1508S

PINION UP-ZERK
PINION DOWN-PLUG

PINION UP-OIL LEVEL
PINION DOWN-PLUG

.125-NPT
GREASE ZERK PORT
(REF. ALEMITE #1649-B)
(CUSTOMER SUPPLIED)

4.06

8.00

1.00

0.69

.750 ø
(4 PLACES ON A 9.00 ø
B.C. REF.)

6.363

3.182

PINION UP-FILL & VENT
PINION DOWN-OIL DRAIN

.500-13 UNC-2B
(2 PLACES)

2.063

PINION UP-OIL DRAIN
PINION DOWN-FILL & VENT

3.182

4.623 ø
4.621

7.25 ø

6.363

2.094

4.00

3.286 ø
3.276

ø 3.252
3.255

4.188

8.00

.500-13 UNC-2B
X .750 DEEP

1.00 6B SPLINE

4.00

PINION UP-PLUG
PINION DOWN-OIL LEVE
.125-NPT

8.00

S.A.E. #4 O-RING
BRAKE RELEASE PORT

.125−NPT
GREASE ZERK PORT
(REF. ALEMITE #1649−B)
(CUSOTMER SUPPLIED)

OIL VENT/FILL
S.A.E. #6
O−RING PORT

OIL LEVEL
S.A.E. #6
O−RING PORT

S.A.E. #4 O−RING
BRAKE RELEASE PORT

DRAIN PLUG
S.A.E. #4
O−RING PORT

MODIFIED 4−BOLT 'A'
OPTIONAL

.500−13UNC−2B
2−HOLES

.500−13UNC−2B TAP
X .94 DEEP

4.625 ∅
4.620

3.00

1.00

.69

4.75

10.87

8.00 ∅

∅.69
4−PLACES

∅3.252 PILOT
3.255

4.188

3.182

6.364

8.00

6.364

3.182

8.00

1.00 ∅, 6B SPLINE
ACCEPTS 1.78 MOTOR SHAFT
LENGTH ONLY

PART #: 82418

3025S

TWG a DOVER company

5.50
4.38
3.00
1.26
.63
2.875
8.25
Ø8.00
Ø 7.000 / 6.997
Ø 5.150 / 5.140 PINION
Ø 5.998 / 5.996

ECCENTRIC RING
(.160 OFFSET MAX)

.500–13 UNC–2B
.94 DEEP

1.00
OIL DRAIN
10.90

MOTOR MOUNT
SAE 2 BOLT–A
1.00–6B SPLINE
1.78" SHAFT LENGTH

5.000
11.000
23°
10.000
4.444
OIL LEVEL
30°
OIL FILL/VENT
3.012
2.500
.961
5.000
8.000

#4 SAE
BRAKE RELEASE PORT

PART #: 82413

4.50

17.65

11.39

3.81

1.25

1.00

3.00

OIL
DRAIN

OIL
LEVEL

WHITE MOTOR
12.5 cu-in.
1" 6B SPLINE
2 BOLT-A

ECCENTRIC RING
.090 MAX. OFFSET

8.00

4.00

11.00

10.00

ϕ 7.000
6.995

ϕ 5.998
5.996

ϕ 5.866
5.856

5.333
P.D.

ROLLER
STATOR

5.50

5.00

.625-11 UNC-2B
1.25▽

OIL FILL
& VENT

ϕ10.00

ϕ9.62

.96
TYP

20°

2.50

5.00

A

A

A

#4 SAE O-RING
BRAKE RELEASE
PORT

VIEW A-A

5236S

TWG
a DOVER company

20.43

4.50
9.44
1.75
.75

.090" ECCENTRIC RING

OIL DRAIN

OIL LEVEL

ϕ 7.500 / 7.497
ϕ 6.500 / 6.495

ϕ 10.00
ϕ 8.13

2.38

.625-1UNC-2B
X 1.125 DEEP

1.00

1.75

7.9 CI IN/REV HYD. MOTOR
WHITE PN: 255130A1702AAAAA
1/2" MANIFOLD PORTS A17

3.63
3.63

R.63
TYP.

