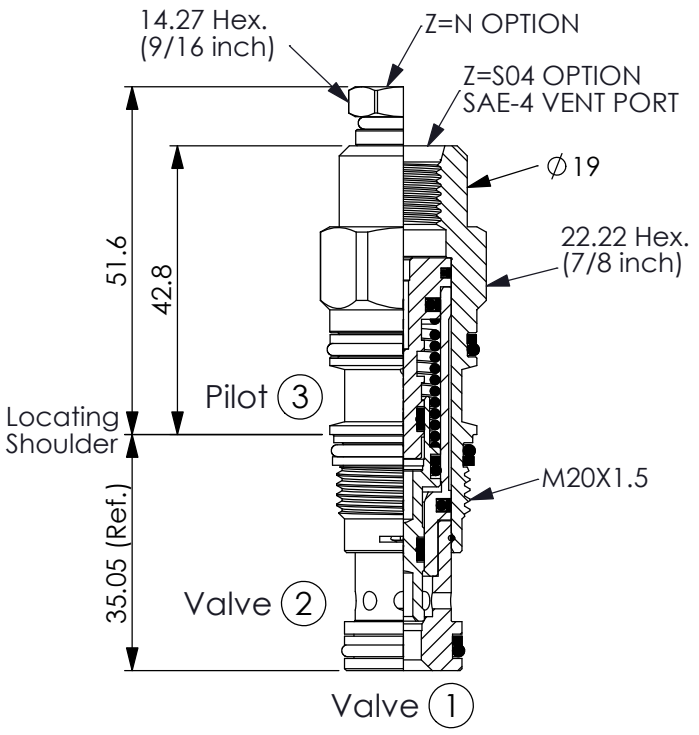
LOGIC ELEMENT VALVE

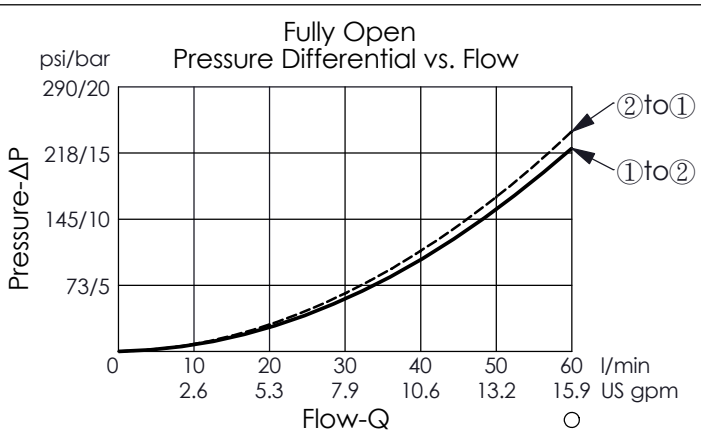
(Pilot-to-open, Normally closed, balanced poppet, logic element)

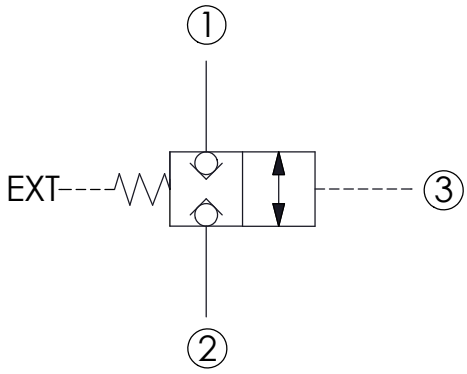
Ordering Code:	**LB-11A-X-Y-Z**



UNIT:mm

Illustrations / detail are for reference only. Data subject to change.





TECHNICAL DATA

Max. Operating pressure:	350	bar
Rated flow:	60	l/min
Cavity-Tooling:	11A-3	
Installation torque:	40 - 50	Nm
Weight:	0.14 (**Z**=N) 0.13 (**Z**=S04)	kg

X	**OPERATION**
3S	Pilot-to-open

- Maximum Leakage Approximately (0.7 cc/min./70 bar)
- All ports will accept 350 bar.
- Approximately 1 drop (0.07 cc) of fluid will pass from the pilot area to the vented spring chamber every 4000 cycles.

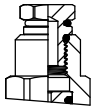
Y	**SPRINGS**
	Recommendation of Minimum Pilot Pressure Required to Shift Valve (Port ③)
28	28 bar

- We suggest that using above 28 bar pilot pressure at Port ③ when Port ① and Port ② are 350 bar. In order to ensure shifting quickly for every kinds of pressure and flow.
- When the pilot pressure at port ③ is higher than 14 bar, the valve will open.
- When the pilot pressure at port ③ is below 10 bar, the valve will close.

10	10 bar

- We suggest that using above 10 bar pilot pressure at Port ③ when Port ① and Port ② are 350 bar. In order to ensure shifting quickly for every kinds of pressure and flow.
- When the pilot pressure at port ③ is higher than 5 bar, the valve will open.
- When the pilot pressure at port ③ is below 4 bar, the valve will close.

- If you have any question about using condition of shifting pressure and circuit, please feel free to consult with our sales dept.

Z	**OPTIONS**
N	Non-adjustable 
S04	External SAE-4 Port (7/16"-20UNF-2B) 