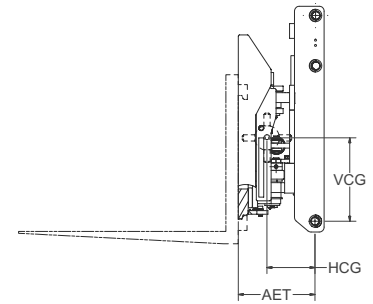
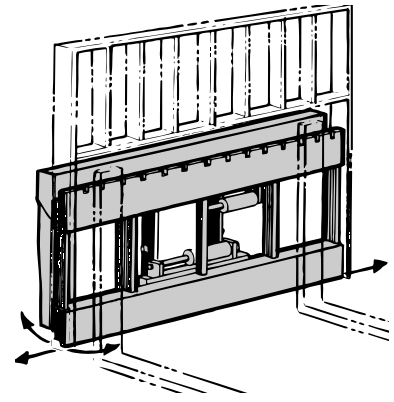


Pivot/Align Integral Carriages

- ▶ Swings the forks 12° to the side for placing loads in tight places
- ▶ Popular, durable top linear bearing and hardened steel heel rollers
- ▶ Wide range of widths and capacities available
- ▶ Also available with fork positioning

Hook Type, Sideshifting, 2 Functions

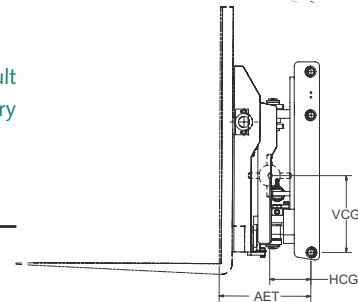
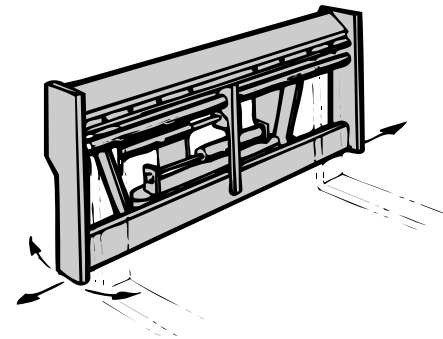
Model Number	Capacity @ 24" (lb)	Fork Bar Class	Fork Spread ITO (in)	Total Shift (in)	Total Swing (°)	List Price ¹
TPSA055A38	5,500	II	0-38	8	12	
TPSA055A42	5,500	II	0-42	8	12	
TPSA055A46	5,500	II	0-46	8	12	
TPSA055A50	5,500	II	0-50	8	12	
TPSA100B44	10,000	III	0-44	8	12	
TPSA100B50	10,000	III	0-50	8	12	
TPSA100B56	10,000	III	0-56	8	12	
TPSA100B62	10,000	III	0-62	8	12	
TPSA155C48	15,500	IV	0-48	12	12	
TPSA155C60	15,500	IV	0-60	12	12	Consult Factory
TPSA155C72	15,500	IV	0-72	12	12	Consult Factory
TPSA155C84	15,500	IV	0-84	12	12	
TPSA177C48	17,700	IV	0-48	12	12	
TPSA177C60	17,700	IV	0-60	12	12	
TPSA177C72	17,700	IV	0-72	12	12	
TPSA177C84	17,700	IV	0-84	12	12	
TPSA250D60	25,000	V	0-60	12	12	
TPSA250D72	25,000	V	0-72	12	12	
TPSA250D84	25,000	V	0-84	12	12	
TPSA250D96	25,000	V	0-96	12	12	



Consult Factory

Pin Type, Sideshifting, 2 Functions

Model Number	Capacity @ 24" (lb)	Fork Bar Class	Fork Spread ITO (in)	Total Shift (in)	Total Swing (°)	List Price ¹
TPSA100P60	10,000	62	2-60	10	12	
TPSA155P72	15,500	74	2-72	12	12	
TPSA180P80	18,000	82	2-80	12	12	
TPSA225P80	22,500	82	2-80	12	12	Consult Factory
TPSA250P80	25,000	82	2-80	12	12	Consult Factory
TPSA300P80	30,000	82	3-80	12	12	
TPSA360P80	36,000	82	3-80	12	12	



Consult Factory

¹ Prices do not include carriage rollers, forks or load backrest.

Important Notes

- Swingshift and sideshift cylinders are unhosed. Installation will require hosing to cylinder ports located near center of unit. Other hosing options available.
- Carriage bars vertically spaced at 38.5". Requires special hook type forks, ITA type profile with spacing at 38.5".
- Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.

Recommended Hydraulic Supply

Model Number	Recommended Flow (gpm)	Recommended psi
All Models	8-10	2,000-2,500

Hydraulic flow less than minimum may reduce operating speed. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.