DURAPAC®

ENGINEERED FOR RELIABILITY

HIGH PRESSURE HYDRAULIC TOOL SPECIALISTS

CYLINDERS | JACKS | PUMPS | TOOLS









DURAPAC®

ENGINEERED FOR RELIABILITY

DURAPAC IS A LEADING FORCE IN HIGH PRESSURE HYDRAULIC TOOLS THAT BRINGS TOGETHER DECADES OF INDUSTRY EXPERIENCE WITH A GLOBAL MANUFACTURING BASE TO PRODUCE A COMPLETE RANGE OF QUALITY INDUSTRIAL TOOLS.

Our vast and diverse client base includes construction, mining, engineering, railway, petrochemical, energy and defence. At Durapac, we are serious about reliability, not just in our products but also in our people, distribution, stock holding & after-sales service.

OUR PROMISE

To supply safe, reliable tools with industry leading after-sales back-up & service underpinned by a comprehensive 3 year warranty.

WARRANTY

Durapac products come with a comprehensive 3 year warranty. All products and services offered are subject to our standard terms and conditions which can be viewed on our website.

CERTIFICATION

All Durapac suppliers are required to hold approved quality system accreditation. All Durapac cylinders meet or exceed ANSI/ASME B30.1 safety standards.

OUR VALUES

1. Safety

- All tools are designed to meet or exceed global standards for high force hydraulic tools
- All tools are physically tested in our distribution centre prior to despatch to our customers
- Individual serial numbers are permanently marked on each product and a test certificate is issued for all cylinders, tools and pumps

2. Reliability

- Distributors are trained, tested and certified to ensure customers receive the right equipment for the job
- All outside suppliers are required to hold approved quality system accreditation and all tool designs are field tested
- All tools come with a comprehensive 3 year warranty

3. Availability

- We have extensive stocks of finished goods to enable prompt delivery
- We have extensive stocks of spare parts for fast servicing and lower long term operating costs

All Durapac product specifications are subject to change without notice. Please consult Durapac or one of it's authorised distributors for verification of critical specifications.



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DURAPAC

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SAFE D LOCK + POWERDRIVE

THE **SAFE D LOCK** (SDL) JACK + **POWERDRIVE** IS A SELF-PROPELLED LIFTING JACK AND RATED VEHICLE JACK STAND FOR HEAVY MINING VEHICLES.

The revolutionary design puts the operators' safety first. The jack uses patented oil-bathed internal locking quadrants with a 3:1 safety factor. A 5 M long remote lead allows the operator to be safely away from the lifting area during lifting, lowering and locking. Dual independent DC motors powered by two M18 Red Lithium™ batteries drive the wheels and can self-propel up slopes of 5 degrees. The Safe D Lock jack + POWERDRIVE is compact, portable and safe. It is the perfect choice for the workshop or service vehicle.



SDL-15096-PD

AUSTRALIAN MADE

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks, it also meets AS/NZS 2538:2004 standard for vehicle support stands

Model Number	Jack Capacity			Cylinder Effective Area (cm^2)	A Collapsed Height (mm)**	B Base Plate Diameter (mm)	C Folded Length (mm)	D Jack Length (mm)	Stroke (mm)	Max. Lift Height (mm)***	Oil Tank Capacity (L)	Weight (kg)
	Metric (tonne)	US (ton)*	(kN)									
SDL-07068-PD	70	77	686	143	680	505	1,147	2,174	404	1,408	24	390
SDL-07081-PD	70	77	686	143	812	505	1,147	2,174	535	1,680	24	420
SDL-10068-PD	100	110	980	143	680	505	1,147	2,174	404	1,408	24	390
SDL-10081-PD	100	110	980	143	812	505	1,147	2,174	535	1,680	24	420
SDL-15068-PD	135	150	1,324	254	680	505	1,147	2,174	406	1,408	24	470
SDL-15096-PD	135	150	1,324	254	964	520	1,154	2,181	685	1,680	24	550
SDL-20068-PD	181	200	1,781	254	680	505	1,147	2,174	406	1,408	24	470
SDL-20096-PD	181	200	1,781	254	964	520	1,154	2,181	685	1,680	24	550

A non-POWERDRIVE option is also available – to order, use jack model number without "-PD" suffix (eg. SDL-10068)

* Nominal Cylinder Capacity in ton - see kN values for actual capacity. ** Includes load cap height of 22 mm

*** Maximum lift height for AS/NZS 2538:2004 Vehicle Support Stand Rating



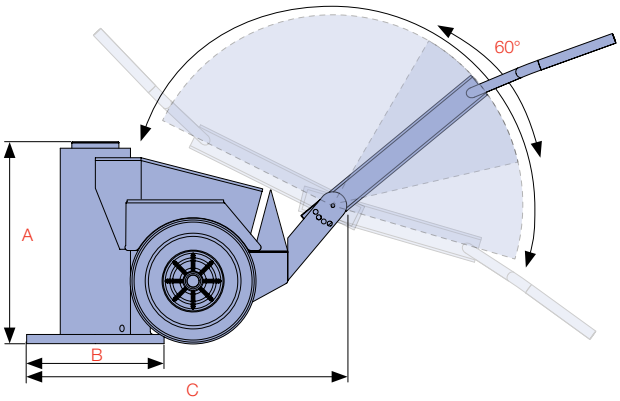


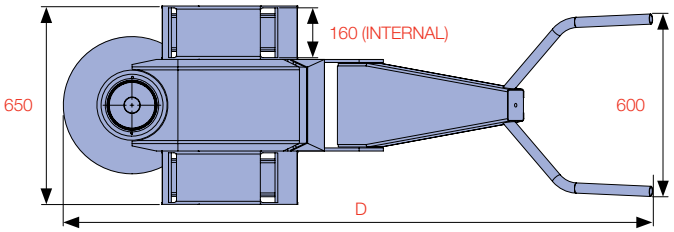
CAPACITY RANGE

70 - 181 tonne
(77 - 200 US ton)

STROKE RANGE

404 - 685 mm





PATENTED FAIL SAFE

spring loaded mechanical locking system. Can be locked in 13 mm increments

INDEPENDENT DEADMAN SWITCHES#

for easy manoeuvring and safety

MECHANICAL QUADRANT LOCKS

hold a minimum 3 x rated jack capacity without failure

THREE POSITION TOGGLE#

F (Forward) N (Neutral) R (Reverse)

LOCK INDICATORS

confirm 'locked' and 'unlocked' status

TILT ADJUSTABLE HANDLE

for ease of manoeuvring and compact storage

SERRATED STEEL LOAD CAP

included as standard

LIFTING POINTS

allows easy forklift access

AIR MOTOR

powered by a 3.9 kW Gast® air motor. Working air pressure range 5.6 - 7.0 bar, air consumption range 2,265 - 4,530 Lpm

ALUMINIUM REMOTE PENDANT

with mounted lock and unlock indicators & 5 M hose for added safety

LOCKABLE ISOLATION VALVE

relieves downstream air for extra safety and security

HIGH STRENGTH STEEL BASE PLATE

resists deformation

TYRES WITH ALLOY RIMS

heavy duty, polyurethane filled, puncture-proof, large rolling diameter (450 mm)

See Page 16 for SD-Accessories

only available on -PD models

THE **EXTRA COMPACT SAFE D LOCK** (SDL) JACK IS A LIFTING JACK AND RATED VEHICLE JACK STAND FOR HEAVY MINING VEHICLES WITH LOW HEIGHT, NARROW WIDTH JACKING POINTS.

These jacks were designed to suit a Cat® Dozer or similar low height, narrow width jacking point vehicle. With all the safety features of a standard SDL but in a more compact size.



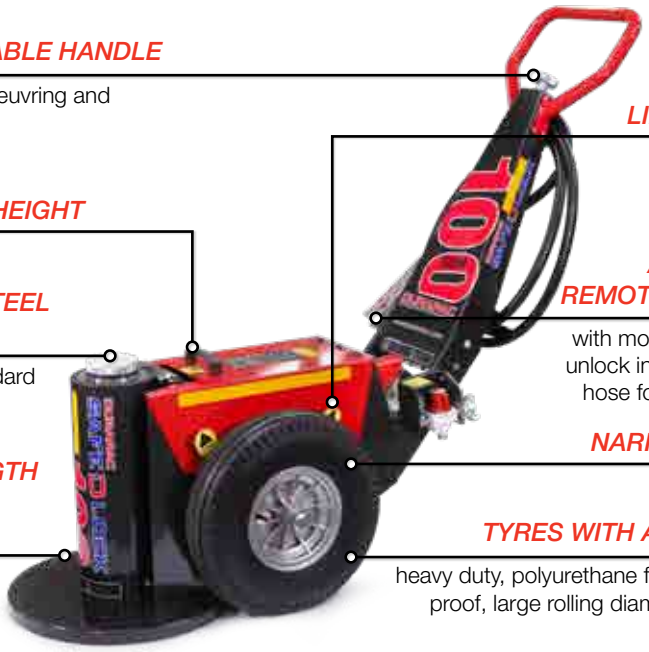
AUSTRALIAN MADE

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks, it also meets AS/NZS 2538:2004 standard for vehicle support stands

SDL-10055

Model Number	Jack Capacity			Cylinder Effective Area (cm^2)	A Collapsed Height (mm)**	B Base Plate Diameter (mm)	C Folded Length (mm)	D Jack Length (mm)	Stroke (mm)	Maximum Lift Height (mm)***	Oil Tank Capacity (L)	Weight (kg)
	Metric (tonne)	US (ton)*	(kN)									
SDL-10055	100	110	980	143	550	505	1,147	2,027	274	1,250	24	320

* Nominal Cylinder Capacity in ton - see kN values for actual capacity. ** Includes load cap height of 22 mm
*** Maximum lift height for AS/NZS 2538:2004 Vehicle Support Stand Rating



TILT ADJUSTABLE HANDLE
for ease of manoeuvring and compact storage

COLLAPSED HEIGHT
550 mm

SERRATED STEEL LOAD CAP
included as standard

HIGH STRENGTH STEEL BASE PLATE
resists deformation

LIFTING EYES
allow slinging of the jack

ALUMINIUM REMOTE PENDANT
with mounted lock and unlock indicators & 5 M hose for added safety

NARROW WIDTH
620 mm

TYRES WITH ALLOY RIMS
heavy duty, polyurethane filled, puncture-proof, large rolling diameter (450 mm)

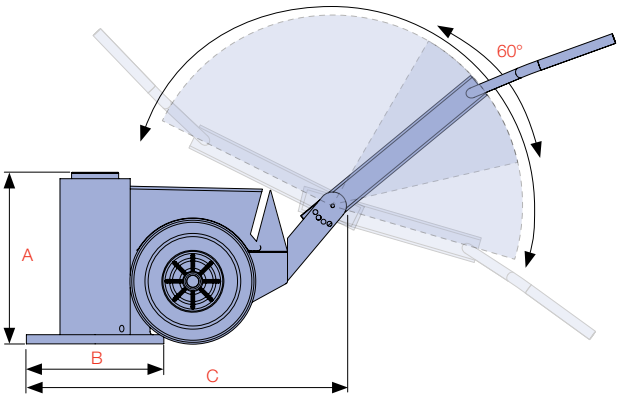


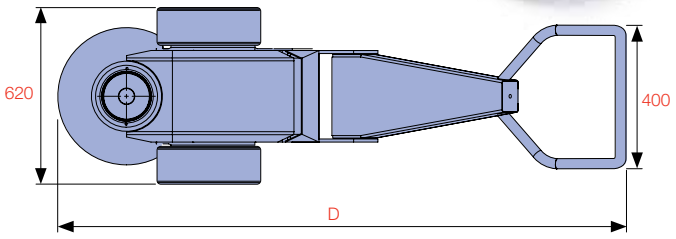
CAPACITY
100 tonne (110 US ton)
STROKE
274 mm
WORKING AIR PRESSURE RANGE
5.6 - 7.0 bar
AIR CONSUMPTION RANGE
2,265 - 4,530 Lpm

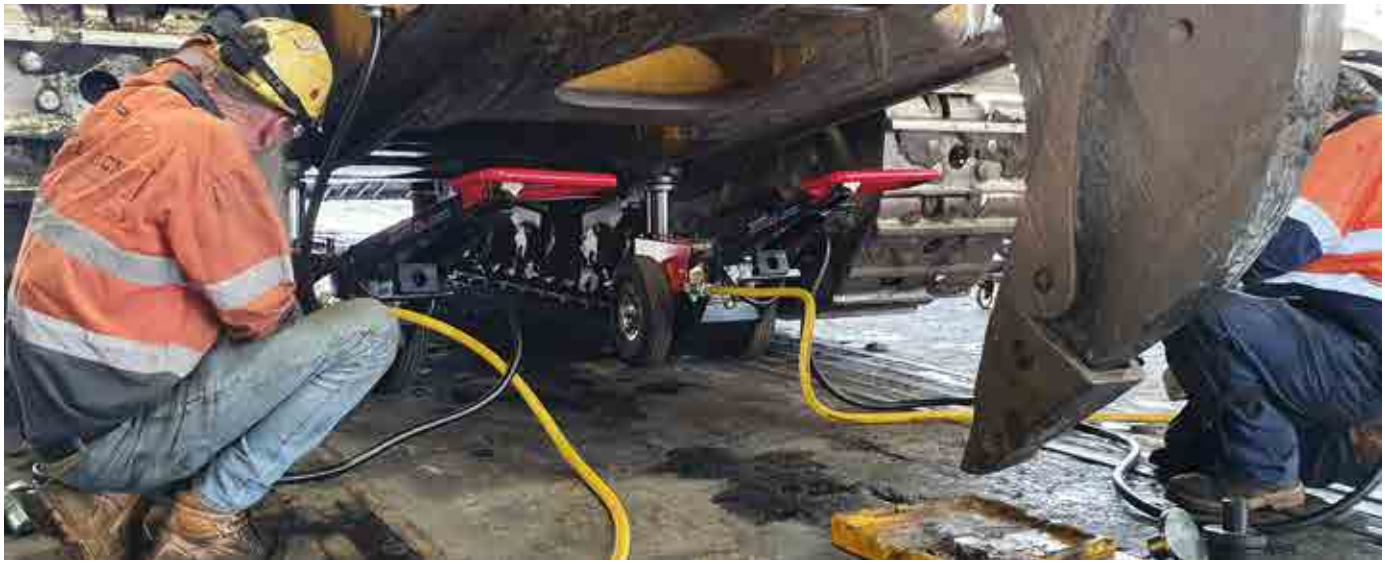
See Page 16 for SD-Accessories

Radius Load Caps available - consult Durapac





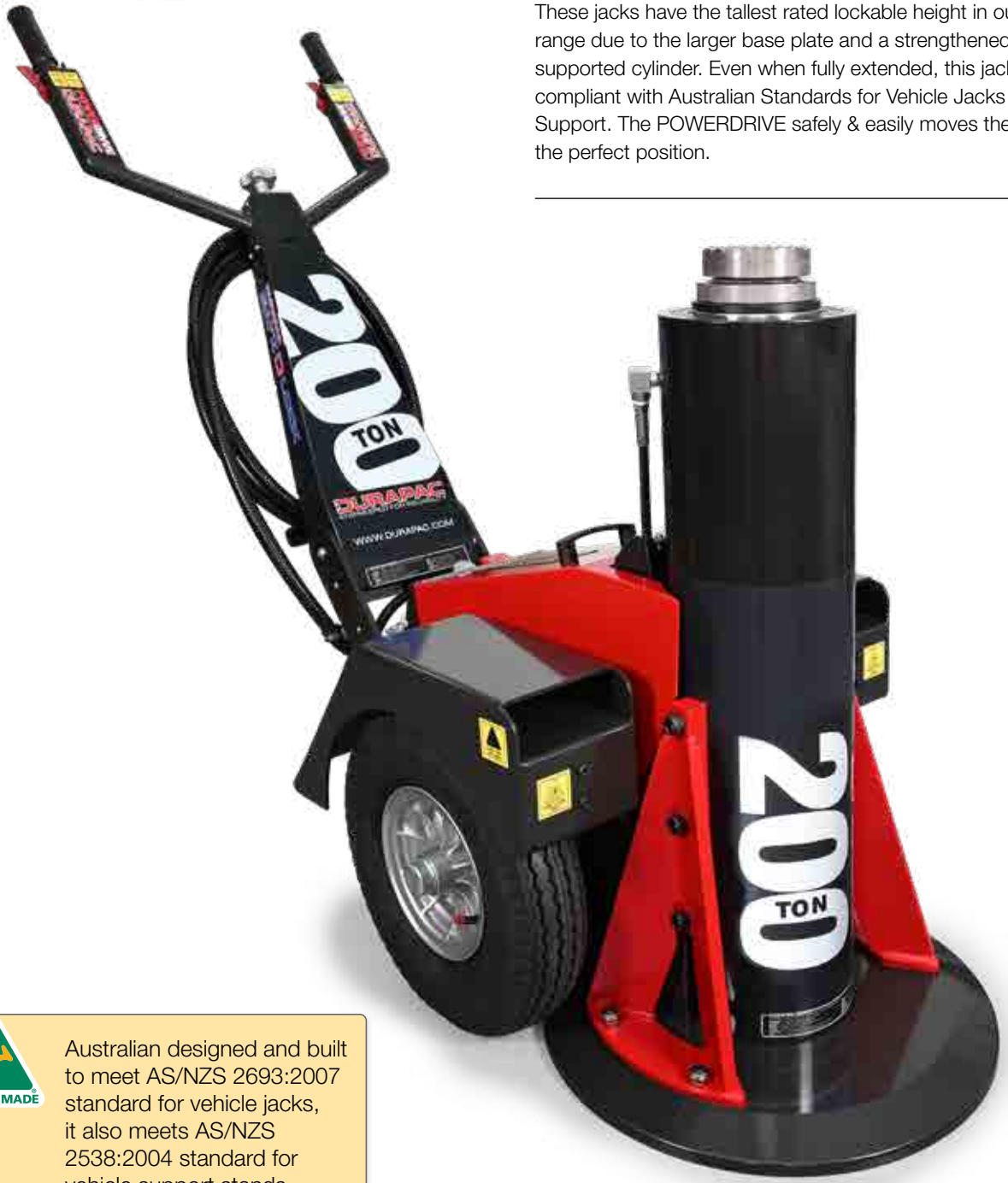




SAFE D LOCK + POWERDRIVE

THE **TALLEST** **SAFE D LOCK** (SDL) JACK + **POWERDRIVE** SAFELY ACHIEVES EXTENDED LIFTING HEIGHTS AND IS A RATED VEHICLE JACK STAND FOR HEAVY MINING VEHICLES.

These jacks have the tallest rated lockable height in our range due to the larger base plate and a strengthened gusset supported cylinder. Even when fully extended, this jack is compliant with Australian Standards for Vehicle Jacks & Support. The POWERDRIVE safely & easily moves the jack to the perfect position.



AUSTRALIAN MADE

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks, it also meets AS/NZS 2538:2004 standard for vehicle support stands

SDL-20096-PD-620

Model Number	Jack Capacity			Cylinder Effective Area (cm^2)	A Collapsed Height (mm)**	B Base Plate Diameter (mm)	Stroke (mm)	Max. Lift Height (mm)***	Oil Tank Capacity (L)	Weight (kg)
	Metric (tonne)	US (ton)*	(kN)							
SDL-20096-PD-620	181	200	1,781	254	960	620	685	2,100	24	590

* Nominal Cylinder Capacity in ton - see kN values for actual capacity. ** Includes load cap height of 22 mm
*** Maximum lift height for AS/NZS 2538:2004 Vehicle Support Stand Rating

EXTENDED HEIGHT
2,100 mm

TILT ADJUSTABLE HANDLE
for ease of manoeuvring and compact storage

INDEPENDENT DEADMAN SWITCHES
for easy manoeuvring and safety

THREE POSITION TOGGLE
F (Forward) N (Neutral) R (Reverse)

LARGER BASE PLATE
increases stability



SERRATED STEEL LOAD CAP
included as standard. Custom load caps and tilt saddles are available

ALUMINIUM REMOTE PENDANT
with mounted lock and unlock indicators & 5 M hose for added safety

LOCKABLE ISOLATION VALVE
relieves downstream air for extra safety and security

GUSSET SUPPORTED CYLINDER
for added strength to allow extended lifting height

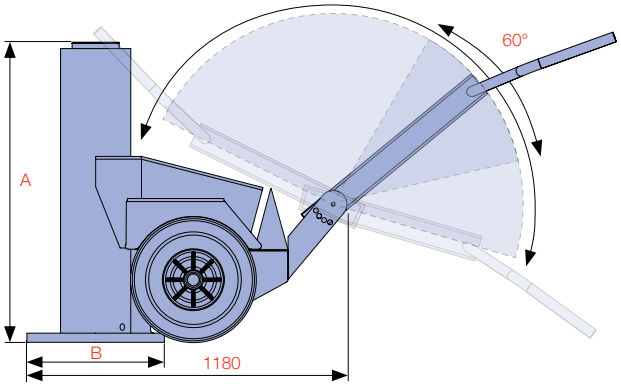


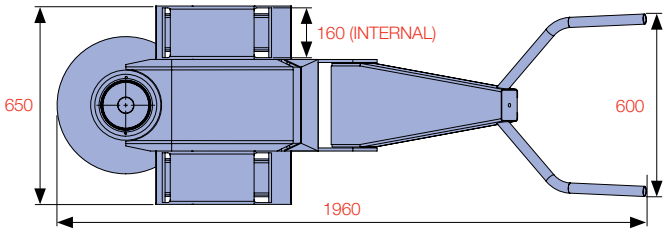
CAPACITY
181 tonne (200 US ton)

STROKE
685 mm

WORKING AIR PRESSURE RANGE
5.6 - 7.0 bar

AIR CONSUMPTION RANGE
2,265 - 4,530 Lpm





SDE200-400 & **SDE200-500** are the perfect accessory **for tall applications**

See Page 16 for SD-Accessories



SDE-200-500

SDE-200-400

THE **SLIMLINE SAFE D LOCK** (SDL) JACK IS A LIFTING JACK AND RATED VEHICLE JACK STAND FOR HEAVY MINING VEHICLES WHERE NARROW ACCESS IS REQUIRED.

These jacks were designed to suit KRESS/Cat® trucks where access is required within the double wheel structure or other tight spaces. With all the safety features of a standard SDL but in a slimmer, more compact size.



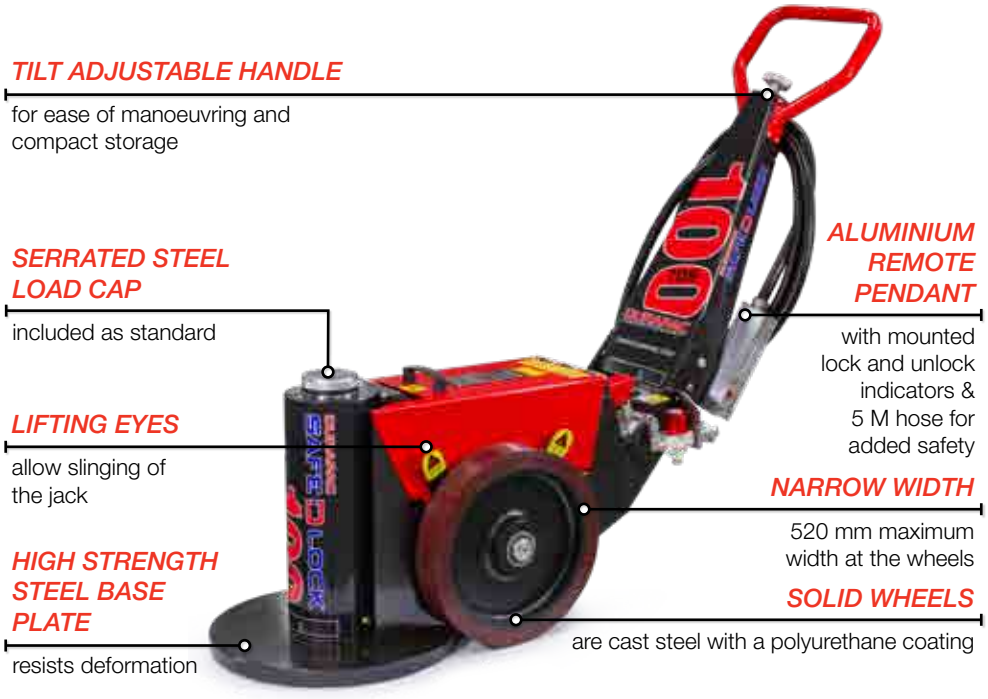
AUSTRALIAN MADE

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks, it also meets AS/NZS 2538:2004 standard for vehicle support stands

SDL-10055-KR

Model Number	Jack Capacity			Cylinder Effective Area (cm^2)	A Collapsed Height (mm)**	B Base Plate Diameter (mm)	C Folded Length (mm)	D Jack Length (mm)	Stroke (mm)	Max. Lift Height (mm)***	Oil Tank Capacity (L)	Weight (kg)
	Metric (tonne)	US (ton)*	(kN)									
SDL-10055-KR	100	110	980	143	550	505	1,147	2,027	274	1,250	24	270
SDL-10068-KR	100	110	980	143	680	505	1,147	2,027	404	1,408	24	290

* Nominal Cylinder Capacity in ton - see kN values for actual capacity. ** Includes load cap height of 22 mm
*** Maximum lift height for AS/NZS 2538:2004 Vehicle Support Stand Rating



TILT ADJUSTABLE HANDLE
for ease of manoeuvring and compact storage

SERRATED STEEL LOAD CAP
included as standard

LIFTING EYES
allow slinging of the jack

HIGH STRENGTH STEEL BASE PLATE
resists deformation

ALUMINIUM REMOTE PENDANT
with mounted lock and unlock indicators & 5 M hose for added safety

NARROW WIDTH
520 mm maximum width at the wheels

SOLID WHEELS
are cast steel with a polyurethane coating

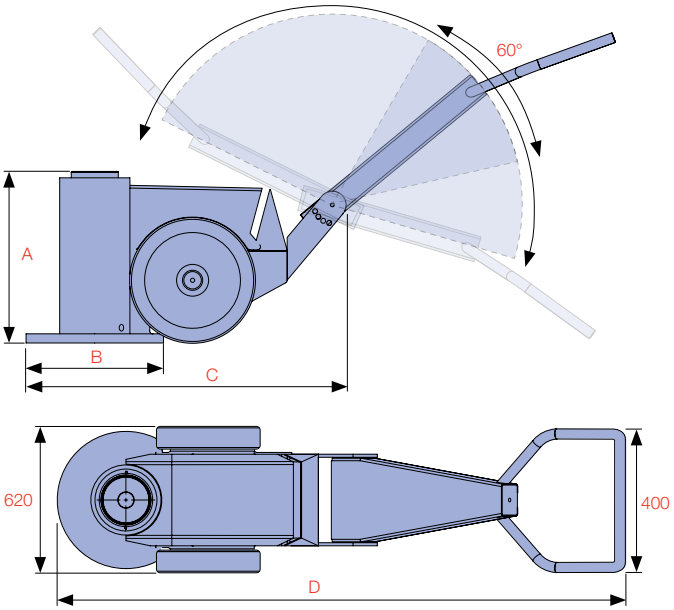


CAPACITY
100 tonne (110 US ton)

STROKE RANGE
274 - 404 mm

WORKING AIR PRESSURE RANGE
5.6 - 7.0 bar

AIR CONSUMPTION RANGE
2,265 - 4,530 Lpm





See Page 16 for SD-Accessories

POWERDRIVE

THE **SDN-SERIES** JACK IS AN ERGONOMICALLY DESIGNED PORTABLE JACKING SYSTEM THAT IS EASILY WHEELED AROUND A JOB SITE.

This unit is designed to lift heavy mining vehicles. It can be used on any hard surface (maintenance bays & workshops) and is easily transported by ute to site. The wheeled chassis has an ergonomically designed handle system which is adjustable, making it easy to move around by one person. The chassis frame is steel (not cast) for maximum durability and longevity. For safety, a 5 M remote control pendant is supplied to keep the operator out of the way of any possible hazards. Optional U-rings, tilt saddles and extensions are available.



AUSTRALIAN MADE

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks

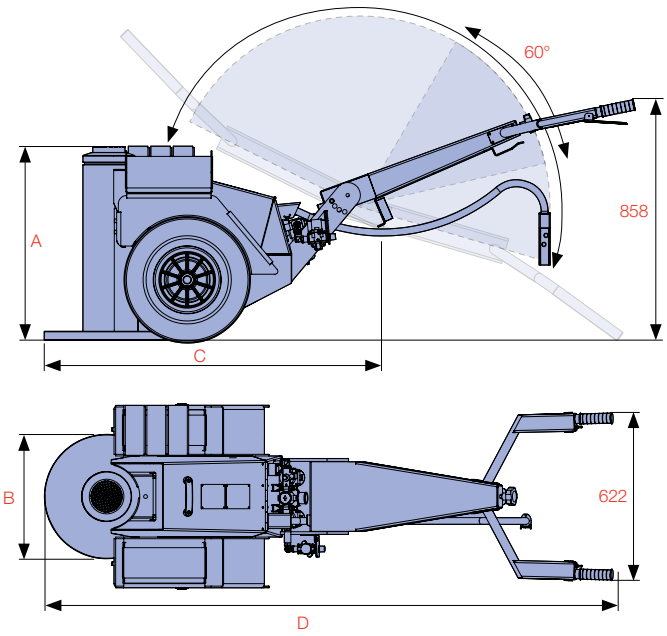
SDN-10086-PD

Model Number	Jack Capacity			Cylinder Effective Area (cm^2)	A Collapsed Height (mm)**	B Base Plate Diameter (mm)	C Folded Length (mm)	D Jack Length (mm)	Stroke (mm)	Oil Tank Capacity (L)	Weight (kg)
	Metric (tonne)	US (ton)*	(kN)								
SDN-10068-PD	100	110	980	143	689	505	1,147	2,177	404	24	398
SDN-10086-PD	100	110	980	143	860	505	1,147	2,177	571	24	440
SDN-15068-PD	135	150	1,324	254	686	505	1,147	2,177	406	24	476
SDN-15096-PD	135	150	1,324	254	975	520	1,154	2,184	685	24	560
SDN-20068-PD	181	200	1,781	254	686	505	1,147	2,177	406	24	476
SDN-20096-PD	181	200	1,781	254	975	520	1,154	2,184	685	24	560

A non-POWERDRIVE option is also available – to order, use jack model number without "-PD" suffix (eg. SDL-10068)

* Nominal Cylinder Capacity in ton - see kN values for actual capacity. ** Includes load cap height of 22 mm







CAPACITY RANGE

100 - 181 tonne
(110 - 200 US ton)

STROKE RANGE

404 - 685 mm

SERRATED STEEL LOAD CAP

included as standard

INDEPENDENT DEADMAN SWITCHES#

for easy manoeuvring and safety

TILT ADJUSTABLE HANDLE

for ease of manoeuvring and compact storage

THREE POSITION TOGGLE#

F (Forward)
N (Neutral)
R (Reverse)

U-RINGS

for mechanical load support (optional)

AIR MOTOR

powered by a 3.9 kW Gast® air motor. Working air pressure range 5.6 - 7.0 bar, air consumption range 2,265 - 4,530 Lpm

U-RINGS HOLDER

for storage of U-ring Load Caps

LIFTING POINTS

allows easy forklift access



ALUMINIUM REMOTE PENDANT

with a 5 M lead allows the operator to be safely away from the area during lifting and lowering

TYRES WITH ALLOY RIMS

heavy duty, polyurethane filled, puncture-proof, large rolling diameter (450 mm)

HIGH STRENGTH STEEL BASE PLATE

resists deformation

See Page 16 for SD-Accessories

only available on -PD models

DJS SERIES

DURAPAC

AIR ASSISTED JACK STAND



DJS-1000

THE **DJS-SERIES** JACK STAND IS DESIGNED TO COMPLIMENT THE DURAPAC SDL LOCKING JACKS.

The DJS-Series Jack Stand is rated and certified to 100 tonne and complies with AS/NZS 2538:2004 standard for vehicle support stands.
A pneumatic assist raises the central piston against the vehicle while the lock nut is wound down by the operator. They can be permanently joined via continuous tine pockets to produce dedicated stands for particular vehicles or applications.

AUSTRALIAN MADE

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks

Model Number	Load Capacity			Min. Height (mm)	Max. Height (mm)	Base W x L (mm)	Air Pressure Rating (bar)	Max. Rated Height (mm)	Weight (kg)
	Metric (tonne)	US (ton)*	(kN)						
DJS-650	100	110	980	650	900	600 x 600	7	1,100	274
DJS-800	100	110	980	800	1,200	600 x 600	7	1,500	323
DJS-1000	100	110	980	1,000	1,400	600 x 600	7	1,700	370

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

LOCK NUT
is wound down to the housing shoulder to hold load at any position

STAND HEIGHT ADJUSTMENT
is controlled by an internal pneumatic cylinder

EASE OF USE
fork tine pockets and shackle lifting points are provided for ease of use and manoeuvring.
A standard Euro style pallet jack can also be used for transport of the stand

3 WAY / 3 POSITION CONTROL VALVE
releases air from cylinder



CASTOR WHEELS
Optional Castor Wheels and Steering Handle are available for positioning the Jack Stand



CAPACITY
100 tonne (110 US ton)

MAX. RATED HEIGHT RANGE
1,100 – 1,700 mm



DJS-1000 with optional Steering Handle and Castor Wheels

i Extension storage

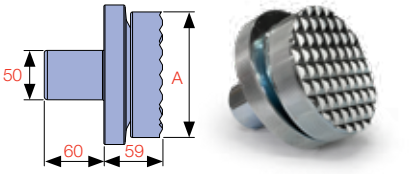


i Standard SDL extensions, load and swivel load caps may be used. See Page 16 for SD-Accessories



SDL WITH CUSTOM LOAD CAP

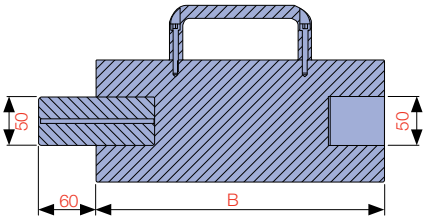
THE SD-ACCESSORIES ARE DESIGNED TO SUIT THE COMPACT **SAFE D LOCK** JACK AND IT'S EXTENDED FAMILY OF JACKS. THIS INCLUDES THE **POWERDRIVE**, EXTRA COMPACT, TALLEST, SLIMLINE & SDN-SERIES JACKS & DJS-SERIES JACK STANDS.



SDS-150/200N



SDLC LOAD CAP



EXTENSION 100 - 500 mm

Model Number	Capacity (ton)	Description	A Diameter (mm)	B Height (mm)	Spigot Depth (mm)	Spigot Diameter (mm)	Weight (kg)	Suits Model(s)
SDE100-100	70/100	100 mm Extension	126	100	60	50	7	SDL/SDN 70 - 100 ton
SDE100-150	70/100	150 mm Extension	126	150	60	50	7	
SDE100-200	70/100	200 mm Extension	126	200	60	50	7	
SDE100-300	70/100	300 mm Extension	126	300	60	50	13	
SDE100-400	70/100	400 mm Extension	126	400	60	50	13	
SDLC-100	70/100	Serrated Steel Load Cap*	112	22	60	50	3	
SDS-100N	70/100	Serrated Tilt Saddle	108	50	60	50	5	
SDE150-150	150	150 mm Extension	126	150	60	50	7	SDL/SDN 150 ton & DJS Stands
SDE150-200	150	200 mm Extension	126	200	60	50	7	
SDE150-250	150	250 mm Extension	126	250	60	50	7	
SDE150-300	150	300 mm Extension	126	300	60	50	13	
SDE150-350	150	350 mm Extension	141	350	60	50	13	
SDLC-150	150	Serrated Steel Load Cap*	126	22	60	50	3	
SDS-150/200N	150/200	Serrated Tilt Saddle	126	59	60	50	5	SDL/SDN 150 - 200 ton & DJS Stands
SDE200-100	200	100 mm Extension	141	100	60	50	8	SDL/SDN 200 ton & DJS Stands
SDE200-150	200	150 mm Extension	141	150	60	50	8	
SDE200-200	200	200 mm Extension	141	200	60	50	15	
SDE200-300	200	300 mm Extension	141	300	60	50	15	
SDE200-400	200	400 mm Extension	141	400	60	50	15	
SDE200-500	200	500 mm Extension	141	500	60	50	15	
SDLC-200	200	Serrated Steel Load Cap*	126	22	60	50	4	

* Supplied as standard
Custom load caps are available - consult Durapac



SERRATED STEEL LOAD CAP
included as standard

ALUMINIUM 7075
manufactured with hard anodising

OPTIONAL SERRATED TILT SADDLE
5° maximum tilt to minimise side loading

KNURLED FINISH
provides anti slip grip for better handling

BOLT ON CARRY HANDLE
for easy handling and carrying



CAPACITY RANGE
70 - 200 ton
HEIGHT RANGE
15 - 500 mm

WARNING...
Do not stack extensions

SERRATED STEEL LOAD CAP
included as standard



CARRY HANDLE INCLUDED
made from high strength aluminium

U-RINGS
for mechanical load support

Radius saddles available - consult Durapac



Model Number	Capacity (ton)	Description	Height (mm)	Weight (kg)	Suits Model(s)
SDNU-100-15	100	15 mm U-ring	15	0.6	SDN 100 ton
SDNU-100-25	100	25 mm U-ring	25	0.9	
SDNU-100-75	100	75 mm U-ring	75	2.8	
SDNU-100-100	100	100 mm U-ring	100	3.6	
SDNU-100-250	100	250 mm U-ring	250	9.0	
SDNU-200-15	150/200	15 mm U-ring	15	Consult Durapac	SDN 150 - 200 ton
SDNU-200-25	150/200	25 mm U-ring	25		
SDNU-200-75	150/200	75 mm U-ring	75		
SDNU-200-100	150/200	100 mm U-ring	100		
SDNU-200-250	150/200	250 mm U-ring	250		

THE **SYNCMASTER** IS AN ADVANCED HYDRAULIC SYSTEM DESIGNED FOR PRECISION LIFTING AND SYNCHRONIZATION. IT OFFERS A RELIABLE, EFFICIENT SOLUTION FOR HEAVY LIFTING APPLICATIONS THAT REQUIRE PRECISE CONTROL OVER MUTIPLE LIFTING POINTS.

With its cutting-edge technology, the syncMASTER ensures loads are raised evenly and safely, minimising the risk of damage or accidents. It is ideal for use in industries such as construction, mining, and infrastructure, where heavy machinery or structures need to be lifted with precision. The system is user-friendly, providing real-time feedback and control, ensuring accuracy and safety throughout the process. Its robust design guarantees durability and performance, making it a trusted choice for demanding lifting tasks.



DSM-40312

AUSTRALIAN MADE

Australian designed and built

Model No.	Hydraulic Outlets A & B Ports	Motor (kW)	Voltage	Amps	Flow Rate (Lpm)	Max. Pressure Rating (bar)	Usable Oil Capacity (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
DSM4034	4	4.0	400 Volt, 50 Hz, 3 Phase **OR** 440-480 Volt, 60 Hz, 3 Phase	8.85	2.4	700	300	620	1,120 x 1,210 x 1,350
DSM4038	8	4.0		8.85	2.4	700	300	700	1,120 x 1,210 x 1,350
DSM7548	8	7.5		13.40	4.8	700	500	950	1,120 x 1,210 x 1,485
DSM40312	12	4.0*		8.85	2.4	700	300**	780	1,120 x 1,210 x 1,350
DSM40316	16	4.0*		8.85	2.4	700	300**	860	1,160 x 1,210 x 1,350
DSM40320	20	4.0*		8.85	2.4	700	300	940	1,120 x 1,210 x 1,350

* 7.5 kW option available
** 500 L option available

WIFI ENABLED

REMOTE TECH LOGIN
the latest RTL for support, monitoring & auto email alerts

INCLINED PLC AND JOYSTICK
for ease of operation

EMERGENCY STOP
located directly above the touchscreen

EXTERNAL USB PORT
allows data to be downloaded for analysis and storage

17" INTEGRATED TOUCHSCREEN
with built in computer





NUMBER OF LIFTING POINTS
1 - 320

ACCURACY
0.5 mm

MAXIMUM OPERATING PRESSURE
700 bar

MODULAR DESIGN
can be configured with 4, 8, 12, 16 or 20 lifting points per block

LIFTING POINTS
for sling use

CONTROL VALVES
allow precise flow control using high cycle, high speed solenoid valves

HYDRAULIC OUTLETS
control either single or double acting cylinders with up to 20 outlets

300 L OR 500 L
usable oil capacity with return line filter

POWDER COATED
components enhance the appearance and reduce corrosion

MAINTAIN CONNECTION
hydraulic hoses can stay connected while covers are reattached



METRIC OR IMPERIAL
screen display option

LOCKABLE
for security

RIGID STEEL FRAME
made from 50 mm rolled hollow section (RHS) for extra strength

DATA CABLES
use military and DIN fittings

EXTERNAL COVERS
are easily removed

LIFTING POINTS
for forklift

FLEXIBLE TO EACH APPLICATION
cylinders can be changed to best suit the application

STROKE TRANSDUCERS
achieve precise positional control by combining high precision linear transducers with high speed counter cards



Australian designed and built



REMOTE OPERATION

Use a tablet or mobile phone &/or joystick to operate and monitor remotely.





