GB Instruction for use
DK Brugsanvisning

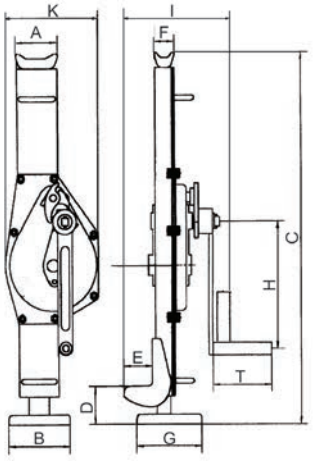
POWERTEX

Mechanical Rack Jack PRJ-S2

User Manual

UMPRJS220220601DK

POWERTEX Mechanical Rack Jack PRJ-S2
Instruction for use (GB) (Original instructions)



Read and understand this instruction manual before using the product. Failure to reed these instructions may result in personal injury and/or property damage. Retain this instruction manual during the whole lifespan of the product.

Product description
The POWERTEX mechanical rack jack PRJ-S2 is made from high strength steel and is available in several capacities. The lifting mechanism is well protected inside a steel housing preventing it from damages and dirt. The jack is intended to lift loads using only hand force by operating the crank handle. Brake pawls will hold the load in position when the handle is released. PRJ-S2 jacks are designed to be loaded on the top support or on the lower toe support. The jacks are intended to be used to temporarily lift the load until it can be landed safely on a stable support.
Standard applied: EN 1494
Proof load testing: Each jack has been tested 1,25 x WLL at the factory prior delivery.
Temperature range: -20°C up to +50°C.

Data

Model	WLL (ton)	Crank force to lift full load N	Weight (kg)
PRJ-S2/1500KG	1,5	186	13,5
PRJ-S2/3000KG	3	250	21,2
PRJ-S2/5000KG	5	245	28,5
PRJ-S2/10000KG	10	392	46,8

Dimensions

WLL (ton)	A mm	B x G mm	Lift height C mm	Heel height D mm	E mm	F mm	H mm	I mm	K mm	T mm
1,5	82	100x110	600-900	60-360	55	48	225	190	163	113
3	83	130x140	730-1080	70-420	60	45	250	200	197	127
5	106	140x170	730-1080	80-430	71	68	275	239	189	127
10	124	140x170	800-1210	85-495	86	76	300	293	250	248

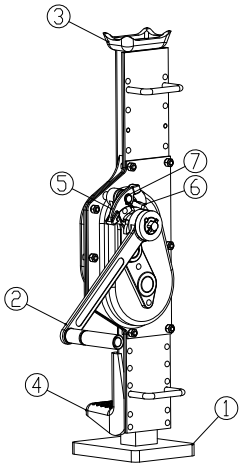
Static test coefficient: WLL x 1,25
Generally according to EN 1494

General instructions for safe work with jacks
Lifting operations using jacks must only be conducted by trained personnel.
Always follow national safety regulations.
Operate the equipment in accordance with the information in these operating instructions.
Check the equipment prior each usage and use only equipment being in perfect working order.
Important to use the jack on a substrate with sufficient load bearing capacity, else it could sink or topple and potentially drop the load.
Always be conscious of safety and aware of hazards when working with jacks as elevated heavy loads are involved.
Plan the lift carefully and ensure that the jack will be stable during the whole lifting operation.
Never exceed the working load limit WLL stated on the product identification plate.
Always lift smoothly and avoid shock loading as this could damage the jack.
Always lift with the load centered on the support areas.
During lifting and lowering movements always observe the movement of the load and lifting equipment.
When lifting the load with the toe support, the force transmission should be as close to the rack housing as possible.
If any problem with the equipment occur during use, the work must be immediately stopped, and the jack taken out of service for a thorough examination. Carry out necessary repairs before continuing to work!
Do not leave the load suspended without supervision.
Do not allow persons or body parts under a raised load until it has been properly supported by jack stands or other suitable supports.
Do not allow persons onboard the load being lifted.
Use only hand force to operate the handle, extensions are not allowed.
Transport the jack protected against impacts and shocks, falling over or toppling.
Keep a record of all jacks and other lifting equipment
A thorough inspection should be conducted and recorded by a competent person at least every 12-month ensuring that the jack is free from defects and that it operates perfectly.

