

JACKS

BETEX CJ series, with integrated pump + cylinders, with low build-in height



Spring-loaded

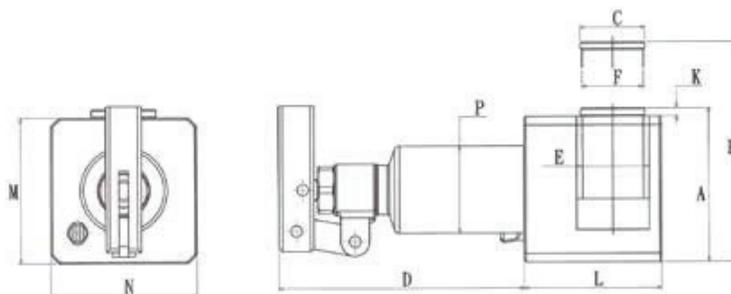
Available in 10 or 20 ton

Stroke : 41 mm

Max. operating pressure : 700 bar

Model: CJ series

- Hard chromed piston.
- Ram inside roll-polished.
- Perfect for jobs with limited space, like positioning machines, mounting tools or load tests.



CJ series

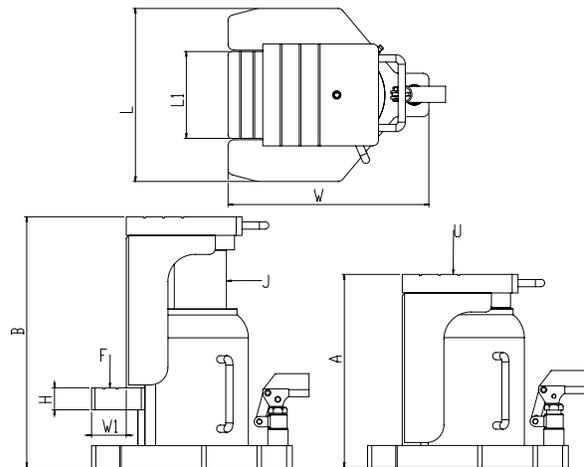
Type	Art. no.	Cap. ton	Stroke mm	Oil cap cm ³	A Height		C ø mm	D mm	E ø mm	F ø mm	H mm	K mm	L mm	M mm	N mm	P ø mm	Weight Kg	
					Min.	Max.												
CJ 100	7270100	10	41	155	95	136	40	152.5	45	37.95	407.5	4.9	85	90	90	53.8	-	5.5
CJ 200	7270200	20	41	250	95	136	40	152.5	65	50.8	407.5	4.9	110	90	110	69.5	-	8

TOE JACKS

BETEX TOE series, toe jacks



- Heat-treated and chrome-plated hydraulic rod provides longer seal life and optimum performance.
- Internal safety valve prevents toe jack being used beyond its rated capacity.
- Leakages are prevented by welding the housing onto the forged base.
- Low toe heights for tight spaces.
- Swivel sockets for easy operation.
- Toe jacks can be operated quickly by hand.
- Removable handle makes unit easier to operate.



Toe jacks

Type	Art. no.	Top cap. U (tons)	Top-lift cap. F (tons)	Stroke mm	Min. height A mm	Max. height B mm	Piston rod diam. J mm	Base dimensions LxW mm	Height H mm	Top-lift L1xW1 mm	Weight kg
TOE-025	731025	2.5	1.2	100	194	294	19	140x190	19	65x50	6.5
TOE-040	731040	4	2	110	204	314	25	150x200	19	65x50	8
TOE-060	731060	6	3	110	212	322	36	160x217	19	65x50	10
TOE-100	731100	10	5	130	258	388	40	189x242	22	75x55	11.9
TOE-160	731160	16	8	131	275	406	52	211x256	25	90x55	23
TOE-200	731200	20	10	140	303	443	56	228x274	25	100x60	31
TOE-300	731300	30	15	147	322	469	70	259x305	32	110x60	47.3
TOE-500	731500	50	25	148	333	481	90	299x347	38	150x60	77.5

PORTABLE POWER KITS

BETEX PPK series, Portable Power Kits



Set PPK 4
incl. 4 tons cylinder, 100 mm stroke in handy carrying case

Set PPK 10
incl. 10 tons cylinder, 150 mm stroke in handy carrying case on wheels

TIP! Use in combination with Betex shims, page 140-142

- 'Snap-on' design for quick and easy assembly and disassembly.
- Extra thick extension rods designed for strength prevent bending.
- Single acting pump, 700 bar with safety valve to prevent overloading.
- Flexible hydraulic hose, 1,8 mtr with spring guards at both ends.
- Versatile through many different accessories!
- All parts are made of forged steel.