INTEGRATED TOUCHSCREEN

17" full colour touchscreen withstands harsh environments. Toughened glass makes it both scratch and cut resistant.



VARIABLE FLOW CONTROL

Variable frequency drive motor gives a wider pump flow range. This is controlled by a joystick controller that governs flow and directional control of the hydraulic cylinders.



CONTROL VALVES

High cycle, high speed solenoid valves allow precise flow control. All valves are leak free and have a 100% duty cycle.



PRESSURE TRANSDUCERS

Monitor load conditions at each lift point for maximum safety. Optional load cells are available for high precision weighing operations.



STROKE TRANSDUCERS

High precision 40 pulses per mm linear transducers combined with high speed counter cards achieve precise positional control. Various stroke transducers are available including internal cylinder design. Optional tilt meters are also available.



ADJUSTABLE FLOW CONTROL VALVES

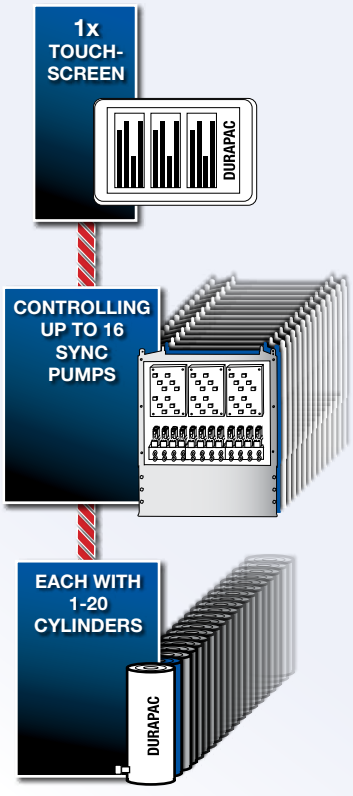
Controls the flow during decent and can be preset and locked.

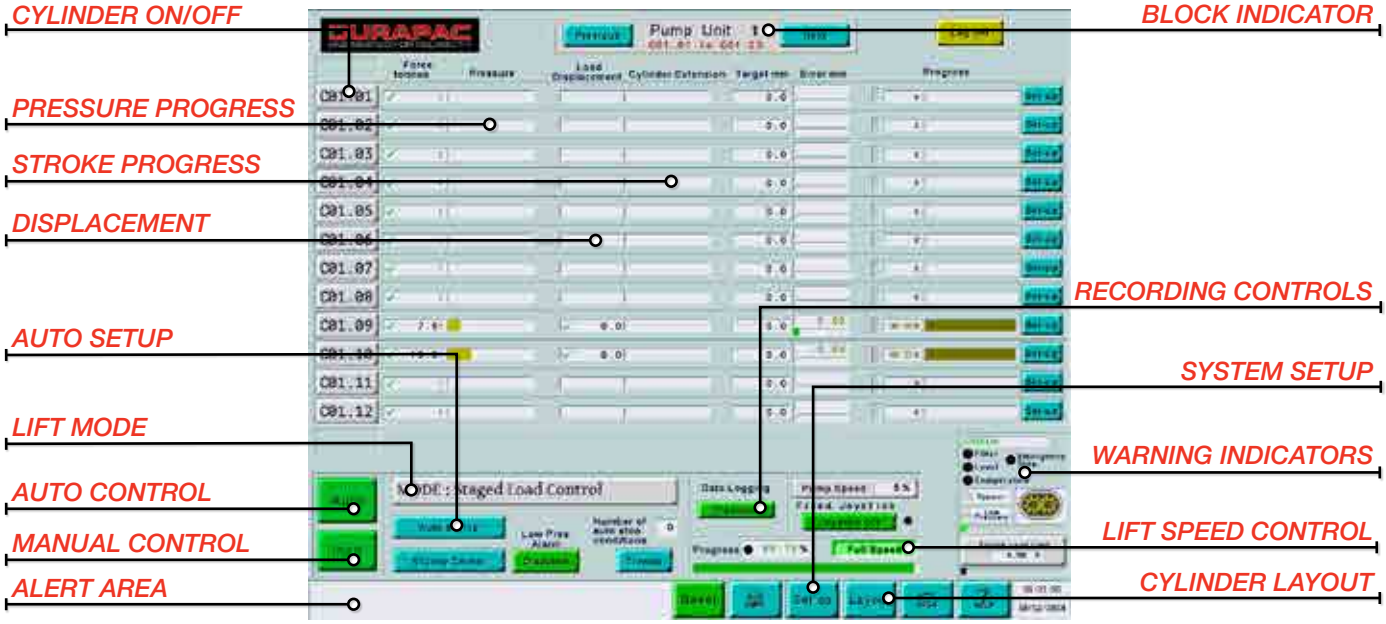


LIFT MONITORING AND DATA STORAGE

Full pressure and displacement data presentation are available on screen to monitor the lift in real time. Lift data are stored and able to be downloaded in a format suitable for importing into Excel for further analysis and record keeping. This gives a permanent record of the displacement and load on every cylinder at defined time intervals.

One touchscreen can control 1 - 16 sync pumps which can each power 1 - 20 cylinders. Creating a total potential of 320 lift points





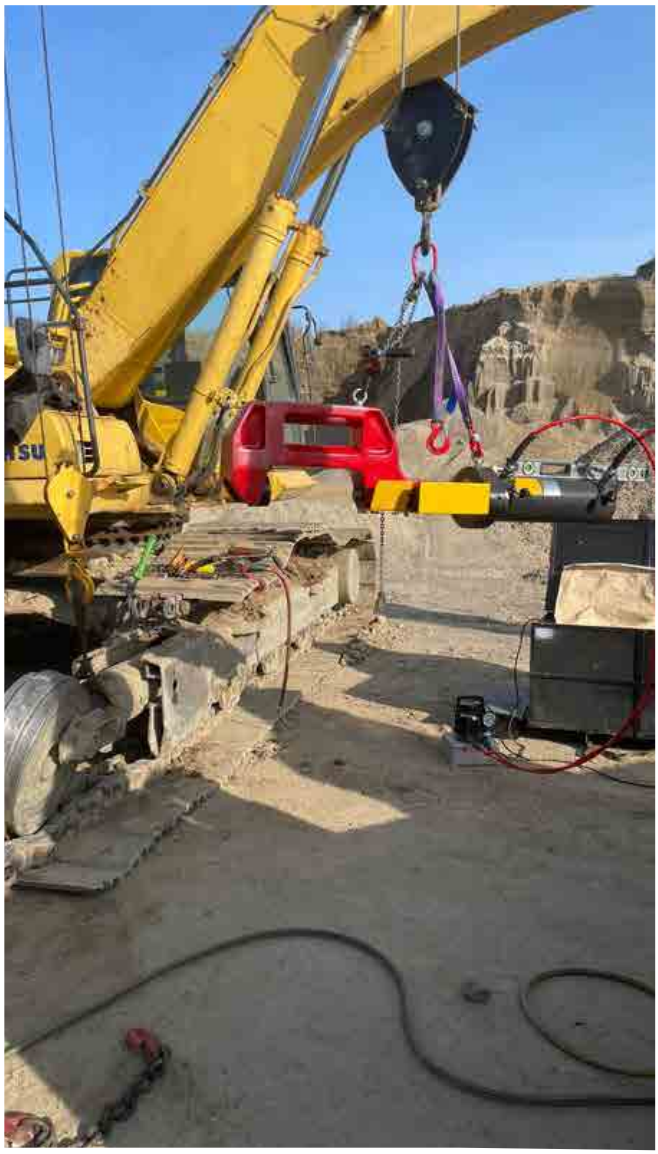
STANDARD INCLUSIONS

- Pressure transducers
- Analogue pressure gauge
- Adjustable pressure relief valves (Adv. & Ret.)
- Oil temperature alarm
- Oil filter alarm
- Emergency stop
- 17" full colour integrated touchscreen
- Flow control valves
- Powder coated finish

OPTIONAL ITEMS

- Externally mounted stroke encoder
- Internally mounted stroke encoder
- Dual encoder inputs per lift point
- Remote tablet & joystick for full function remote control
- Remote tech login (RTL) for support, monitoring & auto email alerts





THE **TTP-SERIES** TRACK LINK PIN PUSHER & INSTALLER IS SPECIALLY DESIGNED FOR TRACKED MACHINES, TRACTORS, LOADERS, SHOVELS, EXCAVATORS, ETC. IT IS SUITABLE TO USE WITH MOST MODERN MACHINES INCLUDING JCB, CATERPILLAR, KOMATSU AND POCLAIN MANUFACTURED TRACK MACHINES.

This portable track pin press makes it possible to disassemble and reassemble chain sections, driving wheels, pulleys, rollers, gears, bearings and shafts in the field or workshop. Every Track Pin Press includes standard tooling sets, the 700 bar cylinder, C-Frame, safety guards and lifting eyebolts, 20 T x 12 mm stroke flat jack, set of hand tools, cylinder seal kit, chain lever hoist, and lifting slings. The chain lever hoist and lifting slings are used to assist in the positioning of the Pin Press during operation in the field. Included is a wooden carry case with separate compartments for every pin set. Each tooling set has the dimensions engraved on them accordingly.



TTP-100

Model No.	Capacity (ton)	Stroke (mm)	Pressure Rating (bar)	Effective Area (cm^2)	Oil Capacity (cc)	A Daylight Opening (mm)	B Throat Depth (mm)	C Assembly Length (mm)	D Assembly Height (mm)	E Assembly Width (mm)	No. Tooling Sets	Weight (kg)*
TTP-50	**50**	**250**	700	70.88	1,772	273	65	1,400	320	270	4	85
TTP-100	**100**	**350**	700	132.70	4,645	345	85	1,750	435	305	10	205
TTP-150	**150**	**350**	700	213.80	7,484	420	100	2,103	533	410	8	372
TTP-200	**200**	**350**	700	283.50	9,923	455	110	2,245	598	460	10	630

*Frame & Cylinder Assembly

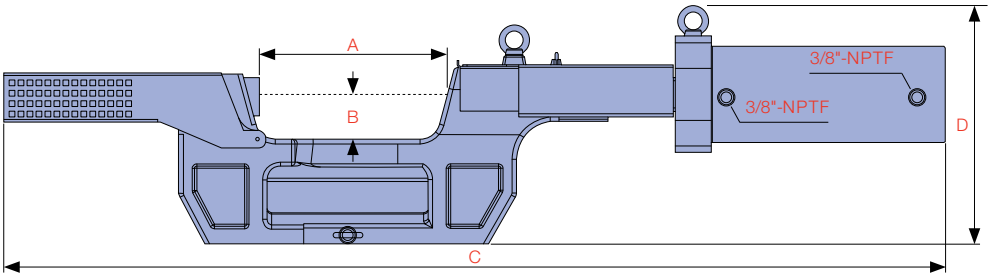


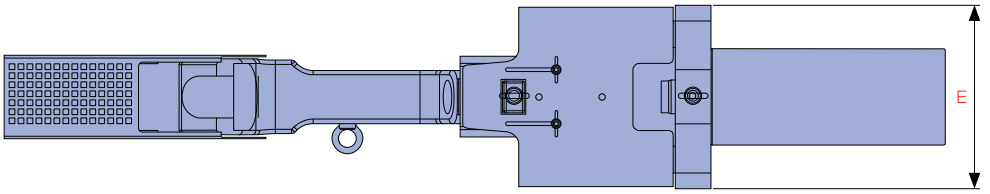


CAPACITY RANGE
50 - 200 ton

STROKE RANGE
250 - 350 mm

MAXIMUM OPERATING PRESSURE
700 bar



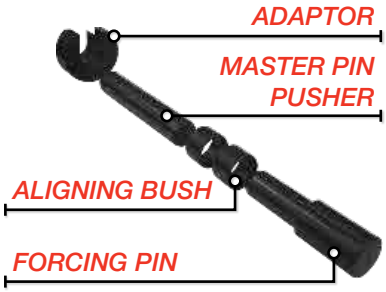


STANDARD INCLUDED TOOLING SETS

TTP-50	TTP-100	TTP-150		TTP-200
Track Pin Diameter (mm)	Track Pin Diameter (mm)	Track Pin Diameter (mm)		Track Pin Diameter (mm)
19.3 - 23.7	19.3 - 23.7	**Optional	22.0 - 30.1	36.4 - 39.6
23.7 - 30.1	23.7 - 30.1		30.1 - 33.4	39.6 - 42.8
30.1 - 33.2	30.1 - 33.2		33.4 - 38.1	42.8 - 45.9
33.2 - 36.4	33.2 - 36.4		38.1 - 41.9	45.9 - 52.3
	36.4 - 39.6		41.9 - 45.7	52.3 - 58.6
	39.6 - 42.8		45.7 - 50.8	58.6 - 60.2
	42.8 - 45.9		50.8 - 53.8	60.2 - 63.3
	45.9 - 52.3		53.8 - 57.1	63.3 - 66.6
	52.3 - 58.6		57.1 - 60.3	66.6 - 70.0
	58.6 - 60.2		60.3 - 63.3	70.0 - 73.9
			63.3 - 66.6	
			66.6 - 70.0	

**Optional tooling set TTP-150 small pin group

TYPICAL TOOLING SET



The optional small pin group set allows the TTP-150 unit to be used on smaller diameter pins. To order, use TTP-150-SPGS

PUMP SELECTION CHART

Pump / Power Unit Model No.	Description	TTP-50	TTP-100	TTP-150	TTP-200
 P-2800D	Hand Pump	✓	✓		
 SPEM45054L SPEM45054L-115V*	230V (or 115V), 50/60 Hz, 1 Ph.* Electric Pump with Gauge & Remote Pendant (Standard Supply)	✓	✓		
 PEM8414 PEM8414-115V*	230V (or 115V), 50/60 Hz, 1 Ph.* Electric Pump with Gauge & Remote Pendant (Standard Supply)			✓	
 PEM8424 PEM8424-115V*	230V (or 115V), 50/60 Hz, 1 Ph.* Electric Pump with Gauge & Remote Pendant (Standard Supply) 20 L Oil Tank				✓
 DPA-40D	Air Hydraulic Pump	✓			
 DPR-174	Air Hydraulic Pump	✓	✓	✓	✓
 PPM2014	Petrol Pump	✓	✓	✓	✓

Durapac 700 bar power units are compatible with a wide range of hydraulic tools such as jacking cylinders, bearing separators and other hydraulic maintenance tools

*Standard motor supplied is 230V, should 115V be required; add "-115V" to the end of the model number

Accessory Model No.	Description	TTP-50	TTP-100	TTP-150	TTP-200
 HPS-0603CR	3 M Red Hose with CH-6 Male Coupling one end and 3/8"-NPT Male thread at the other end. (2 required, 2 x HPS-0603CR should be ordered)	✓	✓	✓	✓
 HPS-0606CR	6 M Red Hose with CH-6 Male Coupling one end and 3/8"-NPT Male thread at the other end. (2 required, 2 x HPS-0606CR should be ordered)	✓	✓	✓	✓
 FGA-18 + PG-63**	Gauge Adaptor (3/8"-NPT male x 3/8"-NPT female x 1/4"-NPT female) plus Pressure Gauge (63 mm diam. 0-1,000 bar / 0-14,500 psi 1/4"-NPT male	✓	✓	✓	✓

**Option not required when using PEM8414, PEM8424 or SPEM4505L - these models come standard with a Pressure Gauge













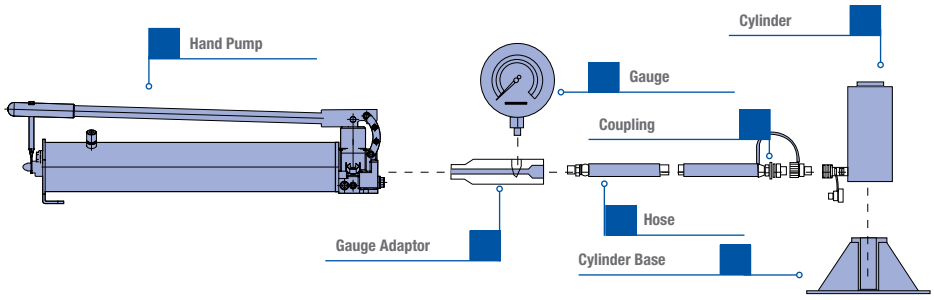
TTP-100 COMPLETE KIT

DURAPAC

BASIC HYDRAULIC SYSTEMS

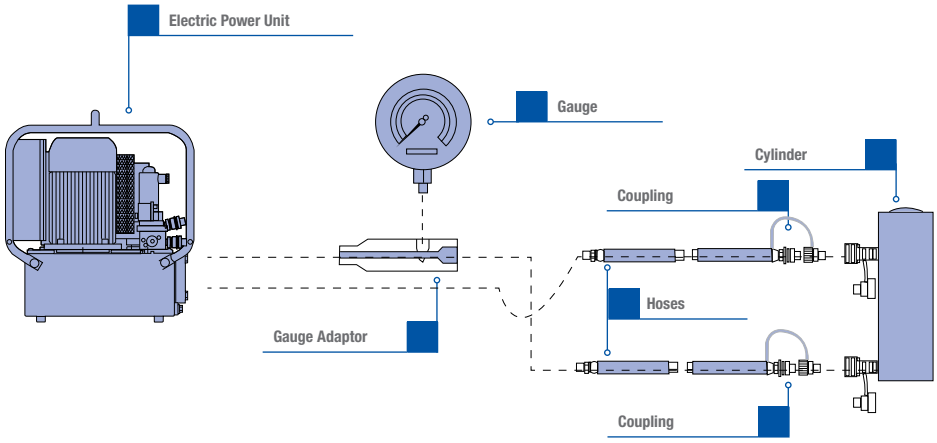
1 MANUAL POWERED SYSTEM

Single acting manual hand pump jacking system



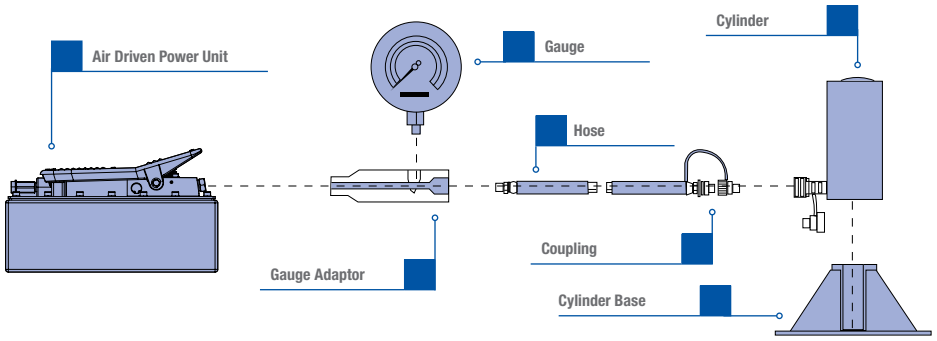
2 ELECTRIC POWERED SYSTEM

Double acting jacking system with power unit



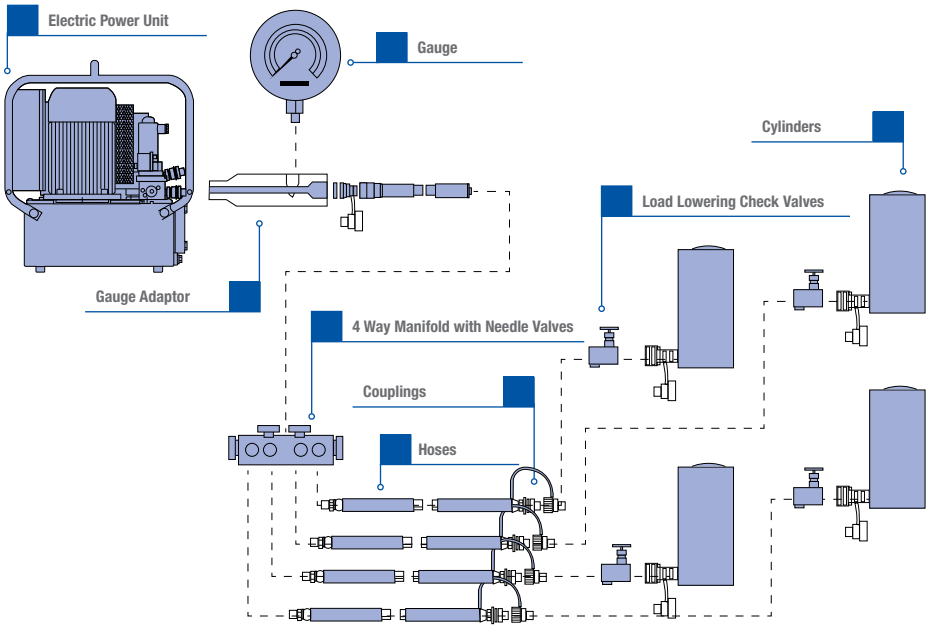
3 AIR POWERED SYSTEM

Single acting air driven jacking system



4 ELECTRIC POWERED SYSTEM

Single acting jacking system with 4 way manifold and load lowering check valves



	STROKE RANGE 16 - 362 mm CAPACITY RANGE 5 - 100 ton	The RG-Series is a general purpose spring return cylinder designed for use in production, maintenance, jacking and fabrication applications.	RG | SERIES	28
	STROKE RANGE 6 - 16 mm CAPACITY RANGE 5 - 150 ton	The RFJ-Series is a spring return, compact flat cylinder designed for use in narrow spaces and areas with low overhead clearance.	RFJ | SERIES	32
	STROKE RANGE 38 - 62 mm CAPACITY RANGE 10 - 100 ton	The RLP-Series is a single acting spring return low profile cylinder. Its compact design combines maximum stroke with low collapsed height.	RLP | SERIES	34
	STROKE RANGE 50 - 100 mm CAPACITY RANGE 150 - 200 ton	The RJ-Series is a single acting spring return cylinder. It is ideally suited to jacking, testing, weighing and general maintenance applications.	RJ | SERIES	36
	STROKE RANGE 8 - 155 mm CAPACITY RANGE 12 - 100 ton	The RHS-Series is a single acting spring return hollow piston rod cylinder.	RHS | SERIES	38
	STROKE RANGE 38 - 258 mm CAPACITY RANGE 30 - 300 ton	The RHD-Series is a double acting hollow piston rod cylinder.	RHD | SERIES	40
	STROKE RANGE 45 - 50 mm CAPACITY RANGE 60 - 500 ton	The RPLC-Series is a load return pancake locking collar cylinder. It is a compact design that features a threaded piston rod and lock ring.	RPLC | SERIES	42
	STROKE RANGE 50 - 300 mm CAPACITY RANGE 50 - 1,000 ton	The RSLC-Series is a single acting high tonnage load return locking collar cylinder.	RSLC | SERIES	44
	STROKE RANGE 50 - 250 mm CAPACITY RANGE 20 - 200 ton	The AC-Series is a single acting lightweight high strength spring return aluminium cylinder.	AC | SERIES	48
	STROKE RANGE 50 - 150 mm CAPACITY RANGE 20 - 100 ton	The ACHS-Series is a single acting spring return hollow piston rod aluminium cylinder.	ACHS | SERIES	50
	STROKE RANGE 75 - 250 mm CAPACITY RANGE 30 - 100 ton	The ACHD-Series is a double acting hollow piston rod aluminium cylinder.	ACHD | SERIES	52
	STROKE RANGE 100 - 250 mm CAPACITY RANGE 20 - 200 ton	The ACD-Series is a double acting lightweight aluminium cylinder.	ACD | SERIES	54
	STROKE 150 mm CAPACITY RANGE 30 - 200 ton	The ACSLC-Series is a single acting spring return locking collar aluminium cylinder.	ACSLC | SERIES	56
	STROKE 150 mm CAPACITY RANGE 10 - 50 ton	The RAP-Series is a lightweight spring return aluminium pull cylinder used in steel structural works, ship building and tower tensioning.	RAP | SERIES	58
	STROKE RANGE 57 - 1,219 mm CAPACITY RANGE 10 - 500 ton	The RD-Series is a double acting versatile and heavy duty cylinder for use in industrial applications requiring high power and precision.	RD | SERIES	60
	STROKE RANGE 29 - 260 mm CAPACITY RANGE 4 - 25 ton	The RDP-Series is a high precision, double acting cylinder for use in applications where its unique mounting configurations simplify installation.	RDP | SERIES	64
	STROKE RANGE 50 - 300 mm CAPACITY RANGE 50 - 1,600 ton	The RDHG-Series is a double acting high tonnage cylinder range up to 1,600 ton capacity. For use in high load applications.	RDHG | SERIES	66
	STROKE RANGE 50 - 300 mm CAPACITY RANGE 50 - 1,000 ton	The RSHG-Series is a single acting load return high tonnage cylinder range up to 1,000 ton capacity.	RSHG | SERIES	70
	STROKE RANGE 50 - 300 mm CAPACITY RANGE 50 - 1,000 ton	The RSH-Series is a single acting load return high tonnage cylinder offering the lowest collapsed height.	RSH | SERIES	74
	CAPACITY RANGE 5 - 30 ton	Cylinder stack plate kits are an effective economical solution where an extra increase in closed height is desirable.	CSK | SERIES	78
			CYLINDER ACCESSORIES	79

RG SERIES

DURAPAC

SINGLE ACTING COLLAR THREAD CYLINDERS

THE **RG-SERIES** IS A GENERAL PURPOSE SPRING RETURN CYLINDER DESIGNED FOR USE IN PRODUCTION, MAINTENANCE, JACKING AND FABRICATION APPLICATIONS.

All RG-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance. When combined with bronze overlay on the piston bearing area and low friction surface treatment on the gland nut, this cylinder is suitable for demanding applications. Cylinder body mounting threads and base mounting holes are included on most models. Optional TSX tilt saddles are available for all models from RG-102 to RG-10010.



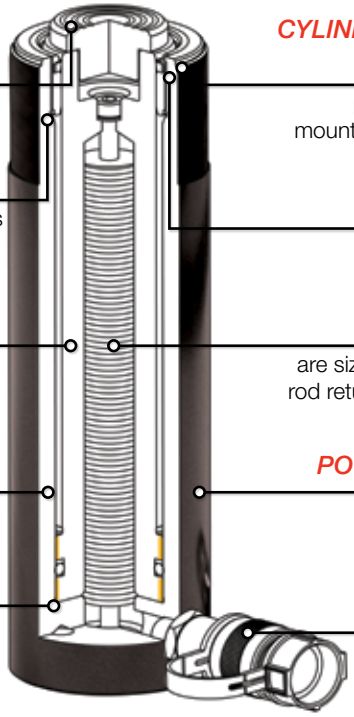
HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

GLAND NUT
with low friction coating withstands full dead end loading

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life



CYLINDER BODY MOUNTING THREADS
piston rod threads and base mounting holes permit easy fixture

PISTON ROD WIPER
reduces contaminants

RETURN SPRINGS
are sized to ensure efficient piston rod return and maximum spring life

POWDER COATED FINISH
enhances appearance and reduces corrosion

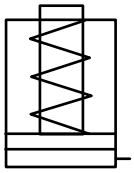
PARKER
industry standard high flow coupling for compatibility



CAPACITY RANGE
5 - 100 ton

STROKE RANGE
16 - 362 mm

MAXIMUM OPERATING PRESSURE
700 bar



Durapac offer a range of piston and base attachments to suit the ***RG-Series*** cylinders. Refer to Cylinder Accessories for more details



26 POINT TANK JACKING SYSTEM

MOUNTING BLOCKS



BASE AND PISTON CLEVISES

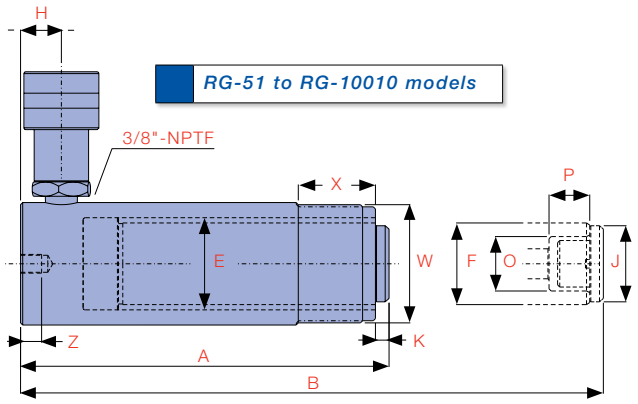


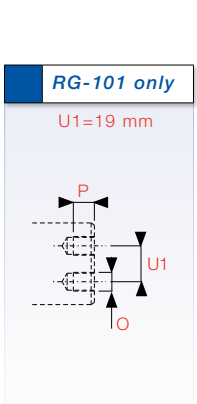
JACKING BASES

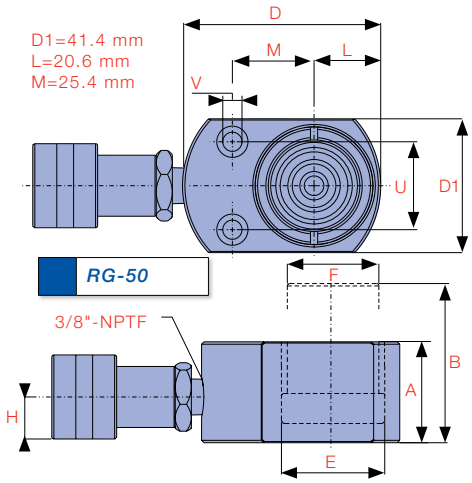


DURAPAC

SINGLE ACTING COLLAR THREAD CYLINDERS

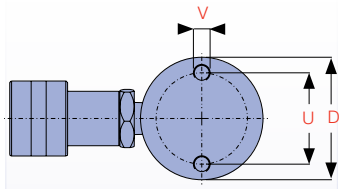






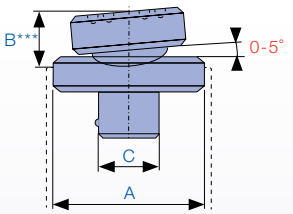
Model Number	Cylinder Capacity ton* / kN	Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)
RG-50	5	45	16	6.5	10	41	57	58	28.7	25.4	19	**	**
RG-51		45	25	6.5	16	110	135	38	28.7	25.4	19	25	6
RG-53		45	76	6.5	49	165	241	38	28.7	25.4	19	25	6
RG-55		45	127	6.5	82	215	342	38	28.7	25.4	19	25	6
RG-57		45	177	6.5	114	273	450	38	28.7	25.4	19	25	6
RG-59		45	232	6.5	150	323	555	38	28.7	25.4	19	25	6
RG-101	10	101	26	14.5	38	89	115	57	42.9	38.1	19	-	-
RG-102		101	54	14.5	78	121	175	57	42.9	38.1	19	35	6
RG-104		101	105	14.5	152	171	276	57	42.9	38.1	19	35	6
RG-106		101	156	14.5	226	247	403	57	42.9	38.1	19	35	6
RG-108		101	203	14.5	294	298	501	57	42.9	38.1	19	35	6
RG-1010		101	257	14.5	372	349	606	57	42.9	38.1	19	35	6
RG-1012		101	304	14.5	440	400	704	57	42.9	38.1	19	35	6
RG-1014		101	356	14.5	515	450	806	57	42.9	38.1	19	35	6
RG-151	15	142	25	20.3	51	124	149	69	50.8	41.4	19	38	9
RG-152		142	51	20.3	103	149	200	69	50.8	41.4	19	38	9
RG-154		142	101	20.3	205	200	301	69	50.8	41.4	19	38	9
RG-156		142	152	20.3	308	271	423	69	50.8	41.4	25	38	9
RG-158		142	203	20.3	411	322	525	69	50.8	41.4	25	38	9
RG-1510		142	254	20.3	515	373	627	69	50.8	41.4	25	38	9
RG-1512		142	305	20.3	618	423	728	69	50.8	41.4	25	38	9
RG-1514		142	356	20.3	721	474	830	69	50.8	41.4	25	38	9
RG-251	25	232	26	33.2	86	139	165	85	65.0	57.2	25	50	10
RG-252		232	50	33.2	166	165	215	85	65.0	57.2	25	50	10
RG-254		232	102	33.2	339	215	317	85	65.0	57.2	25	50	10
RG-256		232	158	33.2	524	273	431	85	65.0	57.2	25	50	10
RG-258		232	210	33.2	697	323	533	85	65.0	57.2	25	50	10
RG-2510		232	261	33.2	866	374	635	85	65.0	57.2	25	50	10
RG-2512		232	311	33.2	1032	425	736	85	65.0	57.2	25	50	10
RG-2514		232	362	33.2	1205	476	838	85	65.0	57.2	25	50	10
RG-308	30	295	209	42.1	878	387	596	101	73.2	57.2	57	50	10
RG-502	50	498	51	71.2	363	176	227	127	95.3	79.5	33	71	2
RG-504		498	101	71.2	719	227	328	127	95.3	79.5	33	71	2
RG-506†		498	159	71.2	1,132	282	441	127	95.3	79.5	35	71	2
RG-5013		498	337	71.2	2,400	460	797	127	95.3	79.5	35	71	2
RG-756	75	718	156	102.6	1,600	285	441	146	114.3	95.3	30	71	5
RG-7513		718	333	102.6	3,415	492	825	146	114.3	95.3	30	71	5
RG-1004	100	933	102	133.3	1,354	205	306	177	130.3	104.9	30	71	2
RG-1006		933	168	133.3	2,239	357	525	177	130.3	104.9	41	71	2
RG-1008		933	203	133.3	2,708	357	560	177	130.3	104.9	41	71	2
RG-10010		933	260	133.3	3,465	449	709	177	130.3	104.9	41	71	2

* Nominal Cylinder Capacity in ton - see kN values for actual capacity
** RG-50 Cylinder has non-removable grooved load cap and no collar thread
† RG-506 cylinder will not fit into jacking base without welded handle being removed

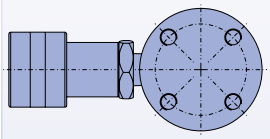


RG-51 to RG-5013 models



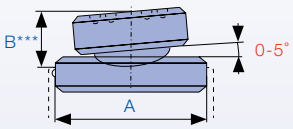


TSX-10, 50



RG-1006 and RG-10010 models





TSX-100

O Piston Rod Internal Thread	P Piston Rod Thread Length (mm)	Base Mounting Holes			W Collar Thread	X Collar Thread Length (mm)	Weight (kg)	Optional Tilt Saddle				Model Number	Handle Type
		U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)				Model Number	A (mm)	B*** (mm)	C (mm)		
**	**	28	5.6mm HOLE	-	-	-	1.0	-	-	-	-	RG-50	
3/4"-16UNF	14	25	1/4"-20UNC	14	1-1/2"-16UN	28	1.0	-	-	-	-	RG-51	
3/4"-16UNF	14	25	1/4"-20UNC	14	1-1/2"-16UN	28	1.5	-	-	-	-	RG-53	
3/4"-16UNF	14	25	1/4"-20UNC	14	1-1/2"-16UN	28	1.9	-	-	-	-	RG-55	
3/4"-16UNF	16	25	1/4"-20UNC	14	1-1/2"-16UN	28	2.4	-	-	-	-	RG-57	
3/4"-16UNF	16	25	1/4"-20UNC	14	1-1/2"-16UN	28	2.8	-	-	-	-	RG-59	
#10-24UNC	6	39	5/16"-18UNC	12	2-1/4"-14UN	26	1.8	-	-	-	-	RG-101	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	2.3	TSX-10	35	20	22	RG-102	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	3.3	TSX-10	35	20	22	RG-104	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	4.4	TSX-10	35	20	22	RG-106	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	5.4	TSX-10	35	20	22	RG-108	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	6.4	TSX-10	35	20	22	RG-1010	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	6.8	TSX-10	35	20	22	RG-1012	
1"-8UNC	19	39	5/16"-18UNC	12	2-1/4"-14UN	26	8.2	TSX-10	35	20	22	RG-1014	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	3.3	TSX-10	35	20	22	RG-151	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	4.1	TSX-10	35	20	22	RG-152	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	5.0	TSX-10	35	20	22	RG-154	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	6.8	TSX-10	35	20	22	RG-156	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	8.2	TSX-10	35	20	22	RG-158	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	9.5	TSX-10	35	20	22	RG-1510	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	10.9	TSX-10	35	20	22	RG-1512	
1"-8UNC	25	47	3/8"-16UNC	12	2-3/4"-16UN	30	11.8	TSX-10	35	20	22	RG-1514	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	5.9	TSX-50	50	21	36	RG-251	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	6.4	TSX-50	50	21	36	RG-252	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	8.2	TSX-50	50	21	36	RG-254	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	10.0	TSX-50	50	21	36	RG-256	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	12.2	TSX-50	50	21	36	RG-258	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	14.1	TSX-50	50	21	36	RG-2510	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	16.3	TSX-50	50	21	36	RG-2512	
1-1/2"-16UN	25	58	1/2"-13UNC	19	3-5/16"-12UN	49	17.7	TSX-50	50	21	36	RG-2514	
1-1/2"-16UN	25	-	-	-	3-5/16"-12UN	49	18.1	TSX-50	50	21	36	RG-308	
-	-	95	1/2"-13UNC	19	5"-12UN	55	15.0	TSX-100	71	25	-	RG-502	
-	-	95	1/2"-13UNC	19	5"-12UN	55	19.1	TSX-100	71	25	-	RG-504	♠
-	-	95	1/2"-13UNC	19	5"-12UN	55	23.1	TSX-100	71	25	-	RG-506	♣
-	-	95	1/2"-13UNC	19	5"-12UN	55	37.6	TSX-100	71	25	-	RG-5013	♦
-	-	-	-	-	5-3/4"-12UN	44	29.5	TSX-100	71	25	-	RG-756	♦
-	-	-	-	-	5-3/4"-12UN	44	59.0	TSX-100	71	25	-	RG-7513	♦
-	-	-	-	-	6-7/8"-12UN	44	33.1	TSX-100	71	25	-	RG-1004	♣
-	-	139	3/4"-10UNC	25	6-7/8"-12UN	44	59.0	TSX-100	71	25	-	RG-1006	♦
-	-	139	3/4"-10UNC	25	6-7/8"-12UN	44	61.0	TSX-100	71	25	-	RG-1008	♦
-	-	139	3/4"-10UNC	25	6-7/8"-12UN	44	72.6	TSX-100	71	25	-	RG-10010	♦

HANDLE TYPES: ♣ WELDED ♦ EYEBOLT ♠ THREAD

*** Total cylinder collapsed height with optional tilt load cap equals (dim. A - dim. K + dim. B)

RFJ SERIES

DURAPAC

SINGLE ACTING LOW HEIGHT FLAT CYLINDERS

THE **RFJ-SERIES** IS A SPRING RETURN, COMPACT FLAT CYLINDER DESIGNED FOR USE IN NARROW SPACES AND AREAS WITH LOW OVERHEAD CLEARANCE.

They can be used in maintenance, machinery levelling, construction and mining applications. All RFJ-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to resist side load induced damage. Mounting holes are standard on all models and a grooved piston rod end improves load grip. For applications requiring extra closed height flexibility the RFJ stack plate kits from 5-30 ton capacity are the perfect tool.



