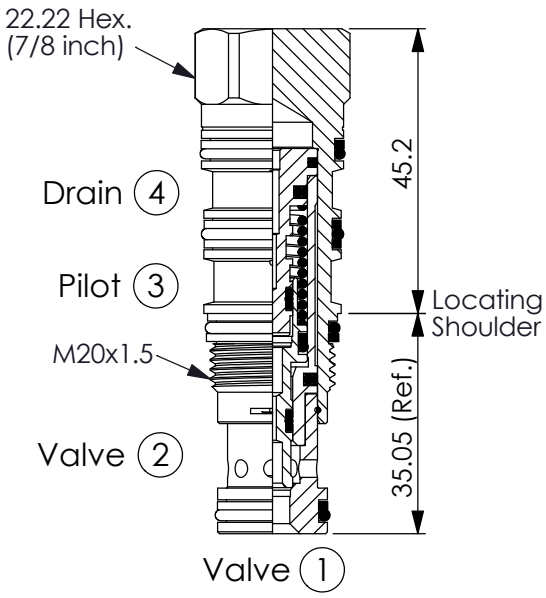
LOGIC ELEMENT VALVE

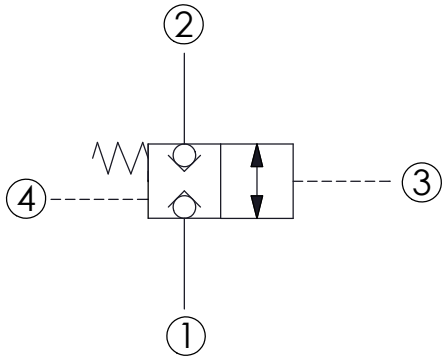
(Pilot-to-open, Normally closed, balanced poppet, logic element)

Ordering Code:	**LB-21A-X-Y-Z**



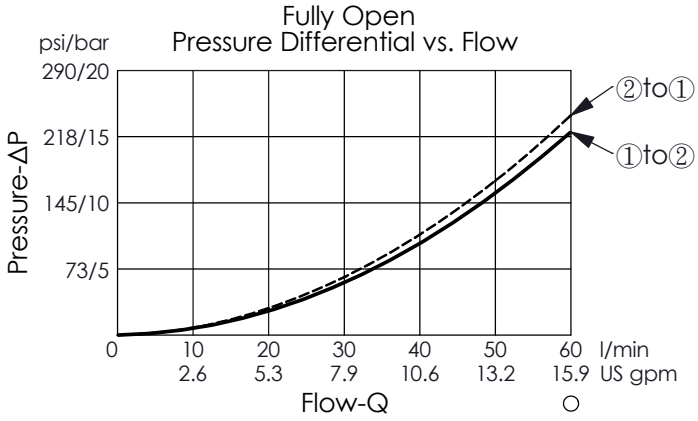
UNIT:mm

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



TECHNICAL DATA

Max. Operating pressure: 350		bar
Rated flow:	60	l/min
Cavity-Tooling:	21A-4	
Installation torque:	40 - 50	Nm
Weight:	0.157 (**Z**=N)	kg



X	**OPERATION**	
4S	Pilot-to-open	

- Maximum Leakage Approximately (0.7 cc/min./350 bar)
- All ports will accept 350 bar.

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 11 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 6 bar, the valve will open.
- When the pilot pressure at port ③ is below 3 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	Shift Pressure Non-adjustable	
NP	Shift Pressure Non-adjustable With stainless steel external metal components (Buna-N Seal)	