

# 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

### TYPE

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

### SEAL TYPE

**ATL**.....aluminum triple labyrinth seals  
 (standard seals up to 12" bore;  
 available with Buna rubber or  
 high temperature "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

### 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