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
RFJ-50	5	45	6	6.5	4	32	38	58 x 41	28.7	25.4	16
RFJ-100	10	101	12	14.5	17	43	55	82 x 55	42.9	38.1	19
RFJ-200	20	201	11	28.7	32	51	62	101 x 76	60.5	50.8	19
RFJ-300	30	295	13	42.1	55	58	71	117 x 95	73.2	63.4	19
RFJ-500	50	435	16	62.1	99	66	82	140 x 114	88.9	69.8	19
RFJ-750	75	718	16	102.6	164	79	95	165 x 139	114.3	82.6	19
RFJ-1000	100	887	16	126.7	203	85	101	178 x 153	127.0	92.2	19
RFJ-1500	150	1,386	16	198.1	317	100	116	215 x 190	158.8	114.3	23

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

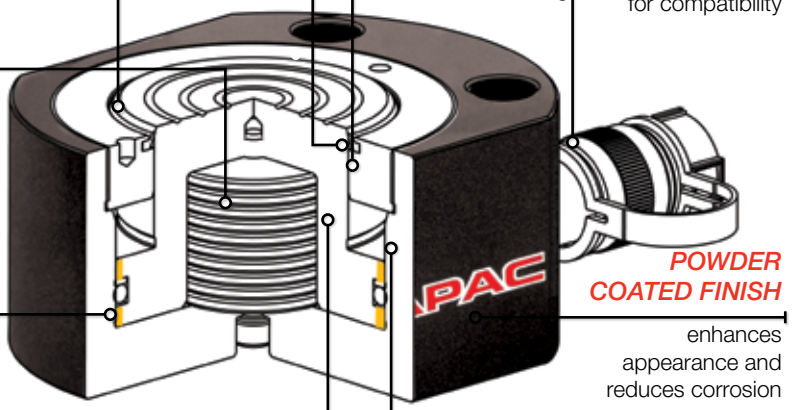
HARDENED GROOVED PISTON ROD END
enhances load grip

PISTON ROD WIPER
reduces contaminants

GLAND NUT
with low friction coating withstands full dead end loading

PARKER
industry standard high flow coupling for compatibility

RETURN SPRING
is sized to ensure efficient piston rod return and maximum spring life



BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life

POWDER COATED FINISH
enhances appearance and reduces corrosion

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

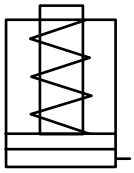
HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life



CAPACITY RANGE
5 - 150 ton

STROKE RANGE
6 - 16 mm

MAXIMUM OPERATING PRESSURE
700 bar

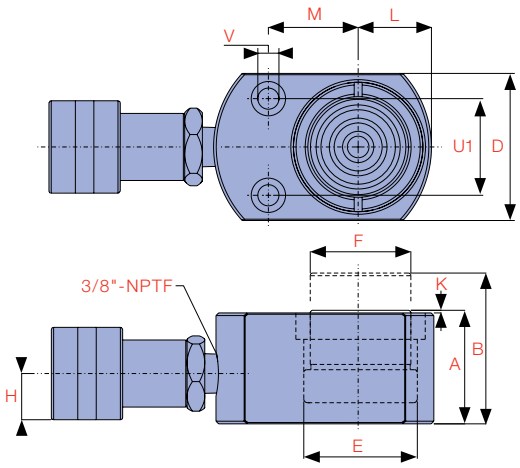


RFJ-50 is supplied with a whip hose and CR-6 high flow coupling



Durapac offer a range of stack plate kits from 5-30 ton capacity for an extra boost in collapsed height. Refer to CSK-Series for more details





K Load cap Protrusion from Cylinder Body (mm)	L Piston Rod to Body (mm)	M Piston Rod to Mounting Hole (mm)	Base Mounting Holes				Weight (kg)	Model Number	Handle Type
			U1 Hole Pitch (mm)	V Hole Diameter (mm)	Counter Bore Diameter (mm)	Counter Bore Depth (mm)			
1	20	22	28.5	5.5	7.9	4.3	1.0	RFJ-50	
1	27	34	36.6	7.1	10.7	7.9	1.4	RFJ-100	
1	39	39	49.3	10.0	15.1	9.9	3.1	RFJ-200	
2	47	44	52.3	10.0	15.9	11.2	4.5	RFJ-300	
2	57	53	66.5	11.9	19.0	12.7	6.8	RFJ-500	
2	69	66	76.2	13.5	20.6	14.2	11.3	RFJ-750	♣
2	76	74	76.2	13.5	20.6	14.2	14.5	RFJ-1000	♣
2	95	82	117.3	13.5	20.6	14.2	26.3	RFJ-1500	♣

HANDLE TYPE: ♣ WELDED

RLP SERIES

DURAPAC

SINGLE ACTING LOW PROFILE CYLINDERS

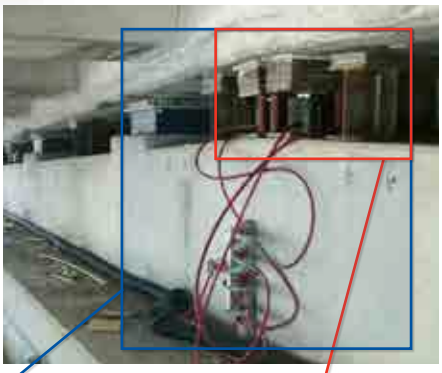
THE **RLP-SERIES** IS A SINGLE ACTING SPRING RETURN LOW PROFILE CYLINDER. ITS COMPACT DESIGN COMBINES MAXIMUM STROKE WITH LOW COLLAPSED HEIGHT.

These cylinders are commonly used in construction, mining, rail and many other industries. They are ideal for jacking, weighing, testing, levelling and general maintenance applications. All RLP-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to reduce scoring and increase service life. Optional TSL tilt saddles are available for all models.



RLP-502

RLP-302



EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS





Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
RLP-101	10	101	38	14.5	55	88	126	69	42.9	38.1
RLP-201	20	201	45	28.7	129	98	143	92	60.5	50.8
RLP-302	30	295	62	42.1	261	117	179	101	73.2	66.5
RLP-502	50	435	60	62.1	372	122	182	124	88.9	69.8
RLP-1002	100	887	57	126.7	722	141	198	165	127.0	92.2

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

POWDER COATED FINISH
enhances appearance and reduces corrosion

HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

GLAND NUT
with low friction coating withstands full dead end loading

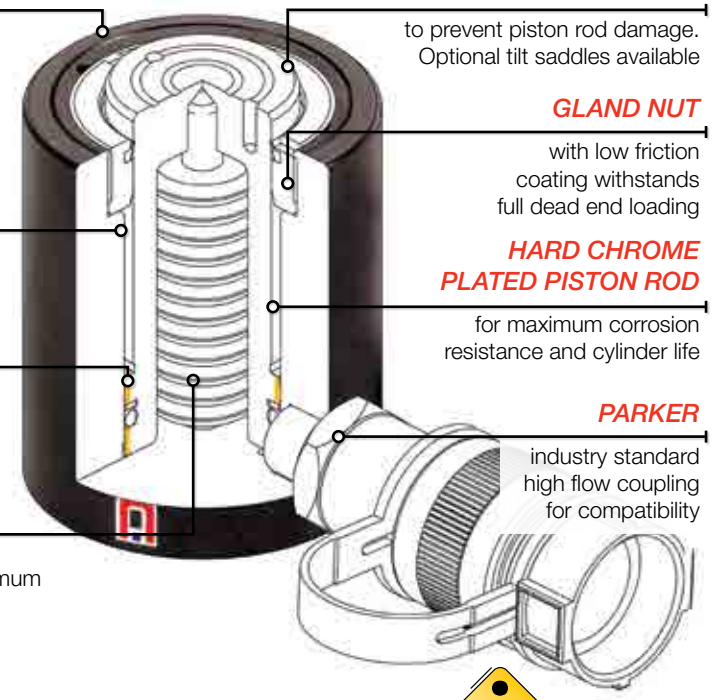
HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life

PARKER
industry standard high flow coupling for compatibility

RETURN SPRING
is sized to ensure efficient piston rod return and maximum spring life

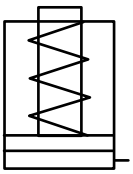




CAPACITY RANGE
10 - 100 ton

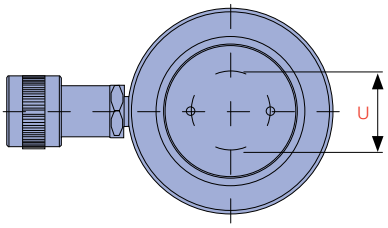
STROKE RANGE
38 - 62 mm

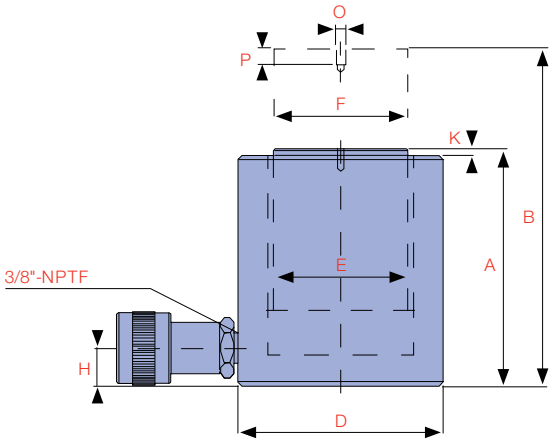
MAXIMUM OPERATING PRESSURE
700 bar

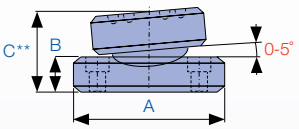


RJ-Series cylinders offer short stroke high tonnage capacities from 150 - 200 ton











H Base to Advance Port (mm)	K Load cap Protrusion from Cylinder Body (mm)	O Tilt Saddle Mounting Thread (mm)	P Tilt Saddle Mounting Thread Length (mm)	U Bolt Circle Diameter (mm)	Weight (kg)	Optional Tilt Saddle				Model Number	Handle Type
						Model Number	A (mm)	B (mm)	C** (mm)		
17	5	M4 x 0.7	8	26	2.6	TSL-10	35	11	21	RLP-101	
17	3	M5 x 0.8	8	39	5.0	TSL-20	50	15	29	RLP-201	
19	3	M5 x 0.8	8	39	6.8	TSL-20	50	15	29	RLP-302	
23	2	M5 x 0.8	8	39	10.9	TSL-20	50	15	29	RLP-502	♣
31	1	M8 x 1.25	10	55	22.7	TSL-100	71	17	35	RLP-1002	♣

HANDLE TYPE: ♣ WELDED

** C dimension equals tilt saddle protrusion from piston rod

RJ SERIES

DURAPAC

SINGLE ACTING HIGH TONNAGE JACKING CYLINDERS

THE **RJ-SERIES** IS A SINGLE ACTING SPRING RETURN CYLINDER. IT IS IDEALLY SUITED TO JACKING, TESTING, WEIGHING AND GENERAL MAINTENANCE APPLICATIONS THAT REQUIRE A HIGH TONNAGE SHORT STROKE CYLINDER DESIGN IN CAPACITIES BEYOND THE 100 TON RLP SERIES.

All RJ-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to reduce scoring and increase service life. Removable hardened load caps are standard.



EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

RJ-1502

Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)
RJ-1502	150	1,407	50	201.0	1,005	200	250	215
RJ-1504		1,407	100	201.0	2,010	250	350	215
RJ-2002	200	1,984	50	283.4	1,417	200	250	255
RJ-2004		1,984	100	283.4	2,834	250	350	255

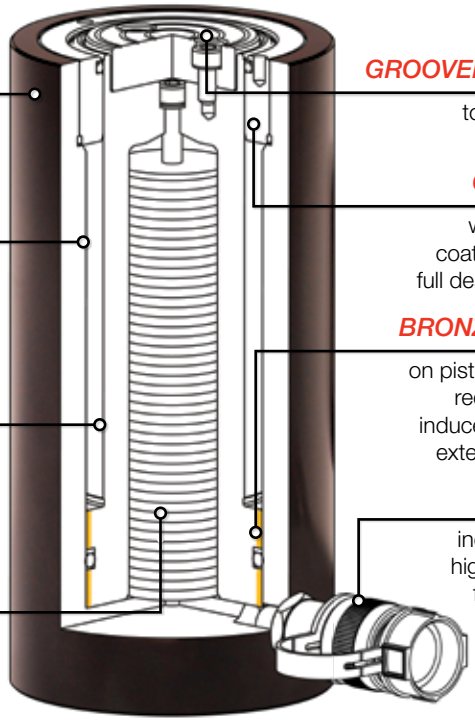
* Nominal Cylinder Capacity in ton - see kN values for actual capacity

POWDER COATED FINISH
enhances appearance and reduces corrosion

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

RETURN SPRING
is sized to ensure efficient piston rod return and maximum spring life



HARDENED GROOVED LOAD CAP
to prevent piston rod damage

GLAND NUT
with low friction coating withstands full dead end loading

BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life

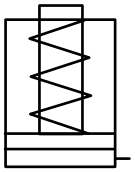
PARKER
industry standard high flow coupling for compatibility

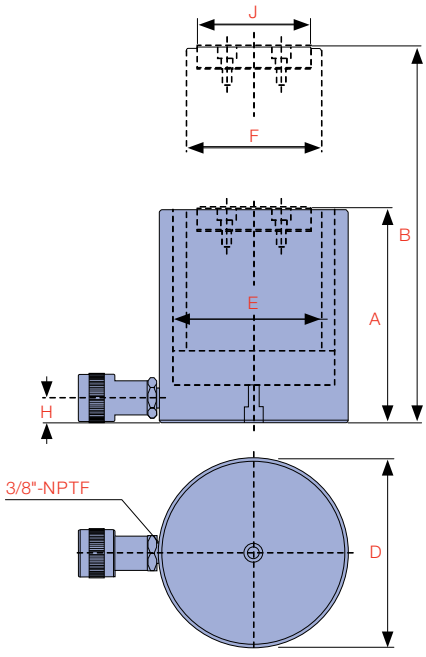


CAPACITY RANGE
150 - 200 ton

STROKE RANGE
50 - 100 mm

MAXIMUM OPERATING PRESSURE
700 bar





RLP-Series cylinders offer short stroke capacities from 10-100 ton



E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	Weight (kg)	Model Number	Handle Type
160	115	50	99	50	RJ-1502	♦ ♥
160	115	50	99	60	RJ-1504	♦ ♥
190	135	50	115	72	RJ-2002	♦ ♥
190	135	50	115	85	RJ-2004	♦ ♥

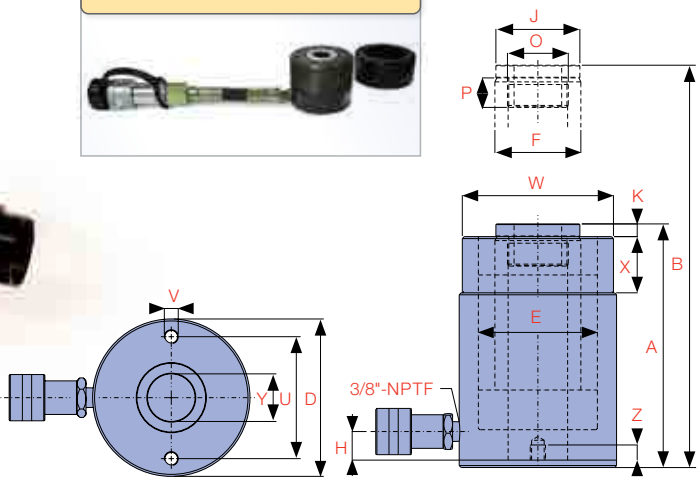
HANDLE TYPES: ♦ EYEBOLT ♥ REMOVABLE STRAP HANDLE



THE **RHS-SERIES** IS A SINGLE ACTING SPRING RETURN HOLLOW PISTON ROD CYLINDER.

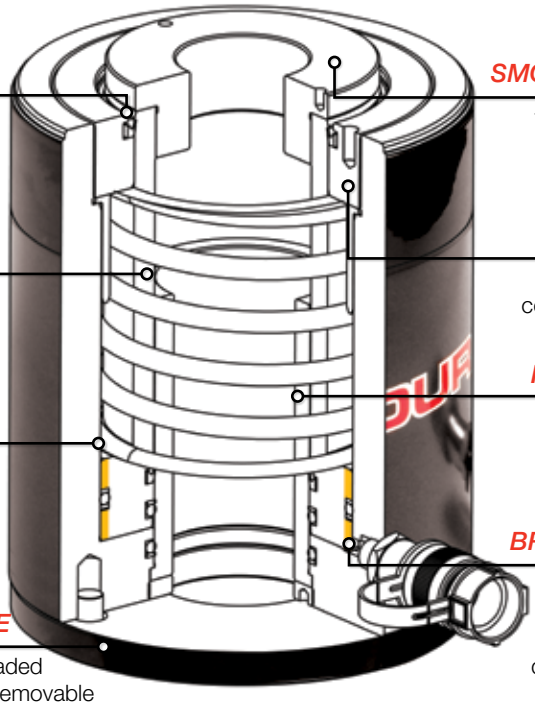
The hollow piston allows for a rod or cable to be inserted through the entire body length. They can be used in tensioning, load testing, bush extracting and maintenance applications. All RHS-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and a bronze overlay piston bearing area to reduce scoring and increase service life. All cylinders incorporate a bolt on removable steel base plate for extra protection.

The ***RHS-120*** is supplied with a whip hose and CR-6 high flow coupling



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)
RHS-120	12	125	8	17.9	14	63	71	69	54.1	35.1	9	-
RHS-121		125	42	17.9	75	128	170	69	54.1	35.1	19	-
RHS-1211		125	42	17.9	75	128	170	69	54.1	35.1	19	-
RHS-123		125	76	17.9	135	192	268	69	54.1	35.1	19	-
RHS-202	20	215	49	30.7	149	172	221	98	73.1	54.1	19	54
RHS-204		215	102	30.7	311	252	354	98	73.1	54.1	19	54
RHS-206		215	155	30.7	472	316	471	98	73.1	54.1	19	54
RHS-302	30	326	64	46.6	297	188	252	114	88.9	63.5	22	63
RHS-304		326	102	46.6	474	243	345	114	88.9	63.5	22	63
RHS-306		326	155	46.6	720	340	495	114	88.9	63.5	25	63
RHS-603	60	576	76	82.3	629	259	335	159	123.9	91.9	31	91
RHS-604		576	103	82.3	838	298	401	159	123.9	91.9	31	91
RHS-606		576	153	82.3	1,259	335	488	159	123.9	91.9	31	91
RHS-1003	100	931	76	133.0	1,011	270	346	212	165.1	127.0	38	126
RHS-1006		931	152	133.0	2,026	389	541	212	165.1	127.0	54	126

* Nominal Cylinder Capacity in ton - see kN values for actual capacity



PISTON ROD WIPER
reduces contaminants

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

STEEL BASE PLATE
protects base and threaded mounting holes and is removable

THREADED FIT SMOOTH LOAD CAP
to prevent piston rod damage. Optional TSH threaded load caps available

GLAND NUT
with low friction coating withstands full dead end loading

RETURN SPRING
is sized to ensure efficient piston rod return and maximum spring life

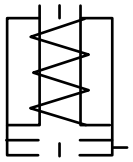
BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life



CAPACITY RANGE
12 - 100 ton

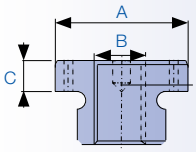
STROKE RANGE
8 - 155 mm

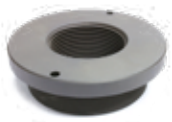
MAXIMUM OPERATING PRESSURE
700 bar



Lightweight aluminium hollow cylinders are available in single and double acting designs - see pages 50 to 53







Optional Threaded Load Caps				Model Number
Model Number	A (in)	B	C (mm)	
TSH-20	53	1"-8UNC	9	RHS-202
TSH-20	53	1"-8UNC	9	RHS-204
TSH-20	53	1"-8UNC	9	RHS-206
TSH-30	63	1-1/4"-7UNC	9	RHS-302
TSH-30	63	1-1/4"-7UNC	9	RHS-304
TSH-30	63	1-1/4"-7UNC	9	RHS-306
TSH-60	91	1-5/8"-5-1/2UN	12	RHS-603
TSH-60	91	1-5/8"-5-1/2UN	12	RHS-604
TSH-60	91	1-5/8"-5-1/2UN	12	RHS-606
TSH-100	126	2-1/2"-8UN	13	RHS-1003
TSH-100	126	2-1/2"-8UN	13	RHS-1006

K Load Cap Protrusion from Piston Rod (mm)	O Piston Rod Internal Thread	P Piston Rod Thread Length (mm)	W Collar Thread	X Collar Thread Length (mm)	Y Centre Hole Diameter (mm)	Base Mounting Holes			Weight (kg)	Model Number	Handle Type
						U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)			
-	3/4"-16UNF	16	2-3/4"-16UN	30	19.6	50.8	5/16"-18UNC	9.0	2.0	RHS-120	
-	-	-	2-3/4"-16UN	30	19.6	50.8	5/16"-18UNC	9.0	2.8	RHS-121	
-	3/4"-16UNF	16	2-3/4"-16UN	30	19.6	50.8	5/16"-18UNC	9.0	2.8	RHS-1211	
-	-	-	2-3/4"-16UN	30	19.6	50.8	5/16"-18UNC	12.7	4.4	RHS-123	
6.9	1-9/16"-16UN	19	3-7/8"-12UN	38	26.9	82.6	3/8"-16UNC	9.4	7.7	RHS-202	♣
6.9	1-9/16"-17UN	19	3-7/8"-13UN	38	26.9	82.6	3/8"-16UNC	9.4	10.0	RHS-204	♣
6.9	1-9/16"-16UN	19	3-7/8"-12UN	38	26.9	82.6	3/8"-16UNC	9.4	14.1	RHS-206	♣
9.7	1-13/16"-16UN	22	4-1/2"-12UN	42	33.3	92.2	3/8"-16UNC	14.0	10.9	RHS-302	♣
9.7	1-13/16"-17UN	22	4-1/2"-13UN	42	33.3	92.2	3/8"-16UNC	14.0	14.0	RHS-304	♣
9.7	1-13/16"-18UN	22	4-1/2"-12UN	42	33.3	92.2	3/8"-16UNC	14.0	21.8	RHS-306	♣
12.7	2-3/4"-16UN	19	6-1/4"-12UN	48	53.8	130.3	1/2"-13UNC	14.0	28.1	RHS-603	♥
12.7	2-3/4"-16UN	19	6-1/4"-12UN	48	53.8	130.3	1/2"-13UNC	14.0	30.0	RHS-604	♥
12.7	2-3/4"-16UN	19	6-1/4"-12UN	48	53.8	130.3	1/2"-13UNC	14.0	35.4	RHS-606	♥
12.7	4"-16UN	25	8-3/8"-12UN	60	79.0	177.8	5/8"-11UNC	19.0	63.0	RHS-1003	♥
12.7	4"-16UN	25	8-3/8"-12UN	60	79.0	177.8	5/8"-11UNC	19.0	73.0	RHS-1006	♥

HANDLE TYPES: ♣ WELDED ♥ REMOVABLE STRAP HANDLE

THE **RHD-SERIES** IS A DOUBLE ACTING HOLLOW PISTON ROD CYLINDER.

The hollow piston allows for a rod or cable to be inserted through the entire body length, while the double acting design improves speed of operation when longer stroke cylinders are required. They can be used in tensioning, load testing, bush extracting, and maintenance applications. All cylinders in this range have base mounting holes.

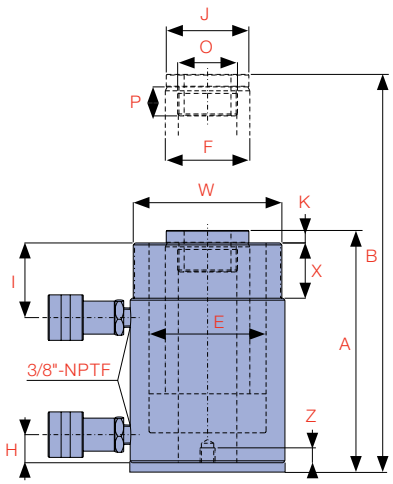


RHD-2006-128

RHD-1003

EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

Consult Durapac for cylinders with custom tonnage and/or stroke



Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)				
RHD-307	30	326	213	178	46.6	30.4	830	541	340	518	114	88.9
RHD-3010		326	213	258	46.6	30.4	1,203	784	441	699	114	88.9
RHD-603	60	576	377	94	82.3	53.8	732	479	259	348	159	123.9
RHD-606		576	377	166	82.3	53.8	1,366	893	335	501	159	123.9
RHD-6010		576	377	257	82.3	53.8	2,115	1,382	450	707	159	123.9
RHD-1001	100	931	612	38	133.0	87.4	506	332	181	219	212	165.1
RHD-1003		931	612	76	133.0	87.4	1,012	664	270	346	212	165.1
RHD-1006		931	612	153	133.0	87.4	2,037	1,337	358	511	212	165.1
RHD-10010		931	612	257	133.0	87.4	3,421	2,245	476	733	212	165.1
RHD-1508	150	1,429	718	203	204.1	102.6	4,142	2,082	365	568	247	190.5
RHD-2006-128	200	2,028	894	150	289.7	127.8	4,345	1,916	397	547	325	250.0
RHD-3006	300	3,004	1,346	150	429.2	192.3	6,438	2,885	367	501	350	270.0

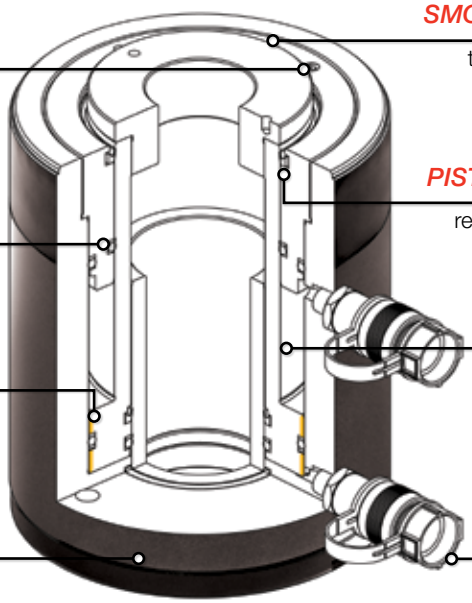
* Nominal Cylinder Capacity in ton - see kN values for actual capacity

SAFETY PRESSURE
relief valve protects cylinder from intensification due to checked hydraulic return coupling

GLAND NUT
with low friction coating withstands full dead end loading

BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life

STEEL BASE PLATE
protects base and is removable to allow use of threaded mounting holes



THREADED FIT SMOOTH LOAD CAP
to prevent piston rod damage. Optional TSH threaded load caps available

PISTON ROD WIPER
reduces contaminants

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

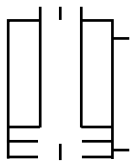
PARKER
industry standard high flow couplings for compatibility

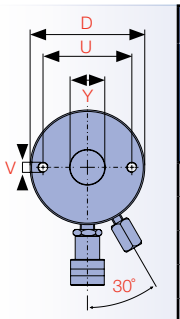


CAPACITY RANGE
30 - 300 ton

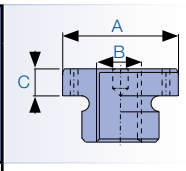
STROKE RANGE
38 - 258 mm

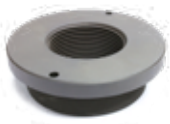
MAXIMUM OPERATING PRESSURE
700 bar





Base Mounting Holes			Model Number	Optional Threaded Load Caps				Handle Type
U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)		Model Number	A (mm)	B	C (mm)	
92.2	3/8"-16UNC	15.7	**RHD-307**	**TSH-30**	63	1-1/4"-7UNC	9	♥
92.2	3/8"-16UNC	15.7	**RHD-3010**	**TSH-30**	63	1-1/4"-7UNC	9	♥
130.0	1/2"-13UNC	14.0	**RHD-603**	**TSH-60**	91	1-5/8"-5-1/2UN	12	♥
130.0	1/2"-13UNC	14.0	**RHD-606**	**TSH-60**	91	1-5/8"-5-1/2UN	12	♥
130.0	1/2"-13UNC	14.0	**RHD-6010**	**TSH-60**	91	1-5/8"-5-1/2UN	12	♥
177.8	5/8"-11UNC	19.0	**RHD-1001**	**TSH-100**	126	2-1/2"-8UN	13	♥
177.8	5/8"-11UNC	19.0	**RHD-1003**	**TSH-100**	126	2-1/2"-8UN	13	♥
177.8	5/8"-11UNC	19.0	**RHD-1006**	**TSH-100**	126	2-1/2"-8UN	13	♥
177.8	5/8"-11UNC	19.0	**RHD-10010**	**TSH-100**	126	2-1/2"-8UN	13	♥
214.0	5/8"-11UNC	15.0	**RHD-1508**	**TSH-150**	-	-	-	♥
260.0	5/8"-11UNC	34.0	**RHD-2006-128**	**TSH-200**	-	-	-	♦
260.0	5/8"-11UNC	32.0	**RHD-3006**	**TSH-300**	-	-	-	♦





F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	O Piston Rod Internal Thread	P Piston Rod Thread Length (mm)	W Collar Thread	X Collar Thread Length (mm)	Y Centre Hole Diameter (mm)	Weight (kg)	Model Number
63.5	25	60	63	9	1-13/16"-16UN	22	4-1/2"-12UN	42	33.3	21	**RHD-307**
63.5	25	60	63	9	1-13/16"-16UN	22	4-1/2"-12UN	42	33.3	27	**RHD-3010**
92.2	31	66	91	12	2-3/4"-16UN	19	6-1/4"-12UN	48	54.1	28	**RHD-603**
92.2	31	66	91	12	2-3/4"-16UN	19	6-1/4"-12UN	48	54.1	35	**RHD-606**
92.2	31	66	91	12	2-3/4"-16UN	19	6-1/4"-12UN	48	54.1	45	**RHD-6010**
127.0	38	44	126	12	4"-16UN	25	-	-	79.5	33	**RHD-1001**
127.0	38	85	126	12	4"-16UN	25	8-3/8"-12UN	60	79.5	61	**RHD-1003**
127.0	38	85	126	12	4"-16UN	25	8-3/8"-12UN	60	79.5	79	**RHD-1006**
127.0	38	85	126	12	4"-16UN	25	8-3/8"-12UN	60	79.5	106	**RHD-10010**
152.4	38	60	127	4	4-1/4"-12UN	25	-	-	79.5	111	**RHD-1508**
215.0	73	90	215	31	M168 x 2.5	44	-	-	128.0	185	**RHD-2006-128**
220.0	56	80	220	31	M145 x 2.5	35	-	-	116.0	210	**RHD-3006**

HANDLE TYPES: ♦ EYEBOLT ♥ REMOVABLE STRAP HANDLE

RPLC SERIES

DURAPAC

SINGLE ACTING PANCAKE LOCKING COLLAR CYLINDERS

THE **RPLC-SERIES** IS A SINGLE ACTING LOAD RETURN PANCAKE LOCKING COLLAR CYLINDER. IT IS A COMPACT DESIGN THAT FEATURES A THREADED PISTON ROD AND LOCK RING.

When the lock ring is screwed down and engaged with the cylinder body, the load can be held mechanically for extended periods. Hoses and pumps can be removed until lowering is required. These cylinders are ideally suited to bridge construction and maintenance. All RPLC-Series cylinders feature a hard chrome bore for maximum corrosion resistance and a special coating on the piston rod and lock ring to resist corrosion and abrasion. Integral tilt saddle and an oil overflow port which restricts piston stroke is standard on all models.



RPLC-1002

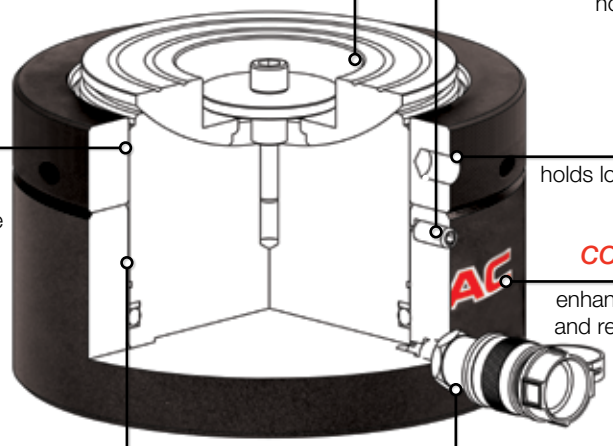
Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)
RPLC-602	60	606	50	86.6	433	125	175	140
RPLC-1002	100	1,027	50	146.8	733	137	187	175
RPLC-1602	160	1,619	45	231.3	1,040	148	193	220
RPLC-2002	200	1,999	45	285.6	1,285	155	200	245
RPLC-2502	250	2,567	45	366.8	1,650	159	204	275
RPLC-4002	400	3,916	45	559.5	2,516	178	223	350
RPLC-5002	500	5,114	45	730.6	3,286	192	237	400

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

HARDENED GROOVED TILT SADDLE
on all models to prevent piston rod damage

LOW FRICTION COATING
on piston rod and lock nut enhances corrosion resistance

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life



OVERFLOW PORT
on the piston rod ensures cylinder is not over extended

LOCK RING
holds load mechanically

POWDER COATED FINISH
enhances appearance and reduces corrosion

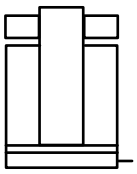
PARKER
industry standard high flow coupling for compatibility

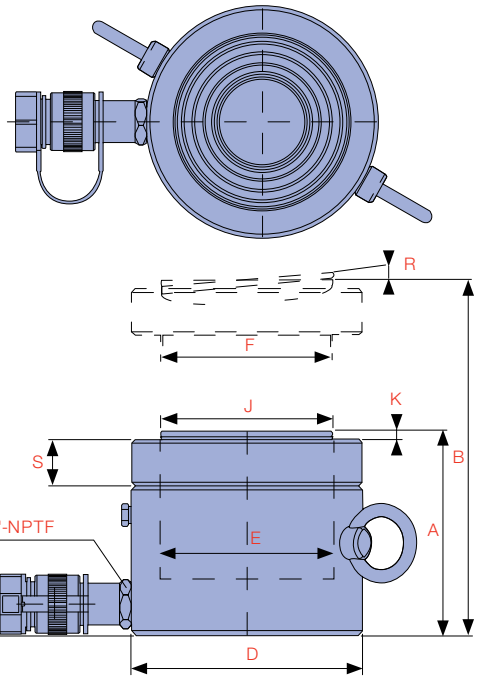


CAPACITY RANGE
60 - 500 ton

STROKE RANGE
45 - 50 mm

MAXIMUM OPERATING PRESSURE
700 bar





Optional DURAJET for fast retraction of load return cylinders. Consult Durapac



CAUTION...

RPLC-Series pancake locking collar cylinders must be used with the base fully engaged and on a firm stable jacking surface

E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)**	H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	R Tilt Saddle Maximum Angle	S Lock Ring Height (mm)	Weight (kg)	Model Number	Handle Type
105.0	TR104 x 4	19	96	6	5°	28	15	**RPLC-602**	♦
136.7	TR136 x 6	21	126	8	5°	31	26	**RPLC-1002**	♦
171.6	TR171 x 6	27	160	9	5°	40	44	**RPLC-1602**	♦
190.7	TR190 x 6	30	180	10	5°	43	57	**RPLC-2002**	♦
216.1	TR216 x 6	32	200	11	5°	44	74	**RPLC-2502**	♦
266.9	TR266 x 6	39	250	11	4°	55	134	**RPLC-4002**	♦
305.0	TR305 x 6	48	290	10	3°	62	189	**RPLC-5002**	♦

HANDLE TYPE: ♦ EYEBOLT

** TR is a metric trapezoidal thread

RSLC SERIES

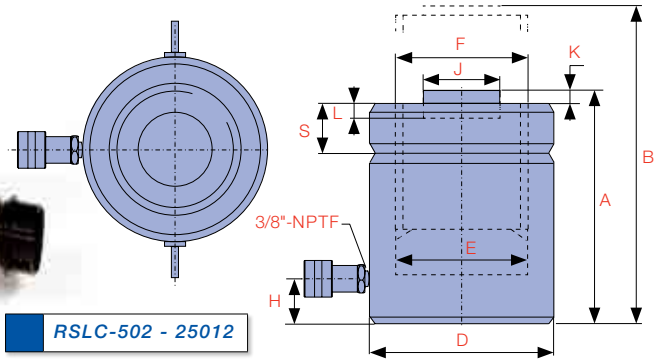
DURAPAC

SINGLE ACTING HIGH TONNAGE LOCKING COLLAR CYLINDERS



THE **RSLC-SERIES** IS A SINGLE ACTING LOAD RETURN HIGH TONNAGE LOCKING COLLAR CYLINDER.

It is a design that features a threaded piston rod and lock ring. When the lock ring is screwed down and engaged with the cylinder body, the load can be held mechanically for extended periods. These cylinders are ideally suited to bridge construction and maintenance and jacking applications requiring safe extended load holding. All RSLC-Series cylinders feature a hard chrome bore for maximum corrosion resistance and a special coating on the piston rod and lock ring to resist corrosion and abrasion. Hardened removable load caps are standard and TSX tilt saddles are optional. An oil overflow port which restricts piston stroke is standard on all models. Durapac can also offer RDLC-Series double acting locking collar cylinders where oil retraction is preferred.



