

SPECIFICATIONS

MODEL NUMBER: 244.31S

PRESSURE RATING: 3000psi [207bar]

FORCE RATING: 55kip [250kN]

PISTON AREA: 19.63in² [126.7cm²]

ROD DIAMETER: 3.75 [95.3]

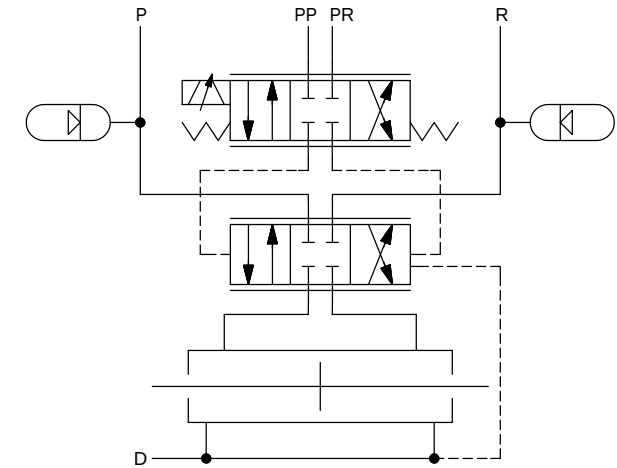
DYNAMIC STROKE: 10.00 [254.0]

STATIC STROKE: 11.00 [279.4]

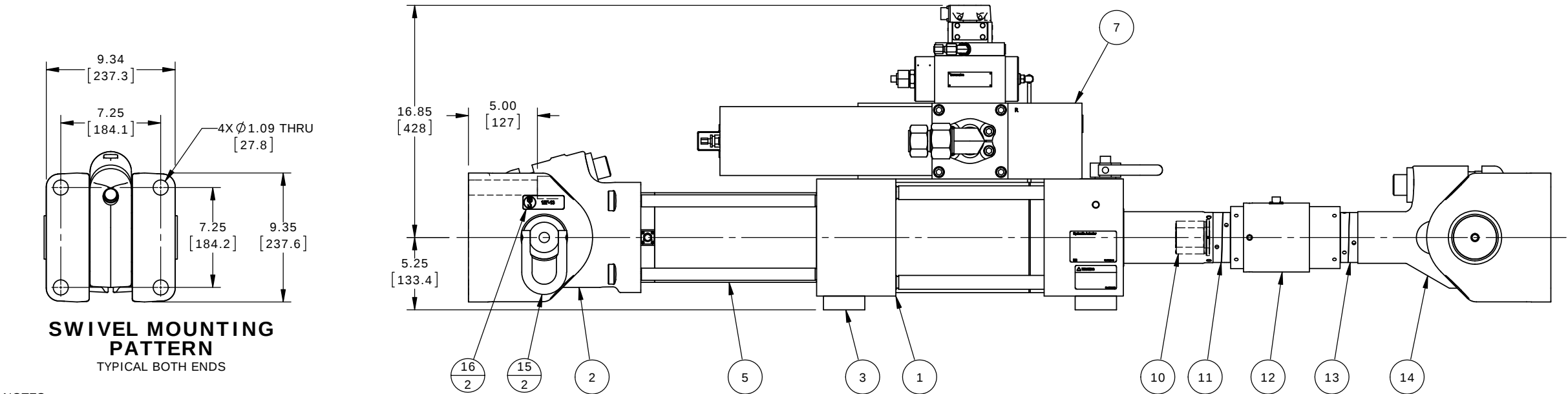
CUSHION LENGTH: 0.50 [12.7] BOTH ENDS

SERVOVALVE FLOW: 90gpm [341L/min]

ESTIMATED WEIGHT: 1000lb [454kg]



HYDRAULIC SCHEMATIC



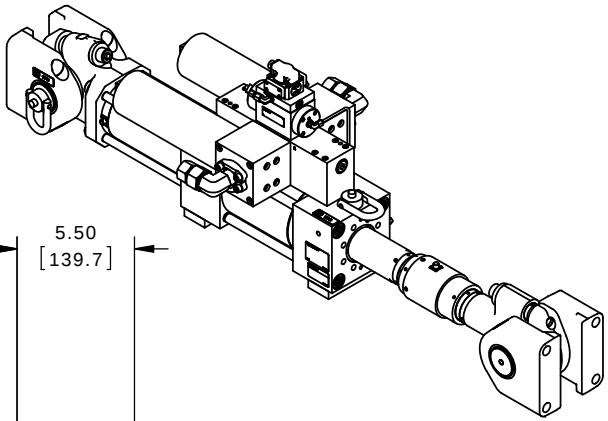
SWIVEL MOUNTING PATTERN

TYPICAL BOTH ENDS

NOTES:

1. REVIEW ALL SUB-ASSEMBLY DOCUMENTS FOR ADDITIONAL INSTRUCTIONS, TORQUE VALUES, AND TEST PROCEDURES
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.
3. UNITS ARE "INCHES [MILLIMETERS]" UNLESS OTHERWISE SPECIFIED.
4. TORQUE ALL FASTENERS PER MTS DOCUMENT 700-005-727 TO VALUES PER MTS DOCUMENT 700-005-602.
5. TORQUE ALL FITTINGS PER MTS DOCUMENT 700-005-727 TO VALUES PER MTS DOCUMENT 700-006-723.

6 > LUBE AND TORQUE 5/16-18 TO 19 LB-FT [26 N-m]



REVISIONS					
DESCRIPTION			LETTER	ECON NO.	
DRAWN	ENGR	DATE			

SOURCE/REF
DRAWING

PROPRIETARY DATA

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UNLESS OTHERWISE SPECIFIED					POSSESSION OF THE RECIPIENT.			
MATERIAL DESCRIPTION SEE BOM			.XXX HOLE SIZE TOLERANCE		DRAWN CDB	CHECK -	ENGR FRM	MFG -
MATERIAL SIZE ----			0.000 TO .750 +.010/- .002	OVER .750 TO 1.500 +.015/- .003	DATE 10-27-14	DATE -	DATE 10-14	DATE -
FINISH ----			GENERAL TOLERANCES ANGLE $\pm 2^\circ$ $X/Y \pm 1/4$ $X \pm 1$ $.XX \pm .03$ $.XXX \pm .010$	TITLE ACT ASSY-244.31, 2502MM, 256.09 RBA CE				
THREAD DEPTHS ARE TO MIN FULL THDS DRILL DEPTHS ARE TO FULL DIA REMOVE BURRS AND SHARP EDGES DO NOT SCALE PRINT SCALE NONE MACHINED SURFACES 180V				NEXT LEVEL ----		SIZE D	NUMBER 100-300-488	REV A
MTS MTS SYSTEMS CORPORATION EDEN PRAIRIE, MINNESOTA U.S.A. • THIRD ANGLE PROJ				PRODUCT CODE 244.31		SHEET 1 OF 1		