Type: PPK 4 Art.no.: 7560804	Description 4 t	Type: PPK 10 Art.no.: 7560810	Description 10 t
PA351	heavy duty hydraulic hand pump	PA603	heavy duty hydraulic hand pump
HS236	HD slang, 1.8 mtr	HS236	HD slang, 1.8 mtr
PA404	4-tons cylinder with 101,6 mm stroke	PA106A	10-tons cylinder with 152,4 mm stroke
SR05A	spreader 0,5 ton	SR05A	spreader 0,5 ton
B0523	extension rod 406.4 mm	B0519	extension rod 482.6 mm
B0524	extension rod 304.8 mm	B0520	extension rod 355.6 mm
B0525	extension rod 203.2 mm	B0521	extension rod 254 mm
B0526	extension rod 101.6 mm	B0522	extension rod 127 mm
B0467	male connector	B0406	male connector
F0180	flat base	F0174	flat base
F0181	90 degree V base	F0175	90 degree V base
F0182	spreader	F0176	spreader
F0183	plunjer toe	F0177	plunjer toe
F0184	ram toe	F0178	ram toe
B0540	rubber flexible head	B0541	rubber flexible head
F0179	serrated saddle	F0173	serrated saddle
G0026	transport case	G0021	transport case on wheels

HYDRAULIC SPREADERS / LIFTING WEDGES

BETEX 15 TL / 15 TLS / 25 TLS HYDRAULIC SPREADERS / LIFTING WEDGES



15 TL spreader



25 TLS lifting wedge / spreader



15 TLS lifting wedge / spreader

These patented Special Tools are easy to use and designed to spread or lift loads such as motors, gearboxes and flanges with ease and superior accuracy.

- Loads are lifted perpendicularly.
- Ideal for numerous industrial maintenance repair jobs
- Accurate height adjustments (shaft alignment) can easily be executed by one person
- Easy, light and very practical to use
- Suitable for spaces of 5 to 43 mm.
- Due to the reduced thickness of the jaws, made of high quality hardened steel, these wedges can be used for jobs where working space is extremely limited
- Including safety block to secure the load and remove the lifting wedge/spreader



Sets

Various combination sets are available in a carrying case. All sets are pre-mounted, you can get started right away!

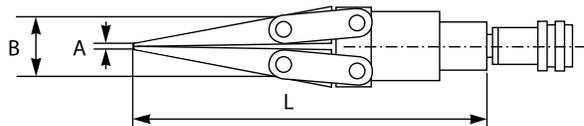
- Hydraulic spreaders or lifting wedge
- Lightweight, 2-stage hand pump
- Hose, 1.5 mtr
- Stepped safety block
- Manometer, T-adaptor
- Male (hose) half coupler, complete quick coupler
- Steel storage case



Duo-sets

For more working accuracy, we supply duo-sets with two flange spreaders and a pump with manifold for separate oil flow.

- The lifting and spreading capacity is doubled
- The lifting force is divided evenly and more accurately, thus preventing loads to be pressed askew or lop-sided burdening
- Safe: Perfect straight lifting movement prevents the load from tilting



TIP! Use in combination with Betex shims, page 140 -142

Type	Art. no.	Function	Max. cap ton	Pump type	Max. pressure bar	A mm	B mm	L mm	Weight Kg
15 TL	789170	spreading	15	single-acting	700	5	40	235	4
15 TL SET	789180	spreading	15	single-acting	700	5	40	235	16
15 TL duo-set	789181	spreading	2 x 15	single-acting	700	5	40	235	28
15 TLS	789150	lifting & spreading	15	single-acting	700	5	40	235	4
15 TLS set	789160	lifting & spreading	15	single-acting	700	5	40	235	16
15 TLS duo-set	789162	lifting & spreading	2 x 15	single-acting	700	5	40	235	28
25 TLS	789250	lifting & spreading	25	single-acting	700	8	43	342	8
25 TLS set	789260	lifting & spreading	25	single-acting	700	8	43	342	20
25 TLS duo-set	789261	lifting & spreading	2 x 25	single-acting	700	8	43	342	36

