

NEW! Confirm part is present and contacted even on as-cast surfaces!

Plungers stay retracted during part loading while air flow travels through the work support. Hydraulic pressure advances the plunger exerting only spring force as it makes contact with the part. This closes the integral air valve to indicate part is present and contacted. Hydraulic pressure then automatically sequences, “freezing” the plunger.

- Available in 1800 or 3500 lb. capacity.
- Order with four bolt base or cartridge only.
- Once support is locked, air sensing positively confirms both contact and part present.
- Use Vekttek’s Air Sensing Control Kit 50-8240-00 for easy setup.
- Four bolt base is compatible with in port flow control and in port sequence valves.
- Uses Vekttek’s BHC technology to guard against corrosion.
- O-ring face seal design makes machining cavities easier.



Standard SAE porting and alternate o-ring manifold face seal is located in the base of the support for bolt down installation. The base can be removed for direct cartridge mounting.

Specifications

Model No.	Support Capacity (lb.)*	Mounting Style***	Contact Force (lb.)	Stroke (in.)	Base Dimensions (in.)	Retracted Height (in.)	Oil Capacity (cu. in.)**	Port X Depth for optional In-Port Valves****
Fluid Advance Work Supports, hydraulic pressure pushes a spring which lifts plunger, hydraulic pressure locks in place.								
10-0706-10-PS	1800	Cartridge	1-6	0.25	N/A	2.28	0.06	N/A
10-0806-20-PS	1800	SAE/Manifold	1-6	0.25	1.19 X 1.31 X 1.31	2.93	0.08	SAE 4 X 0.58
10-0708-10-PS	3500	Cartridge	3-10	0.25	N/A	3.04	0.12	N/A
10-0808-20-PS	3500	SAE/Manifold	3-10	0.25	1.50 X 1.63 X 1.63	3.69	0.15	SAE 4 X 0.58

* Support capacities are listed at 5,000 psi maximum pressure. Support capacities for other pressures are shown in the fluid advance High Capacity and Part Present Sensing load capacity chart.
 ** Restrict flow rate to a maximum of 130 cu. in./minute.
 *** For cartridge mount models, see cavity dimensions drawings in this catalog section.
 **** In-Port valves require the use of manifold mount ports.

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NOTE: The maximum system back-pressure a fluid advance work support can overcome is 10 psi. Returning back-pressure greater than 10 psi may cause slow or failed retraction.