ϕ .813
TYP.

5.69
5.37

4.60
TYP.

10.75
TYP.

OIL FILL & VENT

9.19
TYP.

ϕ .813 THRU, TYP (4)
PLCS EQUALLY SPACED
ON A 9.750 B.C.

A

A

4.60
TYP.

9.19
TYP.

10.75
TYP.

1.86

SAE #4 O-RING
BRAKE RELEASE
PORT

SECTION A-A
SCALE 1 : 4

PART #: 83027-API

6036S

TWG a DOVER company

27.24
4.50
3.000
17.06
1.00
10.25
1.50

A

5.866
5.856

Ø 7.500
7.497
.09 OFFSET
ECCENTRIC
RING

Ø 10.00

Ø 8.13

A

2.22
3.18

Ø 11.13

OIL DRAIN
#6 SAE

OIL FILL & LEVEL
#6 SAE

1.93
5/16-18 UNC
PORT B
2.50
1.80
PORT A
1.12

GEARBOX
VENT

⚠4 SERVICE BRAKE APPLICATION
#4 SAE

⚠4 BRAKE COOLING IN
#6 SAE

BRAKE RELEASE
#4 SAE

BRAKE VENT/
BRAKE COOLING OUT
⚠4 #6 SAE

.625-11 UNC-2B
⊽ 1.12

12X Ø.281

Ø 7.09
B.C.

.09

8X Ø.656
THRU

VIEW A-A

1. UNIT PRIMED WITH GRAY PRIMER
2. GEARBOX FILLED WITH 2.50 QTS EP-90 OIL.
3. FILL BRAKE WITH HYDRAULIC FLUID PRIOR
   TO OPERATION
⚠4. BRAKE MUST BE COOLED IF SERVICE BRAKE IS USED.
   PLUG BRAKE PORTS WITH PLUG AND VENT, AS SHIPPED,
   IF SERVICE BRAKE IS NOT USED.
5. PRESSURIZE PORT A FOR CLOCKWISE ROTATION, PORT B FOR
   COUNTERCLOCKWISE ROTATION VIEWED FROM THE SHAFT END

PART #: 82472

22.44 ①

6.16

.96

.63

1.05

4.25

.625−11 UNC THR'D.
↓ 1.125

GEARBOX
OIL FILL/VENT
#8 SAE

BRAKE
COOLING IN
#6 SAE

BRAKE
COOLING OUT
#6 SAE

GEARBOX
OIL DRAIN
#8 SAE

7.34
TYP.

①

R.73
TYP.

R1.00
TYP.

2.50
TYP.

14.96

12.000
11.997

ø8.75

6.394
ø 6.384

ø10.63

SAE #10
.875−14 UNF
(BOTH PORTS)

GEARBOX
LEVEL
#8 SAE

CHAR−LYNN
2000 SERIES
9.60 CU.−IN.

STATIC BRAKE
RELEASE PORT
#4 SAE

DYNAMIC BRAKE
APPLY PORT
#4 SAE

SPEED REDUCER
PERFORMANCE INFO.

30°

ø.938
MOUNTING HOLES
ON ø13.50" B.C.
11 HOLES ON A
12 HOLE PATTERN

OIL DRAIN #8 SAE

Ø.688 MOUNTING HOLES ON Ø16.000" B.C. 20 PLACE EQ. SPACED

MOTOR MOUNT 14T 12/24 SPLINE 2-BOLT A MOUNT

BRAKE RELEASE #4 SAE

30°

OIL FILL/VENT

OIL LEVEL (DIPSTICK)

Ø13.039

**"X"

7.75

13.32

2.94

3.75

.50

1.13

Ø17.50

** Ø 13.000 / 12.992 PILOT (OFFSET .06)

Ø9.25

Ø12.75

Ø8.75

Ø6.72