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)**
RSLC-502	50	496	50	70.9	355	164	214	125	95.0	TR95 x 4
RSLC-504		496	100	70.9	709	214	314	125	95.0	TR95 x 4
RSLC-506		496	150	70.9	1,064	264	414	125	95.0	TR95 x 4
RSLC-508		496	200	70.9	1,418	314	514	125	95.0	TR95 x 4
RSLC-5010		496	250	70.9	1,773	364	614	125	95.0	TR95 x 4
RSLC-5012		496	300	70.9	2,127	414	714	125	95.0	TR95 x 4
RSLC-1002	100	929	50	132.7	664	187	237	165	130.0	TR130 x 6
RSLC-1004		929	100	132.7	1,327	237	337	165	130.0	TR130 x 6
RSLC-1006		929	150	132.7	1,991	287	437	165	130.0	TR130 x 6
RSLC-1008		929	200	132.7	2,654	337	537	165	130.0	TR130 x 6
RSLC-10010		929	250	132.7	3,318	387	637	165	130.0	TR130 x 6
RSLC-10012		929	300	132.7	3,981	437	737	165	130.0	TR130 x 6
RSLC-1502	150	1,390	50	198.6	993	209	259	205	159.0	TR159 x 6
RSLC-1504		1,390	100	198.6	1,986	259	359	205	159.0	TR159 x 6
RSLC-1506		1,390	150	198.6	2,979	309	459	205	159.0	TR159 x 6
RSLC-1508		1,390	200	198.6	3,972	359	559	205	159.0	TR159 x 6
RSLC-15010		1,390	250	198.6	4,965	409	659	205	159.0	TR159 x 6
RSLC-15012		1,390	300	198.6	5,958	459	759	205	159.0	TR159 x 6

* Nominal Cylinder Capacity in ton - see kN values for actual capacity
** TR is a metric trapezoidal thread

LOW FRICTION COATING
on piston rod and lock nut enhances corrosion resistance

HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

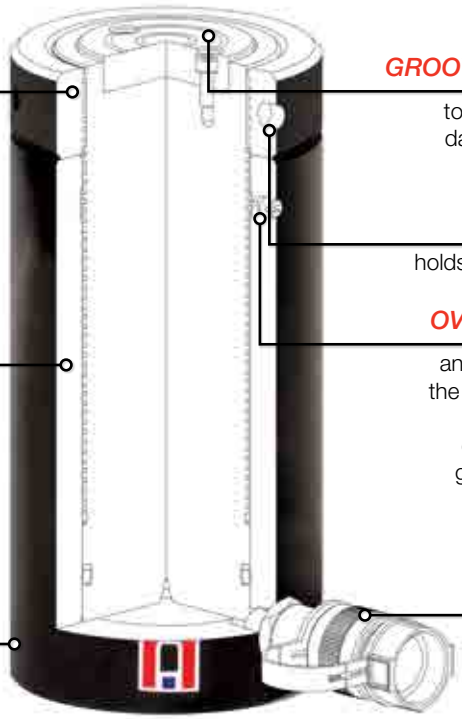
LOCK RING
holds load mechanically

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

OVERFLOW PORT
and warning mark on the piston rod ensures cylinder is not over extended. Optional gland nuts available

POWDER COATED FINISH
enhances appearance and reduces corrosion

PARKER
industry standard high flow coupling for compatibility





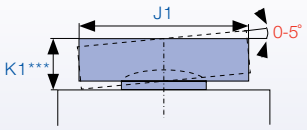
CAPACITY RANGE
50 - 1,000 ton

STROKE RANGE
50 - 300 mm

MAXIMUM OPERATING PRESSURE
700 bar

Optional DURAJET for fast retraction of load return cylinders. Consult Durapac







H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	S Lock Ring Height (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
						Model Number	J1 Diameter (mm)	K1*** Height (mm)		
30	71	2	13	36	15	TSX-100	71	24	RSLC-502	♦
30	71	2	13	36	20	TSX-100	71	24	RSLC-504	♦
30	71	2	13	36	25	TSX-100	71	24	RSLC-506	♦
30	71	2	13	36	30	TSX-100	71	24	RSLC-508	♦
30	71	2	13	36	35	TSX-100	71	24	RSLC-5010	♦
30	71	2	13	36	40	TSX-100	71	24	RSLC-5012	♦
30	71	2	13	44	30	TSX-100	71	24	RSLC-1002	♦
30	71	2	13	44	39	TSX-100	71	24	RSLC-1004	♦
30	71	2	13	44	48	TSX-100	71	24	RSLC-1006	♦
30	71	2	13	44	56	TSX-100	71	24	RSLC-1008	♦
30	71	2	13	44	64	TSX-100	71	24	RSLC-10010	♦
30	71	2	13	44	73	TSX-100	71	24	RSLC-10012	♦
39	130	2	25	44	53	TSX-200	130	20	RSLC-1502	♦
39	130	2	25	44	66	TSX-200	130	20	RSLC-1504	♦
39	130	2	25	44	78	TSX-200	130	20	RSLC-1506	♦
39	130	2	25	44	92	TSX-200	130	20	RSLC-1508	♦
39	130	2	25	44	104	TSX-200	130	20	RSLC-15010	♦
39	130	2	25	44	117	TSX-200	130	20	RSLC-15012	♦

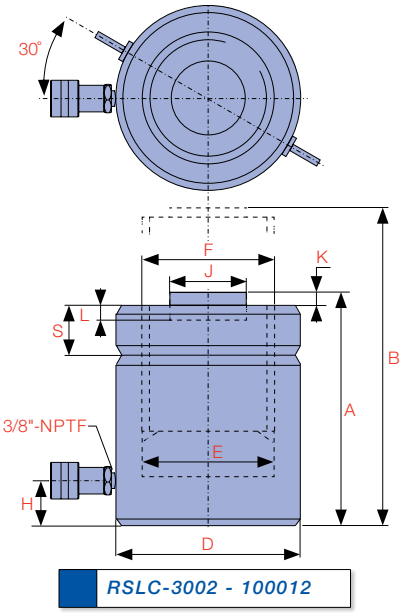
HANDLE TYPE: ♦ EYEBOLT

*** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

RSLC SERIES

DURAPAC

SINGLE ACTIING HIGH TONNAGE LOCKING COLLAR CYLINDERS



RSLC-3002 - 100012

RPLC-Series pancake locking collar cylinders are perfect for applications that require sustained load holding in a compact low height package



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)**
RSLC-2002	200	1,859	50	265.6	1,330	243	293	235	184.0	TR184 x 6
RSLC-2006		1,859	150	265.6	3,989	343	493	235	184.0	TR184 x 6
RSLC-20012		1,859	300	265.6	7,995	493	793	235	184.0	TR184 x 6
RSLC-2502	250	2,563	50	366.1	1,832	249	299	275	216.0	TR216 x 6
RSLC-2506		2,563	150	366.1	5,496	349	499	275	216.0	TR216 x 6
RSLC-25012		2,563	300	366.1	10,976	499	799	275	216.0	TR216 x 6
RSLC-3002	300	3,193	50	456.2	2,281	295	345	310	241.0	TR241 x 6
RSLC-3006		3,193	150	456.2	6,843	395	545	310	241.0	TR241 x 6
RSLC-30012		3,193	300	456.2	13,740	545	845	310	241.0	TR241 x 6
RSLC-4002	400	3,919	50	559.9	2,800	335	385	350	267.0	TR266 x 6
RSLC-4006		3,919	150	559.9	8,399	435	585	350	267.0	TR266 x 6
RSLC-40012		3,919	300	559.9	16,800	585	885	350	267.0	TR266 x 6
RSLC-5002	500	5,118	50	731.1	3,653	375	425	400	305.0	TR305 x 6
RSLC-5006		5,118	150	731.1	10,967	475	625	400	305.0	TR305 x 6
RSLC-50012		5,118	300	731.1	21,930	625	925	400	305.0	TR305 x 6
RSLC-6002	600	5,984	50	854.8	4,277	395	445	430	330.0	TR330 x 6
RSLC-6006		5,984	150	854.8	12,830	495	645	430	330.0	TR330 x 6
RSLC-60012		5,984	300	854.8	25,650	645	945	430	330.0	TR330 x 6
RSLC-8002	800	8,238	50	1176.9	5,882	455	505	505	387.0	TR387 x 6
RSLC-8006		8,238	150	1176.9	17,645	555	705	505	387.0	TR387 x 6
RSLC-80012		8,238	300	1176.9	35,370	705	1005	505	387.0	TR387 x 6
RSLC-10002	1000	10,265	50	1466.4	7,329	495	545	560	432.0	TR432 x 6
RSLC-10006		10,265	150	1466.4	21,986	595	745	560	432.0	TR432 x 6
RSLC-100012		10,265	300	1466.4	43,980	745	1045	560	432.0	TR432 x 6

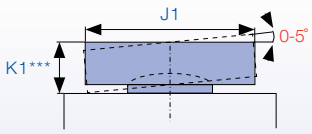
* Nominal Cylinder Capacity in ton - see kN values for actual capacity
** TR is a metric trapezoidal thread

Durapac offer a wide range of pump options: electric / air / petrol / diesel / manual



Durapac offer a base attachment to suit the RSLC-Series cylinders. Refer to Cylinder Accessories for more details







H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	S Lock Ring Height (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
						Model Number	J1 Diameter (mm)	K1*** Height (mm)		
50	130	2	25	50	83	TSX-200	130	20	RSLC-2002	♦
50	130	2	25	50	117	TSX-200	130	20	RSLC-2006	♦
50	130	2	25	50	170	TSX-200	130	20	RSLC-20012	♦
50	150	2	25	56	116	TSX-250	150	21	RSLC-2502	♦
50	150	2	25	56	162	TSX-250	150	21	RSLC-2506	♦
50	150	2	25	56	234	TSX-250	150	21	RSLC-25012	♦
59	139	5	25	60	173	TSX-300	195	75	RSLC-3002	♦
59	139	5	25	60	233	TSX-300	195	75	RSLC-3006	♦
59	139	5	25	60	323	TSX-300	195	75	RSLC-30012	♦
70	159	5	25	70	250	TSX-400	225	85	RSLC-4002	♦
70	159	5	25	70	327	TSX-400	225	85	RSLC-4006	♦
70	159	5	25	70	441	TSX-400	225	85	RSLC-40012	♦
80	179	5	25	80	367	TSX-500	250	91	RSLC-5002	♦
80	179	5	25	80	466	TSX-500	250	91	RSLC-5006	♦
80	179	5	25	80	617	TSX-500	250	91	RSLC-50012	♦
85	194	5	25	85	446	TSX-600	275	96	RSLC-6002	♦
85	194	5	25	85	562	TSX-600	275	96	RSLC-6006	♦
85	194	5	25	85	737	TSX-600	275	96	RSLC-60012	♦
100	224	5	25	100	709	TSX-800	320	123	RSLC-8002	♦
100	224	5	25	100	870	TSX-800	320	123	RSLC-8006	♦
100	224	5	25	100	1,110	TSX-800	320	123	RSLC-80012	♦
110	249	5	25	110	949	TSX-1000	360	136	RSLC-10002	♦
110	249	5	25	110	1,141	TSX-1000	360	136	RSLC-10006	♦
110	249	5	25	110	1,430	TSX-1000	360	136	RSLC-100012	♦

HANDLE TYPE: ♦ EYEBOLT

*** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

AC SERIES

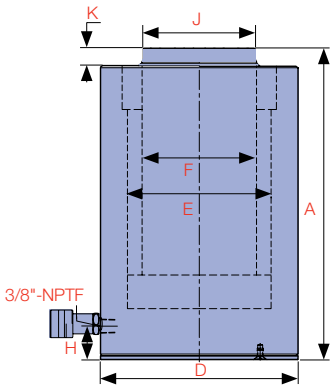
DURAPAC

SINGLE ACTING ALUMINIUM CYLINDERS



THE **AC-SERIES** IS A SINGLE ACTING LIGHTWEIGHT HIGH STRENGTH ALUMINIUM SPRING RETURN CYLINDER. IT IS IDEAL FOR USE IN APPLICATIONS WHERE WEIGHT AND PORTABILITY ARE PARAMOUNT.

A special anodising treatment on the piston rod, cylinder bore and body resists damage and extends cylinder life. All cylinders incorporate a steel base plate for extra protection.



Model No.	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)
AC-202	20	213	50	31.2	156	170	220	85	63
AC-204		213	100	31.2	312	220	320	85	63
AC-206		213	150	31.2	468	270	420	85	63
AC-302	30	303	50	44.2	221	180	230	100	75
AC-304		303	100	44.2	442	230	330	100	75
AC-306		303	150	44.2	663	280	430	100	75
AC-502	50	539	50	78.5	393	200	250	135	100
AC-504		539	100	78.5	785	250	350	135	100
AC-506		539	150	78.5	1,178	300	450	135	100
AC-508		539	200	78.5	1,571	350	550	135	100
AC-5010		539	250	78.5	1,964	400	650	135	100
AC-754	75	776	100	113.1	1,131	260	365	165	120
AC-756		776	150	113.1	1,697	310	465	165	120
AC-758		776	200	113.1	2,262	360	565	165	120
AC-7510		776	250	113.1	2,828	410	665	165	120
AC-1004	100	1,056	100	153.9	1,539	280	380	190	140
AC-1006		1,056	150	153.9	2,309	330	480	190	140
AC-1008		1,056	200	153.9	3,079	380	580	190	140
AC-10010		1,056	250	153.9	3,848	430	680	190	140
AC-1504	150	1,558	100	227.0	2,270	300	400	230	170
AC-1506		1,558	150	227.0	3,405	350	500	230	170
AC-1508		1,558	200	227.0	4,540	400	600	230	170
AC-15010		1,558	250	227.0	5,675	450	700	230	170
AC-2004	200	2,156	100	314.2	3,142	320	420	270	200
AC-2006		2,156	150	314.2	4,712	370	520	270	200

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

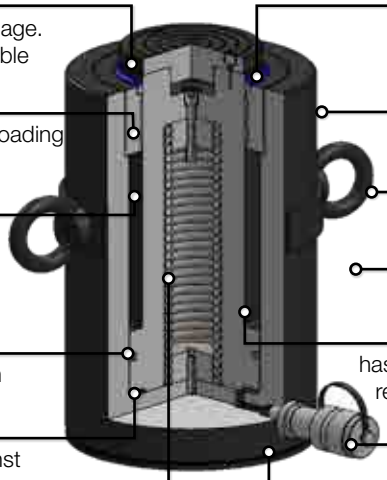
GLAND NUT
withstands full dead end loading

CYLINDER BORE
has a special anodising treatment to resist wear, corrosion and damage

COMPACT SEAL
resists wear and extrusion

BEARING SURFACE
large area to protect against side loading

RETURN SPRING
heavy duty for faster retraction



PISTON ROD WIPER
reduces contaminants and improves service life of cylinder

ANODISED FINISH
resists damage

HANDLE
is removable

LIGHTWEIGHT
high strength aluminium materials

PISTON ROD
has a special anodising treatment to resist wear, corrosion and damage

PARKER
industry standard high flow coupling for compatibility

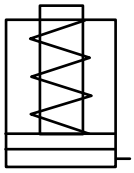
MILD STEEL BASE PLATE
protects base

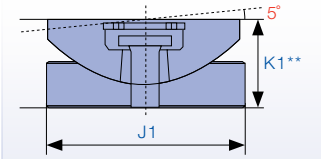


CAPACITY RANGE
20 - 200 ton

STROKE RANGE
50 - 250 mm

MAXIMUM OPERATING PRESSURE
700 bar





F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	Optional Tilt Saddle			Weight (kg)
				Model Number	J1 Diameter (mm)	K1** Height (mm)	
50	25	48	12	**TSAC-20**	48	25	2.7
50	25	48	12	**TSAC-20**	48	25	3.4
50	25	48	12	**TSAC-20**	48	25	4.0
60	25	58	14	**TSAC-30**	55	27	4.0
60	25	58	14	**TSAC-30**	55	27	4.9
60	25	58	14	**TSAC-30**	55	27	5.8
80	25	78	17	**TSAC-50**	74	27	8.5
80	25	78	17	**TSAC-50**	74	27	10.0
80	25	78	17	**TSAC-50**	74	27	11.5
80	25	78	17	**TSAC-50**	74	27	13.0
80	25	78	17	**TSAC-50**	74	27	14.5
95	35	98	19	**TSAC-75**	98	34	14.0
95	35	98	19	**TSAC-75**	98	34	16.0
95	35	98	19	**TSAC-75**	98	34	18.0
95	35	98	19	**TSAC-75**	98	34	20.0
110	35	108	20	**TSAC-100**	103	34	21.5
110	35	108	20	**TSAC-100**	103	34	24.5
110	35	108	20	**TSAC-100**	103	34	27.5
110	35	108	20	**TSAC-100**	103	34	31.0
140	40	138	20	**TSAC-150**	133	40	35.5
140	40	138	20	**TSAC-150**	133	40	40.5
140	40	138	20	**TSAC-150**	133	40	45.5
140	40	138	20	**TSAC-150**	133	40	50.5
160	45	158	26	**TSAC-200**	150	45	50.5
160	45	158	26	**TSAC-200**	150	45	56.5

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

Durapac has a range of aluminium lightweight pumps to suit the ***aluminium cylinder range***



P-2200A

Caution...

Lightweight ***aluminium cylinders*** are ***not*** designed for production applications. Consult Durapac for details on high cycle applications

ACHS SERIES

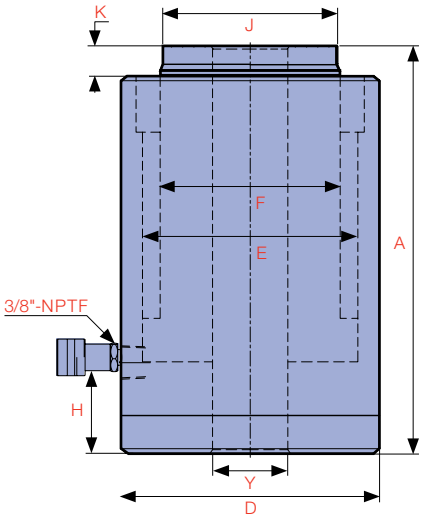
DURAPAC

SINGLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS



THE **ACHS-SERIES** IS A SINGLE ACTING SPRING RETURN HOLLOW PISTON ROD ALUMINIUM CYLINDER.

The hollow piston allows for a rod or cable to be inserted through the entire body length. They can be used in tensioning, load testing, bush extracting and maintenance applications where weight and portability are paramount. All cylinders incorporate a steel base plate for extra protection.



Model Number	Cylinder Capacity ton*	Cylinder Capacity kN	Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
ACHS-202	20	226	50	33.0	165	175	225	115	85	75
ACHS-204		226	100	33.0	330	225	325	115	85	75
ACHS-206		226	150	33.0	495	275	425	115	85	75
ACHS-302	30	345	50	50.3	251	210	260	130	100	80
ACHS-303		345	75	50.3	377	235	310	130	100	80
ACHS-304		345	100	50.3	503	260	360	130	100	80
ACHS-306		345	150	50.3	754	310	460	130	100	80
ACHS-503	50	539	75	78.5	589	250	325	165	125	100
ACHS-504		539	100	78.5	785	275	375	165	125	100
ACHS-506		539	150	78.5	1,178	325	475	165	125	100
ACHS-603	60	619	75	90.3	677	260	335	190	140	120
ACHS-604		619	100	90.3	903	285	385	190	140	120
ACHS-606		619	150	90.3	1,355	335	485	190	140	120
ACHS-1003	100	1,068	75	155.7	1,168	285	360	245	185	150
ACHS-1004		1,068	100	155.7	1,557	310	410	245	185	150
ACHS-1006		1,068	150	155.7	2,336	360	510	245	185	150

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

HARDENED GROOVED LOAD CAP
to prevent piston rod damage

PISTON ROD WIPER
reduces contaminants and improves service life of cylinder

GLAND NUT
withstands full dead end loading

PLATED STEEL INNER TUBE
for maximum corrosion resistance

HANDLE
is removable

RETURN SPRING
heavy duty for faster retraction

PISTON ROD
has a special anodising treatment to resist wear, corrosion and damage

CYLINDER BORE
has a special anodising treatment to resist wear, corrosion and damage

COMPACT SEAL
resists wear and extrusion

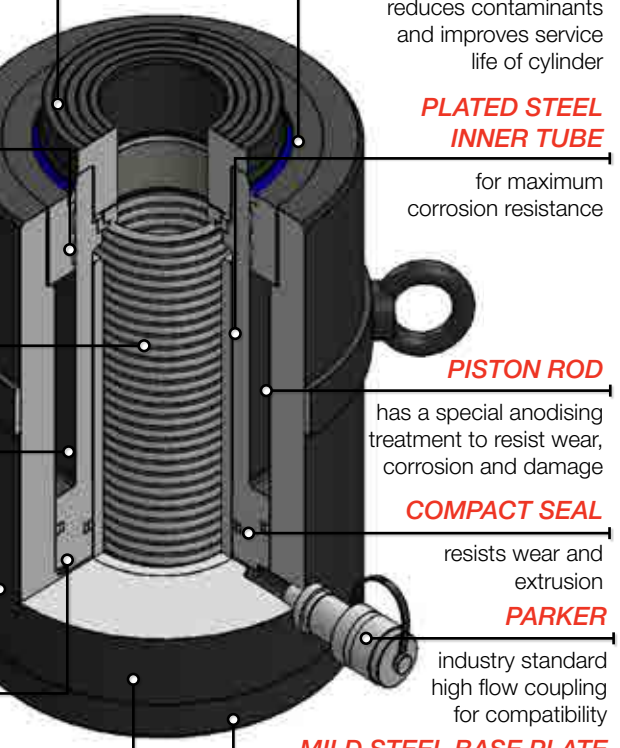
LIGHTWEIGHT
high strength aluminium materials

PARKER
industry standard high flow coupling for compatibility

BEARING SURFACE
large area to protect against side loading

MILD STEEL BASE PLATE
protects base

ANODISED FINISH
resists damage

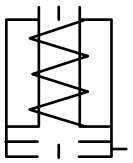


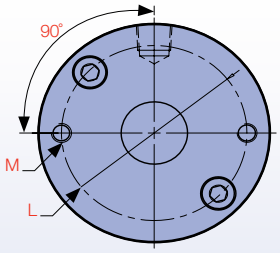


CAPACITY RANGE
20 - 100 ton

STROKE RANGE
50 - 150 mm

MAXIMUM OPERATING PRESSURE
700 bar





H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L PCD x No. of Holes	M Thread Size	Thread Depth (mm)	Y Centre Hole Diameter (mm)	Weight (kg)
40	73	11	85 x 2	M10	15	27	6.5
40	73	11	85 x 2	M10	15	27	8.0
40	73	11	85 x 2	M10	15	27	9.5
52	78	16	90 x 2	M10	17	33	10.0
52	78	16	90 x 2	M10	17	33	11.0
52	78	16	90 x 2	M10	17	33	12.0
52	78	16	90 x 2	M10	17	33	13.5
58	97	18	125 x 2	M12	18	42	15.5
58	97	18	125 x 2	M12	18	42	17.0
58	97	18	125 x 2	M12	18	42	19.5
58	117	21	135 x 2	M12	20	54	21.0
58	117	21	135 x 2	M12	20	54	23.0
58	117	21	135 x 2	M12	20	54	26.0
70	146	27	180 x 2	M16	24	77	38.0
70	146	27	180 x 2	M16	24	77	41.0
70	146	27	180 x 2	M16	24	77	46.0

Caution...

Lightweight ***aluminium cylinders*** are ***not*** designed for production applications. Consult Durapac for details on high cycle applications

Caution...

Protective mild steel base plate protects the cylinder and should ***not*** be removed. ***Threaded base holes*** should ***not*** be used for any other purpose

ACHD SERIES

DURAPAC

DOUBLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS

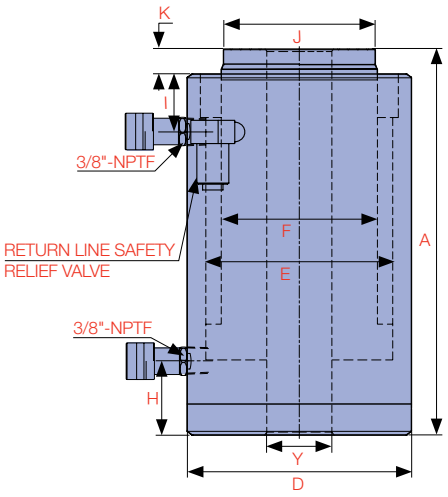


EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

ACHD-1006

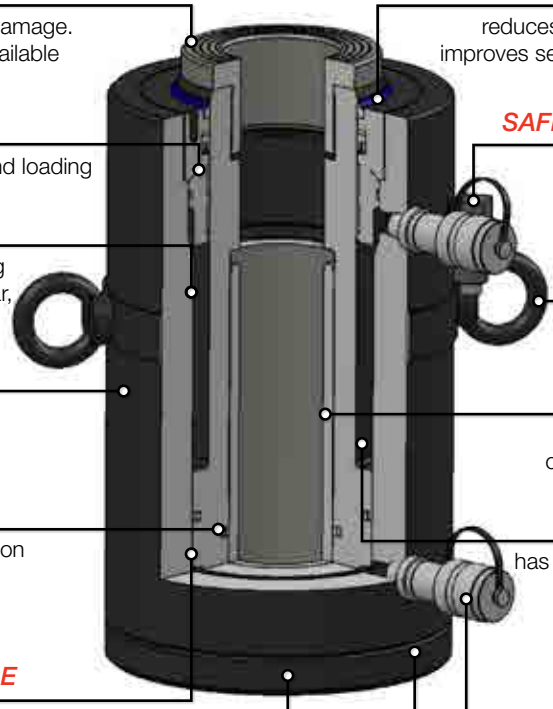
THE **ACHD-SERIES** IS A DOUBLE ACTING HOLLOW PISTON ROD ALUMINIUM CYLINDER.

The hollow piston allows for a rod or cable to be inserted through the entire body length, while the double acting design improves speed of operation when longer stroke cylinders are required. They can be used in tensioning, load testing and maintenance applications where weight and portability are paramount. All cylinders incorporate a steel base plate for extra protection.



Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)				
ACHD-303	30	303	162	75	44.2	23.6	331	177	270	345	115	85
ACHD-304		303	162	100	44.2	23.6	442	236	295	395	115	85
ACHD-306		303	162	150	44.2	23.6	663	353	345	495	115	85
ACHD-3010		303	162	250	44.2	23.6	1,105	588	445	695	115	85
ACHD-503	50	517	215	75	75.4	31.4	566	236	280	355	150	110
ACHD-504		517	215	100	75.4	31.4	754	314	305	405	150	110
ACHD-506		517	215	150	75.4	31.4	1,131	471	355	505	150	110
ACHD-603	60	614	303	75	89.5	44.2	672	331	295	370	170	125
ACHD-604		614	303	100	89.5	44.2	895	442	320	420	170	125
ACHD-606		614	303	150	89.5	44.2	1,343	663	370	520	170	125
ACHD-1003	100	980	485	75	142.9	70.7	1,072	530	330	405	225	165
ACHD-1004		980	485	100	142.9	70.7	1,429	707	355	455	225	165
ACHD-1006		980	485	150	142.9	70.7	2,144	1,060	405	555	225	165

* Nominal Cylinder Capacity in ton - see kN values for actual capacity



HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

GLAND NUT
withstands full dead end loading

CYLINDER BORE
has a special anodising treatment to resist wear, corrosion and damage

LIGHTWEIGHT
high strength aluminium materials

COMPACT SEAL
resists wear and extrusion

BEARING SURFACE
large area to protect against side loading

MILD STEEL BASE PLATE
protects base

ANODISED FINISH
resists damage

PISTON ROD WIPER
reduces contaminants and improves service life of cylinder

SAFETY PRESSURE
relief valve protects cylinder from intensification

HANDLE
is removable

PLATED STEEL INNER TUBE
for maximum corrosion resistance

PISTON ROD
has a special anodising treatment to resist wear, corrosion and damage

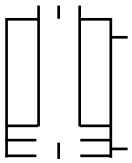
PARKER
industry standard high flow couplings for compatibility

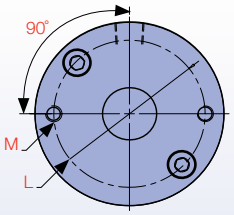


CAPACITY RANGE
30 - 100 ton

STROKE RANGE
75 - 250 mm

MAXIMUM OPERATING PRESSURE
700 bar





F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L PCD x No. of Holes	M Thread Size	Thread Depth (mm)	Y Centre Hole Diameter (mm)	Weight (kg)
65	50	65	62	16	90 x 2	M10	17	33	7.5
65	50	65	62	16	90 x 2	M10	17	33	8.2
65	50	65	62	16	90 x 2	M10	17	33	9.2
65	50	65	62	16	90 x 2	M10	17	33	11.5
90	55	65	87	18	110 x 2	M12	20	42	14.5
90	55	65	87	18	110 x 2	M12	20	42	15.5
90	55	65	87	18	110 x 2	M12	20	42	17.5
100	58	70	97	18	125 x 2	M12	20	54	19.0
100	58	70	97	18	125 x 2	M12	20	54	20.0
100	58	70	97	18	125 x 2	M12	20	54	22.5
135	70	75	130	28	165 x 2	M16	24	77	36.0
135	70	75	130	28	165 x 2	M16	24	77	38.5
135	70	75	130	28	165 x 2	M16	24	77	43.0

Caution...

Lightweight ***aluminium cylinders*** are ***not*** designed for production applications. Consult Durapac for details on high cycle applications

ACD SERIES

DURAPAC

DOUBLE ACTING ALUMINIUM CYLINDERS

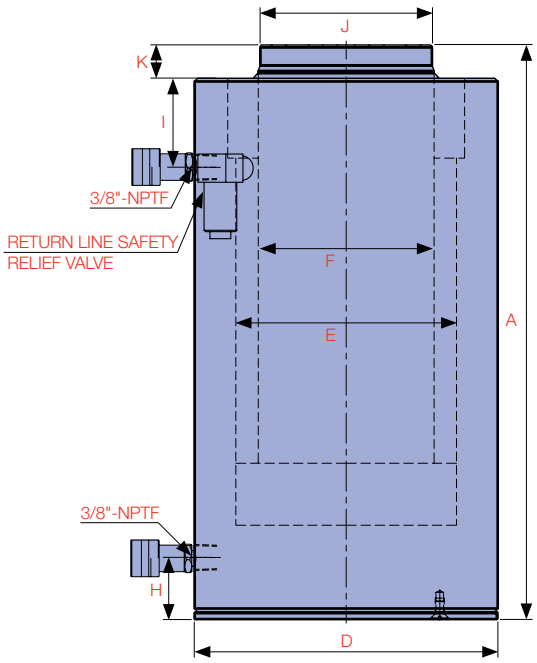


EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

ACD-508

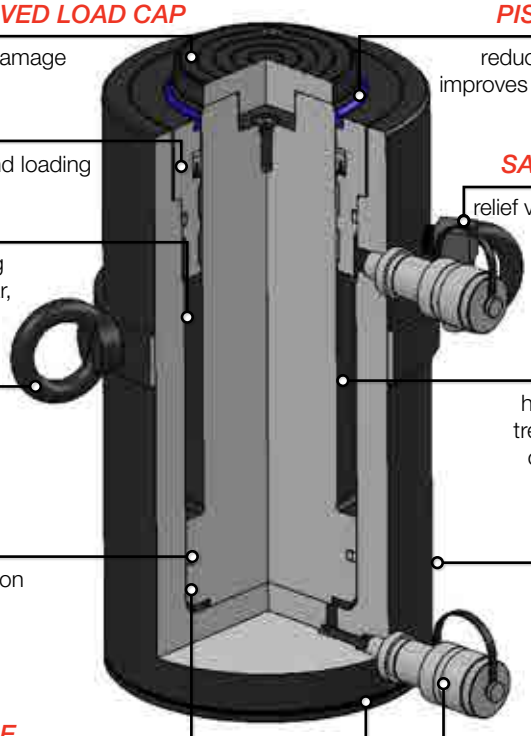
THE **ACD-SERIES** IS A DOUBLE ACTING LIGHTWEIGHT ALUMINIUM CYLINDER. IT IS IDEAL FOR USE IN APPLICATIONS WHERE WEIGHT AND PORTABILITY ARE PARAMOUNT.

ACD-Series cylinders are perfect for bridge lifting, machinery maintenance and other non-production applications. All cylinders incorporate a steel base plate for extra protection.



Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)				
ACD-204	20	214	78	100	31.2	11.5	312	115	260	360	95	63
ACD-2010		214	78	250	31.2	11.5	779	288	430	680	95	63
ACD-306	30	303	140	150	44.2	20.4	663	295	335	485	100	75
ACD-308		303	140	200	44.2	20.4	884	393	385	585	100	75
ACD-506	50	538	275	150	78.5	40.1	1,178	360	350	500	135	100
ACD-508		538	275	200	78.5	40.1	1,570	480	400	600	135	100
ACD-1006	100	1,056	404	150	153.9	58.9	2,309	464	375	525	190	140
ACD-1506	150	1,558	501	150	227.0	73.0	3,405	681	390	540	230	170
ACD-2006	200	2,156	943	150	314.2	137.4	4,712	1,476	415	565	270	200

* Nominal Cylinder Capacity in ton - see kN values for actual capacity



HARDENED GROOVED LOAD CAP
to prevent piston rod damage

GLAND NUT
withstands full dead end loading

CYLINDER BORE
has a special anodising treatment to resist wear, corrosion and damage

HANDLE
is removable

COMPACT SEAL
resists wear and extrusion

BEARING SURFACE
large area to protect against side loading

ANODISED FINISH
resists damage

PISTON ROD WIPER
reduces contaminants and improves service life of cylinder

SAFETY PRESSURE
relief valve protects cylinder from intensification

PISTON ROD
has a special anodising treatment to resist wear, corrosion and damage

LIGHTWEIGHT
high strength aluminium materials

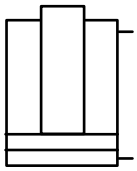
PARKER
industry standard high flow couplings for compatibility

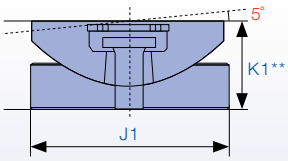


CAPACITY RANGE
20 - 200 ton

STROKE RANGE
100 - 250 mm

MAXIMUM OPERATING PRESSURE
700 bar





F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	Optional Tilt Saddle			Weight (kg)
					Model Number	J1 Diameter (mm)	K1** Height (mm)	
50	25	55	48	15	**TSAC-20**	50	27	5.0
50	55	55	48	15	**TSAC-20**	50	27	8.5
55	25	63	53	18	**TSAC-30**	55	27	7.0
55	25	63	53	18	**TSAC-30**	55	27	8.5
70	25	75	67	18	**TSAC-50**	74	27	12.5
70	25	75	67	18	**TSAC-50**	74	27	14.5
110	30	85	106	20	**TSAC-100**	103	34	27.0
140	40	85	137	21	**TSAC-150**	133	40	41.0
150	45	85	146	28	**TSAC-200**	150	45	58.0

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

Durapac has a range of aluminium lightweight pumps to suit the ***aluminium cylinder range***



P-2200AD

Caution...

Lightweight ***aluminium cylinders*** are ***not*** designed for production applications. Consult Durapac for details on high cycle applications

ACSLC SERIES

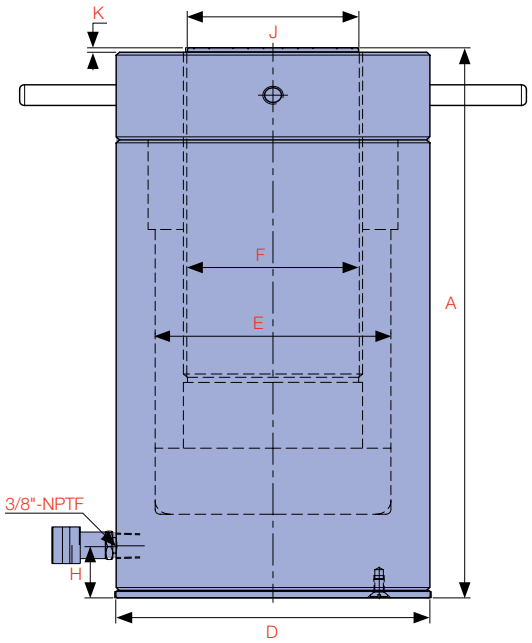
DURAPAC

SINGLE ACTING LOCKING COLLAR ALUMINIUM CYLINDERS



THE **ACSLC-SERIES** IS A SINGLE ACTING SPRING RETURN LOCKING COLLAR ALUMINIUM CYLINDER. IT IS IDEAL FOR USE IN APPLICATIONS WHERE WEIGHT AND PORTABILITY ARE PARAMOUNT.

The design features a threaded piston rod and lock ring. When the lock ring is screwed down and engaged with the cylinder body, the load can be held mechanically for extended periods. These cylinders are ideally suited to applications requiring safe extended load holding. All ACSLC-Series cylinders feature anodised treatment on piston rod and lock ring to resist corrosion and abrasion. All cylinders incorporate a steel base plate for extra protection.

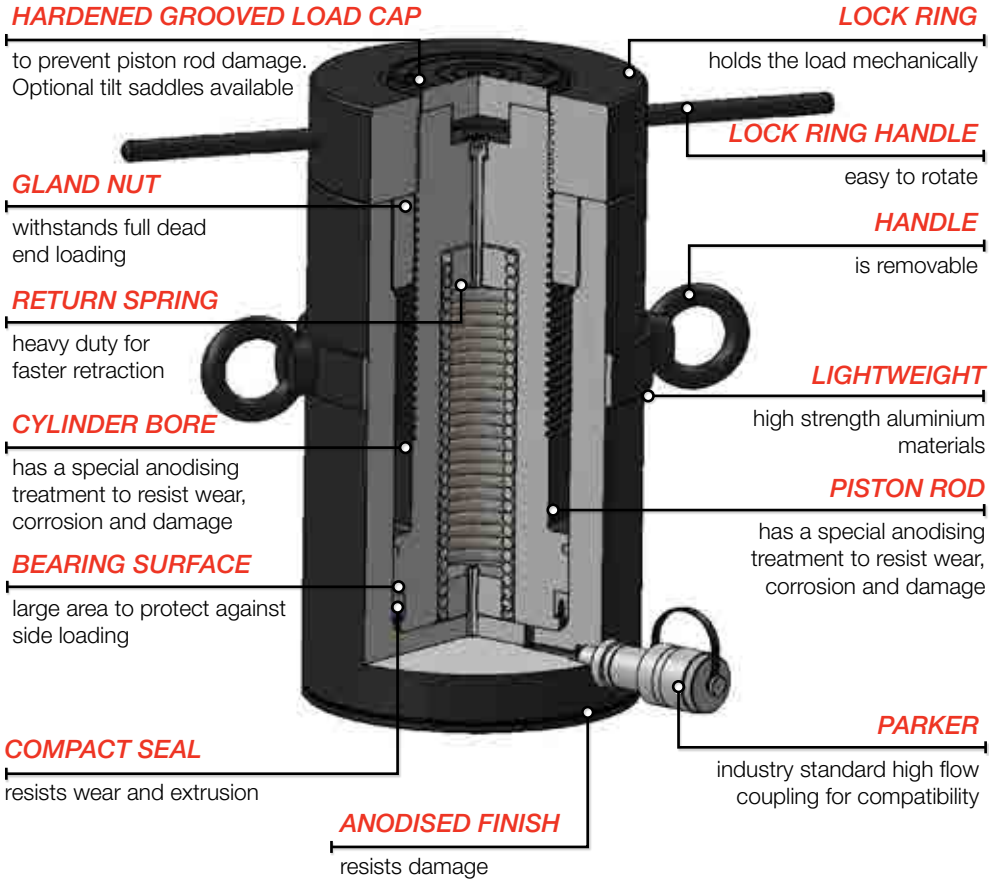


EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

ACSLC-506

Model Number	Cylinder Capacity		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
	ton*	kN								
ACSLC-306	30	303	150	44.2	663	300	450	100	75	60
ACSLC-506	50	539	150	78.5	1,178	335	485	135	100	80
ACSLC-1006	100	1,056	150	153.9	2,309	375	525	190	140	110
ACSLC-1506	150	1,558	150	227.0	3,405	405	555	230	170	140
ACSLC-2006	200	2,156	150	314.2	4,712	430	580	270	200	160

* Nominal Cylinder Capacity in ton - see kN values for actual capacity



HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

GLAND NUT
withstands full dead end loading

RETURN SPRING
heavy duty for faster retraction

CYLINDER BORE
has a special anodising treatment to resist wear, corrosion and damage

BEARING SURFACE
large area to protect against side loading

COMPACT SEAL
resists wear and extrusion

ANODISED FINISH
resists damage

LOCK RING
holds the load mechanically

LOCK RING HANDLE
easy to rotate

HANDLE
is removable

LIGHTWEIGHT
high strength aluminium materials

PISTON ROD
has a special anodising treatment to resist wear, corrosion and damage

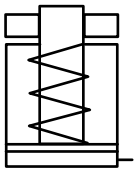
PARKER
industry standard high flow coupling for compatibility



CAPACITY RANGE
30 - 200 ton

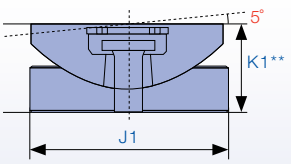
STROKE
150 mm

MAXIMUM OPERATING PRESSURE
700 bar



RPLC-Series pancake locking collar cylinders are perfect for applications that require sustained load holding in a compact low height package 60-500 ton





H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	Optional Tilt Saddle			Weight (kg)
			Model Number	J1 Diameter (mm)	K1** Height (mm)	
25	55	3	**TSAC-30**	55	27	6.8
25	75	3	**TSAC-50**	74	27	13.5
35	103	3	**TSAC-100**	103	34	30.0
40	133	3	**TSAC-150**	133	40	48.0
45	152	3	**TSAC-200**	150	45	69.0

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

Caution...
Lightweight ***aluminium cylinders*** are ***not*** designed for production applications. Consult Durapac for details on high cycle applications

RAP | SERIES

DURAPAC

SINGLE ACTING ALUMINIUM PULL CYLINDERS

THE **RAP-SERIES** IS A SINGLE ACTING LIGHTWEIGHT SPRING RETURN ALUMINIUM PULL CYLINDER. IT IS USED IN STEEL STRUCTURAL WORKS, SHIP BUILDING AND TOWER TENSIONING.

All RAP-Series cylinders feature a hard chrome steel piston rod and bronze overlay on the piston bearing area. Clevis eyes can be removed to allow use of the body and piston rod threads.



EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)
RAP-106	10	109	150	15.7	236
RAP-206	20	197	150	28.2	424
RAP-306	30	307	150	44.0	660
RAP-506	50	504	150	72.1	1,082

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

LIGHTWEIGHT ALUMINIUM BODY
for maximum portability

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life



RETURN SPRING
is sized to ensure efficient piston rod return and maximum spring life

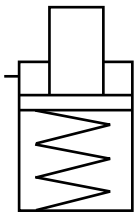
REMOVABLE CLEVIS EYES
allow the use of custom attachments. See Optional Clevis Ends below



CAPACITY RANGE
10 - 50 ton

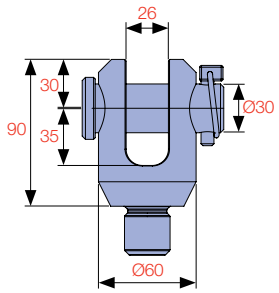
STROKE
150 mm

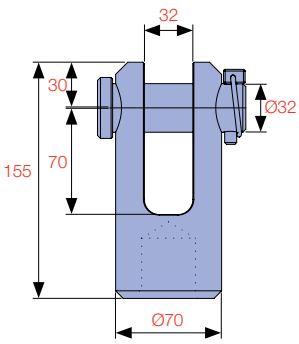
MAXIMUM OPERATING PRESSURE
700 bar



OPTIONAL CLEVIS ENDS

Note: 2 x Clevis and Pin Sets required per cylinder



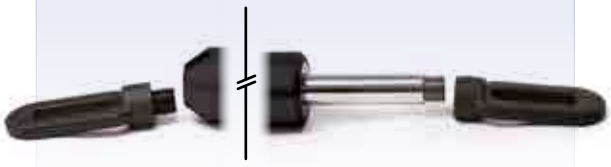


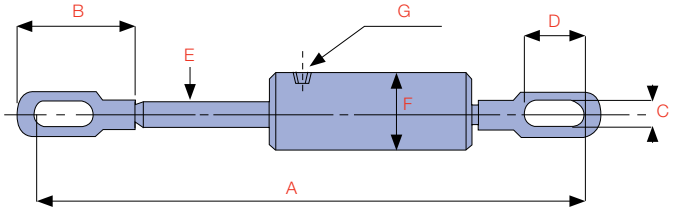
RAP-106-CA suits RAP-106

RAP-206-FCA suits RAP-206

Standard End Threads

Model Number	Base Thread	Piston Rod Thread
RAP-106	M28 x 2.0 female	M28 x 2.0 female
RAP-206	M39 x 3.0 male	M39 x 3.0 male
RAP-306	M45 x 2.5 male	M45 x 2.5 male
RAP-506	M50 x 3.0 male	M50 x 3.0 male





A Extended Height (mm)	B Clevis Length (mm)	C Clevis Eye Height (mm)	D Clevis Eye Length (mm)	E Piston Rod Diameter (mm)	F Cylinder Diameter (mm)	G Port Thread Type	Weight (kg)	Model Number	Handle Type
763	171	30	115	40	88	3/8"-NPTF	10.3	RAP-106	♠
809	201	35	130	45	108	3/8"-NPTF	13.9	RAP-206	♠
875	231	44	145	50	125	3/8"-NPTF	19.0	RAP-306	♠
897	273	50	150	54	158	3/8"-NPTF	34.0	RAP-506	♠

HANDLE TYPE: ♠ THREAD

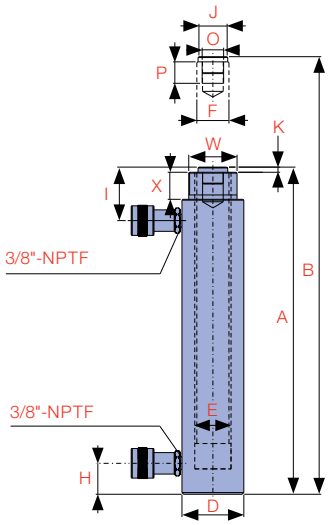
DURAPAC

DOUBLE ACTING COLLAR THREAD CYLINDERS



THE **RD-SERIES** IS A VERSATILE AND HEAVY DUTY DOUBLE ACTING CYLINDER FOR USE IN INDUSTRIAL APPLICATIONS REQUIRING HIGH POWER AND PRECISE POSITIONING OF HEAVY LOADS.

