5.30
[134.5]

2.43
[61.8]

.92
[23.4]

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

1.00
[25.4]

.100
[2.54]

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

.131±.005 X 45°
[3.33±.12]

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

4X Ø.565 +.007 -.008 [14.34 +.17 -.20] ⌁ THRU
⌴ Ø.750±.005 [19.05±.12]
⤓ .500 [12.70]
(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

2X 3.69±.01
[93.8±.2]

2X 2.254±.005
[57.25±.12]

2X 4.508±.010
[114.50±.25]

2X 3.62±.01
[91.9±.2]

R.030 MAX
[.76]

Ø5.002±.001
[127.05±.02]

Ø4.498±.001
[114.25±.02]

Ø7.77
[197.3]
CAST

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

2X .90±.01
[22.9±.2]

2X 1.670±.015
[42.42±.38]

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

2.937±.005
[74.60±.12]
(TYP.)

5.875±.010
[149.22±.25]
(TYP.)

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)

INCH
[MILLIMETER]

NOTES:

1. USE MINERAL BASE HYDRAULIC OIL ONLY FOR BRAKE RELEASE.
2. DIMENSIONS WITHOUT TOLERACES 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:	2,000 LBIN STATIC (BREAKAWAY) AT 0 PSI BACK PRESSURE ACTUAL TORQUE MAY VARY BY UP TO 10% DUE TO MANUFACTURING TOLERANCES.
RELEASE PRESSURE:	95 PSI INITIAL, 110 PSI FULL
MAXIMUM OPERATING PRESSURE:	3,000 PSI
MAXIMUM SPEED:	1,400 RPM.
LINING MATERIAL:	NON METALLIC
APPROXIMATE WEIGHT:	43 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®
North Mankato, Minnesota USA

SCALE 0.500	TITLE			WINCH BRAKE	
DWN SHYPO 2016-02-12	APVD PROD ENGRG PJS 2016-02-26	SIZE	DRAWING NUMBER		REV
X NO	APVD ENGRG RV 2016-02-15	B	13-602-026 CUSTOMER COPY	2 3	H

01-JAN-2012