

# OVERVIEW OF COOPER NOMENCLATURE

## PART DESCRIPTION: 01 BCP 507 EX ATL C3

### SERIES

- 100**.....light duty
- 01**.....medium duty
- 01E**.....enhanced medium duty:  
bore size 111 to 400  
(metric 45M to 105M) and  
607 to 1200 (metric 160M  
to 300M)
- 02**.....heavy duty
- 02E**.....enhanced heavy duty:  
bore size 607 to 1200  
(metric 160M to 300M)
- 03**.....extra heavy duty
- .....
- 04**.....high speed
- 07**.....medium duty water-cooled
- 07I**.....medium duty water-cooled  
without top half outer race
- 08**.....heavy duty water-cooled
- 08I**.....heavy duty water-cooled  
without top half outer race
- MSP**.....obsolete designation, use 01  
or 01E
- HSP**.....obsolete designation, use 02  
or 02E
- XHP**.....obsolete designation, use 03

### CONFIGURATION

- B**.....bearing only
- BC**.....bearing, cartridge, & seals
- BCP**.....complete pillow block
- BC4P**.....complete pillow block with  
4-bolt base for sizes where  
2-bolt is standard outside  
US 01 series: 303 to 408  
bore 02 series: 211 to 400  
bore
- BCSAFC**.....complete pillow block unit  
with SAFC pedestal
- BCPNE**.....complete pillow block unit  
with Type E pedestal
- BCSNC**.....complete pillow block unit  
with SNC pedestal
- BCPM**.....complete pillow block unit  
with M-line pedestal
- BCPS**.....complete pillow block unit  
with steel pedestal
- BCF**.....complete round flange unit
- BCDF**.....complete square flange unit
- C**.....cartridge only
- P**.....pedestal only
- Z**.....marine pedestal
- .....
- BH**.....complete hanger unit
- BCRES**.....complete rod end shoe type
- BCRET**.....complete rod end tee type
- BCTP**.....complete takeup push type
- BCTT**.....complete takeup tension type

### BORE SIZE

- Inches** – last 2 digits represent  
the number of 1/16"ths  
Example: 307 = 3-7/16"  
1008 = 10-1/2"  
104 = 1-1/4"
- .....
- Metric** – in millimeters (mm),  
denoted by M  
Example: 130M  
75M  
320M

### SEAL TYPE

- ATL**.....aluminum triple labyrinth seals  
(standard seals up to 12"bore;  
available with Buna rubber or  
Viton "O" rings)
- PTL**.....plastic (HDPE) triple labyrinth  
seals
- HTP**.....high temperature packing seals
- SRS**.....split rubber seals
- FELT**.....felt seals
- LAB**.....grease groove seals  
(also known as GG)
- SRSRP**.....split rubber seal with  
retaining plate

### TYPE

- EX**.....expansion type
- GR**.....fixed type

### SPECIAL FEATURES

- C2 (or 02)**.....less than standard clearance
- C3 (or 03)**.....greater than standard  
clearance
- C5 (or 05)**.....greater than C3 clearance
- GM**.....gunmetal roller cage
- SI**.....SI swivel fit
- TE**.....drilled & tapped for RTD
- RO**.....drilled & tapped for  
recirculating oil
- OM**.....drilled & tapped for oil mist
- CLO**.....drilled & tapped for  
constant level oiler
- NP**.....nickel plated
- FR**.....full complement of rollers
- EL**.....electrical specification
- SLUB**.....spherical lubrication
- PBR**.....pedestal base reduction
- GP**.....grease ports
- BPTL**.....blanking plate
- BEM**.....base ends machined