HYDRAULIC LIFTING WEDGE

BETEX HLW 18T HYDRAULIC VERTICAL LIFTING WEDGE - 18 TON

Specially designed to raise or lower heavy loads in one fluent, straight, vertical movement. The HLW series guarantees a safe and solid grip. For use on flanges with a minimum opening of 9.5 mm.

- Lifting heavy loads, placing and moving machines, and machine alignment.
- Maintenance, mounting and dismantling activities.
- Steady lift movement, fluent, straight, vertical lifting.
- Robust and exact, solid fixed grip at every stage by using the stepped blocks.
- Safe, saves time and costs, ergonomic design.
- Single-acting piston, spring return.
- Applicable at minimum openings of 9.5 mm.
- Lifting capacity: per step 19 mm lifting height.
- Maximum lift when using a multi-stage block of 67.5 mm.
- Lifting power: max. 36 tons (using 2 pcs. HLW 18T(l) or duo-set).
- With safety block to secure the load and remove the lifting wedge



Sets

Various combination sets available in carrying case. All sets are pre-mounted, you can get started right away!

- Hydraulic lifting wedge
- 2-stage hand pump
- Hose 2.1 mtr
- Stepped safety block + multi-stage block
- Manometer, T-adapter
- Male (hose) half coupler, complete quick coupler
- PE case



Duo-sets

For more working accuracy, we supply duo-sets with two lifting wedges and a pump with manifold for separate oil flow:

- The lifting capacity is doubled
- The lifting force is divided evenly and more accurately, thus preventing loads to be pressed askew or lopsided burdening
- Safe: Perfect straight lifting movement prevents the load from tilting

HLW 18TI hydraulic lifting wedge with integrated pump

Type HLW 18TI has a built-in hydraulic system for which a separate hose, coupler and hand pump are not necessary. The spreader is supplied in a case. Not available as duo-set.

Lifting height:

- 9.5 mm – 29.5 mm by using the first step
- 9.5 mm – 51 mm by using 4 steps (without multi-stage blocks)
- 39.5 – 67.5 mm (using multi-stage blocks)

BETEX HLW 18T

Type	Art. no.	max. cap.: ton	Spread mm	Pump type	Max. pressure bar	Weight Kg
HLW 18T	789501	18	9.5 – 67.5*	single-acting	700	10.8
HLW 18T set (complete in case)	789502	18	9.5 – 67.5*	single-acting	700	24.6
HLW 18T duo-set (complete in case)	789503	2 x 18	9.5 – 67.5*	single-acting	700	37
HLW 18TI with integrated pump (complete in case)	789504	18	9.5 – 67.5*	single-acting	700	16

* using multi-stage block

MECHANICAL FLANGE SPREADER

BETEX MFS 7T MECHANICAL FLANGE SPREADER



For use on small flanges with a minimum opening of 2.0 mm. This flange spreader generates a spreading force of 7 ton.

- Innovative design with reversible claws gives a greater range of applications.
- Ergonomic design, lightweight but robust.
- Minimum access gap of 2.0 mm.



Innovative design with reversible claws

Advantages

Locks onto the flanged joint

- Safe to use
- Easy to operate
- Saves time and costs
- Portable
- In compact PE-case

Capacity

- Use as single piece: 7 ton
- Use in pair (2 pieces): 14 ton (recommended, larger spreading force)
- Flange opening: min. 2.00 mm
- Weight incl. case: 7 kg



BETEX MFS 7T

Type	Art. no.	Spreading force ton	Bolt size	Standard wedge mm	Claw width mm	Weight incl. case Kg
MFS 7T	789400	7	M16 / M20	2 - 27	91 - 152	7

HYDRAULICAL FLANGE SPREADERS

BETEX PFS 10T HYDRAULIC FLANGE SPREADERS



PFS 10T



PFS 10TI with integrated pump

- For safe and easy flange spreading.
- No more use of hammer and chisel, so less strenuous, time saving and most of all safe working.
- Use flange spreaders in sets for an even higher spreading force.
- Adjustable claw widths from 104 mm to 216 mm for a large number of applications.
- Special wedge for lager spread.
- Usable up to a max. flange width of 2 x 92 mm. The flange bolt has a min. diameter of 31.75 mm.
- Including safety block to remove the spreader and carry the load.



