

































































Clipper Oil Seal and Parker Oil Seal Profiles

| | | | | | | | |
|--|--|--|---|---|---|--|--|
|  Style A |  Style E |  Style L |  Style S |  BDC |  BDV |  BSC |  BSV |
|  CAP |  CB |  CH |  CL |  Clipper Sliptite |  DA |  DB |  DC |
|  DC4 |  DL |  DS |  DM |  H |  HP |  KA |  KAP |
|  KB |  KBJ |  KBP |  KC |  KC8 |  KCJ |  KG |  KM |
|  LDS |  LDSF |  LDSW |  LifeLine |  LPD |  LPD Spring Retainer |  LPDW |  LUP |
|  LUPW |  MP |  MIST |  NSC1 |  NSC3 |  NSC4 |  NTC1 |  NTC3 |
|  NTC4 |  OKA |  OKB |  OKC |  OKM |  OL |  OSA |  OSB |
|  OSC |  OSM |  OTA |  OTB |  OTM |  OTC |  OUA |  OUB |
|  OUC |  OUM |  OVA |  OVB |  OVC |  OVM |  P |  RPD |
|  RPDT |  RUP |  RUPW |  SA |  SAE |  SAP |  SB |  SBF |
|  SBJ |  SBP |  SC |  SCE |  SCF |  SCJ |  SD |  SD2 |
|  SEC |  SEM |  SDS |  SG |  SM |  SME |  SS |  SSW |















Clipper Oil Seal and Parker Oil Seal Profiles (Continued)

| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  STLUP |  STLUP w/Buttons |  ST MIST |  ST MIST w/Buttons |  SXA |  SXB |  SXC |  TA |
|  TAP |  TB |  TBF |  TBH2 |  TBH4 |  TBJ |  TBP |  TBV |
|  TBY2 |  TBY3 |  TC |  TC8 |  TC12 |  TCF |  TCJ |  TCV |
|  TCK |  TC9 |  TD |  TD6 |  TDN3 |  TEA |  TEC |  TEM |
|  TG |  TG13 |  TM |  TMAL |  TMAS |  TN |  TSS |  UA |
|  UB |  UC |  VA |  VAP |  VB |  VB1 |  VB3 |  VB4 |
|  VB6 |  VBJ |  VBP |  VC |  VCJ |  VG |  VM |  VM1 |
|  VM2 |  W |  WPC |  WPK |  WPR |  **L |  **R |  **W |

Shaft Seal Profiles

| | | |
|--|---|---|
|  Quick Sleeve |  Wear Sleeve — Flanged |  Wear Sleeve — Non-flanged |
|--|---|---|

ProTech Bearing Isolator Profiles

| | | | | | | |
|--|--|---|--|--|--|--|
|  LS |  LN |  WD |  FS |  FN |  SB |  LB |
|  LM |  LD |  LW/LX |  SL |  ML |  MN |  SM |

**Hydrodynamic lip pattern. L = CCW shaft rotation
 R = CW shaft rotation
 W = Bi-directional shaft rotation