Usage exclusions
Not intended for permanent installations
Not intended to be used on vibrating loads
Not intended for use in explosive environments.
Not intended for use in chemical or corrosive environments.
Not intended for lifting hazardous loads.

Description of parts:

1) Base
2) Lever
3) Upper support stand
4) Lower support stand
5) Upper ratchet pawl
6) Lower ratchet pawl
7) Axle ring



Operation
Place the jack under the load on a hard level surface. Place the jack so that the load can be firmly supported by the lower (4) or upper (3) support stand. Rotate the lever (2) clockwise by hand to lift the load and counterclockwise to lower the load. Never hold the gear rack while operating the jack as the housing will travel along the rack.

Lifting with several jacks
Lifting with 2 or more jacks simultaneously represent a high-risk operation.
There is a risk for uneven load distribution and overloading as one jack may take all the load whilst others become unloaded. This type of lifts must therefore be planned and supervised by a competent person with experience in this type of lifting.

Maintenance and inspections

Daily inspection and storage
Before each use, a visual inspection shall be made for any abnormal conditions, such as cracked welds, damage, bent, worn, lose or missing parts or illegible identification plate. Also check that the jack movement is operating smoothly. If any defect is detected or malfunction occur, the jack should be removed from service immediately and thoroughly inspected by a competent person. The jack should be thoroughly inspected immediately if it is suspected to have been subjected to abnormal loading or shock loading. Always store your jack in the fully lowered position.

Thorough inspection
At least every 12 months or shorter period if required by the working conditions a thorough inspection should be made by a competent person where the equipment is inspected for any damages such as missing parts, information plate being illegible, deformations, cracks and wear that may affect safety. Repairs needed shall be performed by an authorized customer service representative. Lubrication is needed to secure smooth function and to extend lifetime. Lubricate the gear rack regularly with heavy-duty water-resistant bearing grease and a light oil for the moveable crank house parts. The results of the thorough inspections should be recorded.

End of use/Disposal

Rack jacks shall always be sorted/scrapped as general steel scrap.
Your POWERTEX distributor will assist you with the disposal, if required.

EC Declaration of conformity

SCM Citra OY
Asessorinkatu 3-7
20780 Kaarina, Finland
www.powertex-products.com

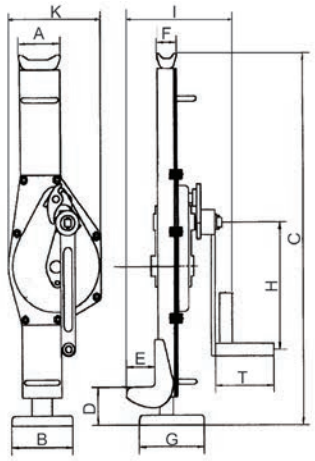
hereby declares that the POWERTEX product as described above is in compliance with EC Machinery Directive 2006/42/EC & EN 1494.

UK Declaration of conformity
SCM Citra OY
Asessorinkatu 3-7
20780 Kaarina, Finland
www.powertex-products.com

hereby declares that the POWERTEX product as described above is in compliance with the Supply of Machinery (Safety) Regulations 2008 & BS EN 1494.

POWERTEX Donkraft PRJ-S2
Brugsanvisning (DK)

Læs denne brugsanvisning før ibrugtagning af donkraften. Manglende overholdelse af disse instruktioner kan resultere i personskade og/eller skade på ejendom. Opbevar denne brugsanvisning i hele produktets levetid.



Produkt beskrivelse
POWERTEX mekaniske donkraft PRJ-S2 er lavet af højstyrkestål og fås i flere kapaciteter. Løftemekanismen er godt beskyttet inde i et stålkabinet, hvilket forhindrer skader og snavs i at forvolde skader. Donkraften er beregnet til at løfte byrder kun ved brug af håndkraft ved betjening med krumtaphåndtaget. Spærrepaler holder byrden på plads, når håndtaget frigøres. PRJ-S2-donkraften er designet til at byrden placeres på den øverste støtte eller på den nederste tåstøtte. Donkraften er beregnet til brug ved midlertidigt løft af en byrde, indtil den kan afsættes sikkert på en stabil støtte.
Standard: EN 1494
Prøvebelastning: Hver donkraft er blevet testet fra fabrikken med 1,25 x WLL før levering.
Arbejdsstemperatur: -20°C op til +50°C.

