Left view callouts:

2X 3.62±.01 [91.9±.2]

30° INVOLUTE SPLINE-INTERNAL
14 TOOTH 12/24 PITCH
FLAT ROOT, SIDE FIT, CLASS 7
PER ANSI B92.1-1970

Center / section view callouts:

5.30 [134.5]

3.17 [80.5]

2.43 [61.8]

.92 [23.4]

1.00 [25.4]

.10 [2.5]

.538 +.007 -.008 [13.67 +.17 -.20]

.131±.005 X 45° [3.33±.12]

R.030 [.762]

IF USED IN SUMP CONDITION REPLACE THIS O-RING PLUG WITH A VENTED TYPE PLUG

Ø5.002±.001 [127.05±.02]

Ø4.498±.001 [114.25±.02]

Ø7.77 [197.3]

Ø1.1248 +.0002 -.0003 [28.570 +.005 -.007]

2X .90±.01 [22.9±.2]

2X 1.670±.015 [42.42±.38]

2X BRAKE RELEASE PORTS
#4 SAE O-RING PORTS
PER SAE J1926/1: 7/16-20
(1) PRESSURE PORT
(1) BLEEDER PORT
(180° APART)

2X COOLING PORTS
#6 SAE O-RING PORTS
PER SAE J1926/1: 9/16-18
(1) FILL PORT
(1) DRAIN PORT
(180° APART)

Right view callouts:

4X Ø.565 +.007 -.008 [14.34 +.17 -.20] THRU
Ø.750±.005 [19.05±.12]
.530 [13.46]
(ON A Ø6.375 [161.93] B.C)
MOUNTING HOLES

2X 4.508±.010 [114.50±.25]

2X 2.254±.005 [57.26±.12]

ARROW INDICATES
FREE WHEEL DIRECTION
FOR REFERENCE ONLY NOT INDICATED
ON PRODUCT

2X 3.69±.01 [93.8±.2]

2X 2.254±.005 [57.25±.12]

2X 4.508±.010 [114.50±.25]

4X M10 X 1.5 .50 [12.7]
ON A Ø5.875 [149.23] B.C
IN ADAPTER

INCH
[MILLIMETER]

NOTES:
1. USE MINERAL BASE HYDRAULIC OIL ONLY FOR BRAKE RELEASE.
2. DIMENSIONS WITHOUT TOLERANCES MAY VARY SLIGHTLY AND ARE FOR REFERENCES PURPOSE ONLY.
   MILLIMETER VALUES MAY NOT BE AN EXACT CONVERSION OF INCH VALUES.
3. O-RING REPAIR KIT P/N 12-501-295
4. BEARING REPAIR KIT P/N 12-501-094
5. SPRING REPAIR KIT P/N 12-501-294
6. LINING REPAIR KIT P/N 12-501-371

SPECIFICATIONS:

TYPE: WET MULTIPLE DISC BRAKE, (WITH ONE WAY CLUTCH)
SPRING APPLY, HYDRAULIC RELEASE.

TORQUE RATING: 3,200 LBIN STATIC (BREAKAWAY) AT 0 PSI BACK PRESSURE
ACTUAL TORQUE MAY VARY BY UP 10% DUE MANUFACTURING TOLERANCES

RELEASE PRESSURE: 110 PSI INITIAL, 140 PSI FULL

MAXIMUM OPERATING PRESSURE: 3,000 PSI

MAXIMUM SPEED: 1,400 RPM.

LINING MATERIAL: NON-METALLIC

APPROXIMATE WEIGHT: 44 LB

MAXIMUM OPERATING TEMPERATURE: 270° F

COOLING OIL RECOMMENDATIONS

OIL TYPE: DEXRON 3 AUTOMATIC TRANSMISSION FLUID
FLOW THRU CAPACITY: 1.0 - 7.0 GPM
MAXIMUM CASE PRESSURE: 30 PSI
SUMP OIL VOLUME: 6 FL. OZ.
BRAKE IS DESIGNED FOR HORIZONTAL USE ONLY

CAUTION:
OILS CONTAINING SLIPPERY OR ANTI-WEAR ADDITIVES, SUCH AS GRAPHITE OR MOLYBDENUM DISULFIDE, OR EXTREME PRESS. (E.P) TYPE LUBRICANTS SHOULD NOT BE USED AS COOLING OIL. THESE LUBRICANTS MAY ALLOW THE BRAKE TO SLIP AT TORQUE LEVELS BELOW THE RATED VALUES.

NOTE:
BRAKE MOUNTS TO MOTOR USING M12 SOCKET HEAD CAP SCREWS

MICO® a WABCO company

SCALE: 0.500
TITLE: WINCH BRAKE
DWN MG 2017-10-13
APVD PROD ENGRG ML 2018-09-14
SIZE B
DRAWING NUMBER 13-602-038
REV C
X NO 08-2094
APVD ENGRG CL 2018-08-04
CUSTOMER COPY

01-MAR-2016