All RD-Series cylinders can be used in high working cycle applications and are perfect for bridge lifting, hydraulic presses, construction and maintenance applications. Cylinder body mounting threads and base mounting holes on most models allow greater mounting flexibility. All cylinders have a hard chrome piston rod, bronze overlay on the piston bearing area and retract side safety pressure relief valves to ensure long term, trouble free performance.



Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)						
RD-1010	10	101	33	254	14.5	4.8	367	124	409	663	73	42.9	34.9	36
RD-1012		101	33	305	14.5	4.8	441	149	457	762	73	42.9	34.9	36
RD-308	30	295	133	209	42.1	19.1	879	399	387	596	101	73.2	54.1	57
RD-3014		295	133	368	42.1	19.1	1,548	702	549	917	101	73.2	54.1	57
RD-506	50	498	150	156	71.2	21.5	1,110	338	332	487	127	95.2	79.5	28
RD-5013		498	150	334	71.2	21.5	2,376	719	509	843	127	95.2	79.5	28
RD-5020		498	150	511	71.2	21.5	3,636	1,100	733	1,244	127	95.2	79.5	57
RD-756	75	718	220	156	102.6	31.4	1,600	490	347	503	146	114.3	95.2	30
RD-7513		718	220	333	102.6	31.4	3,415	1,046	525	858	146	114.3	95.2	30
RD-1006	100	933	435	168	133.3	62.2	2,239	1,044	357	525	177	130.3	95.2	38
RD-10013		933	435	333	133.3	62.2	4,438	2,069	524	857	177	130.3	95.2	38
RD-10018		933	435	460	133.3	62.2	6,131	2,858	687	1,147	177	130.3	95.2	41

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

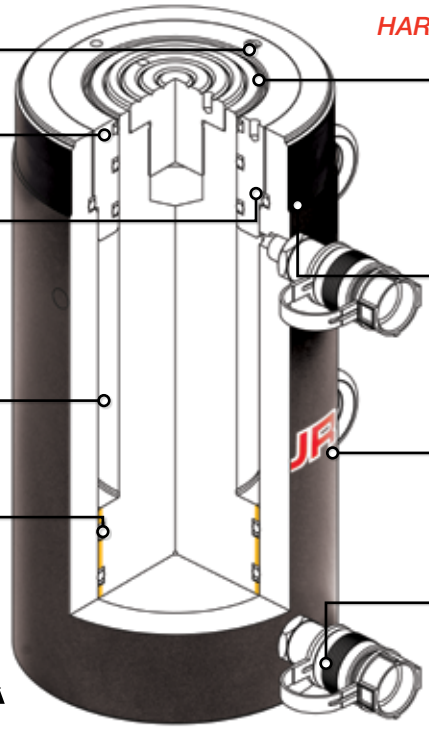
SAFETY PRESSURE
relief valve protects cylinder

PISTON ROD WIPER
reduces contaminants

GLAND NUT
with low friction coating withstands full dead end loading

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life



HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

CYLINDER BODY MOUNTING THREADS
piston rod threads and base mounting holes permit easy fixture

POWDER COATED FINISH
enhances appearance and reduces corrosion

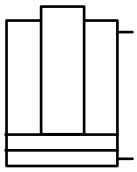
PARKER
industry standard high flow couplings for compatibility

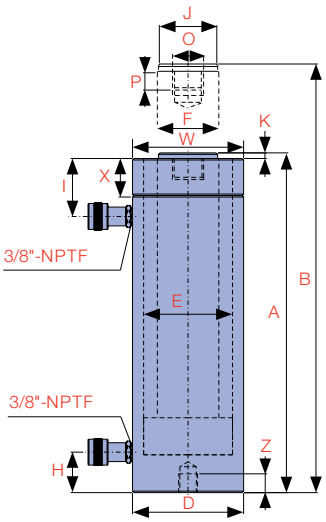


CAPACITY RANGE
10 - 500 ton

STROKE RANGE
57 - 1,219 mm

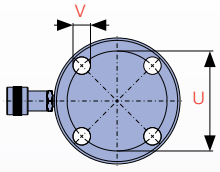
MAXIMUM OPERATING PRESSURE
700 bar





RD-506 - 10018

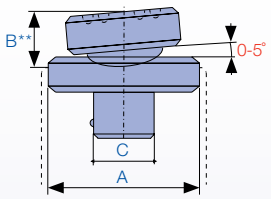
NO MOUNTING HOLES ON 10, 30 & 75 ton, RD-506 & RD-5013 models



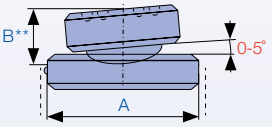
RD-5020 - 10018







TSX-10, 50



TSX-100

I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	O Piston Rod Internal Thread	P Piston Rod Thread Length (mm)	Base Mounting Holes			W Collar Thread (UN)	X Collar Thread Length (mm)	Weight (kg)	Optional Tilt Saddle				Handle Type
					U Bolt Circle Diameter (mm)	V Thread (UNC)	Z Thread Depth (mm)				Model Number	A (mm)	B** (mm)	C (mm)	
57	35	6	1"-8UNC	25	-	-	-	2-1/4"-14	26	12	TSX-10	35	20	22	
57	35	6	1"-8UNC	25	-	-	-	2-1/4"-14	26	14	TSX-10	35	20	22	
81	50	10	1-1/2"-16UN	25	-	-	-	3-5/16"-12	49	18	TSX-50	50	21	36	
81	50	10	1-1/2"-16UN	25	-	-	-	3-5/16"-12	49	29	TSX-50	50	21	36	
76	71	2	1"-12UNF	25	-	-	-	5"-12	50	30	TSX-100	71	25	-	♥
76	71	2	1"-12UNF	25	-	-	-	5"-12	50	52	TSX-100	71	25	-	♥
76	71	2	1"-12UNF	25	76	1/2"-13	25	5"-12	50	68	TSX-100	71	25	-	♥
76	71	6	1"-12UNF	38	-	-	-	5-3/4"-12	50	41	TSX-100	71	25	-	♥
81	71	6	1"-12UNF	38	-	-	-	5-3/4"-12	50	68	TSX-100	71	25	-	♥
71	76	3	1-3/4"-12UN	35	139	3/4"-10	25	6-7/8"-12	50	61	Consult Durapac				♦
71	76	3	1-3/4"-12UN	35	139	3/4"-10	25	6-7/8"-12	50	93	"				♦
92	76	3	1-3/4"-12UN	35	139	3/4"-10	25	6-7/8"-12	50	117	"				♦

HANDLE TYPES: ♦ EYEBOLT ♥ REMOVABLE STRAP HANDLE

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. B)



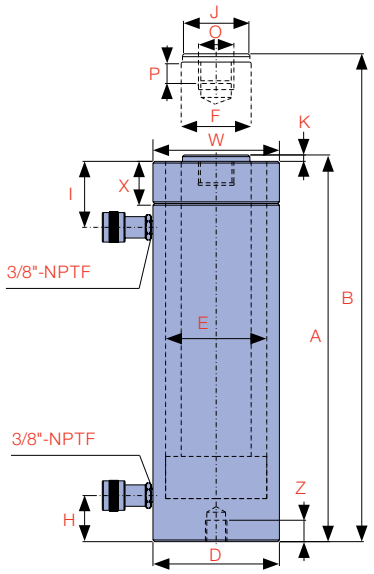




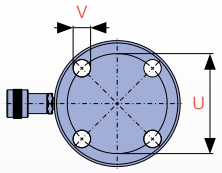
RD-50018 with Opt. Tilt Saddle

Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)						
RD-1502	150	1,386	668	57	198.1	95.4	1,128	544	183	240	203	158.8	114.3	22
RD-1506		1,386	668	156	198.1	95.4	3,088	1,488	385	541	203	158.8	114.3	49
RD-15013		1,386	668	333	198.1	95.4	6,592	3,177	563	897	203	158.8	114.3	49
RD-15032		1,386	668	815	198.1	95.4	16,133	7,775	1,116	1,931	203	158.8	114.3	76
RD-2006	200	1,995	1,017	152	285.0	145.3	4,330	2,207	430	582	247	190.5	133.4	57
RD-20013		1,995	1,017	330	285.0	145.3	9,401	4,791	608	938	247	190.5	133.4	57
RD-20018		1,995	1,017	457	285.0	145.3	13,019	6,635	765	1,222	247	190.5	133.4	85
RD-20024		1,995	1,017	610	285.0	145.3	17,378	8,856	917	1,527	247	190.5	133.4	85
RD-20036		1,995	1,017	914	285.0	145.3	26,049	13,270	1,222	2,136	247	190.5	133.4	85
RD-20048		1,995	1,017	1,219	285.0	145.3	34,741	17,698	1,527	2,746	247	190.5	133.4	85
RD-3006	300	3,201	1,703	153	457.3	243.2	6,993	3,719	485	638	311	241.3	165.1	88
RD-30012		3,201	1,703	305	457.3	243.2	13,941	7,414	638	943	311	241.3	165.1	88
RD-30018		3,201	1,703	457	457.3	243.2	20,888	11,110	790	1,247	311	241.3	165.1	88
RD-30024		3,201	1,703	609	457.3	243.2	27,849	14,805	943	1,552	311	241.3	165.1	88
RD-30036		3,201	1,703	915	457.3	243.2	41,842	22,243	1,247	2,162	311	241.3	165.1	88
RD-30048		3,201	1,703	1,219	457.3	243.2	55,744	29,633	1,552	2,771	311	241.3	165.1	88
RD-4006	400	4,292	2,297	152	613.1	328.1	9,315	4,984	538	690	358	279.4	190.5	108
RD-40012		4,292	2,297	305	613.1	328.1	18,691	10,002	690	995	358	279.4	190.5	108
RD-40018		4,292	2,297	457	613.1	328.1	28,018	14,986	843	1,300	358	279.4	190.5	108
RD-40024		4,292	2,297	610	613.1	328.1	37,399	20,004	995	1,605	358	279.4	190.5	108
RD-40036		4,292	2,297	914	613.1	328.1	56,037	29,973	1,300	2,214	358	279.4	190.5	108
RD-40048		4,292	2,297	1,219	613.1	328.1	74,736	39,974	1,605	2,824	358	279.4	190.5	108
RD-5006	500	5,108	2,838	152	729.7	405.4	11,091	6,175	578	730	397	304.8	203.2	120
RD-50012		5,108	2,838	305	729.7	405.4	22,255	12,357	730	1,035	397	304.8	203.2	120
RD-50018		5,108	2,838	457	729.7	405.4	33,347	18,516	882	1,339	397	304.8	203.2	120
RD-50024		5,108	2,838	609	729.7	405.4	44,438	24,674	1,035	1,644	397	304.8	203.2	120
RD-50036		5,108	2,838	915	729.7	405.4	66,767	37,072	1,339	2,254	397	304.8	203.2	120
RD-50048		5,108	2,838	1,219	729.7	405.4	88,950	49,389	1,644	2,863	397	304.8	203.2	120

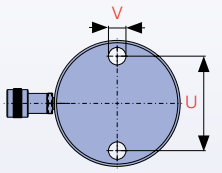
* Nominal Cylinder Capacity in ton - see kN values for actual capacity



RD-1502 - 50048



RD-1506 - 30048



RD-4006 - 50048

NO MOUNTING HOLES ON RD-1502, 15032



I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	O Piston Rod Internal Thread (UN)	P Piston Rod Thread Length (mm)	Base Mounting Holes			W Collar Thread (UN)	X Collar Thread Length (mm)	Weight (kg)	Optional Tilt Saddle				Handle Type
					U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)				Model Number	A (mm)	B (mm)	C (mm)	
66	93	19	-	-	-	-	-	-	-	49	Consult Durapac				♦
84	114	19	3-3/8"-16	35	158	3/4"-16UNF	28	8"-12	55	93	"				♦
84	114	19	3-3/8"-16	35	158	3/4"-16UNF	28	8"-12	55	124	"				♦
88	114	19	3-3/8"-16	35	-	-	-	8"-12	55	238	"				♦
96	133	22	-	-	127	1"-8UNC	25	-	-	147	"				♦
96	133	22	2-1/2"-12	63	127	1"-8UNC	25	9-3/4"-12	54	199	"				♦
101	133	22	2-1/2"-12	63	127	1"-8UNC	25	9-3/4"-12	54	204	"				♦
101	133	22	2-1/2"-12	63	127	1"-8UNC	25	9-3/4"-12	54	279	"				♦
101	133	22	2-1/2"-12	63	127	1"-8UNC	25	9-3/4"-12	54	383	"				♦
101	133	22	2-1/2"-12	63	127	1"-8UNC	25	9-3/4"-12	54	483	"				♦
114	165	28	2-1/2"-12	82	158	1-1/4"-7UNC	44	12-1/4"-12	58	200	"				♦
114	165	28	2-1/2"-12	82	158	1-1/4"-7UNC	44	12-1/4"-12	58	312	"				♦
114	165	28	2-1/2"-12	82	158	1-1/4"-7UNC	44	12-1/4"-12	58	385	"				♦
114	165	28	2-1/2"-12	82	158	1-1/4"-7UNC	44	12-1/4"-12	58	469	"				♦
114	165	28	2-1/2"-12	82	158	1-1/4"-7UNC	44	12-1/4"-12	58	628	"				♦
114	165	28	2-1/2"-12	82	158	1-1/4"-7UNC	44	12-1/4"-12	58	780	"				♦
133	190	28	3"-12	95	203	1-1/2"-6UNC	50	14-1/8"-8	65	303	"				♦
133	190	28	3"-12	95	203	1-1/2"-6UNC	50	14-1/8"-8	65	399	"				♦
133	190	28	3"-12	95	203	1-1/2"-6UNC	50	14-1/8"-8	65	453	"				♦
133	190	28	3"-12	95	203	1-1/2"-6UNC	50	14-1/8"-8	65	597	"				♦
133	190	28	3"-12	95	203	1-1/2"-6UNC	50	14-1/8"-8	65	792	"				♦
133	190	28	3"-12	95	203	1-1/2"-6UNC	50	14-1/8"-8	65	980	"				♦
152	203	28	3-1/4"-12	108	203	1-3/4"-5UNC	54	15-5/8"-8	79	432	"				♦
152	203	28	3-1/4"-12	108	203	1-3/4"-5UNC	54	15-5/8"-8	79	589	"				♦
152	203	28	3-1/4"-12	108	203	1-3/4"-5UNC	54	15-5/8"-8	79	680	"				♦
152	203	28	3-1/4"-12	108	203	1-3/4"-5UNC	54	15-5/8"-8	79	816	"				♦
152	203	28	3-1/4"-12	108	203	1-3/4"-5UNC	54	15-5/8"-8	79	1,002	"				♦
152	203	28	3-1/4"-12	108	203	1-3/4"-5UNC	54	15-5/8"-8	79	1,224	"				♦

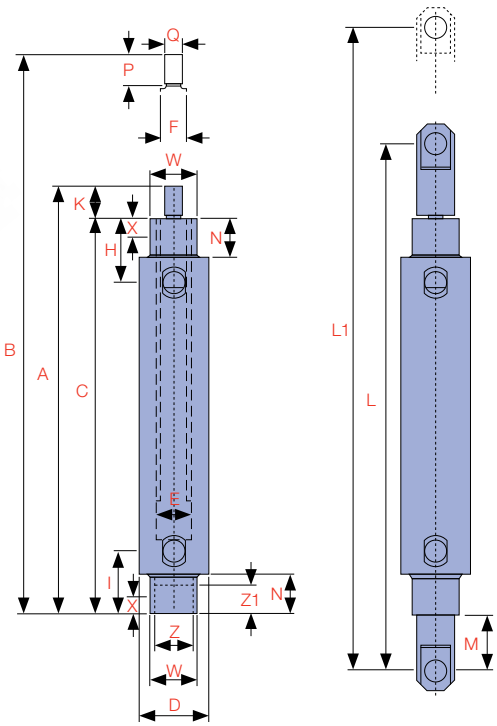
HANDLE TYPES: ♦ EYEBOLT ♥ REMOVABLE STRAP HANDLE

THE **RDP-SERIES** IS A HIGH PRECISION DOUBLE ACTING CYLINDER FOR USE IN APPLICATIONS WHERE ITS UNIQUE MOUNTING CONFIGURATIONS SIMPLIFY INSTALLATION. IT IS THE PERFECT CHOICE FOR PRODUCTION APPLICATIONS DUE TO THEIR HIGH-CYCLE PERFORMANCE.

All RDP-Series cylinders feature a hard chrome piston rod for maximum resistance to corrosion and wear. All models include collar thread, piston rod threads and base mounting holes. Optional mounting accessories including clevis ends are available.



RDP-96



Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	C Body Length (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)						
RDP-41	4	35	16	29	5.1	2.2	14	6	186	214	162	50.1	25.4	19.0
RDP-43		35	16	80	5.1	2.2	40	17	237	316	213	50.1	25.4	19.0
RDP-46		35	16	156	5.1	2.2	79	34	313	468	289	50.1	25.4	19.0
RDP-91	9	80	44	29	11.4	6.3	32	18	223	251	198	63.5	38.1	25.4
RDP-93		80	44	80	11.4	6.3	90	50	274	353	249	63.5	38.1	25.4
RDP-96		80	44	156	11.4	6.3	177	98	350	505	325	63.5	38.1	25.4
RDP-910		80	44	257	11.4	6.3	293	162	452	709	427	63.5	38.1	25.4
RDP-166	16	142	77	159	20.3	10.6	323	169	389	548	359	76.2	50.8	35.0
RDP-1610		142	77	260	20.3	10.6	528	276	491	751	461	76.2	50.8	35.0
RDP-256	25	222	98	159	31.7	13.7	504	218	424	583	397	92.2	63.5	47.8
RDP-2510		222	98	260	31.7	13.7	824	356	526	786	499	92.2	63.5	47.8

*Nominal Cylinder Capacity in ton - see kN values for actual capacity

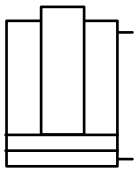




CAPACITY RANGE
4 - 25 ton

STROKE RANGE
29 - 260 mm

MAXIMUM OPERATING PRESSURE
700 bar



Durapac offer a range of clevis eye, retaining nut & foot or flange mounting attachments to suit the ***RDP-Series*** cylinders. Refer to Cylinder Accessories for more details





H Top to Return Port (mm)	I Base to Advance Port (mm)	K Piston Rod Protrusion (mm)	L Clevis Eye Mounting Dim. (mm)	L1 Clevis Eye Mounting Dim. (mm)	M Clevis Eye Mounting Dim. (mm)	N Neck Length (mm)	P Piston Rod Thread Length (mm)	Q Piston Rod Extension Thread	W Collar Thread	X Collar Thread Length (mm)	Z Internal Base Thread	Z1 Internal Base Thread Length (mm)	Weight (kg)
48	48	24	257	286	41.0	29	19.1	1/2"-20	1-3/8"-12	11	1-1/8"-20	9	2.0
48	48	24	307	387	41.0	29	19.1	1/2"-20	1-3/8"-12	11	1-1/8"-20	9	2.6
48	48	24	384	540	41.0	29	19.1	1/2"-20	1-3/8"-12	11	1-1/8"-20	9	3.6
58	58	25	295	324	38.0	38	19.1	3/4"-16	2"-12	14	1-11/16"-18	14	3.0
58	58	25	347	426	38.0	38	19.1	3/4"-16	2"-12	14	1-11/16"-18	14	4.2
58	58	25	423	579	38.0	38	19.1	3/4"-16	2"-12	14	1-11/16"-18	14	5.6
58	58	25	525	782	38.0	38	19.1	3/4"-16	2"-12	14	1-11/16"-18	14	7.3
74	74	30	495	654	52.0	54	25.4	1-1/8"-12	2-5/8"-16	22	2-3/16"-16	24	10.2
74	74	30	593	853	52.0	54	25.4	1-1/8"-12	2-5/8"-16	22	2-3/16"-16	24	14.5
89	89	27	530	689	53.0	70	25.4	1-1/2"-12	3-1/4"-16	29	2-3/4"-16	26	16.0
89	89	27	631	892	53.0	70	25.4	1-1/2"-12	3-1/4"-16	29	2-3/4"-16	26	20.3

RDHG SERIES

DURAPAC

DOUBLE ACTING HIGH TONNAGE CYLINDERS

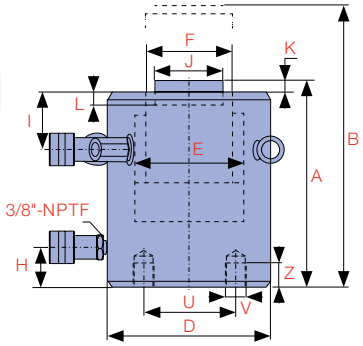


RDHG-3006

RDHG-2502

THE **RDHG-SERIES** IS A DOUBLE ACTING HIGH TONNAGE CYLINDER RANGE UP TO 1,600 TON CAPACITY. FOR USE IN CIVIL CONSTRUCTION, HEAVY JACKING, STRESSING BEDS AND OTHER HIGH LOAD APPLICATIONS.

These cylinders feature a hard chrome piston rod for maximum corrosion resistance and bronze overlay piston bearing area to resist side load induced damage. A built in stop ring ensures maximum performance and safety. Interchangeable hardened grooved load caps are standard and TSG tilt saddles are optional. All cylinders in this range have base mounting holes and a retract side concealed safety pressure relief valve.



RDHG-502 - 15012

Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)						
RDHG-502	50	539	269	50	77.0	38.5	385	192	162	212	130	99	70.1	42
RDHG-504		539	269	100	77.0	38.5	769	384	212	312	130	99	70.1	42
RDHG-506		539	269	150	77.0	38.5	1,154	575	262	412	130	99	70.1	42
RDHG-508		539	269	200	77.0	38.5	1,539	767	312	512	130	99	70.1	42
RDHG-5010		539	269	250	77.0	38.5	1,923	980	362	612	130	99	70.1	42
RDHG-5012		539	269	300	77.0	38.5	2,308	1,151	412	712	130	99	70.1	42
RDHG-1002	100	929	433	50	132.7	61.8	663	309	182	232	165	130	95.0	54
RDHG-1004		929	433	100	132.7	61.8	1,327	618	232	332	165	130	95.0	54
RDHG-1006		929	433	150	132.7	61.8	1,990	927	282	432	165	130	95.0	54
RDHG-1008		929	433	200	132.7	61.8	2,653	1,236	332	532	165	130	95.0	54
RDHG-10010		929	433	250	132.7	61.8	3,317	1,546	382	632	165	130	95.0	54
RDHG-10012		929	433	300	132.7	61.8	3,980	1,855	432	732	165	130	95.0	54
RDHG-1502	150	1,390	675	50	198.5	96.4	992	482	196	246	205	159	114.1	61
RDHG-1504		1,390	675	100	198.5	96.4	1,985	964	246	346	205	159	114.1	61
RDHG-1506		1,390	675	150	198.5	96.4	2,977	1,445	296	446	205	159	114.1	61
RDHG-1508		1,390	675	200	198.5	96.4	3,969	1,927	346	546	205	159	114.1	61
RDHG-15010		1,390	675	250	198.5	96.4	4,961	2,409	396	646	205	159	114.1	61
RDHG-15012		1,390	675	300	198.5	96.4	5,954	2,891	446	746	205	159	114.1	61

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

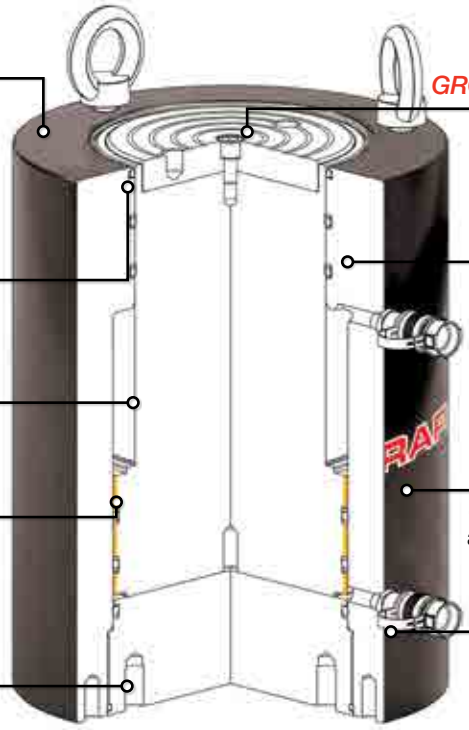
SAFETY PRESSURE
relief valve protects cylinder from intensification

PISTON ROD WIPER
reduces contaminants

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on piston bearing area reduces side load induced damage and extends cylinder life

BASE MOUNTING
holes on all models



HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

STOP RING
withstands full dead end loading

POWDER COATED FINISH
enhances appearance and reduces corrosion

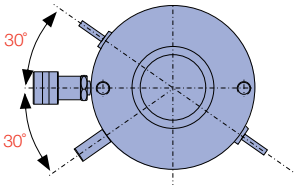
PARKER
industry standard high flow couplings for compatibility



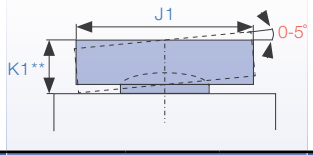
CAPACITY RANGE
50 - 1,600 ton

STROKE RANGE
50 - 300 mm

MAXIMUM OPERATING PRESSURE
700 bar



RDHG-502 - 15012





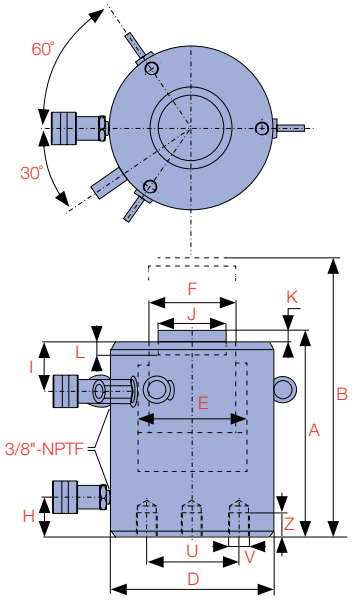
I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Base Mounting Holes			Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
				U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)		Model Number	J1 Diameter (mm)	K1** Height (mm)		
33	50	1	19	65	M12 x 1.75	22	17	TSG-50	50	43	RDHG-502	♦
33	50	1	19	65	M12 x 1.75	22	20	TSG-50	50	43	RDHG-504	♦
33	50	1	19	65	M12 x 1.75	22	23	TSG-50	50	43	RDHG-506	♦
33	50	1	19	65	M12 x 1.75	22	27	TSG-50	50	43	RDHG-508	♦
33	50	1	19	65	M12 x 1.75	22	31	TSG-50	50	43	RDHG-5010	♦
33	50	1	19	65	M12 x 1.75	22	34	TSG-50	50	43	RDHG-5012	♦
48	75	1	19	95	M12 x 1.75	22	29	TSG-100	75	48	RDHG-1002	♦
48	75	1	19	95	M12 x 1.75	22	34	TSG-100	75	48	RDHG-1004	♦
48	75	1	19	95	M12 x 1.75	22	40	TSG-100	75	48	RDHG-1006	♦
48	75	1	19	95	M12 x 1.75	22	46	TSG-100	75	48	RDHG-1008	♦
48	75	1	19	95	M12 x 1.75	22	52	TSG-100	75	48	RDHG-10010	♦
48	75	1	19	95	M12 x 1.75	22	58	TSG-100	75	48	RDHG-10012	♦
56	94	1	19	130	M12 x 1.75	22	39	TSG-150	94	50	RDHG-1502	♦
56	94	1	19	130	M12 x 1.75	22	52	TSG-150	94	50	RDHG-1504	♦
56	94	1	19	130	M12 x 1.75	22	65	TSG-150	94	50	RDHG-1506	♦
56	94	1	19	130	M12 x 1.75	22	78	TSG-150	94	50	RDHG-1508	♦
56	94	1	19	130	M12 x 1.75	22	92	TSG-150	94	50	RDHG-15010	♦
56	94	1	19	130	M12 x 1.75	22	105	TSG-150	94	50	RDHG-15012	♦

HANDLE TYPE: ♦ EYEBOLT

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

DURAPAC

DOUBLE ACTING HIGH TONNAGE CYLINDERS



RDHG-2002 - 16006

CAUTION...

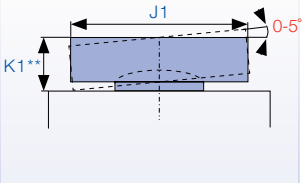
Mounting Hole Orientation
Top mounting hole orientation is maintained to port location
Base mounting hole orientation is ***not*** maintained to port location

Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)						
RDHG-2002	200	1,861	889	50	265.8	126.7	1,329	634	216	266	235	184	133.1	67
RDHG-2006		1,861	889	150	265.8	126.7	3,987	1,901	316	466	235	184	133.1	67
RDHG-20012		1,861	889	300	265.8	126.7	7,973	3,801	466	766	235	184	133.1	67
RDHG-2502	250	2,565	1,068	50	366.2	152.3	1,831	761	235	285	275	216	165.1	73
RDHG-2506		2,565	1,068	150	366.2	152.3	5,494	2,284	335	485	275	216	165.1	73
RDHG-25012		2,565	1,068	300	366.2	152.3	10,987	4,568	485	785	275	216	165.1	73
RDHG-3002	300	3,193	1,060	50	455.9	151.0	2,280	755	312	362	310	241	197.1	101
RDHG-3006		3,193	1,060	150	455.9	151.0	6,839	2,264	412	562	310	241	197.1	101
RDHG-30012		3,193	1,060	300	455.9	151.0	13,678	4,529	562	862	310	241	197.1	101
RDHG-4002	400	3,919	1,354	50	559.6	193.7	2,798	969	374	424	350	267	215.9	114
RDHG-4006		3,919	1,354	150	559.6	193.7	8,394	2,906	474	625	350	267	215.9	114
RDHG-40012		3,919	1,354	300	559.6	193.7	16,789	5,811	624	924	350	267	215.9	114
RDHG-5002	500	5,114	1,733	50	730.2	247.8	3,651	1,239	419	469	400	305	247.9	114
RDHG-5006		5,114	1,733	150	730.2	247.8	10,954	3,717	519	669	400	305	247.9	114
RDHG-50012		5,114	1,733	300	730.2	247.8	21,907	7,434	669	969	400	305	247.9	114
RDHG-6002	600	5,987	2,068	50	854.9	295.4	4,274	1,477	429	479	430	330	267.0	114
RDHG-6006		5,987	2,068	150	854.9	295.4	12,823	4,432	529	679	430	330	267.0	114
RDHG-60012		5,987	2,068	300	854.9	295.4	25,646	8,863	679	979	430	330	267.0	114
RDHG-8002	800	8,234	2,709	50	1,175.7	386.9	5,878	1,934	474	524	505	387	317.0	149
RDHG-8006		8,234	2,709	150	1,175.7	386.9	17,635	5,803	574	724	505	387	317.0	149
RDHG-80012		8,234	2,709	300	1,175.7	386.9	35,271	11,607	724	1,024	505	387	317.0	149
RDHG-10002	1,000†	10,260	3,792	50	1,465.0	542.0	7,325	2,710	564	614	560	432	342.9	174
RDHG-10006		10,260	3,792	150	1,465.0	542.0	21,975	8,130	664	814	560	432	342.9	174
RDHG-100012		10,260	3,792	300	1,465.0	542.0	43,950	16,260	814	1,114	560	432	342.9	174
RDHG-16006	1,600†	15,703	4,798	155	2,289.2	699.5	35,466	10,836	825	980	710	540	450.1	205

* Nominal Cylinder Capacity in ton - see kN values for actual capacity
† Tilt saddle supplied as standard

Durapac offer power units suitable for operating high tonnage cylinders. Models available include split flow synchronised and high flow single speed up to 8.1 Lpm at 700 bar







I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Base Mounting Holes			Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
				U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)		Model Number	J1 Diameter (mm)	K1** Height (mm)		
56	113	1	24	165	M12 x 1.75	22	55	TSG-200	113	59	RDHG-2002	♦
56	113	1	24	165	M12 x 1.75	22	91	TSG-200	113	59	RDHG-2006	♦
56	113	1	24	165	M12 x 1.75	22	146	TSG-200	113	59	RDHG-20012	♦
78	145	1	24	190	M12 x 1.75	22	89	TSG-250	145	70	RDHG-2502	♦
78	145	1	24	190	M12 x 1.75	22	136	TSG-250	145	70	RDHG-2506	♦
78	145	1	24	190	M12 x 1.75	22	207	TSG-250	145	70	RDHG-25012	♦
75	177	1	19	180	M16 x 2	36	184	TSG-300	177	81	RDHG-3002	♦
75	177	1	19	180	M16 x 2	36	232	TSG-300	177	81	RDHG-3006	♦
75	177	1	19	180	M16 x 2	36	303	TSG-300	177	81	RDHG-30012	♦
105	196	3	27	205	M16 x 2	36	270	TSG-400	196	78	RDHG-4002	♦
105	196	3	27	205	M16 x 2	36	330	TSG-400	196	78	RDHG-4006	♦
105	196	3	27	205	M16 x 2	36	421	TSG-400	196	78	RDHG-40012	♦
135	228	3	27	250	M24 x 3	38	401	TSG-500	228	90	RDHG-5002	♦
135	228	3	27	250	M24 x 3	38	480	TSG-500	228	90	RDHG-5006	♦
135	228	3	27	250	M24 x 3	38	599	TSG-500	228	90	RDHG-50012	♦
135	247	3	27	275	M24 x 3	38	474	TSG-600	247	103	RDHG-6002	♦
135	247	3	27	275	M24 x 3	38	565	TSG-600	247	103	RDHG-6006	♦
135	247	3	27	275	M24 x 3	38	701	TSG-600	247	103	RDHG-60012	♦
135	297	3	27	330	M24 x 3	38	741	TSG-800	297	102	RDHG-8002	♦
135	297	3	27	330	M24 x 3	38	868	TSG-800	297	102	RDHG-8006	♦
135	297	3	27	330	M24 x 3	38	1,058	TSG-800	297	102	RDHG-80012	♦
170	323	3	27	375	M24 x 3	38	1,062	TSG-1000†	323	120	RDHG-10002	♦
170	323	3	27	375	M24 x 3	38	1,213	TSG-1000†	323	120	RDHG-10006	♦
170	323	3	27	375	M24 x 3	38	1,439	TSG-1000†	323	120	RDHG-100012	♦
170	-	-	-	400	M24 x 3	30	2,179	TSG-1600†	385	125	RDHG-16006	♦

HANDLE TYPE: ♦ EYEBOLT

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1) † Tilt saddle supplied as standard

RSHG SERIES

DURAPAC

SINGLE ACTING HIGH TONNAGE CYLINDERS



RSHG-3006

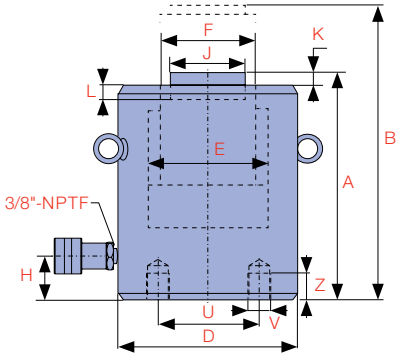


RSHG-2502

EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

THE **RSHG-SERIES** IS A SINGLE ACTING LOAD RETURN HIGH TONNAGE CYLINDER RANGE UP TO 1,000 TON CAPACITY.

These cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to resist side load induced damage. They are ideally suited for use in civil construction, heavy jacking and other high load applications. A built in stop ring ensures maximum performance and safety. Interchangeable hardened grooved load caps are standard and TSG tilt saddles are optional. All cylinders in this range have base mounting holes plus top and side mounted eye bolts for lifting and positioning.



