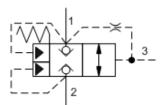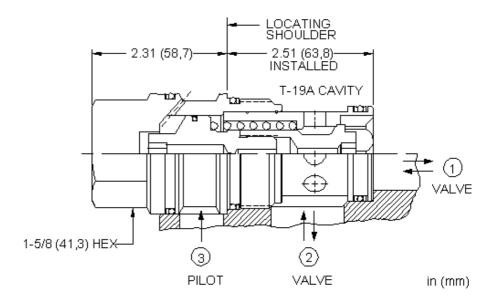# sun hydraulics®

MODEL
LKJA

Block port 3 to open, spring-biased closed, unbalanced poppet logic element with pilot source from port 1
SERIES 4 / CAPACITY: 480 L/min. / CAVITY: T-19A

sunhydraulics.com/model/LKJA

LOCATING SHOULDER

2.31 (58,7)

2.51 (63,8) INSTALLED

T-19A CAVITY

① VALVE

1-5/8 (41,3) HEX

③ PILOT

② VALVE

in (mm)

These unbalanced poppet, logic valves are 2-way switching elements that are spring-biased closed and have port 1 as a pilot source. With port 3 blocked, the valve will open provided there is sufficient pressure at port 1. With port 3 vented, the valve will close. The force generated at port 3 must be greater than the sum of the forces acting at port 1 and port 2 plus the spring force for the valve to open. NOTE: The pilot area (port 3) is 1.8 times the area at port 1 and 2.25 times the area at port 2.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	350 bar
Pilot Volume Displacement	4,9 cc
Area Ratio, A3 to A1	1.8:1
Area Ratio, A3 to A2	2.25:1
Control Orifice Diameter	0,53 mm
Seal kit - Cartridge	Buna: 990019007
Seal kit - Cartridge	Polyurethane: 990019002
Seal kit - Cartridge	Viton: 990019006

CONFIGURATION OPTIONS

Model Code Example: LKJAXDN

CONTROL (X)	MINIMUM PILOT PRESSURE (D)	SEAL MATERIAL (N)
X Not Adjustable	**D** 50 psi (3,5 bar)	**N** Buna-N
		V Viton