Safety block



PFS 10T Set

Sets

Various combination sets available in carrying case. All sets are pre-mounted, you can get started right away!

- Hydraulic flange spreader
- 2-stage hand pump
- Hose 1.5 mtr
- Safety block
- Manometer, T-adapter
- Male (hose) half coupler, complete quick coupler
- Steel storage case



PFS 10T Duo-set

Duo-sets

For more working accuracy, we supply duo-sets with two flange spreaders and a pump with manifold for separate oil flow:

- The spreading capacity is doubled
- Parallel spreading: the spreading force is divided evenly and more accurately

PFS 10TI hydraulic flange spreader with integrated pump

Type PFS 10TI has a built-in hydraulic system for which a separate hose, coupler and hand pump are not necessary. The spreader is supplied in a case. Not available as duo-set.

BETEX PFS 10T

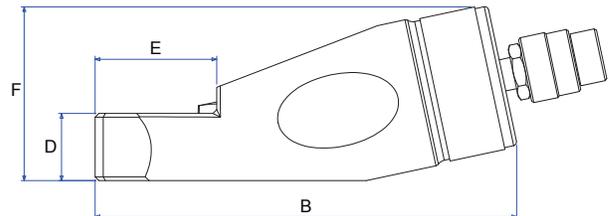
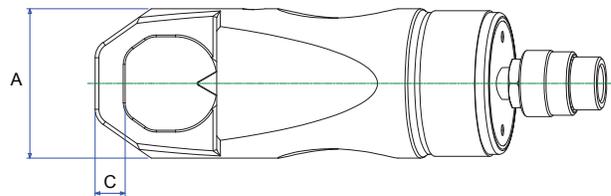
Type	Art. no.	Spreading force ton	Bolt size	Standard wedge	Claw width mm	Pump type	Weight Kg
PFS 10T	789410	10	M33	3.3 - 28.7	104 - 216	single-acting	15
PFS 10T Set (case included)	789411	10	M33	3.3 - 28.7	104 - 216	single-acting	25.2
PFS 10T Duo-set (case included)	789412	2 x 10	M33	3.3 - 28.7	104 - 216	single-acting	46.6
PFS 10TI Integrated pump (case included)	789413	10	M33	3.3 - 28.7	104 - 216	single-acting	17.5

NUT SPLITTERS

BETEX HNS SERIES



- Compact design used in confined space with enough force to split rusted nuts.
- All models feature a rugged one-piece cutting frame coupled to a heavy-duty hydraulic cylinder.
- Specially designed "tool steel" cutter blade cuts the nut to the precise point where it cracks.
- Unique angled head design to keep full contact with the nut being penetrated.
- Unique angled cutter blade with radius to have greater resistance to cutting and breaking nuts.
- 5 popular models applicable to cover the largest range of nut sizes.



TIP! Use in combination with hand pumps, page 93 -95

Type	Art. no.	Bolt size	Bolt range mm	Cap. ton	Oil cap cm ³	A mm	B mm	C mm	D mm	E mm	F mm	Weight Kg
HNS 1924	781924	19 -24	M12-M16	10	20	60	167.2	10	25	40	68	2.1
HNS 2432	782432	24 -32	M16-M22	15	60	70	178	13	30	52	76	3.1
HNS 3241	783241	32 -41	M22-M27	20	80	80	226	15	36	65	93	4.2
HNS 4150	784150	41 -50	M27-M33	35	155	95	244	21	45	76	106	8.0
HNS 5060	785060	50 -60	M33-M39	50	240	106	269	24	55	92	125	11.5