RSHG-502 - 15012

Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
RSHG-502	50	539	50	77.0	385	162	212	130	99	70.1	52
RSHG-504		539	100	77.0	769	212	312	130	99	70.1	52
RSHG-506		539	150	77.0	1,154	262	412	130	99	70.1	52
RSHG-508		539	200	77.0	1,539	312	512	130	99	70.1	52
RSHG-5010		539	250	77.0	1,923	363	613	130	99	70.1	52
RSHG-5012		539	300	77.0	2,308	412	712	130	99	70.1	52
RSHG-1002	100	929	50	132.7	663	182	232	165	130	95.0	54
RSHG-1004		929	100	132.7	1,327	232	332	165	130	95.0	54
RSHG-1006		929	150	132.7	1,990	282	432	165	130	95.0	54
RSHG-1008		929	200	132.7	2,653	332	532	165	130	95.0	54
RSHG-10010		929	250	132.7	3,317	382	632	165	130	95.0	54
RSHG-10012		929	300	132.7	3,980	432	732	165	130	95.0	54
RSHG-1502	150	1,390	50	198.6	992	196	246	205	159	114.1	61
RSHG-1504		1,390	100	198.6	1,985	246	346	205	159	114.1	61
RSHG-1506		1,390	150	198.6	2,977	296	446	205	159	114.1	61
RSHG-1508		1,390	200	198.6	3,969	346	546	205	159	114.1	61
RSHG-15010		1,390	250	198.6	4,961	396	646	205	159	114.1	61
RSHG-15012		1,390	300	198.6	5,954	446	746	205	159	114.1	61

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

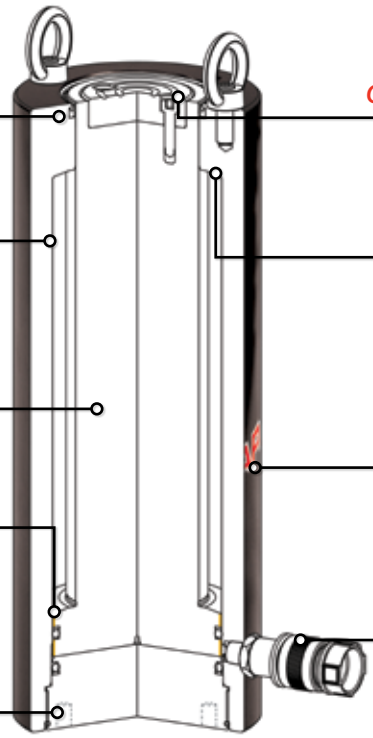
PISTON ROD WIPER
reduces contaminants

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on the piston bearing area reduces side load induced damage and extends cylinder life

BASE MOUNTING
holes on all models



HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

STOP RING
withstands full dead end loading

POWDER COATED FINISH
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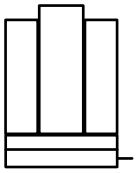
PARKER
industry standard high flow coupling for compatibility

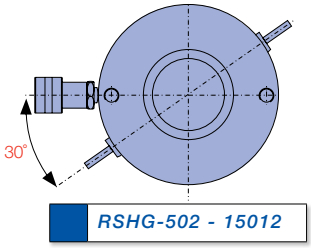


CAPACITY RANGE
50 - 1,000 ton

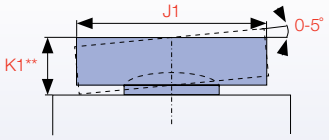
STROKE RANGE
50 - 300 mm

MAXIMUM OPERATING PRESSURE
700 bar





RSHG-502 - 15012





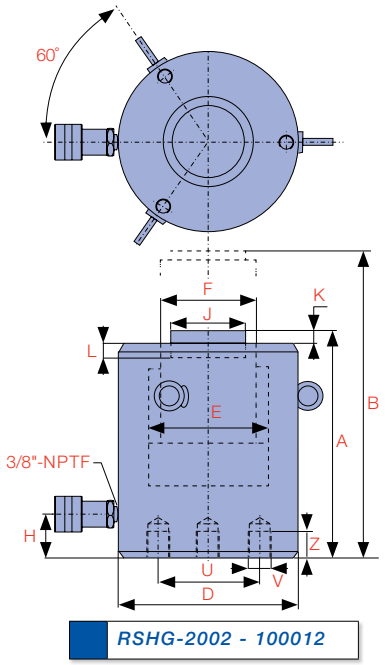
J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Base Mounting Holes			Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
			U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)		Model Number	J1 Diameter (mm)	K1** Height (mm)		
50	1	19	65	M12 x 1.75	22	17	TSG-50	50	43	RSHG-502	♦
50	1	19	65	M12 x 1.75	22	20	TSG-50	50	43	RSHG-504	♦
50	1	19	65	M12 x 1.75	22	23	TSG-50	50	43	RSHG-506	♦
50	1	19	65	M12 x 1.75	22	27	TSG-50	50	43	RSHG-508	♦
50	1	19	65	M12 x 1.75	22	31	TSG-50	50	43	RSHG-5010	♦
50	1	19	65	M12 x 1.75	22	34	TSG-50	50	43	RSHG-5012	♦
75	1	19	95	M12 x 1.75	22	19	TSG-100	75	48	RSHG-1002	♦
75	1	19	95	M12 x 1.75	22	29	TSG-100	75	48	RSHG-1004	♦
75	1	19	95	M12 x 1.75	22	40	TSG-100	75	48	RSHG-1006	♦
75	1	19	95	M12 x 1.75	22	50	TSG-100	75	48	RSHG-1008	♦
75	1	19	95	M12 x 1.75	22	61	TSG-100	75	48	RSHG-10010	♦
75	1	19	95	M12 x 1.75	22	71	TSG-100	75	48	RSHG-10012	♦
94	1	19	130	M12 x 1.75	22	39	TSG-150	94	50	RSHG-1502	♦
94	1	19	130	M12 x 1.75	22	52	TSG-150	94	50	RSHG-1504	♦
94	1	19	130	M12 x 1.75	22	65	TSG-150	94	50	RSHG-1506	♦
94	1	19	130	M12 x 1.75	22	78	TSG-150	94	50	RSHG-1508	♦
94	1	19	130	M12 x 1.75	22	92	TSG-150	94	50	RSHG-15010	♦
94	1	19	130	M12 x 1.75	22	105	TSG-150	94	50	RSHG-15012	♦

HANDLE TYPE: ♦ EYEBOLT

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

DURAPAC

SINGLE ACTING HIGH TONNAGE CYLINDERS



RSHG-2002 - 100012

Durapac offer power units suitable for operating high tonnage cylinders. Models available include split flow synchronised and high flow single speed up to 8.1 Lpm at 700 bar



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)
RSHG-2002	200	1,861	50	265.9	1,329	216	266	235	184	133.1	67
RSHG-2006		1,861	150	265.9	3,987	316	466	235	184	133.1	67
RSHG-20012		1,861	300	265.9	7,973	466	766	235	184	133.1	67
RSHG-2502	250	2,565	50	366.4	1,831	235	285	275	216	165.1	73
RSHG-2506		2,565	150	366.4	5,494	335	485	275	216	165.1	73
RSHG-25012		2,565	300	366.4	10,987	485	785	275	216	165.1	73
RSHG-3002	300	3,193	50	456.2	2,280	312	362	310	241	197.1	101
RSHG-3006		3,193	150	456.2	6,839	412	562	310	241	197.1	101
RSHG-30012		3,193	300	456.2	13,678	562	862	310	241	197.1	101
RSHG-4002	400	3,919	50	559.9	2,798	375	425	350	267	215.9	114
RSHG-4006		3,919	150	559.9	8,394	475	625	350	267	215.9	114
RSHG-40012		3,919	300	559.9	16,789	625	925	350	267	215.9	114
RSHG-5002	500	5,114	50	730.6	3,651	419	469	400	305	247.9	114
RSHG-5006		5,114	150	730.6	10,954	519	669	400	305	247.9	114
RSHG-50012		5,114	300	730.6	21,907	669	969	400	305	247.9	114
RSHG-6002	600	5,987	50	855.3	4,274	429	479	430	330	267.0	114
RSHG-6006		5,987	150	855.3	12,823	529	679	430	330	267.0	114
RSHG-60012		5,987	300	855.3	25,646	679	979	430	330	267.0	114
RSHG-8002	800	8,234	50	1,176.3	5,878	474	524	505	387	317.0	149
RSHG-8006		8,234	150	1,176.3	17,635	574	724	505	387	317.0	149
RSHG-80012		8,234	300	1,176.3	35,271	724	1,024	505	387	317.0	149
RSHG-10002	1,000†	10,260	50	1,465.7	7,325	564	614	560	432	342.9	174
RSHG-10006		10,260	150	1,465.7	21,975	664	814	560	432	342.9	174
RSHG-100012		10,260	300	1,465.7	43,950	814	1,114	560	432	342.9	174

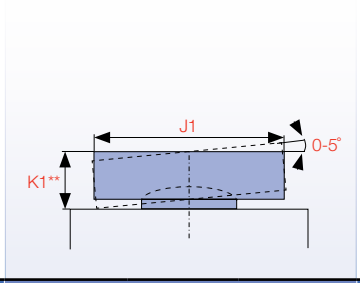
* Nominal Cylinder Capacity in ton - see kN values for actual capacity
† Tilt saddle supplied as standard

Low collapsed height ***RSH-Series*** cylinders are available



CAUTION...

Mounting Hole Orientation
Top mounting hole orientation is maintained to port location
Base mounting hole orientation is ***not*** maintained to port location





J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Base Mounting Holes			Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
			U Bolt Circle Diameter (mm)	V Thread	Z Thread Depth (mm)		Model Number	J1 Diameter (mm)	K1** Height (mm)		
113	1	24	165	M12 x 1.75	22	55	TSG-200	113	59	RSHG-2002	♦
113	1	24	165	M12 x 1.75	22	91	TSG-200	113	59	RSHG-2006	♦
113	1	24	165	M12 x 1.75	22	146	TSG-200	113	59	RSHG-20012	♦
145	1	24	190	M12 x 1.75	22	102	TSG-250	145	70	RSHG-2502	♦
145	1	24	190	M12 x 1.75	22	136	TSG-250	145	70	RSHG-2506	♦
145	1	24	190	M12 x 1.75	22	207	TSG-250	145	70	RSHG-25012	♦
177	1	19	180	M16 x 2	30	184	TSG-300	177	81	RSHG-3002	♦
177	1	19	180	M16 x 2	30	232	TSG-300	177	81	RSHG-3006	♦
177	1	19	180	M16 x 2	30	303	TSG-300	177	81	RSHG-30012	♦
196	3	27	205	M16 x 2	30	270	TSG-400	196	78	RSHG-4002	♦
196	3	27	205	M16 x 2	36	330	TSG-400	196	78	RSHG-4006	♦
196	3	27	205	M16 x 2	36	421	TSG-400	196	78	RSHG-40012	♦
228	3	27	250	M24 x 3	38	401	TSG-500	228	90	RSHG-5002	♦
228	3	27	250	M24 x 3	38	480	TSG-500	228	90	RSHG-5006	♦
228	3	27	250	M24 x 3	38	599	TSG-500	228	90	RSHG-50012	♦
247	3	27	275	M24 x 3	38	474	TSG-600	247	103	RSHG-6002	♦
247	3	27	275	M24 x 3	38	565	TSG-600	247	103	RSHG-6006	♦
247	3	27	275	M24 x 3	38	701	TSG-600	247	103	RSHG-60012	♦
297	3	27	330	M24 x 3	38	741	TSG-800	297	102	RSHG-8002	♦
297	3	27	330	M24 x 3	38	880	TSG-800	297	102	RSHG-8006	♦
297	3	27	330	M24 x 3	38	1,058	TSG-800	297	102	RSHG-80012	♦
323	3	27	375	M24 x 3	38	1,062	TSG-1000†	323	120	RSHG-10002	♦
323	3	27	375	M24 x 3	38	1,213	TSG-1000†	323	120	RSHG-10006	♦
323	3	27	375	M24 x 3	38	1,439	TSG-1000†	323	120	RSHG-100012	♦

HANDLE TYPE: ♦ EYEBOLT
** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1) † Tilt saddle supplied as standard

RSH SERIES

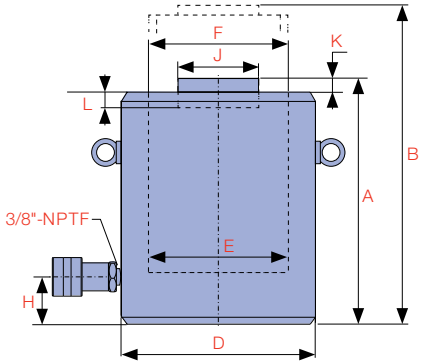
DURAPAC

SINGLE ACTING HIGH TONNAGE CYLINDERS



THE **RSH-SERIES** IS A SINGLE ACTING LOAD RETURN HIGH TONNAGE CYLINDER OFFERING THE LOWEST COLLAPSED HEIGHT.

They are ideally suited for use in civil construction, heavy jacking and other high load applications in confined spaces. These cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to resist side load induced damage. A removable grooved load cap and oil overflow port which restricts piston stroke are standard on all models. TSX tilt saddles are optional. All cylinders in this range have side mounted eye bolts for lifting and positioning.



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
RSH-502	50	496	50	70.9	355	128	178	125	95.0	95.0
RSH-504		496	100	70.9	709	178	278	125	95.0	95.0
RSH-506		496	150	70.9	1,064	228	378	125	95.0	95.0
RSH-508		496	200	70.9	1,418	278	478	125	95.0	95.0
RSH-5010		496	250	70.9	1,773	327	577	125	95.0	95.0
RSH-5012		496	300	70.9	2,127	378	678	125	95.0	95.0
RSH-1002	100	929	50	132.7	664	143	193	165	130.0	130.0
RSH-1004		929	100	132.7	1,327	193	293	165	130.0	130.0
RSH-1006		929	150	132.7	1,991	243	393	165	130.0	130.0
RSH-1008		929	200	132.7	2,654	293	493	165	130.0	130.0
RSH-10010		929	250	132.7	3,318	343	593	165	130.0	130.0
RSH-10012		929	300	132.7	3,981	392	692	165	130.0	130.0
RSH-1502	150	1,390	50	198.6	993	165	215	205	159.0	159.0
RSH-1504		1,390	100	198.6	1,986	215	315	205	159.0	159.0
RSH-1506		1,390	150	198.6	2,979	265	415	205	159.0	159.0
RSH-1508		1,390	200	198.6	3,972	315	515	205	159.0	159.0
RSH-15010		1,390	250	198.6	4,965	365	615	205	159.0	159.0
RSH-15012		1,390	300	198.6	5,958	414	714	205	159.0	159.0

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on the piston bearing area reduces side load induced damage and extends cylinder life



PISTON ROD WIPER
reduces contaminants

OVERFLOW PORT
serves as a maximum stroke limiter

HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

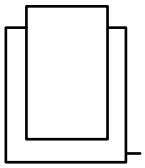
PARKER
industry standard high flow coupling for compatibility

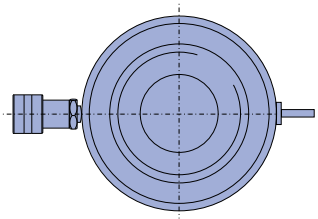


CAPACITY RANGE
50 - 1,000 ton

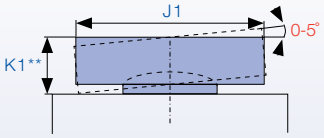
STROKE RANGE
50 - 300 mm

MAXIMUM OPERATING PRESSURE
700 bar





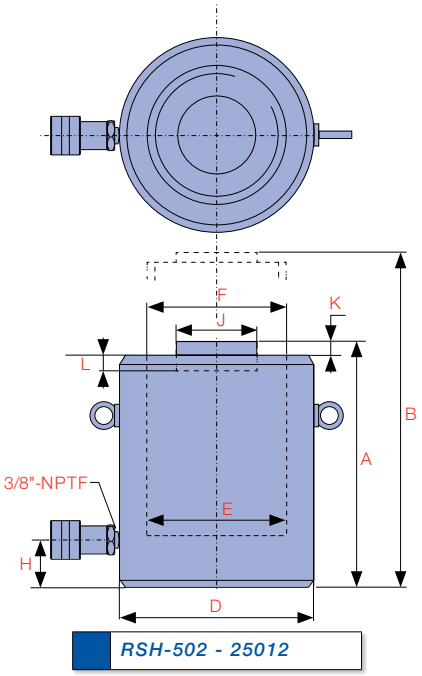
RSH-502 - 15012



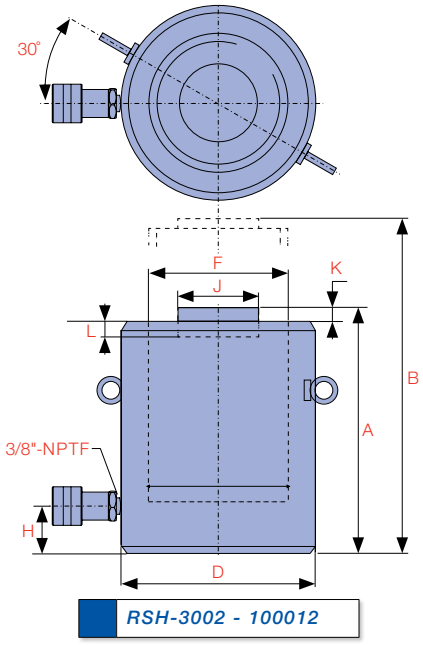


H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
					Model Number	J1 Diameter (mm)	K1** Height (mm)		
30	71	2	13	14	TSX-100	71	24	RSH-502	♦
30	71	2	13	18	TSX-100	71	24	RSH-504	♦
30	71	2	13	23	TSX-100	71	24	RSH-506	♦
30	71	2	13	28	TSX-100	71	24	RSH-508	♦
30	71	2	13	33	TSX-100	71	24	RSH-5010	♦
30	71	2	13	38	TSX-100	71	24	RSH-5012	♦
30	71	2	13	24	TSX-100	71	24	RSH-1002	♦
30	71	2	13	32	TSX-100	71	24	RSH-1004	♦
30	71	2	13	40	TSX-100	71	24	RSH-1006	♦
30	71	2	13	49	TSX-100	71	24	RSH-1008	♦
30	71	2	13	58	TSX-100	71	24	RSH-10010	♦
30	71	2	13	66	TSX-100	71	24	RSH-10012	♦
39	130	2	25	43	TSX-200	130	20	RSH-1502	♦
39	130	2	25	55	TSX-200	130	20	RSH-1504	♦
39	130	2	25	69	TSX-200	130	20	RSH-1506	♦
39	130	2	25	82	TSX-200	130	20	RSH-1508	♦
39	130	2	25	95	TSX-200	130	20	RSH-15010	♦
39	130	2	25	108	TSX-200	130	20	RSH-15012	♦

HANDLE TYPE: ♦ EYEBOLT
** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)



RSH-502 - 25012



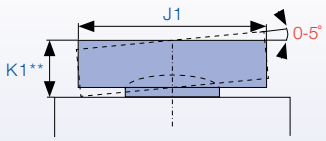
RSH-3002 - 100012

Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
RSH-2002	200	1,859	50	265.6	1,330	193	243	235	183.9	183.9
RSH-2006		1,859	150	265.6	3,989	293	443	235	183.9	183.9
RSH-20012		1,859	300	265.6	7,977	443	743	235	183.9	183.9
RSH-2502	250	2,563	50	366.1	1,832	193	243	275	215.9	215.9
RSH-2506		2,563	150	366.1	5,496	293	443	275	215.9	215.9
RSH-25012		2,563	300	366.1	10,996	443	743	275	215.9	215.9
RSH-3002	300	3,193	50	456.2	2,281	235	285	310	241.0	241.0
RSH-3006		3,193	150	456.2	6,843	335	485	310	241.0	241.0
RSH-30012		3,193	300	456.2	13,710	485	785	310	241.0	241.0
RSH-4002	400	3,919	50	559.9	2,800	265	315	350	267.0	267.0
RSH-4006		3,919	150	559.9	8,399	365	515	350	267.0	267.0
RSH-40012		3,919	300	559.9	16,770	515	815	350	267.0	267.0
RSH-5002	500	5,118	50	731.1	3,656	295	345	400	305.1	305.1
RSH-5006		5,118	150	731.1	10,967	395	545	400	305.1	305.1
RSH-50012		5,118	300	731.1	21,900	545	845	400	305.1	305.1
RSH-6002	600	5,984	50	854.8	4,277	310	360	430	329.9	329.9
RSH-6006		5,984	150	854.8	12,830	410	560	430	329.9	329.9
RSH-60012		5,984	300	854.8	25,710	560	860	430	329.9	329.9
RSH-8002	800	8,238	50	1,176.9	5,882	355	405	505	387.1	387.1
RSH-8006		8,238	150	1,176.9	17,645	455	605	505	387.1	387.1
RSH-80012		8,238	300	1,176.9	35,370	605	905	505	387.1	387.1
RSH-10002	1,000	10,265	50	1,466.4	7,329	385	435	560	432.1	432.1
RSH-10006		10,265	150	1,466.4	21,986	485	635	560	432.1	432.1
RSH-100012		10,265	300	1,466.4	43,950	635	935	560	432.1	432.1

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

RPLC-Series low height locking collar cylinders offer extremely low collapsed height and the ability to ***mechanically support a load***







H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
					Model Number	J1 Diameter (mm)	K1** Height (mm)		
50	130	2	25	66	TSX-200	130	20	RSH-2002	♦
50	130	2	25	101	TSX-200	130	20	RSH-2006	♦
50	130	2	25	154	TSX-200	130	20	RSH-20012	♦
50	150	2	25	90	TSX-250	150	21	RSH-2502	♦
50	150	2	25	137	TSX-250	150	21	RSH-2506	♦
50	150	2	25	208	TSX-250	150	21	RSH-25012	♦
59	139	5	25	137	TSX-300	195	75	RSH-3002	♦
59	139	5	25	198	TSX-300	195	75	RSH-3006	♦
59	139	5	25	288	TSX-300	195	75	RSH-30012	♦
70	159	5	25	200	TSX-400	225	85	RSH-4002	♦
70	159	5	25	275	TSX-400	225	85	RSH-4006	♦
70	159	5	25	390	TSX-400	225	85	RSH-40012	♦
80	179	5	25	289	TSX-500	250	91	RSH-5002	♦
80	179	5	25	390	TSX-500	250	91	RSH-5006	♦
80	179	5	25	540	TSX-500	250	91	RSH-50012	♦
85	194	5	25	350	TSX-600	275	96	RSH-6002	♦
85	194	5	25	465	TSX-600	275	96	RSH-6006	♦
85	194	5	25	640	TSX-600	275	96	RSH-60012	♦
100	224	5	25	549	TSX-800	320	123	RSH-8002	♦
100	224	5	25	709	TSX-800	320	123	RSH-8006	♦
100	224	5	25	950	TSX-800	320	123	RSH-80012	♦
110	249	5	25	729	TSX-1000	360	136	RSH-10002	♦
110	249	5	25	921	TSX-1000	360	136	RSH-10006	♦
110	249	5	25	1,210	TSX-1000	360	136	RSH-100012	♦

HANDLE TYPE: ♦ EYEBOLT

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)

CYLINDER **STACK PLATE KITS** ARE AN EFFECTIVE ECONOMICAL SOLUTION WHERE AN EXTRA INCREASE IN CLOSED HEIGHT IS DESIRABLE.

They are designed for use with the RFJ-Series flat cylinders and incorporate a magnet to attach to the cylinder. All kits include an RFJ cylinder and carry case.



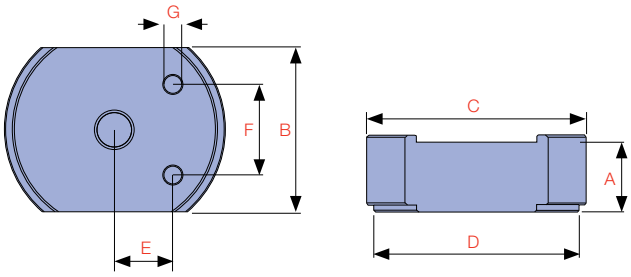
HEIGHT ADJUSTABLE
between 3.4-73.3 mm

MAGNETIC CENTRE
for helping position stack plates

CARRY CASE & RFJ CYLINDER
included in kit

Durapac offer a range of lightweight hand pumps, the perfect choice when portable manual power is desirable

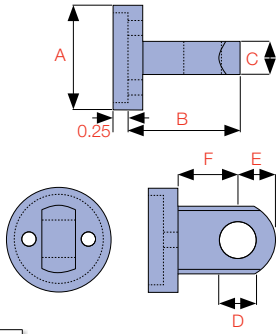




Kit Model No.	Includes Cylinder Model	STD Cylinder Height (mm)	Dimensions (mm)										Kit Weight (kg)
			A - Stack Plate Height				B	C	D	E	F	G	
			1	2	3	4							
CSK-5	RFJ-50	32	3.4	12.7	25.4	31.8	41.4	64.7	58.7	13.6	28.5	5.1	2.4
CSK-10	RFJ-100	43	9.9	20.0	39.9	-	55.6	90.6	82.6	20.5	36.6	7.1	3.8
CSK-20	RFJ-200	51	9.9	20.0	39.9	-	76.2	109.6	101.6	28.4	49.3	10.1	7.0
CSK-30	RFJ-300	58	9.9	20.0	39.9	-	95.3	125.6	117.6	33.4	52.3	10.1	10.1

BASE CLEVISES

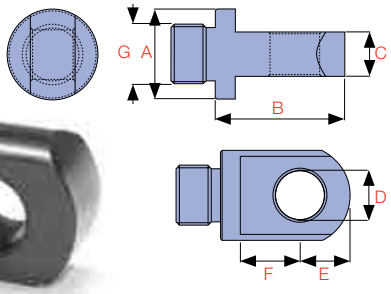




Model No.	Cylinder Capacity (ton)	Dimensions (mm)						Suits Models
		A	B	C	D	E	F	
CBC-5	5	44	47	14	16	16	25	RG 5 ton
CBC-10	10	63	66	25	22	25	35	RG 10 ton
CBC-15	15	76	66	25	22	25	35	RG 15 ton
CBC-25	25	95	79	38	31	31	41	RG 25 ton

PISTON ROD CLEVISES

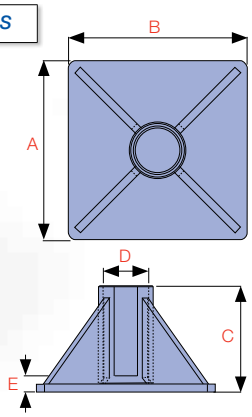




Model No.	Cylinder Capacity (ton)	Dimensions (mm)							Suits Models
		A	B	C	D	E	F	G	
CPC-5	5	28	41	14	16	16	19	3/4"-16UNF	RG 5 ton
CPC-1015	10/15	42	61	25	22	25	28	1"-8UNC	RG 10/15 ton
CPC-25	25	57	74	38	31	31	35	1 1/2"-16UN	RG 25 ton

CYLINDER JACKING BASES

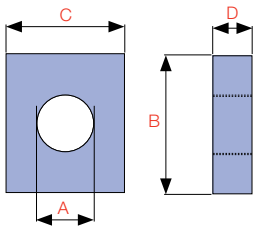




Model No.	Cylinder Capacity (ton)	Dimensions (mm)					Suits Models
		A	B	C	D	E	
CB-10	10	228	228	135	58	20	RG 10 ton
CB-25	25	279	279	140	86	26	RG 25 ton
CB-50	50	300	300	100	130	41	RG 50 ton
CB-50A	50	300	300	100	128	41	RSLC 50 ton

MOUNTING BLOCKS





Model No.	Cylinder Capacity (ton)	Dimensions (mm)				Suits Models
		A	B	C	D	
CMB-5	5	1 1/2"-16UN	88	76	25	RG 5 ton
CMB-10	10	2 1/4"-14UN	114	88	25	RG 10 ton
CMB-15	15	2 3/4"-16UN	101	114	38	RG 15 ton
CMB-25	25	3 5/16"-12UN	127	165	50	RG 25 ton

BASE ATTACHMENT

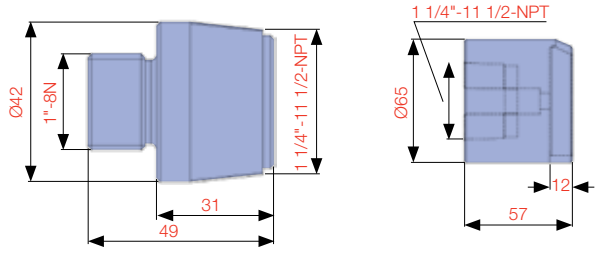


ZAM1245

THREAD ADAPTOR



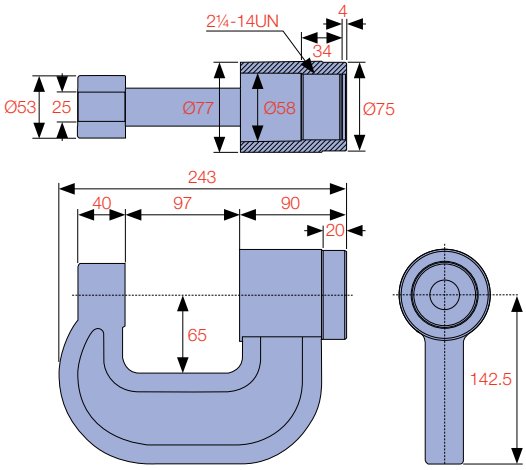
ZAM1246



ZAM1245 and ZAM1246 allow Durapac RG 10 ton series cylinders (excluding RG-101) to be used with CRK-10 attachments.

DCC-10 CLAMP

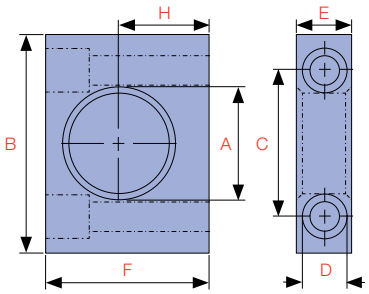




Weight: 4.8 kg (without cylinder)

DCC-10 CLAMP MAY BE USED WITH A RG-106 10 TON CYLINDER^

FOOT MOUNTING FOR USE WITH RETAINING NUT



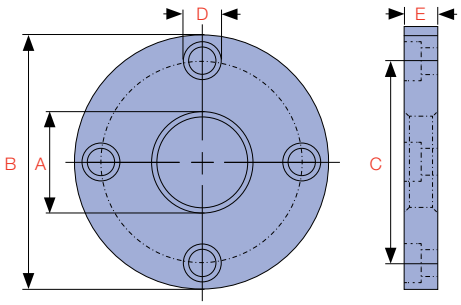
Model No.	Cylinder Capacity		Dimensions (mm)							Suits Model
	ton*	kN	A	B	C	D	E	F	H	
RAD-141	4	35	35.1	76.2	58.0	10.5	20.0	57.0	31.8	RDP 4 ton
RAD-171	9	80	50.8	101.6	78.0	13.5	25.0	82.5	44.5	RDP 9 ton
RAD-181	16	142	66.8	127.0	95.2	20.0	35.0	100.0	52.4	RDP 16 ton
RAD-191	25	222	82.6	158.8	117.5	26.5	45.0	125.0	63.5	RDP 25 ton





FLANGE MOUNTING FOR USE WITH RETAINING NUT

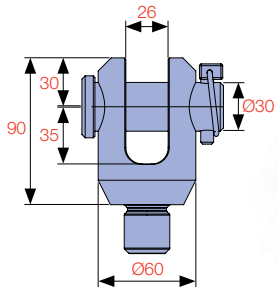
Model No.	Cylinder Capacity		Dimensions (mm)					Suits Model
	ton*	kN	A	B	C	D	E	
RAD-142	4	35	35.1	98.6	78.5	10.4	19.0	RDP 4 ton
RAD-172	9	80	50.8	120.7	98.6	10.4	25.4	RDP 9 ton
RAD-182	16	142	66.8	143.0	115.9	13.5	35.0	RDP 16 ton
RAD-192	25	222	82.6	165.1	135.6	16.8	44.5	RDP 25 ton



*Nominal Cylinder Capacity in ton - see kN values for actual capacity
^ RG cylinder sold separately

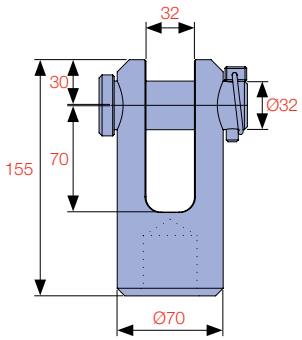
OPTIONAL CLEVIS ENDS

Note: 2 x Clevis and Pin Sets required per cylinder



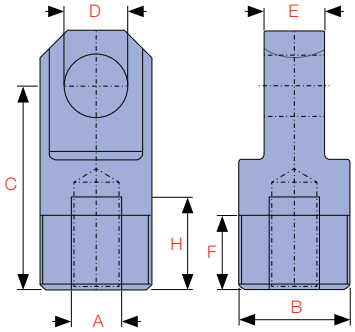


RAP-106-CA suits RAP-106





RAP-206-FCA suits RAP-206



CLEVIS EYE

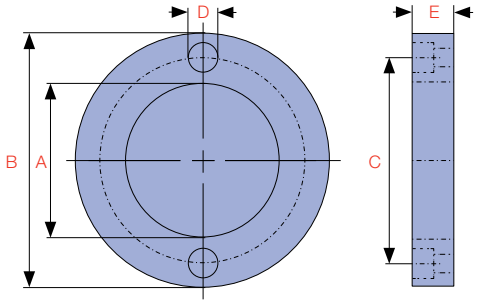
Model No.	Cylinder Capacity		Dimensions (mm)							Suits Model
	ton*	kN	A	B	C	D	E	F	H	
RAD-150**	4	35	1/2"-20	1-1/8"-20	52.4	16.0	15.9	19.1	23.8	RDP 4 ton
RAD-151**	9	80	3/4"-16	1-11/16"-18	57.1	20.0	25.4	25.4	23.8	RDP 9 ton
RAD-152**	16	142	1-1/8"-12	2-3/16"-16	77.8	25.0	31.8	25.4	30.2	RDP 16 ton
RAD-153**	25	222	1-1/2"-12	2-3/4"-16	77.8	32.0	38.2	25.4	27.0	RDP 25 ton





RETAINING NUT

Model No.	Cylinder Capacity		Dimensions (mm)					Suits Model
	ton*	kN	A	B	C	D	E	
RAD-143	4	35	1-3/8"-12	57.0	49.5	6.3	9.5	RDP 4 ton
RAD-173	9	80	2"-12	75.0	65.5	6.7	12.7	RDP 9 ton
RAD-183	16	142	2-5/8"-16	92.0	81.0	6.7	19.0	RDP 16 ton
RAD-193	25	222	3-1/4"-16	108.0	96.5	6.7	25.4	RDP 25 ton



*Nominal Cylinder Capacity in ton - see kN values for actual capacity
**See RDP-Series table for Clevis Eye Mounting Dimensions (L, L1 & M)

THE **P-SERIES** MANUAL HAND PUMPS OFFER A WIDE CHOICE OF STEEL AND ALUMINIUM BODIED MODELS.

Ideally suited to applications where portable manual hydraulic power is required. All models feature low handle effort for easy operation and are engineered for demanding industrial applications. Models are available to operate single and double acting cylinders and tools. All P-Series hand pumps include a factory set safety pressure relief valve and come pre-filled with hydraulic oil.



SPECIFIC MODEL ADVANTAGES

- Drop forged pump head on models **P-170 and P-270** for superior durability
- Unique oil reservoir breather incorporating a pressure relief valve to guard against accidental over pressurisation of the oil reservoir on models **P-2200, P-2200D and P-2260**
- Sealed bladder reservoir design on models **P-235A** and **P-235AT** allows operation in any position
- Twin outlet design pump head incorporating two needle valves on model **P-235AT**
- 2,800 bar working pressure model **P-2100H** can be used for bolt tensioning, bearing removal and high pressure testing



OIL CAPACITY RANGE
350 - 8,000 cc

1ST STAGE FLOW RANGE
3.1 - 113 cc

MAXIMUM OPERATING PRESSURES
240 / 700 / 2,800 bar

Model Number	Usable Oil (cc)	Pressure Stage	Cylinder Capacity (ton)											
			5	10	15	20	25	30	50	75	100	150	200	250
P-235	350	1st	11.2	4.8	3.4	2.5	2.1	1.7	1.0	-	-	-	-	-
		2nd	1.6	0.7	0.5	0.4	0.3	0.2	0.1	-	-	-	-	-
P-235A	350	1st	6.2	2.6	1.9	1.3	1.1	0.9	-	-	-	-	-	-
		2nd	1.0	0.4	0.3	-	-	-	-	-	-	-	-	-
P-235AT	350	1st	6.2	2.6	1.9	1.3	1.1	0.9	-	-	-	-	-	-
		2nd	1.0	0.4	0.3	-	-	-	-	-	-	-	-	-
P-235L	350	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd	4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-250	500	1st	11.2	4.8	3.4	2.5	2.1	1.7	1.0	-	-	-	-	-
		2nd	1.6	0.7	0.5	0.4	0.3	0.2	0.1	-	-	-	-	-
P-170	700	1st	5.0	2.1	1.5	1.1	0.9	0.7	-	-	-	-	-	-
P-270	700	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd	4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-290	900	1st	20.2	8.8	6.2	4.4	3.8	3.0	1.7	1.2	0.9	0.5	-	-
		2nd	4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2100A	1,000	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	-	-	-	-	-
		2nd	3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
P-2100H	1,000	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	-	-	-	-	-
		2nd	1.0	0.4	0.3	0.2	0.2	0.2	0.1	-	-	-	-	-
P-2200	2,000	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd	4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2200A	2,000	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd	3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
P-2200AD	2,000	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd	3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
P-2200D	2,000	1st	20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd	4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2260	2,600	1st	48.0	20.7	14.8	10.6	9.0	7.1	4.2	2.9	2.3	1.5	1.0	-
		2nd	4.8	2.1	1.5	1.1	0.9	0.7	0.4	0.3	0.2	0.2	0.1	-
P-2800	8,000	1st	180.8	78.1	55.7	40.0	34.0	26.9	15.9	11.0	8.5	5.6	4.0	3.1
		2nd	6.4	2.8	2.0	1.4	1.2	1.0	0.6	0.4	0.3	0.2	0.2	0.1
P-2800D	8,000	1st	180.8	78.1	55.7	40.0	34.0	26.9	15.9	11.0	8.5	5.6	4.0	3.1
		2nd	6.4	2.8	2.0	1.4	1.2	1.0	0.6	0.4	0.3	0.2	0.2	0.1

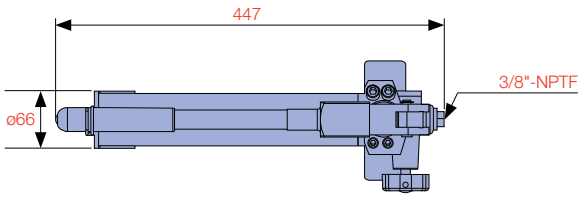
mm of movement for each stroke of the pump handle

THE **P-SERIES** STEEL BODIED MANUAL HAND PUMP RANGE OFFER A WIDE CHOICE OF TANK AND FLOW OPTIONS WHERE MANUAL PORTABLE HYDRAULIC POWER IS REQUIRED.

All pumps have a low handle effort for ease of operation and large, easy to grip external pressure release knobs. All models (excluding P-235L) incorporate a convenient carry handle. For applications requiring a high 1st stage flow the P-2260 offers 30cc per stroke within a compact portable package. Durapac's pump range is a robustly built industry proven performer.

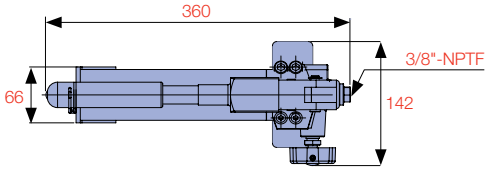


P-250



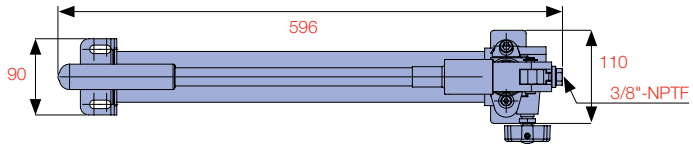


P-235



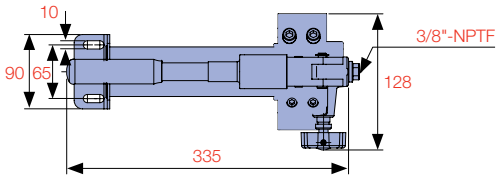


P-170





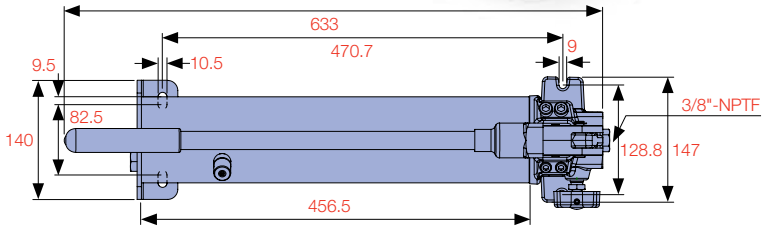
P-235L



Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-170	Single Speed	S/A	2 Way	**700.0**	**-**	**700**	**3.1**	**-**	3/8"-NPTF	33	6.5
P-235	Two Speed	S/A	2 Way	**13.8**	**700**	**350**	**7.0**	**1.0**	3/8"-NPTF	34	5.5
P-235L	Two Speed	S/A	2 Way	**13.8**	**240**	**350**	**13.0**	**2.8**	3/8"-NPTF	25	5.5
P-250	Two Speed	S/A	2 Way	**13.8**	**700**	**500**	**7.0**	**1.0**	3/8"-NPTF	30	6.2
P-270	Two Speed	S/A	2 Way	**13.8**	**700**	**700**	**13.0**	**2.8**	3/8"-NPTF	41	7.3
P-290	Two Speed	S/A	2 Way	**14.0**	**700**	**900**	**12.5**	**2.8**	3/8"-NPTF	33	7.5
P-2200	Two Speed	S/A	2 Way	**13.8**	**700**	**2,000**	**13.0**	**2.8**	3/8"-NPTF	35	11.5
P-2200D	Two Speed	D/A	4 Way	**13.8**	**700**	**2,000**	**13.0**	**2.8**	3/8"-NPTF	37	14.5
P-2260	Two Speed	S/A	2 Way	**28.0**	**700**	**2,600**	**30.0**	**3.0**	3/8"-NPTF	36	13.5



P-2200





OIL CAPACITY RANGE

350 - 2,600 cc

1ST STAGE FLOW RANGE

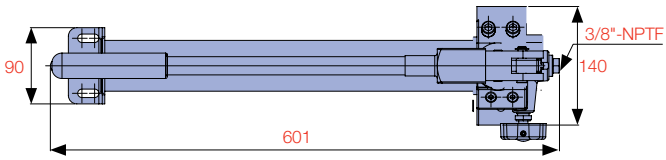
3.1 - 30 cc

MAXIMUM OPERATING PRESSURE

240 / 700 bar

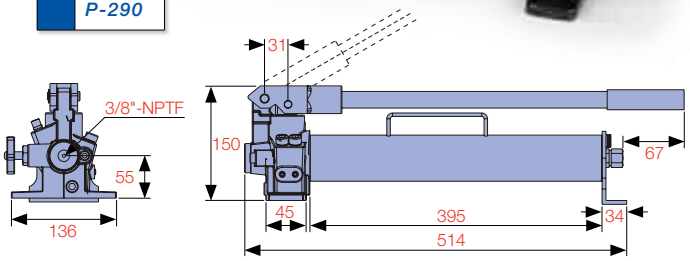


P-270



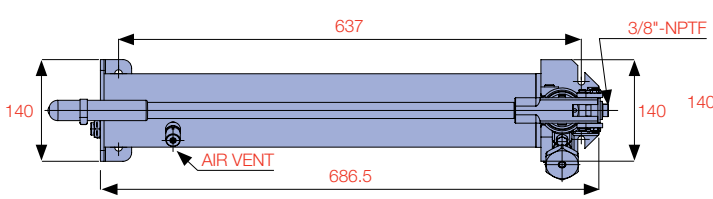


P-290



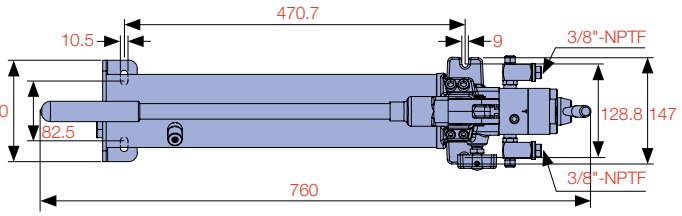


P-2260





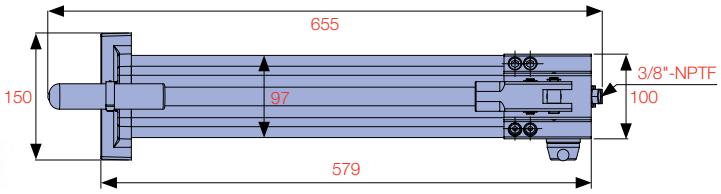
P-2200D



THE **P-SERIES** ALUMINIUM BODIED MANUAL HAND PUMP RANGE IS THE ULTIMATE IN LIGHTWEIGHT PORTABLE POWER.

