

Spring Adv. Work Supports-4,000 lb. Cap.



Spring Advance Work Supports - 4,000 lb. Capacity



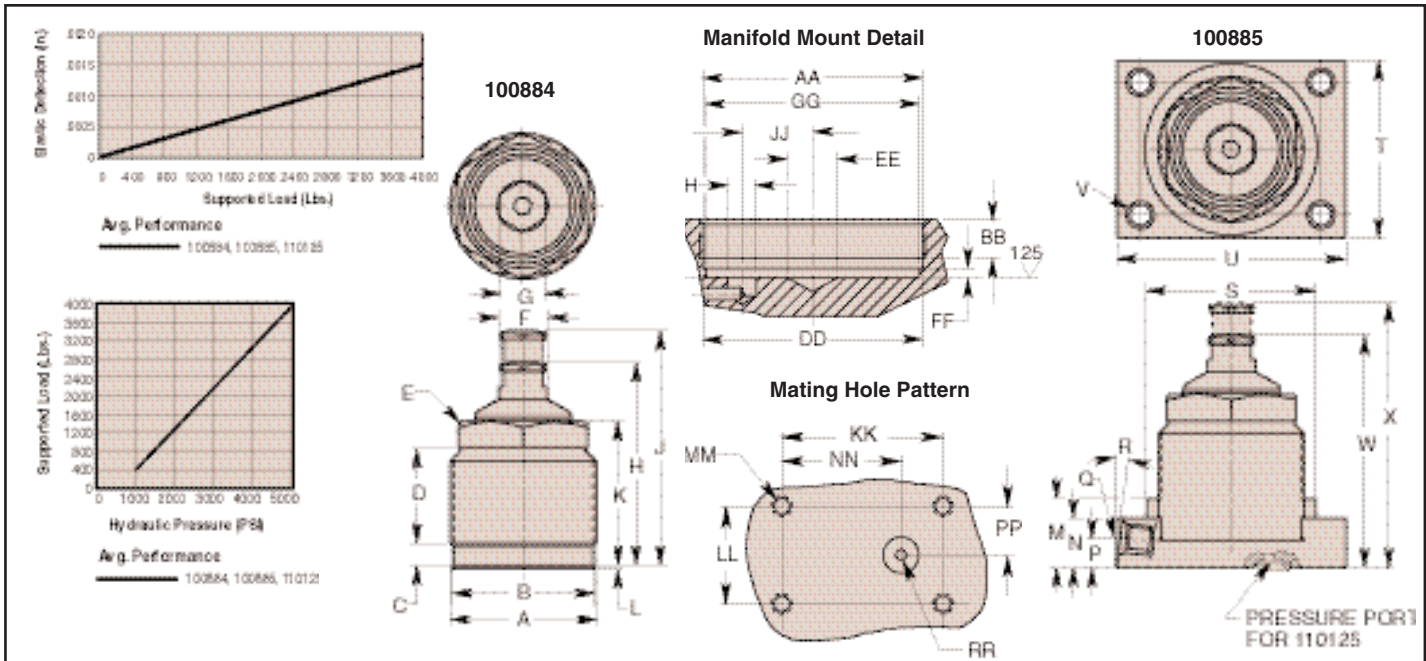
Hytec's spring advance work supports have a spring loaded plunger which contacts the workpiece as it is loaded into the fixture. The spring keeps the plunger in contact with the workpiece, allowing for variations between workpieces. To support any externally applied loads, the sleeve surrounding the plunger grips the plunger and holds it in place.

The 100884's threaded body may be compactly manifold mounted in your fixture or choose the 100885 which includes the 100884 work support and a mounting base for installation on a flat surface for conventionally plumbed circuits. Both feature fully corrosion resistant construction. Extremely close manufacturing tolerances hold the plunger perpendicular to the workpiece and

eliminate inaccuracies due to plunger movement during lock-up. After lock-up, the plunger is absolutely rigid and limits elastic deflection to .00004" per 100 lbs. of load. For base only, order number 500028 for conventional mounting, and 421728 for manifold mounting.

Features:

- 4,000 lbs. capacity @ 5,000 psi max.
- Fully corrosion resistant construction
- Manifold mount or conventional base mounting
- Small filtered breather/rest button to accommodate intricate workpieces
- 1,000 psi minimum recommended pressure



Cat. No.	Specifications			Mounting Configuration	Dimensions (In Inches)								Operating Range			
	*Cap. (Lbs.)	Oil Cap. (Cu. In.)	Advance System		A	†B Seal Dia.	C	D	E Hex	F Dia.	G Hex	H	J	K		
	100884				Spring	Cartridge Manifold	2 1/4-16 UN	2.140	.250	1.625	2.000	.735	.688	3.265	3.765	2.312
100885	4,000	.02	Base Conventional	—		—		—	—	—				—	—	—
110125			Base Manifold													

Cat. No.	Dimensions (In Inches)										Operating Range	
	L Seal	M	N	P	Q Pressure Port Thd. Size	R Port Angle	††S Dia.	T	U	V Dia.	W Retracted	X Advanced
100884	.040	—	—	—	—	—	—	—	—	—	—	—
100885	—	.945	.735	.420	1/16-20 UNF SAE-4	5°	2.688	2.750	3.562	.281	3.680	4.180
110125	—	—	—	—	—	—	—	—	—	—	—	—

SPRING ADVANCE WORK SUPPORT		
Cat. No.	Approximate Forces Required To Depress Plunger (Lbs.)	
	Fully Extended	Fully Depressed
100884	4	8
100885		

Cat. No.	Mounting Dimensions (In Inches)														
	AA Thd. Size	BB Min. Thd.	CC	DD Dia.	EE Drill Point Max.	FF	GG Dia.	HH Dia.	JJ Max.	KK	LL	MM Thd. Size	NN	PP	RR Pressure Port Dia. Max.
100884	2 1/4-16 UN	.380	.560 .580	2.182 2.196	.500	.080 .100	2.145 2.155	.121 .293	.700	—	—	—	—	—	—
100885	—	—	—	—	—	—	—	—	—	2.843	2.063	1/4-20 UNC	—	—	—
110125	—	—	—	—	—	—	—	—	—	—	—	1/4-20 UNC	2.122	1.032	†††.126

NOTE: * Based on 5,000 psi max. operating pressure
 For optional jam nut see page 60
 For additional flow control valves see pgs. 105 & 123.
 For optional accessories see page 73.

† Seal included.
 †† 2.768 dia. min. clearance required.

††† Surface finish to be 63. Finish of 125 acceptable with concentric tool marks only. Finish area to be .438 dia. min. centered on .126 dia. port hole. See operating instructions for additional port details.