Data

Model	WLL (ton)	Krank kraft for løft af fuld last N	Vægt (kg)
PRJ-S2/1500KG	1,5	186	13,5
PRJ-S2/3000KG	3	250	21,2
PRJ-S2/5000KG	5	245	28,5
PRJ-S2/10000KG	10	392	46,8

Dimensioner

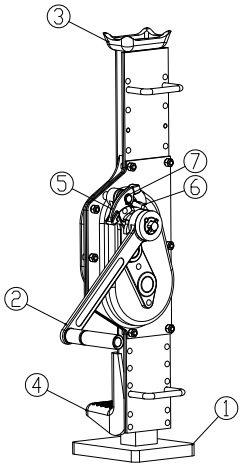
WLL (ton)	A mm	B x G mm	Løftehøjde C mm	Klohøjde D mm	E mm	F mm	H mm	I mm	K mm	T mm
1,5	82	100x110	600-900	60-360	55	48	225	190	163	113
3	83	130x140	730-1080	70-420	60	45	250	200	197	127
5	106	140x170	730-1080	80-430	71	68	275	239	189	127
10	124	140x170	800-1210	85-495	86	76	300	293	250	248

Statisk test coefficient: WLL x 1,25
Generelt i henhold til EN 1494

Generelle instruktioner til sikkert arbejde med donkraft
Løfteoperationer ved hjælp af donkrafte må kun udføres af uddannet personale.
Følg altid nationale sikkerhedsbestemmelser.
Betjen udstyret i overensstemmelse med oplysningerne i denne brugsanvisning.
Kontroller udstyret inden hver brug, og brug kun udstyr, der er i perfekt funktionsdygtig stand.
Det er vigtigt at bruge donkraften på et underlag med tilstrækkelig bæreevne, ellers kan det synke eller vælte og potentielt tabe belastningen.
Vær altid opmærksom på sikkerheden og farerne, når du arbejder med donkrafte, da der er tale om forhøjede tunge belastninger.
Planlæg løftet omhyggeligt, og sørg for, at donkraften er stabil under hele løfteoperationen.
Overskrid aldrig arbejdsbelastningsgrænsen WLL angivet på produktets typeskilt.
Løft altid glat og undgå stødbelastning, da dette kan beskadige donkraften.
Løft altid med lasten centreret på støtteområderne.
Under løfte- og sænkebevægelser skal du altid holde øje med lasten og løfteudstyret.
Når lasten løftes med kloen, skal kraftoverføringen være så tæt på kabinettet som muligt.
Hvis der opstår problemer med udstyret under brug, skal arbejdet straks standses, og donkraften tages ud af drift for en grundig undersøgelse.
Udfør nødvendige reparationer, inden du fortsætter med at arbejde!
Efterlad ikke lasten løftet uden opsyn.
Tillad ikke personer eller kropsdele under en hævet last, før den er blevet korrekt understøttet af donkrafte eller andre passende understøtninger.
Tillad ikke personer på lasten, der løftes.
Brug kun håndkraft til at betjene håndtaget, forlængelse af håndtaget er ikke tilladt.
Transporter donkraften beskyttet mod påvirkninger som stød eller væltning.
Før registreringer over alle donkrafte og andet løfteudstyr.
En grundig inspektion skal udføres og registreres af en kompetent person mindst hver 12. måned for at sikre, at donkraften er fejlfri, og at den fungerer korrekt.

Brugsekskluderinger
Ikke beregnet til permanente installationer.
Ikke beregnet til brug på vibrerende byrder.
Ikke beregnet til brug i eksplosive miljøer.
Ikke beregnet til brug i kemiske eller ætsende miljøer.
Ikke beregnet til løft af farlige byrder.

Komponentbeskrivelse:
1) Fod
2) Håndtag
3) Øverste klo
4) Nederste klo
5) Øverste skraldepal
6) Nederste skraldepal
7) Akselring



Anvendelse
Anbring donkraften under lasten på et hårdt underlag. Anbring donkraften, så lasten kan understøttes solidt af den nederste (4) eller øverste (3) klo. Drej håndtaget (2) med uret med håndkraft for at løfte lasten og mod uret for at sænke lasten. Hold aldrig fast på stativet mens du betjener donkraften, da kabinettet bevæger sig langs dette.

