

ZABJ & ZAPJ Series

Capacity: 12 to 35 tons



Model: ZABJ-20C3

Air Hydraulic Bottle Jacks

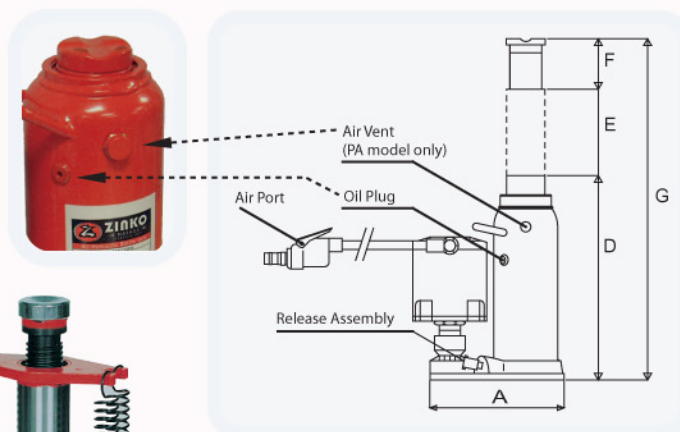
1. Welded steel construction reduces metal fatigue allowing for a longer life.
2. Forged steel base increases resistance to high pressure and increases durability.
3. Oil bypass system prevents the lifting ram from overextending.
4. Safety valve device protects hydraulic system from overload damage.
5. In-line screen attached for convenient air valve prohibits contaminations from entry into the air hydraulic system.
6. The PA model comes with an air vent to bleed air from the jack.



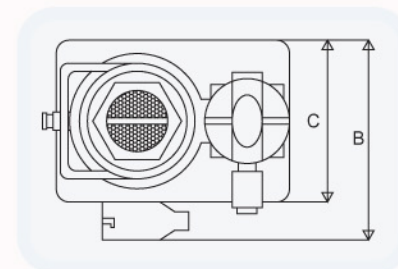
ZABJ-22PA

Air Hydraulic/Manual Bottle Jacks

1. Operates both manually and pneumatically.
2. Fast and efficient air pump saves lifting time; has its own built-in safety valve to prevent overload.
3. Heat treated extension screw and release valve adds extra strength and life span.
4. Extremely strong and well designed swivel head bolt with 360° movement to prevent hose binding.
5. Spring coil protectors on both ends to prevent punctures.
6. Rust preventive coating on ram and extension screw.
7. Convenient push button flap type air operation valve.
8. Durable ductile iron base with 3 piece zinc plated handle.
9. Properly placed welded carrying handle for easy transport.



Model: ZAPJ-22



Air Hydraulic Portable Jacks

1. Ram retracts by self-retracting spring.
2. Forged steel base increases resistance to high pressure and increases durability.
3. Standard attachment wheels with handle and carriage bar enables continuous maneuverability underneath the working area.
4. Extension screw and optional adapters ensure maximum lift in closing the gap to the jacking point.

Model Number	Capacity (Tons)	Lifting Time By Air Supply		Air Press. Range (psi)	Dimensions (in)							Ship Weight (lbs)
		No Load	Load		Base A	Base B	Base C	Min. Ht. D	Lift E	Screw Ext. F	Max Ht. G	
ZAPJ Series												
ZAPJ-22	22	60	210	40 - 140	7 3/4	--	5 1/8	8 1/4	4 5/8	4 1/8	19 3/8	36
ZAPJ-25	25	52	150	40 - 140	7 9/16	--	5 5/8	9	4 5/8	4 1/8	17 3/4	47
ZABJ Series												
ZABJ-12C2	12	40	125	40 - 140	8	6	4 7/8	9 11/16	5 7/8	3 1/8	18 11/16	24
ZABJ-20C3	20	50	153	40 - 140	8 3/4	6 3/4	6	9 11/16	5 7/8	3 1/8	18 11/16	33
ZABJ-12M	12	40	159	40 - 140	6 1/2	--	4	9 1/2	5 1/4	3 1/4	18	24
ZABJ-22M	22	50	195	40 - 140	7 1/4	--	5	10 1/2	6	3	19 1/2	34
ZABJ-22PA	22	50	195	40 - 140	7 1/4	--	5	10 1/2	6	3	19 1/2	34
ZABJ-22MB	22	40	153	40 - 140	7 1/4	--	5	7 1/4	3 1/4	1 3/4	12 1/2	26
ZABJ-35M	35	60	210	40 - 140	7 9/16	--	5 5/8	11	6 1/4	--	17 1/4	48

ZHC & ZDUW Series

Capacity: 1 to 25 tons

Quality Rigging & Machinery Moving Supply

Use the safe dependable toe jacks and speed rollers to safely lift and move a heavy load in a low clearance situation. Super low height (the lowest in the industry) toe jacks, ease operation under the most difficult situations. These are the best choice for lifting heavy machinery and cargo, especially when installing industrial machinery, relocating shipyard equipment, or during bridge and plant construction. Range in capacity. Used these toe jacks with the "industrial strength" speed roller for moving heavy, oversized equipment and cargo safely. All-steel rollers securely support and transport extra heavy loads in a safe, worker-wise manner. They come in sizes to easily handle 1 to 25 tons.



