



- THIS DRAWING IS MEANT TO PROVIDE CUSTOMER MOUNTING DATA ONLY. ALL DIMENSIONS ARE REFERENCE UNLESS OTHERWISE NOTED.
 - THE TORQUE INFORMATION CONTAINED IN THIS DOCUMENT IS FOR REFERENCE ONLY. IT IS RECOMMENDED THAT THIS BRAKE BE TESTED IN THE SPECIFIC APPLICATION TO VERIFY PERFORMANCE.
 - MAXIMUM OPERATING PRESSURES: SPRING APPLIED HYDRAULIC RELEASE PISTON OPERATING PRESSURE NOT TO EXCEED 2200 PSI [152 BAR]. PRESSURE SPIKES AND SURGES NOT TO EXCEED 3000 PSI [207 BAR]. SERVICE PISTON PRESSURE NOT TO EXCEED 1500 PSI [103 BAR].
 - BRAKE IS DESIGNED FOR FLOW THROUGH COOLING. BRAKE PERFORMANCE WILL BE AFFECTED BY OIL TYPE. AUSCO RECOMMENDS THE USE OF AW68 HYDRAULIC OIL IN THE BRAKE CAVITY. BRAKE CAVITY COOLING PRESSURE NOT TO EXCEED 300 PSI [20.7 BAR].
- (5) COOLING / LUBE OIL INLET/OUTLET 1 1/16-12 UN-2B THREAD. 3/4" TUBING O.D. STRAIGHT THREAD O-RING PORT PER SAE J1926.
- (6) BLEEDER AND SERVICE BRAKE INLET 7/16-20 UNF-2B THREAD. 1/4" TUBING O.D STRAIGHT THREAD O-RING PORT PER SAE J1926.
- (7) BLEEDER AND FAILSAFE BRAKE INLET 9/16-18 UNF-2B THREAD. 3/8" TUBING O.D. STRAIGHT THREAD O-RING PORT PER SAE J1926.
- (8) OPTIONAL COOLING / LUBE OIL INLETS 1 1/16-12 UN-2B THREAD. 3/4" TUBING OD STRAIGHT THREAD.

SERVICE TORQUE FORMULAS:

TORQUE [IN-LBS] = (13.14 * LINE PRESSURE [PSI]) - 702.5)

TORQUE [N-m] = (21.72 * LINE PRESSURE [BAR]) - 79.3)

(D1) (D2) (D3)	SPEC W/ SAE "D" PILOT	21,000 [2,372]	255 [17]	18,500 @ 1400 PSI [2,090] @ [97 BAR]	20T 12/24
REDUCER	RATED TORQUE (LB-IN) [N-m]	21,000 [2,372]	255 [17]	18,500 @ 1400 PSI [2,090] @ [97 BAR]	20T 12/24
MOUNTING FLANGE SAE J744	RATED TORQUE (LB-IN) [N-m]	21,000 [2,372]	255 [17]	18,500 @ 1400 PSI [2,090] @ [97 BAR]	20T 12/24
	FAILSAFE			SERVICE	SPLINE DATA

PROJECT 4677	DATE 01-18-13	PART NAME CUSTOMER CONFIGURATION FAILSAFE BRAKE WITH SERVICE
DESIGNER N. CRAWFORD	SCALE 1.000	PART NUMBER CC96569

MJB D3	31576	WAS 16,900 LB-IN	10-21-22	TSZ
MJB D2	31576	WAS 265 PSI	10-21-22	TSZ
MJB D1	31576	WAS 16,560 LB-IN	10-21-22	TSZ
NDC C	29859	ADDED STAMPED SERIAL NUMBER	10-13-17	KMC
NDC B	28104	ADDED DIM 2.42	01-12-15	NLL
LTC A	27364	RELEASE FOR PRODUCTION	01-31-13	NDC
CHKR SYM	ECO	DESCRIPTION	DATE	BY

DO NOT SCALE THIS DRAWING
 PROPRIETARY DATA: NOT TO BE
 DISCLOSED, USED, OR DUPLICATED
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 PURPOSES, EXCEPT AS AUTHORIZED
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