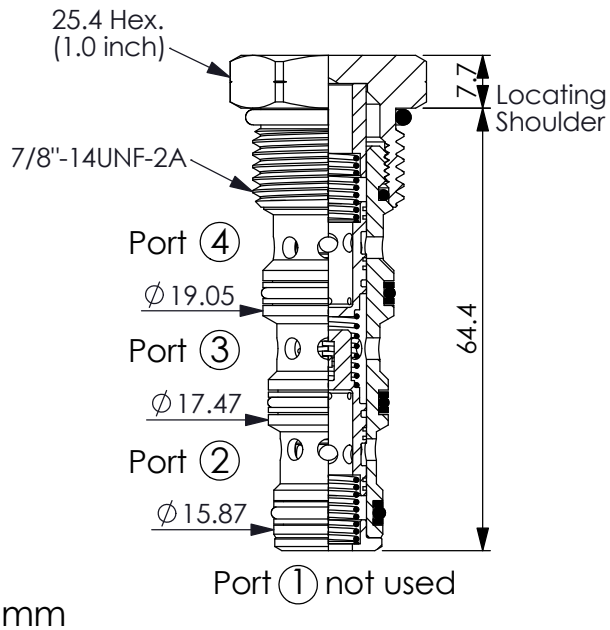
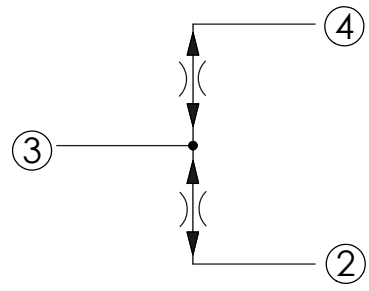
FLOW DIVIDER/COMBINER VALVE

Ordering Code:	**FD-10W-X-Y-Z**



UNIT:mm

(1)The FD10W-40 will divide inlet flow from port ③ to port ② and port ④, based on the ratio specified,regardless of operating pressure.
(2)The valve will combine inlet flow from both port ② and port ④ to port ③.
(3)**If circuit operation result in a blockage of either ② or ④, the opposite port may also close under certain conditions.**



Port ① not used

TECHNICAL DATA

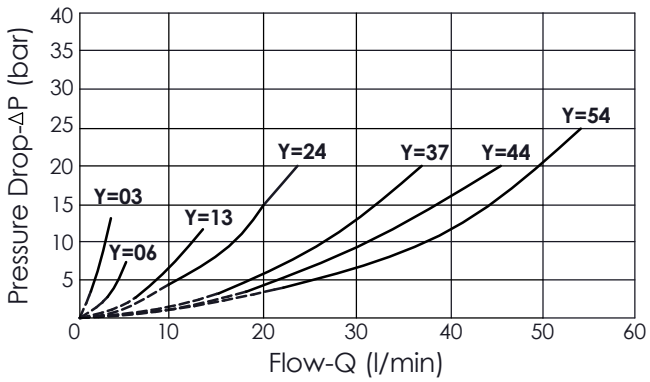
Pressure min-max:	10 - 350	bar
Rated Inlet Flow:	54	l/min
Cavity-Tooling:	10W-4	
Installation torque:	35 - 45	Nm
Weight:	0.11 (**Z**=N,NP)	kg

Flow Accuracy: 10% from 40-100% of Max.Inlet flow

Hydraulic Fluid Viscosity、Cleanliness、Temperature Level:
Please refer WINNER technical information.
(T.101.101.E HYDRAULIC FLUID (A)VISCOSITY)
(T.101.102.E HYDRAULIC FLUID (B)CLEANLINESS)
(T.101.103.E HYDRAULIC FLUID (C)TEMPERATURE)

Mounting Position: unrestricted

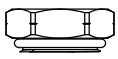
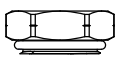
Port ③ Inlet Performance Chart



Y	NOMINAL CAPACITY	
03	1.2 - 3 LPM Ratio 50:50	
06	3 - 6 LPM Ratio 50:50	
13	6 - 13 LPM Ratio 50:50	
24	10 - 24 LPM Ratio 50:50	
37	15 - 37 LPM Ratio 50:50	
44	18 - 44 LPM Ratio 50:50	
54	22 - 54 LPM Ratio 50:50	

· Other ratio options available; consult factory
∗**Note: Please make sure the flow dividing and combining at port ③ are in the flow range. If the flow exceed the maximum range, risk may be able to damage valve, and leads abnormally flow dividing and combining. If the flow is lower than the minimum range, the accuracy will reduce substantially.**

X	OPERATION	
40	4 Ports; Flow Divider/Combiner	

Z	OPTION	
N	Non-adjustable 	
NP	Non-adjustable With stainless steel external metal components (Buna-N Seal)