4 | 75*90*6    | 115*130*8      | 80*93*8         | 50,8*63,8*6,35    | 105*125*13         |
| 55*65*4   | 80*100*6   | 140*164*8      | 100*130*8       | 150*180*9,5       | 114,3*133,5*7,9    |
| 80*95*4   | 60*70*6    | 50*63*8        | 114,30*127,50*8 | 200*220*10        | 122*168*10         |
| *5        | 55*70*6    | 88,9*114,45*8  | 80*95*8         | 55*70*7,5         | 90*130*13          |
| 35*45*5   | 85*100*6   | 115*135*8      | 100*125*8       | 170*200*9,5       | 82,55*95,38*7,9    |
| 71*86*5   | 80*90*6    | 140*170*8      | 127*152,58*8    | 180*200*10        | 130*150*10         |
| 70*90*5   | 70*90*6    | 60*70*8        | 76,2*95,4*8     | 57,15*69,95*6,35  | 160*190*13         |
| 45*55*5   | 90*105*6   | 85*100*8       | 105*120*8       | 105*125*9         | 107,95*120,65*7,92 |
| 70*85*5   | 90*100*6   | 101,6*117,63*8 | 130*150*8       | 80*95*10,5        | 130*155*10         |
| 120*135*5 | *7         | 150*160*8      | 82,55*95,38*8   | 66,68*79,5*6,35   | 180*210*13         |
| 40*50*5   | 25*35,15*7 | 60*75*8        | 101,6*120,8*8   | 110*150*9         | 101,6*117,5*7,9    |
| 75*90*5   | 80*95*7    | 90*105*8       | 130*155*8       | 150*180*11        | 138*187*10         |
| 44*54*5   | 110*120*7  | 108*124*8      | 82,5*98,5*8     | 70*85*7,5         | 200*230*13         |
| 45*60*5   | 45*55*7    | 150*165*8      | 110*125*8       | 160*190*9         | 69,8*82,58*7,92    |
| 80*90*5   | 85*95*7    | 63*70*8        | 130*154*8       | 120*150*12        | 140*160*10         |
| 90*110*5  | 110*125*7  | 90*106*8       | 88,9*104,9*8    | 64*90,5*7,5       | 220*250*13         |
| 50*60*5   | 55*70*7    | 120*135*8      | 110*130*8       | 65*85*10          |                    |
| 80*95*5   | 80*100*7   | 150*175*8      | 130*160*8       | 130*160*12        |                    |
| 30*40*5   | 120*130*7  | 62*70*8        | 88,9*101,6*8    | 160*180*7,5       |                    |

### Star Ring

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| 0734317170 FPM | 0734317106 FPM | 0501319959 NBR | 0501312497 FPM |
| 0734317382 FPM | 0734317178 FPM | 0501319960 NBR | 0501312450 FPM |
| 0734317169 FPM | 0501319957 NBR | 0501312498 FPM |                |
| 0734317105 FPM | 0501319958 NBR | 0501312499 FPM |                |

### Retainer

| Code   | Application |
|--------|-------------|
| BZ5034 | KOBELCO 200 |

| Code        | Application |
|-------------|-------------|
| XZ0531E     | KOBELCO 250 |
| X70532E     | CAT 307     |
| LIUGONG 200 | LIUGONG 360 |
| LIUGONG 240 | LIUGONG 936 |
| SANY 135    | LIUGONG 60  |
| KOMATSU 60  |             |

## 05 Appendix: Part Numbers & Type Reference · 38 entries

Caterpillar-format seal part numbers, plus a quick reference of hydraulic seal designations by mounting position.

### Caterpillar Part No. (cross-reference only)

|        |          |          |          |          |
|--------|----------|----------|----------|----------|
| 8C9131 | 2253293- | 8T8389   | 8C9134   | 233018-6 |
| 9X3569 | 9X3565   | 2330617- | 8C9135   | 8C3840   |
| 9X7262 | 8C5218   | 9X3567   | 2330625- | 2253288- |
| 8C9132 | 2253299- | 2253286- | 9X7259   |          |
| 8C3842 | 8C9133   | 2330619- | 3119321- |          |

### Hydraulic Seal Designations

| Type Code                      | Application                             |
|--------------------------------|-----------------------------------------|
| <b>ODI / OSI</b>               | Piston U-cup seal                       |
| <b>SPG / SPGW / SPGO</b>       | Piston PTFE cap / step seal             |
| <b>IDI / ISI</b>               | Rod U-cup seal                          |
| <b>UPH / USH</b>               | Universal U-cup (piston and rod)        |
| <b>DKB / DKBI / DKI / LBH</b>  | Rod wiper / dust seal                   |
| <b>HBV / HBVS</b>              | Buffer seal (rod side)                  |
| <b>RYT</b>                     | Step wear ring                          |
| <b>WR</b>                      | Wear ring / guide ring                  |
| <b>BRT / BRN</b>               | Bearing ring                            |
| <b>TC / TB / SC / SB</b>       | Rotary shaft seal (single / double lip) |
| <b>TCK / TCZ / TCV / TCN</b>   | Pressure-resistant shaft seal           |
| <b>DB / DC</b>                 | Shaft seal with dust lip                |
| <b>VA / VB / VC</b>            | Springless V-ring seal                  |
| <b>O-ring / star ring</b>      | Static and dynamic sealing              |
| <b>Back-up ring / retainer</b> | Pressure support / oil retention        |



## Contact Us

---

Website

**[vkefot-seals.com](http://vkefot-seals.com)**

Email

**[info@vkefot-seals.com](mailto:info@vkefot-seals.com)**

Tel / WhatsApp

**+86 158 1031 8261**

Xingtai Hanchi Intelligent Technology Co., Ltd.  
邢台汉驰智能科技有限公司

East of Anzhuang Village, Dicun Township, Julu County, Xingtai City, Hebei  
Province, China