Løft med flere donkrafte
Løft med 2 eller flere donkrafte samtidig udgør en højrisiko operation.
Der er en risiko for ujævn lastfordeling og overbelastning, da én donkraft kan tage al belastning, mens andre aflastes. Denne type løft skal derfor planlægges og overvåges af en kompetent person med erfaring i denne type løft.

Vedligeholdelse og inspektioner

Daglig inspektion og opbevaring
Før hver brug skal der foretages en visuel inspektion for unormale forhold, såsom revnede svejsninger, skader, bøjede, slidte, tabte eller manglende dele eller ulæselige mærkeplader. Kontroller også, at donkraftens bevægelser fungerer problemfrit. Hvis der opdages en defekt, eller der opstår en funktionsfejl, skal donkraften straks tages ud af drift og efterses grundigt af en kompetent person. Donkraften skal omgående undersøges grundigt, hvis der er mistanke om at den har være udsat for unormal belastning eller stødbelastning. Opbevar altid din donkraft i fuldt sænket position.

Grundig inspektion
Mindst hver 12. måned eller med kortere intervaller, hvis det kræves af arbejdsforholdene, skal der foretages en grundig inspektion af en kompetent person, hvor udstyret inspiceres for skader, såsom manglende dele, ulæselig mærkeplade, deformationer, revner og slid, der kan påvirke sikkerheden. De nødvendige reparationer skal udføres af en autoriseret servicemedarbejder. Smøring er nødvendig for at sikre en jævn funktion og forlænge levetiden. Smør gearet regelmæssigt med kraftigt vandafvisende lejefedt og en let olie til de bevægelige krumtaphusdele. Eftersyns resultaterne skal registreres og gemmes.

Bortskaffelse

Donkrafte skal altid sorteres/skrottes som almindeligt stålskrot.
Din POWERTEX-distributør hjælper dig med bortskaffelse, hvis det kræves.

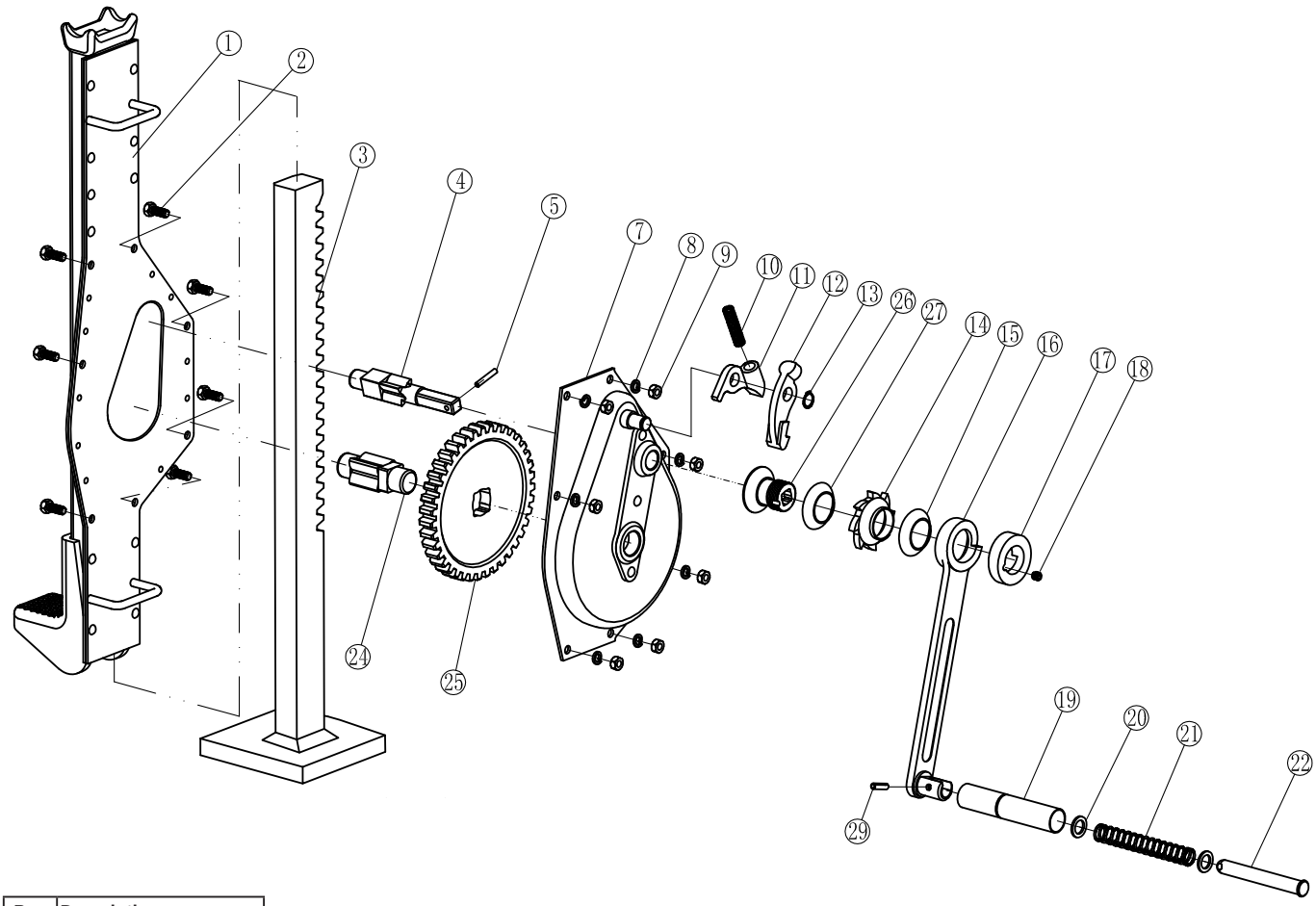
Ansvarsfraskrivelse
Vi forbeholder os retten til at modificere produktdesign, materialer, specifikationer eller anvisninger uden forudgående varsel og uden forpligtelse over for andre.
Hvis produktet modificeres på nogen måde, eller hvis det kombineres med et ikke-kompatibelt produkt/komponent, påtager vi os intet ansvar for konsekvenserne hvad angår produktets sikkerhed.

