

## Span Lifting Jacks - Threaded Ram with Safety Lock Nut, Single Acting, Spherical Saddle with Gland Nut / Ram Stopper (Type - Spring Return)

Capacity 200 – 500 ton | Stroke 40 - 100 mm | Max Working Pressure 700 bar

### Features / Application

- Ideally suited where space is limited
- Spherical Saddle reduces damage to jack against off-center load
- Lifting application requiring sustained load holding in infrastructure projects & heavy fabrication
- Ensure no gap between jack & load to be lifted to utilize full stroke



PCSTS Series - P: Planet C: Customised, S: Single acting Spring return, T: Threaded ram, S: Spherical saddle (Tilting angle 5° Max), 200 Capacity - ton, 50 Stroke-mm

Rated Capacity (ton)	Capacity @ 700 bar (kN)	Stroke (mm)	Model	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	"A" Closed height (mm)	"B" Cylinder OD (mm)	"C" Bore dia. (mm)	"D" Ram dia. (mm)	"E" Saddle dia. (mm)	Wt. (Approx) (kg)
200	2199	50	PCSTS 200-50	314.2	1571	220	255	200	160	150	78
250	2661	45	PCSTS 250-45	380.1	1711	220	280	220	180	165	98
250	2661	75	PCSTS 250-75	380.1	2851	250	280	220	180	165	109
250	2661	100	PCSTS 250-100	380.1	3801	275	280	220	180	165	118
300	3167	100	PCSTS 300-100	452.4	4524	290	310	240	200	180	162
400	4242	40	PCSTS 400-40	706.9	2827	235	400	300	250	230	220
500	4948	50	PCSTS 500-50	706.9	3534	320	400	300	250	230	310

# PLTVL

## Pancake Jacks - Threaded Ram with Safety Lock Nut, Single Acting, Spherical Saddle Without Gland Nut / Ram Stopper (Type- Load Return)

Capacity 50 – 1200 ton | Stroke 45 - 50 mm | Max Working Pressure 700 bar

PLTVL Series - P: Planet, L: Single acting Load return, T: Threaded ram, VL: Very Low height, 50 Capacity - ton, 50 Stroke-mm

Rated capacity (ton)	Capacity @ 700 bar (kN)	Stroke (mm)	Model	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	"A" Closed height (mm)	"B" Cylinder OD (mm)	"C" Bore dia. (mm)	"D" Ram dia. (mm)	"E" Saddle dia. (mm)	Saddle max. tilt angle	Wt. (Approx) (kg)
50	550	50	PLTVL 50-50	78.5	393	125	140	100	100	90	5°	15
100	1077	50	PLTVL 100-50	153.9	770	140	180	140	140	125	5°	28.5
150	1589	45	PLTVL 150-45	227.0	1022	150	220	170	170	160	5°	44
200	2199	45	PLTVL 200-45	314.2	1414	155	255	200	200	180	5°	61
250	2661	45	PLTVL 250-45	380.1	1710	160	280	220	220	200	5°	76
300	3167	45	PLTVL 300-45	452.4	2036	170	310	240	240	220	4°	99
400	4008	45	PLTVL 400-45	572.6	2577	180	350	270	270	250	4°	130
500	4948	45	PLTVL 500-45	706.9	3181	195	400	300	300	290	3°	185
800	7939	45	PLTVL 800-45	1134.1	5104	245	505	380	380	340	3°	369
1000	9930	45	PLTVL 1000-45	1418.6	6384	260	560	425	425	380	3°	477
1200	12405	45	PLTVL 1200-45	1772.1	7974	280	600	475	475	400	3°	597

- Higher capacity and customised solutions on request | • Specifications are subject to change due to continual improvement
- Capacity and stroke Specified are maximum safe limits. As safe practice, use at 80% of rating

## Span Lifting Jacks - Plain Ram, Single Acting, Spherical Saddle (Type - Load Return)

Capacity 250 – 1000 ton | Stroke 45 mm | Max Working Pressure 700 bar

### Features / Application

- Ideally suited in low clearance & confined area
- Spherical Saddle reduces damage to jack against off-center load
- Precision lifting, alignment of machinery, heavy structures & girders

### Caution

- Don't over stroke, NO GLAND NUT / RAM STOPPER
- Position Jack on flat base - use base plate
- Provide support block for structure after lifting
- Ensure no gap between jack & load to be lifted, to utilize full stroke



PLPVLS Series - P: Planet, S: Single acting Load return, P: Plain ram, VL: Very Low height S: Spherical saddle (Tilting angle 5° Max), 250 Capacity - ton, 45 Stroke - mm

Rated capacity (ton)	Capacity @ 700 bar (kN)	Stroke (mm)	Model	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	"A" Closed height (mm)	"B" Cylinder OD (mm)	"C" Bore dia. (mm)	"D" Ram dia. (mm)	"E" Saddle dia. (mm)	Wt. (Approx) (kg)
250	2661	45	PLPVLS 250-45	380.1	1711	140	280	220	220	200	65
400	4008	45	PLPVLS 400-45	572.6	2576	160	350	270	270	250	112
500	4948	45	PLPVLS 500-45	706.9	3181	170	400	300	300	290	158
800	7939	45	PLPVLS 800-45	1134.1	5104	190	505	380	380	340	275
1000	9930	45	PLPVLS 1000-45	1418.6	6384	220	560	425	425	380	392

- Higher capacity and customised solutions on request
- Specifications are subject to change due to continual improvement
- Capacity and stroke Specified are maximum safe limits. As safe practice, use at 80% of rating