

# MECHANICAL JACKS

RJ Series - Ratchet Jacks

**SIMPLEX**



Models: RJ84A, RJ85A, RJ1017 & RJ86A

**Capacity Range** ..... ► **5 - 20 Tons**  
**Stroke Range** ..... ► **7 - 21.25 In.**  
**Maximum Toe Height Range** ..... ► **1.62 - 2.25 In.**

- Multiple-tooth pawls for strength & safety.
- Large base ensures a firm foundation.
- Drop-forged, alloy steel, heat-treated components.
- Plated springs to resist corrosion.
- Double-lever sockets for jacking in close quarters.
- The RJA1538 pole jack is designed for pole pulling applications. Chain and I-Beam are ordered separately.



**THINK SAFETY**

Please refer to pages 4&5 for a complete list of safety tips and recommendations.



**CE COMPLIANT**

Our Jack design specifications meet or exceed ANSI /ASME B30.1 Safety Standards.



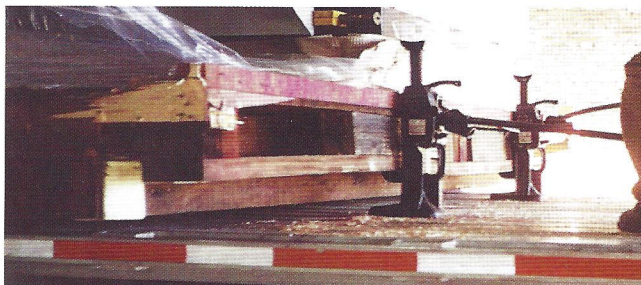
**CARRYING HANDLE**

Carrying handles make the positioning and transporting of the 10, 15 and 20 ton ratchet jacks simple.

mechanical



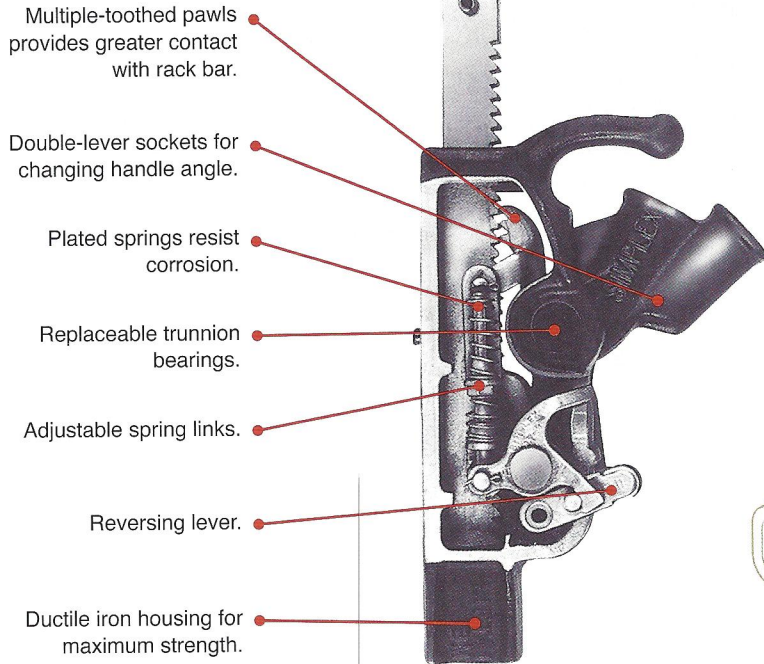
*Its large lifting and holding capacity and heavy-duty housing, makes the RJ Series Jacks universal tools on any jobsite. ▼*



Model	Jack Housing Material	Support Capacity (tons)	Lifting Capacity (tons)	Handle Effort per Ton (lbs)
RJ84A	Steel	5	5	32
RJ85A				32
RJ86A				32
RJ1017		10	10	30
RJ22B				30
RJ24A				32
RJ2029				32
RJA1022	Aluminum	10	10	30
RJA1538		15	8	32

# MECHANICAL JACKS

RJ Series - Ratchet Jacks



Multiple-toothed pawls provides greater contact with rack bar.

Double-lever sockets for changing handle angle.

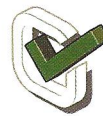
Plated springs resist corrosion.

Replaceable trunnion bearings.

Adjustable spring links.

Reversing lever.

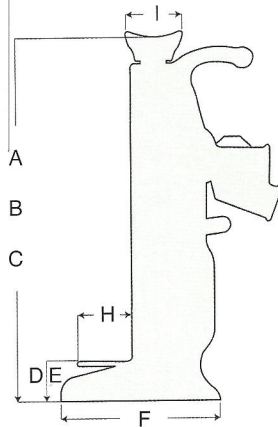
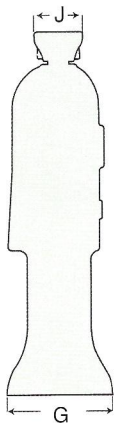
Ductile iron housing for maximum strength.



## RECOMMENDED LEVER BARS

Please refer to page 145 for additional details.

Ratchet Jack Model	Lever Bar Model
<i>RJ84A</i>	SLB36
<i>RJ85A</i>	SLB36
<i>RJ86A</i>	SLB36
<i>RJ1017</i>	SLB60
<i>RJ22B</i>	SLB60
<i>RJ24A</i>	SLB70
<i>RJ2029</i>	SLB70
<i>RJA1022</i>	SLB60
<i>RJA1538</i>	SLB70



Dimensions (in)										Weight (lbs)	Model
A	B	C	D	E	F	G	H	I	J		
Minimum Height	Maximum Height	Stroke	Toe Minimum Height	Toe Maximum Height	Base Length	Base Width	Toe Length	Cap Length	Cap Width		
14	21	7	1.75	8.75	7.38	5	2.5	2.62	2.31	28	<i>RJ84A</i>
17	27	10	1.75	11.75	7.38	5	2.5	2.62	2.31	30	<i>RJ85A</i>
20	33	13	1.75	14.75	7.38	5	2.5	2.62	2.31	35	<i>RJ86A</i>
17.25	26.75	9.5	1.62	11.13	8.75	6	2.4	2.87	2.62	40	<i>RJ1017</i>
21.62	33.62	12	2	14	10.25	6.5	2.4	3	2.5	70	<i>RJ22B</i>
23.25	36	12.75	2.25	15	10.25	8	2.62	3.5	2.87	93	<i>RJ24A</i>
28	46	18	2.25	20.25	11	8	2.62	3.5	2.87	104	<i>RJ2029</i>
21.62	33.62	12	2	14	10.25	6.5	2.4	3	2.5	42	<i>RJA1022</i>
37.62	59.13	21.25	---	---	8.13	8.25	---	---	---	62	<i>RJA1538</i>

mechanical