Overensstemmelseserklæring
SCM Citra OY
Asessorinkatu 3-7
FI-20780 Kaarina
Finland
www.powertex-products.com

erklærer hermed, at POWERTEX-produktet som beskrevet ovenfor er i overensstemmelse med EC Maskindirektivet 2006/42/EF og EN 1494.

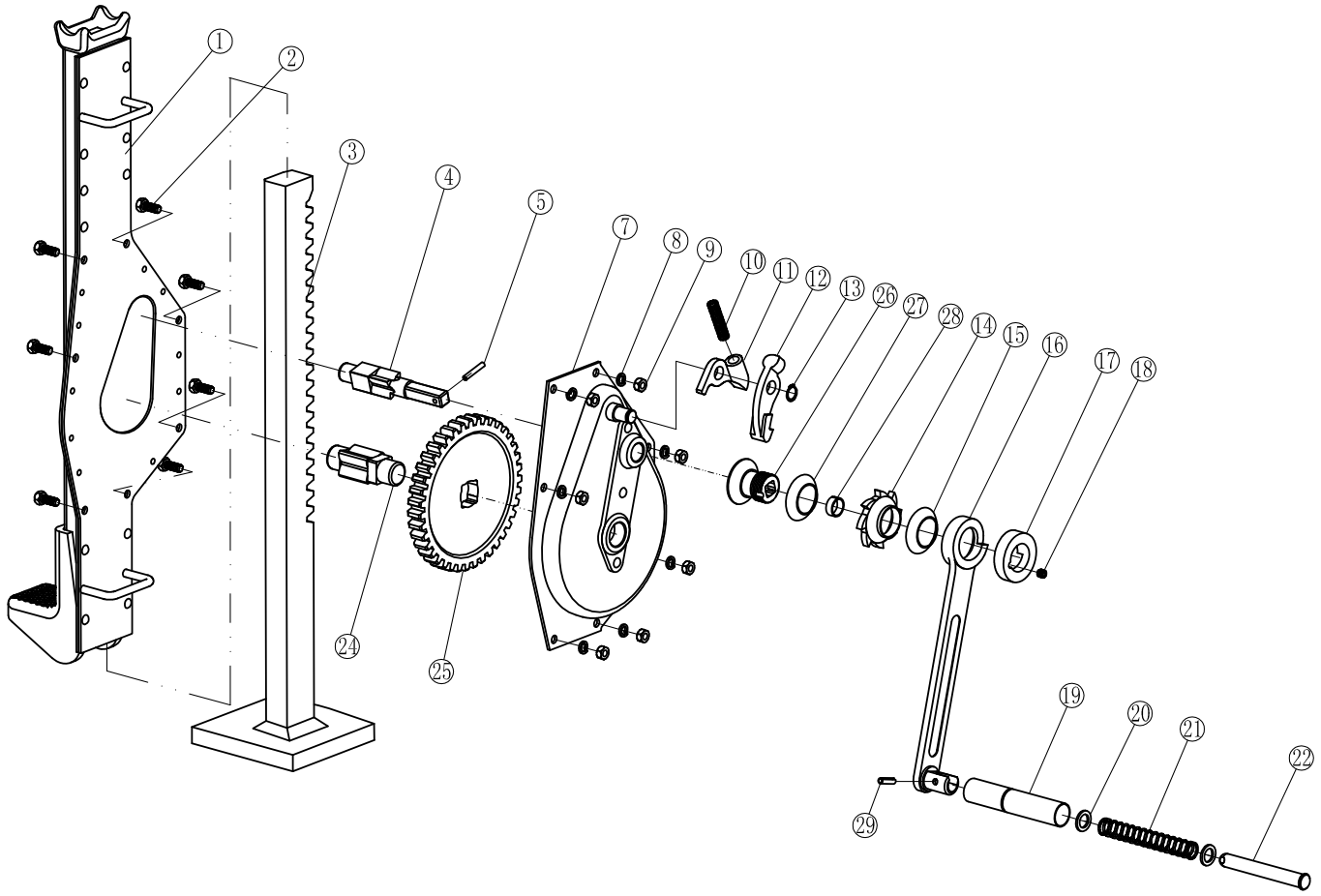
POWERTEX

POWERTEX Rack Jack PRJ-S2 – Parts 1,5 t



Pos	Description
1	Jack block
2	Screw
3	Rack
4	Axle
5	Elastic pin
7	Left bracket
8	Washer
9	Nut
10	Pawl spring
11	Lower ratchet pawl
12	Upper ratchet pawl
13	Axle ring
14	Ratchet wheel
15	Ratchet washer
16	Lever
17	Lock nut
18	Screw
19	Handle sleeve
20	Washer
21	Spring
22	Spring mandril
24	Axle
25	Gear
26	Axle seat
27	Washer
29	Elastic pin