All feature low handle effort for ease of operation and large easy to grip external pressure release knobs. Both the P-235A and P-235AT models feature a sealed bladder reservoir which allows the pump to be used at any operating angle. The P-235AT features a twin outlet design and incorporates two needle valves within the pump head. In applications requiring ultra-high pressure the P-2100H offers a working pressure up to 2,800 bar. Durapac's pump range is a robustly built industry proven performer.





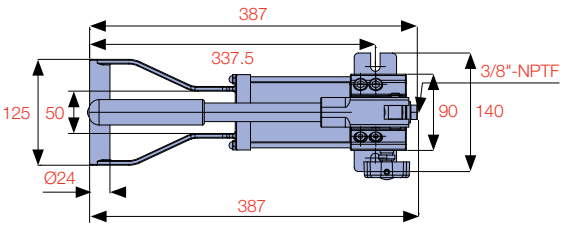
P-2200AD

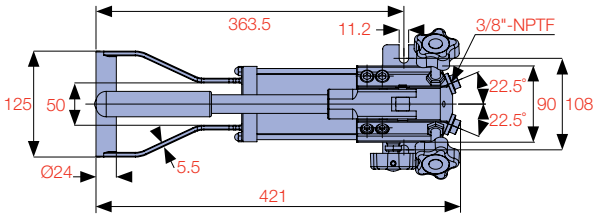


P-235A



P-235AT

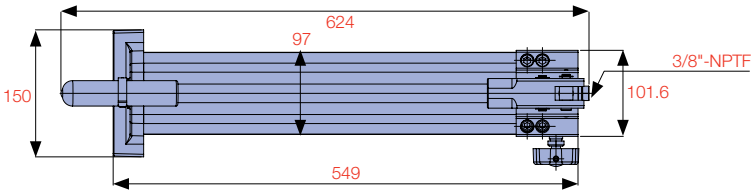




Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-235A	Two Speed	S/A	2 Way	**13.8**	**700**	**350**	**3.9**	**0.59**	3/8"-NPTF	33	3.7
P-235AT	Two Speed	S/A	Twin Outlet	**13.8**	**700**	**350**	**3.9**	**0.59**	3/8"-NPTF	33	3.8
P-2100A	Two Speed	S/A	2 Way	**14.0**	**700**	**1,000**	**13.0**	**2.3**	3/8"-NPTF	40	3.5
P-2100H	Two Speed	S/A	2 Way	**28.0**	**2,800**	**1,000**	**13.0**	**0.7**	3/4"-16UNF	40	6.9
P-2200A	Two Speed	S/A	2 Way	**14.0**	**700**	**2,000**	**13.0**	**2.3**	3/8"-NPTF	39	6.5
P-2200AD	Two Speed	D/A	4 Way	**13.8**	**700**	**2,000**	**13.0**	**2.3**	3/8"-NPTF	38	7.5



P-2200A





OIL CAPACITY RANGE

350 - 2,000 cc

1ST STAGE FLOW RANGE

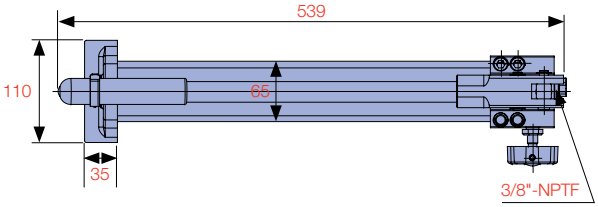
3.9 - 13.0 cc

MAXIMUM OPERATING PRESSURE

700 / 2,800 bar

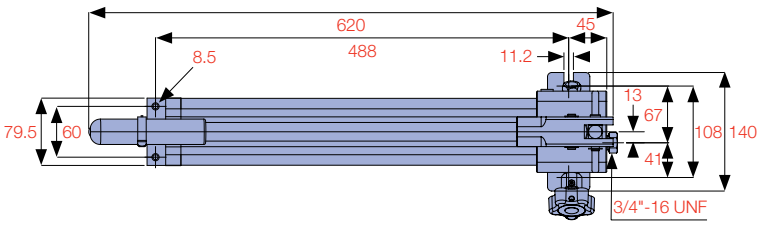


P-2100A





P-2100H ULTRA-HIGH PRESSURE 2,800 BAR WP



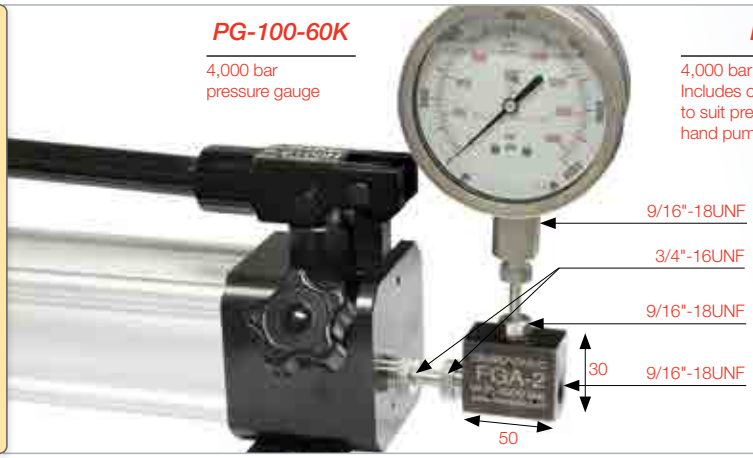
Durapac offer high pressure gauges and a gauge adaptor to suit the P-2100H 2,800 bar hand pump

PG-100-60K

4,000 bar pressure gauge

FGA-2

4,000 bar gauge adaptor
Includes connection nipples to suit pressure gauge and hand pump

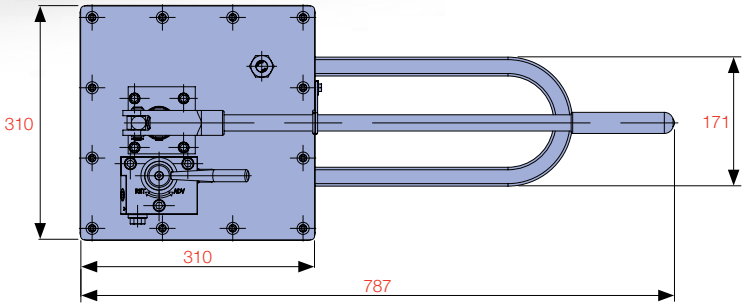


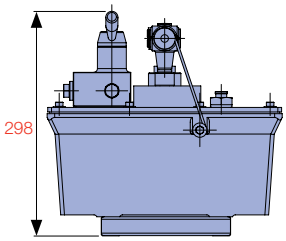
DURAPAC'S **HIGH FLOW MANUAL PUMP RANGE** IS THE ULTIMATE IN HIGH PERFORMANCE TWO SPEED PORTABLE POWER.

Ideally suited to operate high tonnage cylinders where conventional power sources are not available. Both models feature a first stage high flow of 113 cc per stroke for fast cylinder advance and retract and a high pressure power flow of 4 cc per stroke. Available with a 2 way valve for single acting applications or a 4 way valve for double acting applications. Durapac's pump range is robustly built and an industry proven performer.

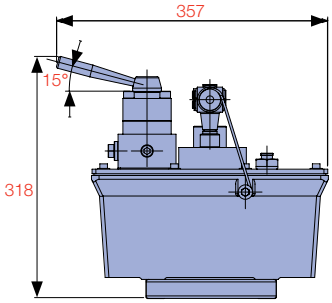


P-2800D

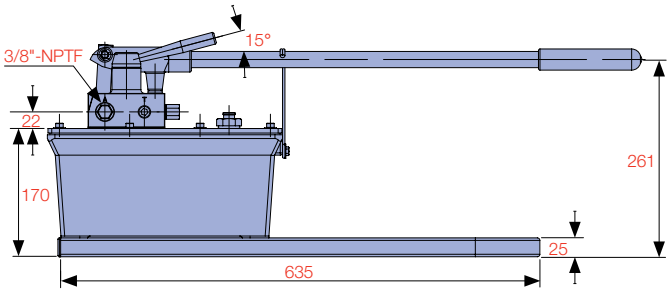




P-2800



P-2800D



Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-2800	Two Speed	S/A	2 Way	**27.5**	**700**	**8,000**	**113.0**	**4.0**	3/8"-NPTF	29	29.0
P-2800D	Two Speed	D/A	4 Way	**27.5**	**700**	**8,000**	**113.0**	**4.0**	3/8"-NPTF	29	30.0

THE **CYLINDER KITS** ARE A CONVENIENT WAY TO PURCHASE REGULARLY REQUESTED CYLINDER AND HAND PUMP COMBINATIONS.

Popular cylinder combinations are available including low profile, aluminium and centre-hole. The range comprises 29 kit options that include a perfectly matched manual hand pump and 2 M hose with coupling. A 63 mm liquid filled pressure gauge with gauge adaptor is included with each kit.



Model	Capacity (ton)*	Stroke (mm)	Collapsed Height	Included in Set				
				Cylinder	Hand Pump	Hose	Gauge	Gauge Adaptor
Aluminium Cylinder Kits - Single Acting Spring Return								
CKA-302	30	50	181	AC-302	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-306		150	281	AC-306	P-2200A	HPS-0602CR	PG-63	FGA-1
CKA-502	50	50	186	AC-502	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-506		150	286	AC-506	P-2200A	HPS-0602CR	PG-63	FGA-1
Hollow Piston Cylinder Kits - Single Acting Spring Return								
CKH-121	12	42	120	RHS-121	P-270	HPS-0602CR	PG-63	FGA-1
CKH-123		76	184	RHS-123	P-270	HPS-0602CR	PG-63	FGA-1
CKH-202	20	49	162	RHS-202	P-270	HPS-0602CR	PG-63	FGA-1
CKH-206		155	306	RHS-206	P-270	HPS-0602CR	PG-63	FGA-1
CKH-302	30	64	178	RHS-302	P-270	HPS-0602CR	PG-63	FGA-1
CKH-306		155	330	RHS-306	P-2200	HPS-0602CR	PG-63	FGA-1
Low Profile Cylinder Kits - Single Acting Spring Return								
CKL-50	5	6	32	RFJ-50	P-270	HPS-0602CR	PG-63	FGA-1
CKL-100	10	12	43	RFJ-100	P-270	HPS-0602CR	PG-63	FGA-1
CKL-101		38	88	RLP-101	P-270	HPS-0602CR	PG-63	FGA-1
CKL-200	20	11	51	RFJ-200	P-270	HPS-0602CR	PG-63	FGA-1
CKL-201		45	98	RLP-201	P-270	HPS-0602CR	PG-63	FGA-1
CKL-300	30	13	58	RFJ-300	P-270	HPS-0602CR	PG-63	FGA-1
CKL-302		62	117	RLP-302	P-270	HPS-0602CR	PG-63	FGA-1
CKL-500	50	16	66	RFJ-500	P-270	HPS-0602CR	PG-63	FGA-1
CKL-502		60	122	RLP-502	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1000	100	16	85	RFJ-1000	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1002		57	141	RLP-1002	P-2200	HPS-0602CR	PG-63	FGA-1
General Jacking Cylinder Kits - Single Acting Spring Return								
CKG-102	10	54	121	RG-102	P-270	HPS-0602CR	PG-63	FGA-1
CKG-106		156	247	RG-106	P-270	HPS-0602CR	PG-63	FGA-1
CKG-252	25	50	165	RG-252	P-270	HPS-0602CR	PG-63	FGA-1
CKG-254		102	215	RG-254	P-270	HPS-0602CR	PG-63	FGA-1
CKG-256		158	273	RG-256	P-270	HPS-0602CR	PG-63	FGA-1
CKG-502	50	51	176	RG-502	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-504		101	227	RG-504	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-506		159	282	RG-506	P-2200	HPS-0602CR	PG-63	FGA-1

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

BP SERIES

DURAPAC

BATTERY POWER UNITS

THE **BP-SERIES** IS A LIGHTWEIGHT BUT HEAVY DUTY INDUSTRIAL PLATFORM BATTERY PUMP DESIGNED TO OPERATE A RANGE OF SINGLE AND DOUBLE ACTING TOOLS INCLUDING CYLINDERS, CRIMPING AND CUTTING TOOLS, NUT SPLITTERS AND MOST OTHER TOOLS OPERATING AT 700 BAR WORKING PRESSURE.

The BP150A can operate double acting hydraulic torque wrenches in semi-automatic or manual mode, as well as single and double acting tools simply by selecting the appropriate mode. Both pumps feature a powerful disk motor and come complete with Bluetooth remote, a corded remote and an external battery charger.



BP150A

BP114A

Model No.	Usable Oil (cc)	Pressure Rating (bar)	Motor Peak Power (W)	Flow (Lpm)		Dry Weight (kg)	Dimensions W x L x H (mm)
				Low	High		
BP114A	1,000	700	1,400	1.02	0.42	7.15	185 x 250 x 270
BP150A	1,000	700	4,000	1.99	0.97	9.00	185 x 250 x 270

INTERNALLY FITTED BATTERY
50.4 VDC, 7.83 Ah which is sufficient for a full working day

DURABLE DESIGN
rugged and heavy duty plastic housing with carry handle

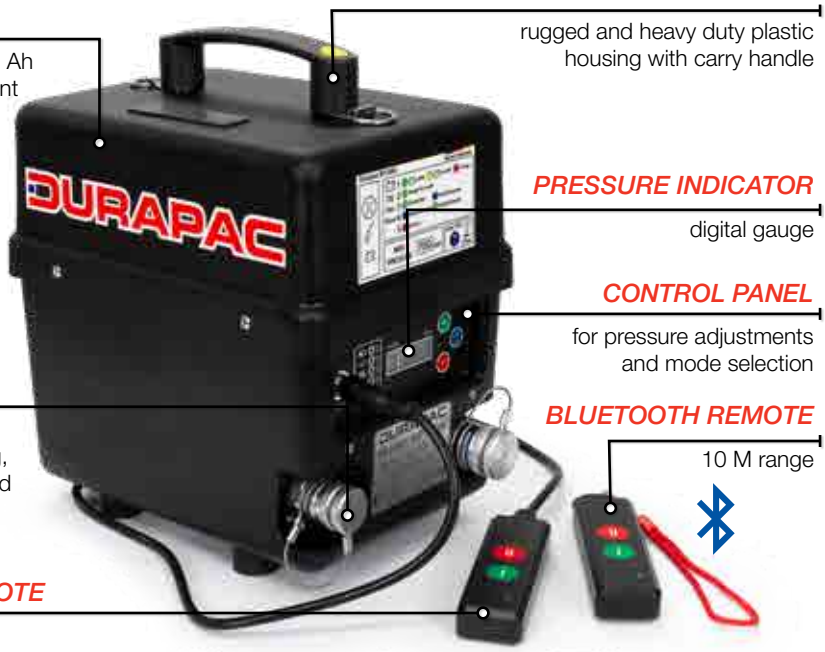
PRESSURE INDICATOR
digital gauge

CONTROL PANEL
for pressure adjustments and mode selection

ADVANCE PORT FITTED
with CEJN 116 female coupling, retract port fitted with CEJN 115 male coupling

BLUETOOTH REMOTE
10 M range

WIRED REMOTE
2.5 M



EXTERNAL CHARGER
plug in type. Input voltage 100 to 230 Volt, 50/60 Hz





MOTOR PEAK POWER RANGE
1,400 - 4,000 W

FLOW RANGE
0.42 - 0.97 Lpm @ 700 bar

MAXIMUM OPERATING PRESSURE
700 bar^
^850 bar on request

The maximum operating pressure can be factory set to lower values for operating tools at less than 700 bar. Consult Durapac for details



The BP150A has a ***torque wrench mode*** and is ideal for wrench applications where ***portability is paramount***



Single Activity Tool Mode*	Double Acting Tool Mode*	Torque Wrench Mode Manual	Torque Wrench Mode Semi-automatic	Adjustable Pressure Control#
✓	×	×	×	✓
✓	✓	✓	✓	✓

* VCV-66 Load Holding Valve needs to be ordered separately - to allow extended load holding during jacking
# When enabled in the software, consult Durapac for details

THE **SPE 35 & 45 SERIES** ARE COMPACT PORTABLE ELECTRIC POWER UNITS.

These powerful units are lightweight, cost effective and have a number of valve and pump functionality options to ensure that there is a suitable pump for every application. Having low amperage draw motors they are ideal for field use or indoors.



SPES45054WPL



SPES3502AR

Model	Usable Oil (L)	Pressure Stage	Flow (Lpm)	Force (ton)									
				Piston Rod speed (mm) per second	10	15	20	25	30	50	75	100	150	200
Two Speed														
35 Series - Two Speed	1.6	1st	2.00		23.0	16.0	12.0	10.0	8.0	4.0	3.0	3.0	-	-
		2nd	0.20		2.0	1.6	1.2	1.0	0.8	0.4	0.3	0.3	-	-
45 Series - Two Speed	4*	1st	2.50		29.0	21.0	15.0	13.0	10.0	5.0	4.0	3.0	2.1	1.6
		2nd	0.35		4.0	3.0	2.0	2.0	1.4	0.8	0.6	0.4	0.3	0.2

* A 2 L tank is also available – to order the smaller tank size; remove "L" from the end of the model number, eg. "SPES45054WP"

STEEL OIL RESERVOIR
with internal bladder allows pump to be used at any angle

ELECTRIC COMMUTATOR MOTOR
0.35 kW (0.47 HP)
230 V 50/60 Hz 2.5 A or
115 V 50/60 Hz 6 A (option)

DIRECTIONAL CONTROL VALVES
available in manual or solenoid versions to suit single and double acting cylinders

REMOTE PENDANT CONTROL
2.5 M is standard supply on all 35-Series





MOTOR SIZE RANGE
0.35 - 0.45 kW

FLOW RANGE
0.2 - 0.35 Lpm @ 700 bar

MAXIMUM OPERATING PRESSURE
700 bar

PRESSURE GAUGE
63 mm diam. 0-1,000 bar as standard on all 45-Series

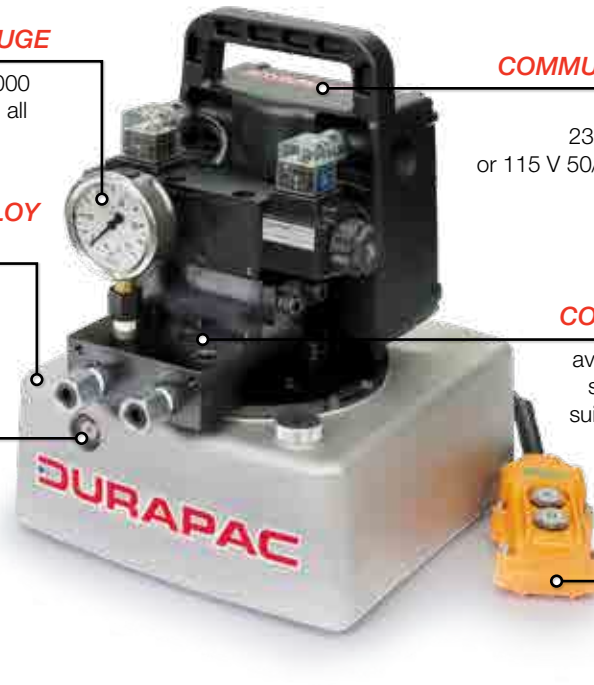
ELECTRIC COMMUTATOR MOTOR
0.45 kW (0.6 HP)
230 V 50/60 Hz 4.5 A
or 115 V 50/60 Hz 11A (option)

ONE PIECE ALLOY RESERVOIR
for lightweight durability

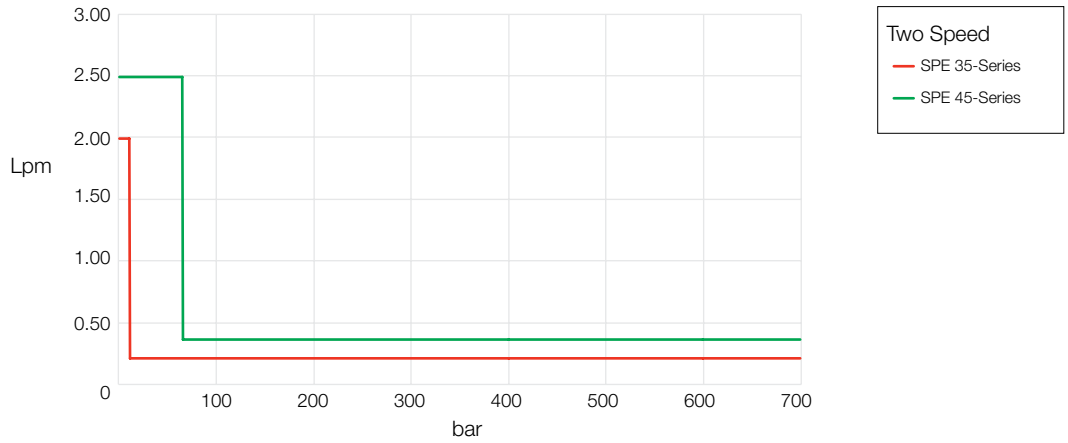
DIRECTIONAL CONTROL VALVES
available in manual or solenoid versions to suit single and double acting cylinders

RESERVOIR SIGHT GAUGE
to monitor oil level

REMOTE PENDANT CONTROL
2.5 M is standard supply on all 45-Series

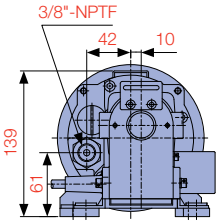


PERFORMANCE TABLE



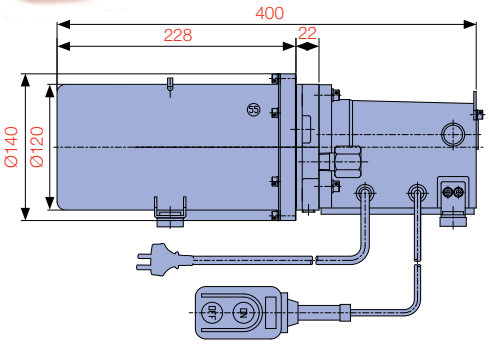
SPES3502NC

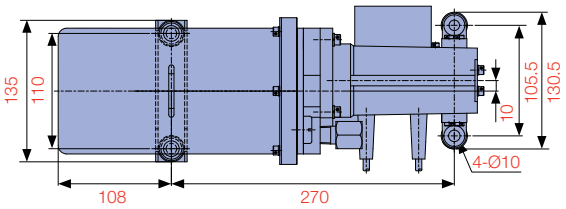




THE **SPE35-SERIES** POWER UNITS ARE CONFIGURED WITH A NUMBER OF VALVE AND PUMP FUNCTIONALITY OPTIONS TO ENSURE THAT THERE IS A SUITABLE POWER UNIT FOR EVERY APPLICATION.

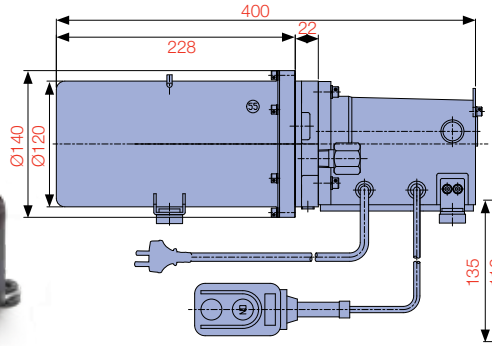
Cost effective, portable and powerful, these units are lightweight and have shoulder strap and handle for transport ease. Extremely simple to use. A pressure switch is an available option on the 35 Series.

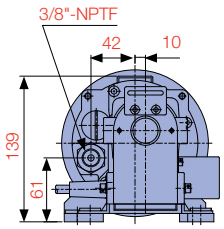


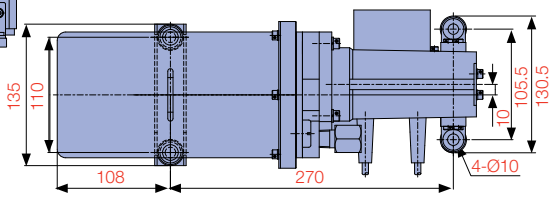


SPES3502NO









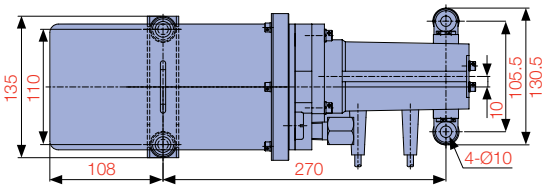
Model	Motor (kW)	Voltage† (1 Ph.)	Hz	Amps	Pressure Rating (bar)	Flow Rate (Lpm)		Control Switch	Usable Oil Capacity (L)
						10 bar	700 bar		
SPE35 Series	0.35	230	50/60	2.5	700	2.0	0.2	Remote ON/OFF	1.6
		115	50/60	6.0					

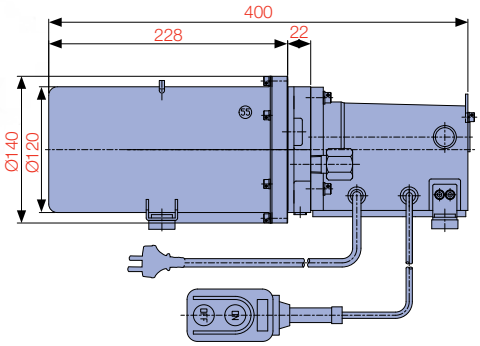
Model Number	Valve Type	Used with Cylinder	Cylinder/Pump Function	Weight (kg)
SPES3502NC	Solenoid Pressure Hold Type	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed. Cylinder cannot be stopped on "Retract"	8.7
SPES3502NO	Solenoid Auto Retract Type	S/A	"Advance" when ON switch is pressed and the motor starts, Auto "Retract" when ON switch is released. The optional pressure switch allows the cylinder to be stopped at set pressure and return automatically	8.7
SPES3502AR	Internal "Pop Off" Valve, Auto Retract Type	S/A	"Advance" when ON switch is pressed and the motor starts. Pop Off relief valve will indicate full pressure. Auto "Retract" when ON switch is released	8.4
SPES3502IN	Solenoid Pressure Hold Type	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed. Cylinder can be stopped on "Retract"	9.0
SPEM35024	4w/3p Manual	D/A	When ON switch is pressed, motor will start. When ON switch is released, motor will stop. Advance, Hold, Retract via manual valve	9.7

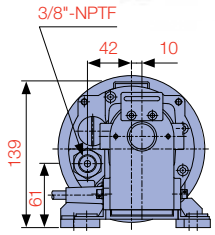
† Standard motor supplied is 230V, should **115V** be required; add "**-115V**" to the end of the model number

SPES3502AR











OIL CAPACITY

1,600 cc

FLOW

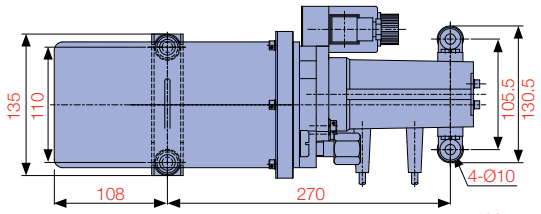
2.0 Lpm @ 10 bar
0.2 Lpm @ 700 bar

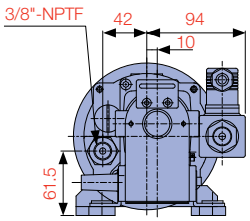
MAXIMUM OPERATING PRESSURE

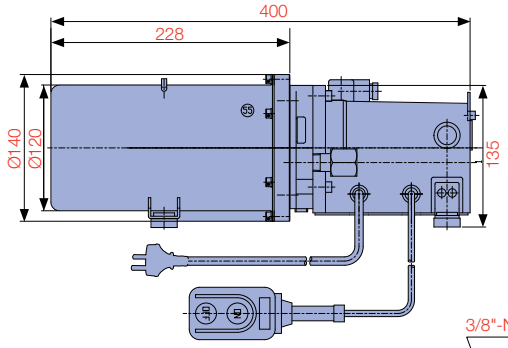
700 bar

SPES3502IN



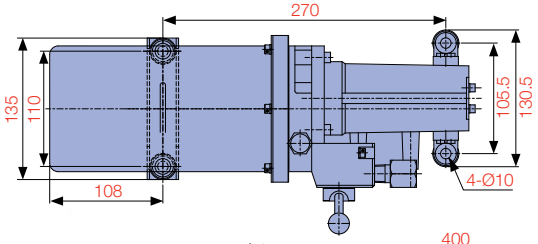


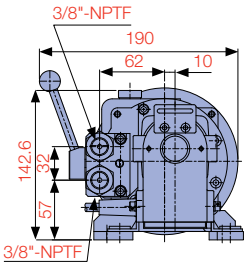


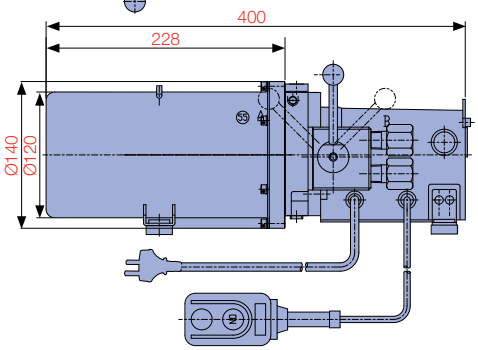


SPEM35024











SPES4505NCL

SPEM45054L

THE **SPE45-SERIES** POWER UNITS ARE CONFIGURED WITH A NUMBER OF VALVE AND PUMP FUNCTIONALITY OPTIONS TO ENSURE THAT THERE IS A SUITABLE PUMP FOR EVERY APPLICATION.

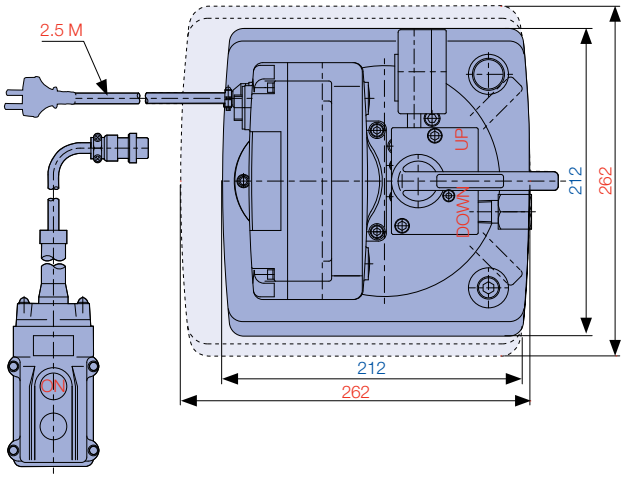
Cost effective, portable and powerful these units are lightweight and have a carry handle integrated into the shroud. Extremely simple to use. Pressure switch, adjustable pressure relief and pilot check valves are available options on the 45 Series.

Model	Motor (kW)	Voltage† (1 Ph.)	Hz	Amps	Pressure Rating (bar)	Flow Rate (Lpm)		Fitted with	Usable Oil Capacity (L)	Optional Small Tank Usable Oil Capacity* (L)
						70 bar	700 bar			
SPE45 Series	0.45	230	50/60	4.5	700	2.5	0.35	Pressure Gauge	4	2
		115	50/60	11.0						

Model Number	Valve Type	Used with Cylinder	Pump Function	Remote Pendant Function 2.4 M	Weight (kg)
SPEM4505ML	Basic	S/A	P.T. manifold, without valve	MOTOR ON/OFF	17.8
SPEM45053L	3w/2p Manual	S/A	Advance, Hold, Retract via manual valve	MOTOR ON/OFF	19.6
SPES4505NCL	3w/2p Solenoid	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed	Adv/Hold/Retract	21.0
SPES4505NOL	2w/2p Solenoid	S/A	"Advance" when ON switch is pressed and the motor starts, Auto "Retract" when ON switch is released	MOTOR ON/OFF	22.0
SPEM45054L	4w/3p Manual	D/A	Advance, Hold, Retract via manual valve	MOTOR ON/OFF	19.6
SPES45054SPL	4w/3p Solenoid	D/A	Advance/Hold/Retract with stacking type pilot-operated check valve fitted on "A" port line	Adv/Hold/Retract	22.0
SPES45054WPL	4w/3p Solenoid	D/A	Advance/Hold/Retract with stacking type pilot-operated check valve fitted on "A" and "B" port lines. Pressure holding on both "A" and "B" ports	Adv/Hold/Retract	22.0

* To order the smaller tank size; remove "L" from the end of the model number, eg. "SPES45054WP"

† Standard motor supplied is 230V, should **115V** be required; add "**-115V**" to the end of the model number

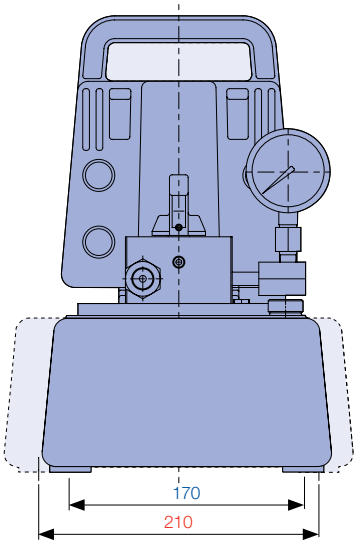


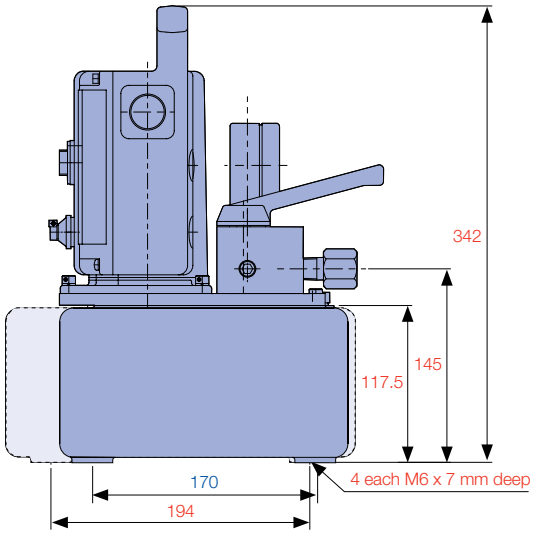


MOTOR SIZE
0.45 kW

FLOW
0.35 Lpm @ 700 bar

MAXIMUM OPERATING PRESSURE
700 bar





SPEM4505ML

SPES45054WPL
SPES45054SPL

SPES4505NCL
SPES4505NOL

SPEM45054L
SPEM45053L



DURAPAC

ELECTRIC HYDRAULIC POWER UNITS

THE DURAPAC **PE-SERIES** POWER UNITS ARE DESIGNED FOR EXTENDED DUTY APPLICATIONS REQUIRING SUSTAINED RELIABLE HYDRAULIC POWER.

At the heart of every unit is a field proven pump body featuring precision machined components and advanced design. Single speed radial piston options up to 8.1 Lpm offer reliable solutions to heavy duty applications while high performance automatic two speed pumps combine the best combination of speed and power. Split flow power units are ideal where synchronised lifting and lowering of loads are required regardless of weight distribution.



PEMS4054



PEM8414



PES1513



PESR5554

REMOTE PENDANT CONTROL
through a 24 Volt transformer is standard supply on 0.84, 1.5 kW and all solenoid power units

STEEL OIL RESERVOIR
for strength and durability

RESERVOIR SIGHT GAUGE
to monitor oil level

PRECISION PUMP
bodies available in a wide range of flow options including synchronised split flow

ELECTRIC INDUCTION MOTOR
options from 1.5-11 kW provide quite low rpm operation. 08 Series has universal motor for field use

DIRECTIONAL CONTROL VALVES
available in manual or solenoid versions to suit single and double acting cylinders

ADJUSTABLE PRESSURE RELIEF VALVE
is included on all models. Optional pilot checkplate is available on most models



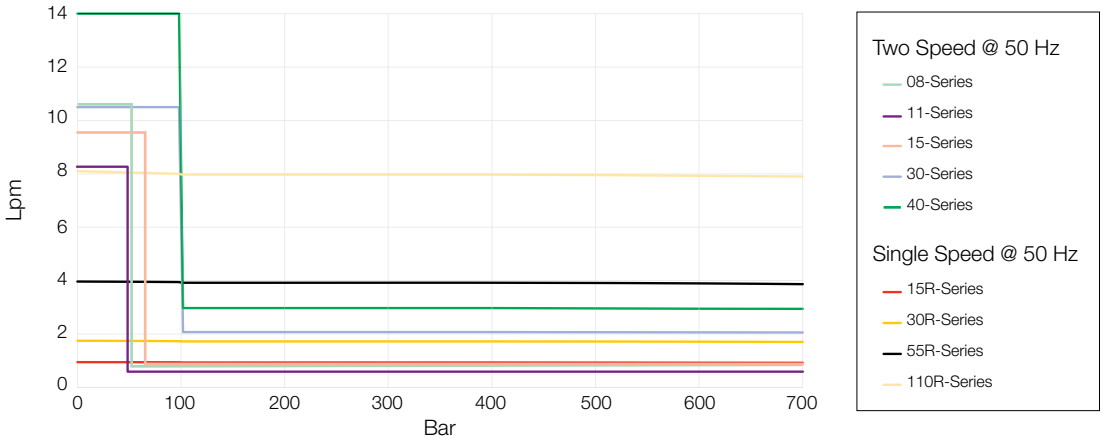


MOTOR SIZE RANGE
0.84 - 11 kW

FLOW RANGE
0.65 - 8.10 Lpm@700 bar

MAXIMUM OPERATING PRESSURE
700 bar

PERFORMANCE TABLES



Model	Usable Oil (L)	Pressure Stage	Flow (Lpm)	Piston Rod speed (mm) per second — Force (ton) 10	15	20	25	30	50	75	100	150	200	250	300	400	500
Two Speed																	
08 Series	7 - 20	1st	10.50	120.0	86.0	60.0	53.0	41.0	22.0	16.0	13.0	8.0	6.0	4.0	3.0	3.0	2.3
		2nd	0.90	10.0	7.5	5.3	4.5	3.6	1.9	1.5	1.1	0.7	0.5	0.4	0.3	0.2	0.2
11 Series	9	1st	8.20	95.0	67.0	47.0	41.0	33.0	18.0	13.0	10.0	7.0	5.0	3.7	3.0	2.4	1.9
		2nd	0.65	11.3	7.9	5.5	4.7	3.8	2.0	1.5	1.3	0.8	0.6	0.4	0.3	0.2	0.2
15 Series	10 - 20	1st	9.50	109.0	78.0	55.0	48.0	38.0	21.0	15.0	12.0	8.0	6.0	4.3	3.5	2.8	2.2
		2nd	1.10	13.0	9.1	6.4	5.5	4.4	2.4	1.8	1.4	0.9	0.7	0.5	0.4	0.3	0.3
30 Series	20 - 50	1st	10.50	121.0	86.0	61.0	53.0	42.0	23.0	17.0	13.0	8.8	6.6	4.8	3.8	3.1	2.4
		2nd	2.10	24.0	17.0	12.0	11.0	8.3	4.5	3.4	2.6	1.8	1.3	1.0	0.8	0.6	0.5
40 Series	20 - 50	1st	14.00	161.0	115.0	81.0	70.0	56.0	30.0	23.0	18.0	12.0	8.8	6.4	5.1	4.2	3.2
		2nd	3.00	35.0	25.0	17.0	15.0	12.0	6.5	4.9	3.8	2.5	1.9	1.4	1.1	0.9	0.7
Single Speed																	
15R Series	20	1st	0.95	11.0	7.8	5.5	4.8	3.8	2.1	1.5	1.2	0.8	0.6	0.4	0.3	0.3	0.2
30R Series	20	1st	1.75	20.0	14.0	10.0	8.8	6.9	3.8	2.8	2.2	1.5	1.1	0.8	0.6	0.5	0.4
55R Series	50	1st	3.97	46.0	33.0	23.0	20.0	16.0	8.6	6.5	5.0	3.3	2.5	1.8	1.5	1.2	0.9
110R Series	100	1st	8.10	93.0	67.0	47.0	41.0	32.0	18.0	13.0	10.0	6.8	5.1	3.7	3.0	2.4	1.8
4 Way Split Flow Series	-	-	-	Consult Durapac													

DURAPAC

AUTO 2 SPEED ELECTRIC POWER UNITS

THE **DURAPAC AUTO TWO SPEED** POWER UNIT RANGE OFFER HIGH PERFORMANCE FLOW COMBINATIONS FOR APPLICATIONS REQUIRING SPEED AND POWER.