Combo: ZHC-5VP w/ ZAP-40 air pump



Fig.12



Fig.13



Model: ZHC-2V

Model: ZHC-12VP

Model: ZHC-5V

Toe Jacks

1. 360° turn lever socket for operation at any direction. (Fig.12)
2. Low toe height is ideal for use where clearance is tight.
3. Designed for fine adjustments. Ideal for delicate work such as installation of precision machines.
4. Welded steel construction prevents oil leakage and a special heat treatment that reduces metal fatigue.
5. Optional coupler connection port available upon request for 5-25 tons toe jacks, which make these toe jacks ready to be used with any air pump. (Fig.13)

Model Number	Capacity (Tons)	Min. Ht. (in)		Max Ht. (in)		Ram Lift (in)	Toe Area (in)	Base Area (in)	Ship Wt. (lbs)
		Toe	Head	Toe	Head				
ZHC-2V	2	5/8	7 7/8	5 1/16	12 3/8	4 7/16	2 x 2	5 x 7	21
ZHC-5V	5	7/8	9 3/8	5 1/2	14 1/4	4 3/4	2 1/4 x 3	7 1/2 x 10 1/2	53
ZHC-12V	12	1 1/8	12 7/8	6 3/4	18 1/2	5 5/8	2 1/8 x 4	9 1/2 x 11 1/2	84
ZHC-15V	15	1 1/8	13 1/4	6 5/8	18 3/4	5 1/2	2 3/8 x 3 3/8	9 1/2 x 11 1/2	93
ZHC-25V	25	1 1/4	14 3/4	6 3/4	21 1/4	5 1/2	2 3/8 x 4 3/4	12 x 12	165

Speed Rollers

1. Selection of 3 different types of speed rollers.
2. Low-profile type (P series) are lightweight with a low overall height, assuring user safety while transferring heavy loads with a low center of gravity.
3. Standard type rollers contain single and double rows of rollers for straight forward movements.
4. Swing rollers (Bogie type) can turn up to 35°, enabling an easy change of direction while loaded.
5. Urethane rollers made of high-strength elastic are used to reduce the starting force. In addition, they are oil resistant and extremely durable.
6. All models feature a free-turning top plate making it easy to rotate a heavy load.
7. Special heavy-duty aluminum alloy casted versions are available upon request.

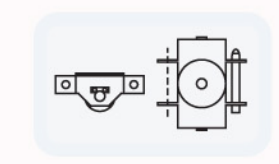
ZDUW-1P (top view)



ZDUW-1P (bottom view)



ZDUB (bottom view)



Model Number	Capacity (Tons)	Overall Height (in)	Overall Width (in)	Overall Length (in)	Table	Roller (Pcs)	Ship Wt. (lbs)
ZDUW-1P	1	2 5/8	7 3/4	10 1/4	6 1/8	4	11
ZDUW-3P	3	3 1/8	8 5/8	10 1/4	6 1/8	4	20
ZDUW-5P	5	4 1/8	8 5/8	12	7	4	32
ZDUW-10P	10	5	12 1/2	14	9	4	72
ZDUW-1.5	1.5	4 1/8	8 1/2	8 1/4	4 1/8	2	18
ZDUW-2.5	2.5	5	12 3/8	9 7/8	6	2	42
ZDUW-2	2	3 1/8	8 1/2	9 7/8	6	4	24
ZDUW-3	3	4 1/8	8 1/2	11 5/8	7 7/8	4	33
ZDUW-5	5	5	12 3/8	14	9 1/2	4	79
ZDSW-10	10	3 1/8	8 1/2	9 7/8	6	4	29
ZDSW-15	15	4 1/8	8 1/2	11 5/8	7 7/8	4	44
ZDSW-20	20	5	12 3/8	14	9 1/2	4	90
ZDUB-2	2	4 1/8	9 7/8	11 7/8	7 7/8	2.2	78
ZDUB-3	3	5	12 1/8	14	9 1/2	2.2	86
ZDUB-5	5	4 1/8	9 7/8	11 7/8	7 7/8	2.2	44
ZDUB-10	10	5	12 1/8	14	9 1/2	2.2	90