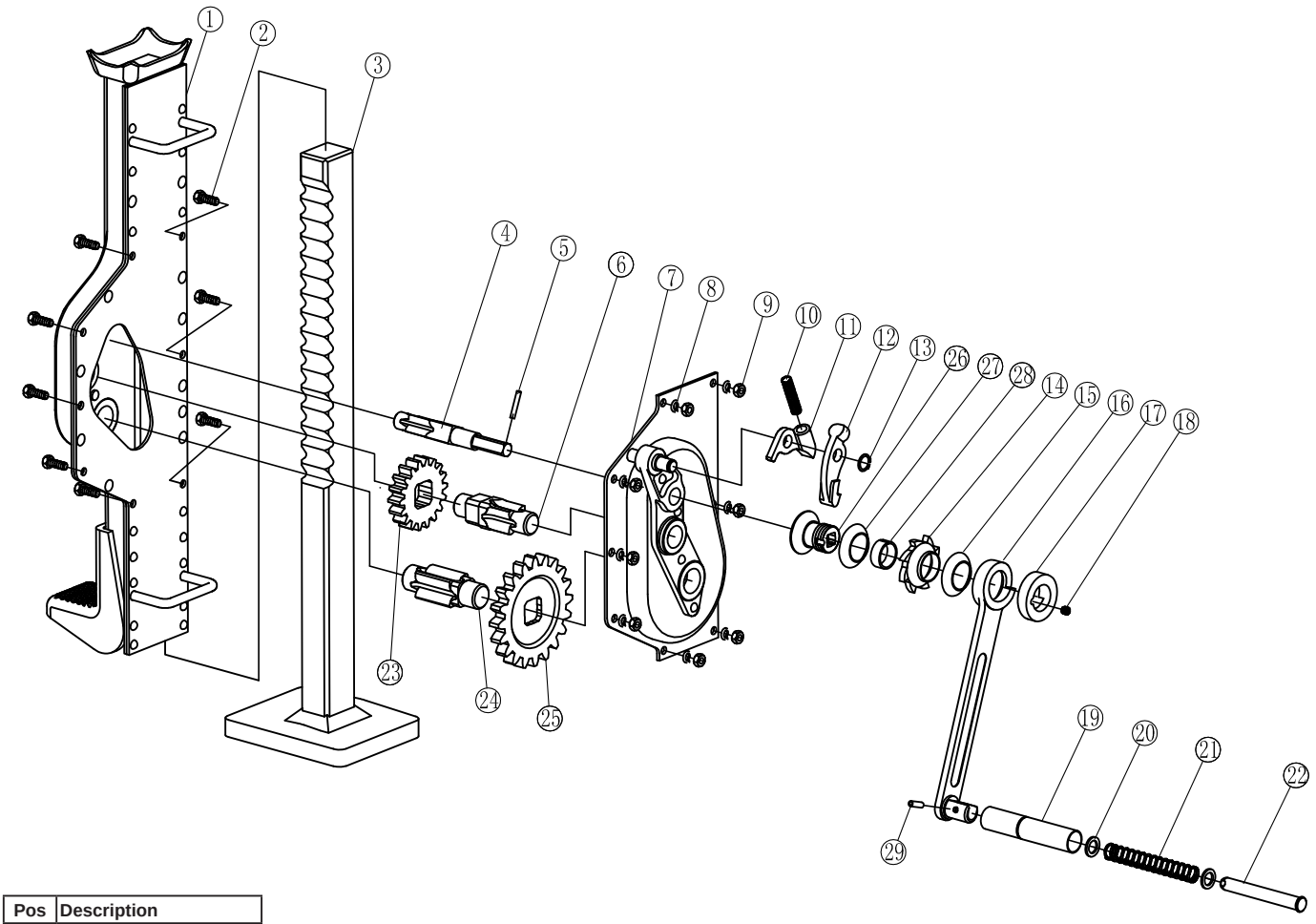
POWERTEX Rack Jack PRJ-S2 – Parts 3 t



Pos	Description
1	Jack block
2	Screw
3	Rack
4	Axle
5	Elastic pin
7	Left bracket
8	Washer
9	Nut
10	Pawl spring
11	Lower ratchet pawl
12	Upper ratchet pawl
13	Axle ring
14	Ratchet wheel
15	Ratchet washer
16	Lever
17	Lock nut
18	Screw
19	Handle sleeve
20	Washer
21	Spring
22	Spring mandril
24	Axle
25	Gear
26	Axle seat
27	Washer
28	Sleeve
29	Elastic pin

POWERTEX

POWERTEX Rack Jack PRJ-S2 – Parts 5 t - 10 t



Pos	Description
1	Jack block
2	Screw
3	Rack
4	Axle
5	Elastic pin
6	Axle
7	Left bracket
8	Washer
9	Nut
10	Pawl spring
11	Lower ratchet pawl
12	Upper ratchet pawl
13	Axle ring
14	Ratchet wheel
15	Ratchet washer
16	Lever
17	Lock nut
18	Screw
19	Handle sleeve
20	Washer
21	Spring
22	Spring mandril
23	Gear
24	Axle
25	Gear
26	Axle seat
27	Washer
28	Sleeve
29	Elastic pin

CertMax+

The CertMax+ system is a unique leading edge certification management system which is ideal for managing a single asset or large equipment portfolio across multiple sites. Designed by the Lifting Solutions Group, to deliver optimum asset integrity, quality assurance and traceability, the system also improves safety and risk management levels.

Marking

The POWERTEX Mechanical Rack Jack is equipped with a RFID (Radio-Frequency IDentification) tag, which is a small electronic device, that consist of a small chip and an antenna. It provides a unique identifier for the block.

The POWERTEX Mechanical Rack Jacks are **CE** and **UKCA** marked in accordance with Machine Directive 2006/42/EC.

Standard: EN 1494.

User Manuals

You can always find the valid and updated User Manuals on the web.
The manual is updated continuously and valid only in the latest version.

NB! The English version is the Original instruction.

The manual is available as a download under the following link:
www.powertex-products.com/manuals

Product compliance and conformity

SCM Citra OY
Asessorinkatu 3-7
20780 Kaarina
Finland
www.powertex-products.com

POWERTEX

www.powertex-products.com