The single phase 08 Series Power Unit has a universal motor and is ideal for field use with generators. Standard supply includes roll frame and 63 mm diameter pressure gauge. Castor wheels are supplied as standard for power units with 20 L oil tanks. All power units have an externally adjustable pressure relief valve and offer a range of directional control valve options to operate single and double acting cylinders and tools. The models with "-NV" suffix include an integrated needle valve to lower the 'A' port pressure in a controlled manner. Making it suitable for prestressing and post-tensioning applications.



PEM8423

PEM8414-NV Needle Valve Block



Optional DURAJET for fast retraction of load return cylinders. Consult Durapac



Model No.	Flow Rate (Lpm)		Pressure Rating (bar)		Used with Cyl.	Motor (kW)	Voltage† (1 Ph.)	Hz	Amps	Remote Pendant Function 4 M	Valve Type (3/8"-NPTF Ports)	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage										
08 SERIES														
PEM8413	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Manual	7	25	320 x 400 x 565
PEM8414	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	7	25	320 x 400 x 565
PEM8414-NV	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	7	25	320 x 400 x 565
PEM8423	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Manual	20	41	368 x 490 x 715
PEM8424	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	20	41	368 x 490 x 715
PEM8424-NV	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	20	41	368 x 490 x 715
PES8413	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Solenoid	7	27	320 x 400 x 565
PES8414	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Solenoid	7	27	320 x 400 x 565
PES8423	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Solenoid	20	43	368 x 490 x 715
PES8424	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Solenoid	20	43	368 x 490 x 715

† Standard motor supplied is **230V**, **10A**, should **115V**, **20A** be required; add "**-115V**" to the end of the model number

THE **SINGLE PHASE 11 SERIES** POWER UNIT HAS AN INDUCTION MOTOR WHICH IS QUIET IN OPERATION (APPROX. 80 DBA @ FULL PRESSURE) AND IDEALLY SUITED TO INDOOR APPLICATIONS.

Power Units are available with Manual or Solenoid valves to control both single and double acting cylinders and tools.



MOTOR SIZE RANGE
0.84 - 1.12 kW

FLOW RANGE
0.65 - 0.90 Lpm@700 bar

MAXIMUM OPERATING PRESSURE
700 bar



PES1113



PEM1114

To order the optional Roll Frame & Wheel Set:
Add Item ***"DPFABUND"*** when ordering an 11 Series power unit



Model No.	Flow Rate @ 50 Hz (Lpm)		Max. Pressure Rating (bar)	Used with Cyl.	Motor (kW)	Voltage (1 Ph.)	Hz	Amps	Usable Oil Cap. (L)	Remote Pendant Function 4 M	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage										
11 SERIES												
PEM1113	8.2	0.65	700	S/A	1.12	220	50/60	8.3	9	MOTOR ON/OFF	37	310 x 550 x 500
PEM1114	8.2	0.65	700	D/A	1.12	220	50/60	8.3	9		37	310 x 550 x 500
PES1113	8.2	0.65	700	S/A	1.12	220	50/60	8.3	9	SOLENOID ADV/ HOLD/RETRACT	37	310 x 550 x 500
PES1114	8.2	0.65	700	D/A	1.12	220	50/60	8.3	9		38	310 x 550 x 500

THE **DURAPAC AUTO TWO SPEED** POWER UNIT RANGE OFFER HIGH PERFORMANCE FLOW COMBINATIONS FOR APPLICATIONS REQUIRING SPEED AND POWER.

Single phase 1.5 kW 230 Volt versions operate on a standard 10 amp power source and provide high flows in a portable package. Three phase 3 and 4 kW versions are ideal for operating medium to large tonnage cylinders and systems. All power units have an externally adjustable pressure relief valve and offer a range of directional control valve options to operate single and double acting cylinders and tools. An optional sub-plate style pilot check valve is also available.



PES1513

AUSTRALIAN MADE

Australian designed and built

To order the optional Roll Frame & Wheel Set: Add Item ***"DPFABUND"*** when ordering a 15 Series power unit



4 WAY MANUAL VALVE



4 Way/3 Position directional control valve for controlling double acting cylinders.

3 WAY MANUAL VALVE



3 Way/3 Position directional control valve for controlling single acting cylinders.

3 & 4 WAY SOLENOID VALVE



3 and 4 Way/3 Position directional control valve for remote actuation of cylinders.

Model No.	Flow Rate @ 50 Hz (Lpm)		Pressure Rating (bar)		Used with Cyl.	Motor (kW)	Voltage (1 Ph.)	Hz	Amps	Remote Pendant Function 4 M	Valve Type (3/8"-NPTF Ports)	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage										
15 SERIES														
PEM1513	9.5	1.1	65	700	S/A	1.5	230	50	8.3	MOTOR ON/OFF	3w/3p Manual	10	46	270 x 410 x 565
PEM1523	9.5	1.1	65	700	S/A	1.5	230	50	8.3		3w/3p Manual	20	53	320 x 450 x 605
PEM1514	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Manual	10	46	270 x 410 x 565
PEM1524	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Manual	20	53	320 x 450 x 605
PES1513*	9.5	1.1	65	700	S/A	1.5	230	50	8.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Solenoid	10	59	270 x 410 x 565
PES1523*	9.5	1.1	65	700	S/A	1.5	230	50	8.3		3w/3p Solenoid	20	58	320 x 450 x 605
PES1514*	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Solenoid	10	51	270 x 410 x 565
PES1524*	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Solenoid	20	58	320 x 450 x 605

* To order the **wireless remote version**, add suffix "**-WR**" to the model number, eg. "PES1524-**WR**"



PES3054-WR with optional wireless remote

PEM4054

AUSTRALIAN MADE

Australian designed and built



MOTOR SIZE RANGE
1.5 - 4.0 kW

FLOW RANGE
1.1 - 3.0 Lpm@700 bar

MAXIMUM OPERATING PRESSURE
700 bar

To order the optional Roll Frame & Wheel Set:
Add Item ***"DPFABUND"*** when ordering a power unit with a 20 L Oil Reservoir
Add Item ***"DPFA60"*** when ordering a power unit with a 50 L Oil Reservoir



Model No.	Flow Rate @ 50 Hz (Lpm)		Pressure Rating (bar)		Used with Cyl.	Motor (kW)	Voltage† (3 Ph.)	Hz	Amps	Remote Pendant Function 4 M	Valve Type (3/8"-NPTF Ports)	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage										
30 SERIES														
PEM3023	10.5	2.1	100	700	S/A	3	400	50	6.3	ON/OFF/JOG	3w/3p Manual	20	71	320 x 450 x 560
PEM3053	10.5	2.1	100	700	S/A	3	400	50	6.3		3w/3p Manual	50	78	530 x 855 x 640
PEM3024	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Manual	20	71	320 x 450 x 560
PEM3054	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Manual	50	100	530 x 855 x 640
PES3023*	10.5	2.1	100	700	S/A	3	400	50	6.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Solenoid	20	77	320 x 450 x 560
PES3053*	10.5	2.1	100	700	S/A	3	400	50	6.3		3w/3p Solenoid	50	84	530 x 855 x 640
PES3024*	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Solenoid	20	77	320 x 450 x 560
PES3054*	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Solenoid	50	84	530 x 855 x 640
40 SERIES														
PEM4023	14.0	3.0	110	700	S/A	4	400	50	8.85	ON/OFF/JOG	3w/3p Manual	20	80	320 x 450 x 560
PEM4053	14.0	3.0	110	700	S/A	4	400	50	8.85		3w/3p Manual	50	87	530 x 855 x 640
PEM4024	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Manual	20	80	320 x 450 x 560
PEM4054	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Manual	50	87	530 x 855 x 640
PES4023*	14.0	3.0	110	700	S/A	4	400	50	8.85	SOLENOID ADV/HOLD/ RETRACT	3w/3p Solenoid	20	86	320 x 450 x 560
PES4053*	14.0	3.0	110	700	S/A	4	400	50	8.85		3w/3p Solenoid	50	93	530 x 855 x 640
PES4024*	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Solenoid	20	86	320 x 450 x 560
PES4054*	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Solenoid	50	93	530 x 855 x 640

* To order the **wireless remote version**, add suffix "**-WR**" to the model number, eg. "PES4053-**WR**"
† Also suitable for **440 - 480 Volt / 3 Ph. / 60 Hz** power supply, to order add suffix "**-440V**" to the model number, eg. "PEM3024-**440V**"

DURAPAC

SINGLE SPEED RADIAL PISTON POWER UNITS

THE **SINGLE SPEED** RADIAL PISTON POWER UNITS OFFER A RANGE OF FLOW AND POWER OPTIONS TO SUIT MANY INDUSTRIAL APPLICATIONS.

These power units are suitable for heavy duty applications and offer flows from 0.95 Lpm to 8.10 Lpm at 700 bar pressure. Valve options for operating single and double acting cylinders are available in manual or solenoid control.



AUSTRALIAN MADE

Australian designed and built

PESR5554

To order the optional Roll Frame & Wheel Set:
Add Item ***"DPFABUND"*** when ordering a power unit with a 20 L Oil Reservoir
Add Item ***"DPFA60"*** when ordering a power unit with a 50 L or 100 L Oil Reservoir



4 WAY MANUAL VALVE



4 Way/3 Position directional control valve for controlling double acting cylinders.

3 WAY MANUAL VALVE



3 Way/3 Position directional control valve for controlling single acting cylinders.

3 & 4 WAY SOLENOID VALVE



3 and 4 Way/3 Position directional control valve for remote actuation of cylinders.

Model No.	Flow Rate @ 50 Hz (Lpm)	Pressure Rating (bar)	Used with Cyl.	Motor (kW)	Voltage	Hz	Amps	Remote Pendant Function 4 M	Valve Type	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
15 SERIES												
PEMR1523	**0.95**	700	S/A	1.5	230 / 1 Ph.	50	8.3	MOTOR ON/OFF	3w/3p Manual	20	53	320 x 450 x 560
PEMR1524	**0.95**	700	D/A	1.5	230 / 1 Ph.	50	8.3		4w/3p Manual	20	53	320 x 450 x 560
PESR1523^	**0.95**	700	S/A	1.5	230 / 1 Ph.	50	8.3	SOLENOID ADV/ HOLD/RETRACT	3w/3p Solenoid	20	59	320 x 450 x 560
PESR1524^	**0.95**	700	D/A	1.5	230 / 1 Ph.	50	8.3		4w/3p Solenoid	20	59	320 x 450 x 560
30 SERIES												
PEMR3023	**1.75**	700	S/A	3.0	400† / 3 Ph.	50	6.3	ON/OFF/JOG	3w/3p Manual	20	55	320 x 450 x 560
PEMR3024	**1.75**	700	D/A	3.0	400† / 3 Ph.	50	6.3		4w/3p Manual	20	55	320 x 450 x 560
PESR3023^	**1.75**	700	S/A	3.0	400† / 3 Ph.	50	6.3	SOLENOID ADV/ HOLD/RETRACT	3w/3p Solenoid	20	61	320 x 450 x 560
PESR3024^	**1.75**	700	D/A	3.0	400† / 3 Ph.	50	6.3		4w/3p Solenoid	20	61	320 x 450 x 560
55 SERIES												
PEMR5553	**3.97**	700	S/A	5.5	400† / 3 Ph.	50	11.3	ON/OFF/JOG	3w/3p Manual	50	99	530 x 855 x 750
PEMR5554	**3.97**	700	D/A	5.5	400† / 3 Ph.	50	11.3		4w/3p Manual	50	99	530 x 855 x 750
PESR5553^	**3.97**	700	S/A	5.5	400† / 3 Ph.	50	11.3	SOLENOID ADV/ HOLD/RETRACT	3w/3p Solenoid	50	105	530 x 855 x 750
PESR5554^	**3.97**	700	D/A	5.5	400† / 3 Ph.	50	11.3		4w/3p Solenoid	50	105	530 x 855 x 750
110 SERIES												
PEMR11103	**8.10**	700	S/A	11	400† / 3 Ph.	50	19.8	*	3w/3p Manual	100	*	*
PEMR11104	**8.10**	700	D/A	11	400† / 3 Ph.	50	19.8	*	4w/3p Manual	100	*	*
PESR11103^	**8.10**	700	S/A	11	400† / 3 Ph.	50	19.8	SOLENOID ADV/ HOLD/RETRACT	3w/3p Solenoid	100	*	*
PESR11104^	**8.10**	700	D/A	11	400† / 3 Ph.	50	19.8		4w/3p Solenoid	100	*	*

^ To order the **wireless remote version**, add suffix "**-WR**" to the model number, eg. "PESR11103**-WR**"
† Also suitable for **440 - 480 Volt / 3 Ph. / 60 Hz** power supply, to order add suffix "**-440V**" to the model number, eg. "PEMR5553**-440V**"
* Consult Durapac

THE **SPLIT FLOW** POWER UNIT OFFER SYNCHRONISED LIFTING AND LOWERING OF LOADS REGARDLESS OF WEIGHT DISTRIBUTION.

Power is provided by a single electric motor to a single pump body incorporating 4 pressure outlets. Oil flow per outlet is identical for each revolution of the electric motor. The split flow power unit provides a simple effective solution to critical lifting and lowering applications. Manual valve options for double acting cylinders are standard and solenoid control is optional. Durapac also offer other split combinations such as 2 way, 6 way and 8 way.



MOTOR SIZE RANGE
1.5 - 11.0 kW

FLOW RANGE
0.23 - 8.10 Lpm@700 bar

MAXIMUM OPERATING PRESSURE
700 bar



PEMS4054

All models (excluding 300 L) include a roll frame and wheel set

AUSTRALIAN MADE

Australian designed and built

Model No.	Flow Rate @ 50 Hz (Lpm)	Pressure Rating (bar)	Used with Cyl.	Motor (kW)	Voltage	Hz	Amps	Pendant Control	Valve Type	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
SPLIT FLOW SERIES												
PEMS1554	**4 x 0.23**	700	D/A	1.5	230 / 1 Ph.	50	8.30	ON/OFF/ JOG	4w/3p Manual	50	170	530 x 855 x 710
PEMS4054	**4 x 0.73**	700	D/A	4.0	400† / 3 Ph.	50	8.85		4w/3p Manual	50	180	530 x 855 x 710
PEMS40104	**4 x 0.73**	700	D/A	4.0	400† / 3 Ph.	50	8.85		4w/3p Manual	100	190	530 x 855 x 710
PEMS7554	**4 x 1.14**	700	D/A	7.5	400† / 3 Ph.	50	15.00^		4w/3p Manual	50	210	530 x 855 x 900
PEMS75104	**4 x 1.14**	700	D/A	7.5	400† / 3 Ph.	50	15.00^		4w/3p Manual	100	220	530 x 855 x 900
PEMS75304	**4 x 1.14**	700	D/A	7.5	400† / 3 Ph.	50	15.00^		4w/3p Manual	300	270	1,120 x 1,210 x 820

^ Fitted with a soft start motor starter
† Also suitable for **440 - 480 Volt / 3 Ph. / 60 Hz** power supply, to order add suffix "**-440V**" to the model number, eg. "PEMS4054-**440V**"

DPR SERIES

DURAPAC

ROTARY PNEUMATIC HYDRAULIC POWER UNITS

THE **DPR-SERIES** ROTARY AIR DRIVEN POWER UNITS ARE A TWO SPEED HIGH PERFORMANCE PUMP DESIGN.

They are ideally suited to applications where air is the preferred power source. A choice of valve configurations allows them to be used with single or double acting cylinders and tools. Optional valve sub-plates offer pressure and flow control. All -RF models feature a heavy duty roll frame, panel mount 63 mm diameter pressure gauge, pneumatic FRL set and rated lifting eyes. All models with a solenoid valve include a remote pendant.



DPR-424S-RF

Model No.	Used with Cylinder	Motor Size (kW)	Usable Oil Capacity (L)	Maximum Pressure Rating (bar)	Pressure Rating (bar)		Oil Output Flow Rate (Lpm)	
					1st Stage	2nd Stage	1st Stage	2nd Stage
DPR-173	S/A	1.27	7.2	700	22	700	4.0	0.3
DPR-174	D/A	1.27	7.2	700	22	700	4.0	0.3
DPR-173S	S/A	1.27	7.2	700	22	700	4.0	0.3
DPR-174S	D/A	1.27	7.2	700	22	700	4.0	0.3
DPR-173SD	S/A	1.27	7.2	700	22	700	4.0	0.3
DPR-423-RF	S/A	4.00	15.0	700	90	700	6.0	1.3
DPR-424-RF	D/A	4.00	15.0	700	90	700	6.0	1.3
DPR-423S-RF	S/A	4.00	15.0	700	90	700	6.0	1.3
DPR-424S-RF	D/A	4.00	15.0	700	90	700	6.0	1.3

Durapac offer a range of optional sub-plates and directional control valves to suit the DPR-Series air driven power units



OIL CAPACITY RANGE
7.2 L - 15.0 L
AIR PRESSURE RANGE
5.6 - 7.0 bar
MAXIMUM OPERATING PRESSURE
700 bar



DPR-173SD

DPR-173S/174S

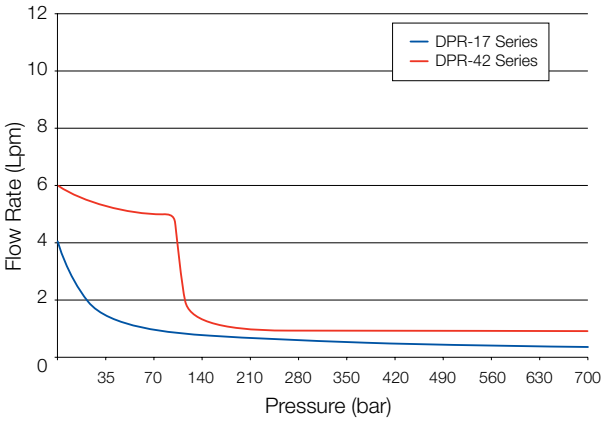


DPR-173



DPR-174

PERFORMANCE CHART



Valve Type	Valve Function	Air Pressure Range (bar)	Air Consumption (Lpm)	Sound Level (dB)	Dimensions (mm)			Weight (kg)
					W	L	H	
2w/2p Manual	ADVANCE/HOLD*/RETRACT	5.6 - 7.0	1,246	93	312	312	504	21.5
4w/3p Manual	ADVANCE/HOLD/RETRACT	5.6 - 7.0	1,246	93	312	312	504	22.0
3w/3p Solenoid	ADVANCE/HOLD/RETRACT	5.6 - 7.0	1,246	93	312	312	504	23.0
4w/3p Solenoid	ADVANCE/HOLD/RETRACT	5.6 - 7.0	1,246	93	312	312	504	23.0
4w/2p Solenoid	DUMP VALVE	5.6 - 7.0	1,246	93	312	312	504	23.0
3w/3p Manual	ADVANCE/HOLD/RETRACT	5.6 - 7.0	2,265 - 4,530	93	370	480	570	65.0
4w/3p Manual	ADVANCE/HOLD/RETRACT	5.6 - 7.0	2,265 - 4,530	93	370	480	570	65.0
3w/3p Solenoid	ADVANCE/HOLD/RETRACT	5.6 - 7.0	2,265 - 4,530	93	370	480	570	65.0
4w/3p Solenoid	ADVANCE/HOLD/RETRACT	5.6 - 7.0	2,265 - 4,530	93	370	480	570	65.0

* Hold in advance position with motor off.

DPA SERIES

DURAPAC

RECIPROCATING PNEUMATIC HYDRAULIC POWER UNITS

THE **DPA-SERIES** OF AIR DRIVEN HYDRAULIC POWER UNITS ARE A FIELD PROVEN ECONOMICAL CHOICE FOR RUNNING SMALL TO MEDIUM CAPACITY HYDRAULIC CYLINDERS AND TOOLS WHEN COMPRESSED AIR IS AVAILABLE.

All models have a maximum working pressure of 700 bar and a convenient carry handle is built into the treadle. Models with 3.5 – 7.5 L reservoirs are made from durable steel. All power units are supplied pre-filled with oil and ready for immediate use.



DPA-18

DPA-50D

DPA-50R

FEATURES



- Choice of 1.6, 1.8, 3.5, 4.6 & 7.5 L usable oil reservoirs



- Remote actuation for adv/hold/ retract functions



- 3 position treadle for adv/hold/ retract functions



- Convenient carry handle included



- 3.5, 4.6 & 7.5 L reservoirs are made from durable steel



- 4 way directional control valve to operate double acting cylinders



- Release detent function enhances productivity



- Recommended air pressure range 3 - 10 bar



OIL CAPACITY RANGE

1.6 - 7.5 L

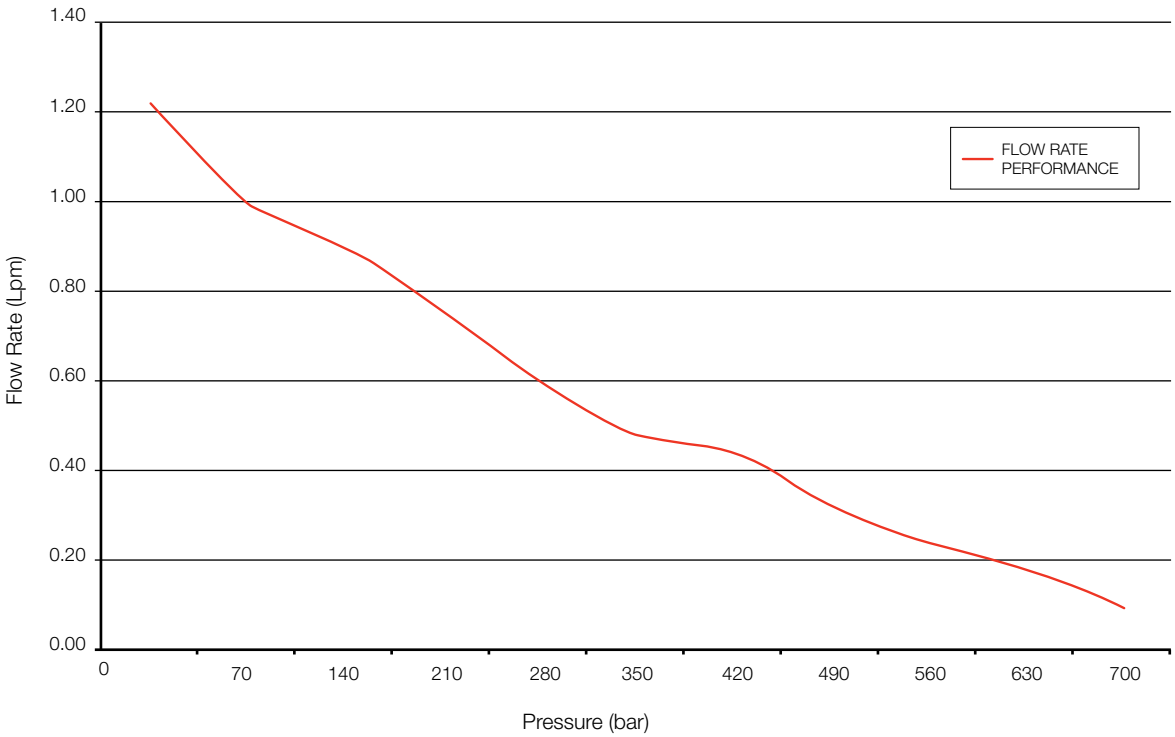
AIR PRESSURE RANGE

3 - 10 bar

MAXIMUM OPERATING PRESSURE

700 bar

DPA-SERIES PRESSURE VS FLOW RATE



DPA SERIES

DURAPAC

RECIPROCATING PNEUMATIC HYDRAULIC POWER UNITS

DPA-SERIES SINGLE ACTING POWER UNITS ARE THE STANDARD WORK HORSES OF THE RANGE.

Each has a 3 position treadle with advance/hold/retract functions, dust cover protection for the release control valve and a reinforced metal oil reservoir.



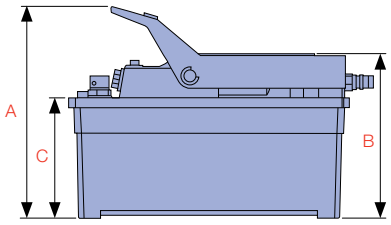
DPA-18

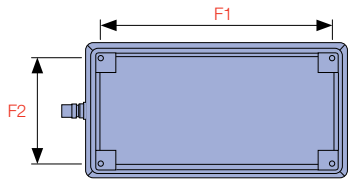


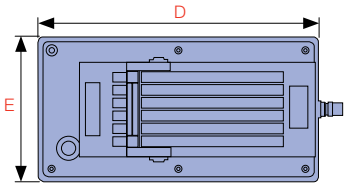
DPA-78

BASE PLATE DIMENSIONS

Model Number	F1 x F2	Hole Thread Size
DPA-16	233 x 105	M5
DPA-16D	234 x 107	M5
DPA-16R	234 x 107	M5
DPA-18	228 x 102	M6







Model Number	Used with Cylinder	Usable Oil Capacity (cc)	Pressure Rating (bar)	Output Flow Rate (cm^3/min)		Air Pressure Range (bar)	Dimensions (mm)					Weight (kg)
				No Load	Load		A	B	C	D	E	
DPA-16	S/A	1,600	700	**1,220**	**95**	3 - 8	200	148	113	255	128	6.6
DPA-16D	D/A	1,600	700	**1,220**	**95**	3 - 8	220	236	113	263	136	6.6
DPA-16R	S/A	1,600	700	**1,220**	**95**	3 - 8	240	204	110	263	136	6.6
DPA-18	S/A	1,800	700	**1,200**	**160**	6 - 10	225	171	131	260	128	8.2
DPA-40	S/A	3,500	700	**1,220**	**95**	3 - 8	195	152	110	330	190	10.4
DPA-40D	D/A	3,500	700	**1,220**	**95**	3 - 8	217	233	110	330	190	11.2
DPA-40R	S/A	3,500	700	**1,220**	**95**	3 - 8	217	180	110	330	190	10.6
DPA-50	S/A	4,600	700	**1,220**	**95**	3 - 8	195	152	110	372	231	12.0
DPA-50D	D/A	4,600	700	**1,220**	**95**	3 - 8	217	233	110	372	231	14.5
DPA-50R	S/A	4,600	700	**1,220**	**95**	3 - 8	240	204	110	372	231	12.6
DPA-78	S/A	7,500	700	**1,220**	**95**	3 - 8	195	152	110	422	281	17.7
DPA-78D	D/A	7,500	700	**1,220**	**95**	3 - 8	217	237	110	422	281	18.5
DPA-78R	S/A	7,500	700	**1,220**	**95**	3 - 8	240	204	110	422	281	18.6

THE **DPA-SERIES** DOUBLE ACTING HYDRAULIC POWER UNITS ARE AIR DRIVEN WITH A 4 WAY/3 POSITION MANUAL DIRECTIONAL CONTROL VALVE.

They are designed for operating double acting, small to medium sized cylinders and tools.



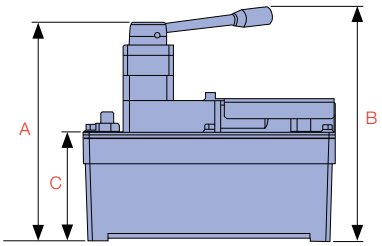
OIL CAPACITY RANGE
1.6 - 7.5 L
AIR PRESSURE RANGE
3 - 10 bar
MAXIMUM OPERATING PRESSURE
700 bar

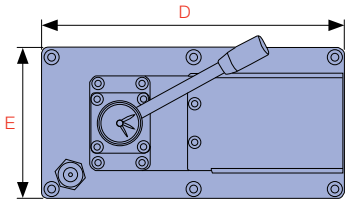


DPA-50D



DPA-16D





THE **DPA-SERIES** REMOTE EQUIPPED HYDRAULIC POWER UNITS ARE AIR DRIVEN AND IDEALLY SUITED WHERE A REMOTE ACTUATION OF THE POWER UNIT IS REQUIRED.

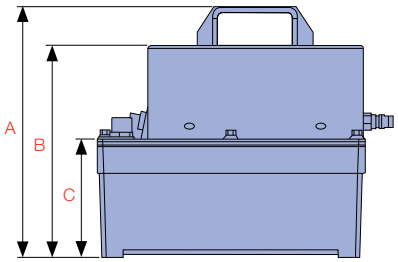
The power unit will operate small to medium sized single acting cylinders. Advance-hold-retract is controlled by a remote pendant with a 2.5 M lead.

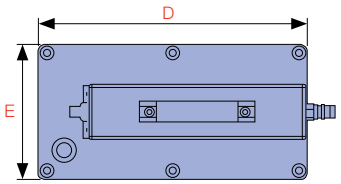


DPA-78R



DPA-16R





THE **PHS-SERIES** AIR-OPERATED HYDROSTATIC POWER UNITS WORK WITH EITHER WATER OR OIL.

These self-contained units are compact and robust and operate at either 300 or 700 bar. They come complete with air filter, regulator, lubricator, air/hydraulic pressure gauges, outlet pressure connection block, release valve and interconnecting pipework. The equipment is mounted inside a stainless steel frame and the power unit is ideally suited to hydrostatic testing, operation of hydraulic valve actuators, clamping and tensioning tools.



STRAINER FILTER
supplied on fluid inlet

FILTER, REGULATOR AND LUBRICATOR
are supplied on the air inlet

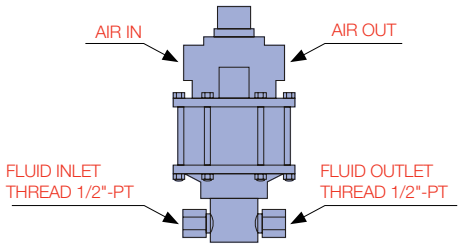
AIR PRESSURE GAUGE
to monitor working air pressure

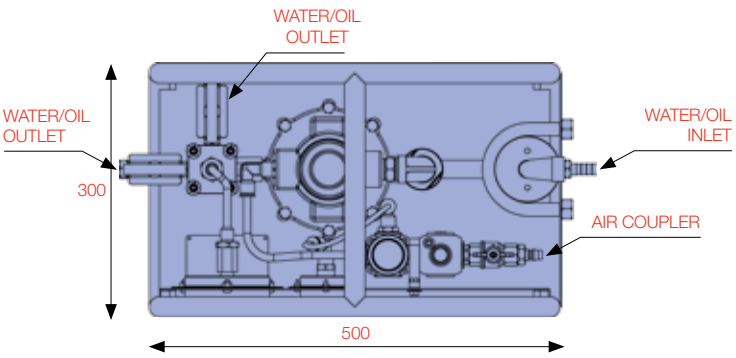
LIQUID FILLED HYDROSTATIC PRESSURE GAUGE
scale is bar/psi

STAINLESS STEEL BASE AND FRAME
resists corrosion and allows for easy handling

WATER/OIL OUTLETS
fitted with a 3/8"-18NPTF needle valve to allow greater control

PHS-700





Model Number	Compression Ratio	Output Oil/Water Flow Rate (cm^3/stroke)	Pressure Rating (bar)	Working Air Pressure (bar)	Water/Oil Inlet Thread	Dry Weight (kg)	Dimensions W x L x H (mm)
PHS-300	1:60	6.4	300	5 ~ 7	3/8"-18NPTF	25	500 x 300 x 420
PHS-700	1:150	2.5	700	5 ~ 7	3/8"-18NPTF	25	500 x 300 x 420

THE **PHS-1900** IS A MANUALLY OPERATED HYDROSTATIC HAND PUMP THAT WORKS WITH EITHER WATER OR OIL.

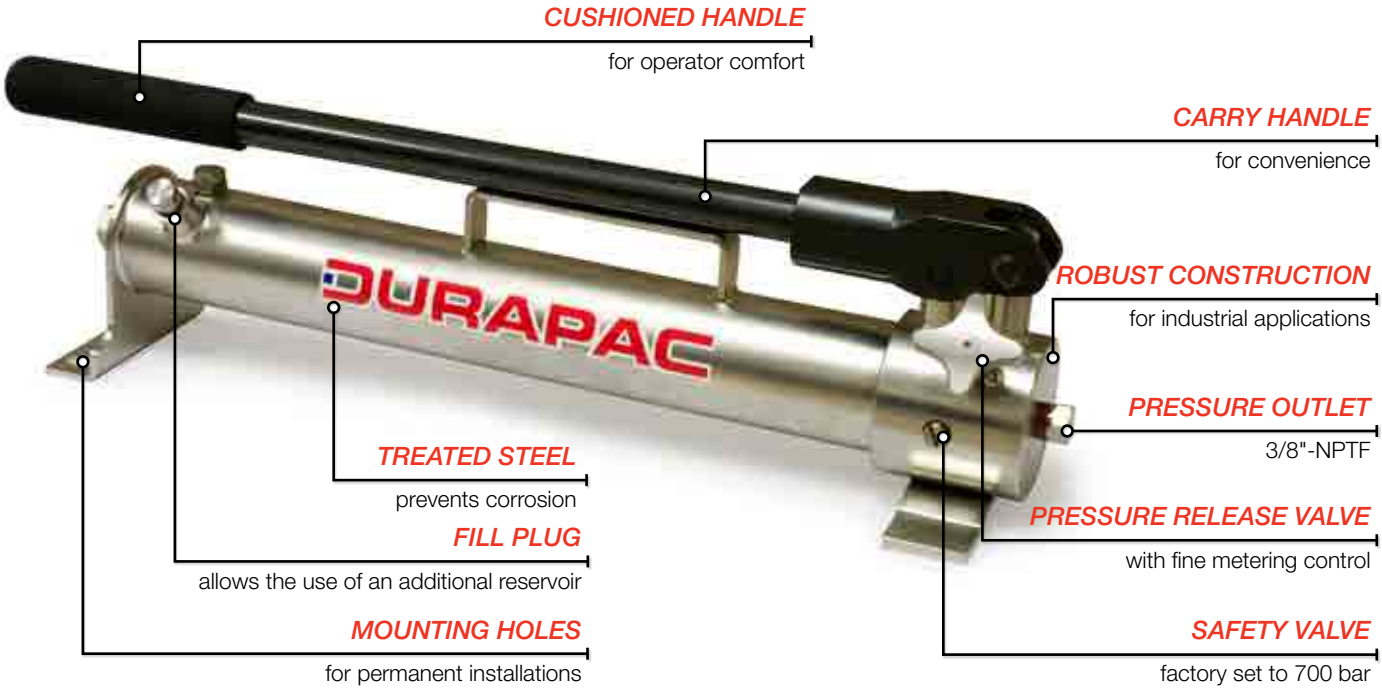
Special steel and rust proofing treatments allow the unit to be used in test applications using water as the hydraulic medium. It is a single speed pump and is fitted with a high pressure safety relief valve set at 700 bar. A reservoir fill plug allows the use of an additional reservoir if more volume is required.

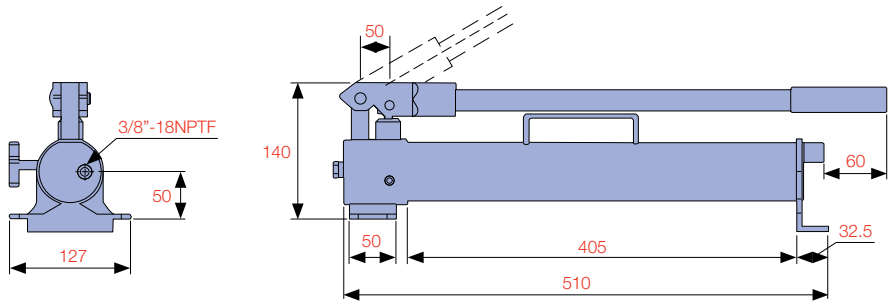


RESERVOIR CAPACITY
900 cc

AIR PRESSURE RANGE
5 - 7 bar

MAXIMUM OPERATING PRESSURE
300/700 bar





Model Number	Used with Cylinder	Pressure Rating (bar)	Usable Water Capacity (cc)	Water Volume per Stroke (cc)	Outlet Port Thread	Dry Weight (kg)	Dimensions W x L x H (mm)
PHS-1900	S/A	700	900	2.3	3/8"-NPTF	6.45	127 x 570 x 140

DURAPAC

DIESEL DRIVEN SINGLE SPEED RADIAL PISTON POWER UNITS

THE **PD-SERIES** DIESEL DRIVEN SINGLE SPEED RADIAL PISTON POWER UNITS ARE SUITABLE FOR HEAVY DUTY APPLICATIONS IN THE FIELD. THEY CAN DELIVER A MINIMUM FLOW OF 2.5 LPM AT 700 BAR PRESSURE.

It has a 50 L usable oil capacity coupled with the reliability of an electric start 3.4 kW KOHLER® diesel engine. The transport system is easy to handle and incorporates a control dashboard with adjustable throttle and pressure gauge. PDS models have a remote control pendant (on a 4 M lead) for actuation of solenoid valves. All power units have an externally adjustable pressure relief valve and offer a range of directional control valve options to operate single and double acting cylinders and tools. An optional sub-plate style pilot check valve is also available.

PRESSURE GAUGE
63 mm panel mounted 0-1,000 bar

THROTTLE CONTROL
with manual fine adjustment

DIRECTIONAL CONTROL VALVES
available in manual or solenoid versions to suit single and double acting cylinders

SIDE EXIT EXHAUST SILENCER
with mesh guard



PDM3054

5 L FUEL TANK
with filter

FUEL & OIL FILTER
accessible for ease of service

RECOIL START
for manual backup

AIR-COOLED DIESEL ENGINE
3.4 kW with electric start

12 V BATTERY
with isolation switch

Model Number	Motor (kW)	rpm	Flow Rate @ 700 bar (Lpm)	Max. Pressure Rating (bar)	Remote Pendant Function 4 M Lead	Valve Type (3/8"-NPTF Ports)	Usable Oil Capacity (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
PDM3053	3.4	2,200	2.5	700	N/A	3w/3p Manual	50	190	530 x 855 x 650
PDM3054	3.4	2,200	2.5	700	N/A	4w/3p Manual	50	190	530 x 855 x 650
PDS3053	3.4	2,200	2.5	700	Solenoid ADV / HOLD / RETRACT	3w/3p Solenoid	50	190	530 x 855 x 650
PDS3054	3.4	2,200	2.5	700		4w/3p Solenoid	50	190	530 x 855 x 650

THE **PP-SERIES** PETROL, HYDRAULIC POWER UNITS HAVE A POWERFUL 4 STROKE HONDA® ENGINE. WITH A 10 L ALUMINIUM RESERVOIR, IT MAY BE USED WITH A WIDE RANGE OF DOUBLE ACTING TOOLS AND EQUIPMENT.

They are equipped with a protection cage that makes it easier to move and lift and provide protection on construction sites. The directional control valve includes a pilot check valve for positive load holding. For applications requiring a lower retract pressure, an optional subplate mounted relief valve can be installed.

PERFECT POWER

powered by a Honda GXV 2.6 kW 4 stroke petrol engine

OPTIONAL PRESSURE GAUGE

easy to read, large 100 mm diameter liquid filled pressure gauge (optional)

RUGGED PROTECTION

surrounded by a rugged tubular protection cage



4 WAY / 3 POSITION

manual directional valve with internal pilot check valves

FAST OIL FLOW

4.5 Lpm first stage (70 bar) oil flow and 1.8 Lpm oil flow at 700 bar

10 L ALUMINIUM RESERVOIR

10 L oil reservoir

PPM2014

Model Number	Motor Type / Brand	Used with Cylinder	Hydraulic Pressure (bar)	Hydraulic Reservoir Capacity (L)	Motor Fuel	Motor Power (kW / RPM)	Weight* (kg)	Dimensions Outside Frame W x L x H (mm)
PPM2014	4-Stroke / Honda	D/A	700	10	Petrol	2.6 / 3,000	47	372 x 470 x 630

* Includes oil & frame

DBJ SERIES

DURAPAC

HYDRAULIC BOTTLE JACKS



DBJ-20

DBJ-10

DBJ-20A

THE **DBJ-SERIES** BOTTLE JACKS ARE A PREMIUM RANGE IDEALLY SUITED TO MOST INDUSTRIAL LIFTING AND PUSHING APPLICATIONS.

Models from 10-20 ton feature an additional screw extension and most can be used in both the vertical and horizontal positions. Spare parts and seal kits are available for all jacks.

DBJ-20A MODEL

also includes a fast motion air pump for greater actuation and comes complete with a 3 piece saddle set (16, 45, 80 mm saddle heights)

Model Number	Operation	Capacity (ton)	Stroke (mm)	A Collapsed Height (mm)	B Extended Height (mm)
DBJ-10	Manual	10	147	240	387
DBJ-10S	Manual		95	170	265
DBJ-20	Manual	20	152	265	417
DBJ-20S	Manual		85	187	272
DBJ-20A	Air/Manual		150	235	385
DBJ-30	Manual	30	155	282	437
DBJ-30S	Manual		80	182	262
DBJ-50	Manual	50	155	305	460

EASE OF USE
all jacks have been designed for ease of use and handling

OPERATING HANDLE
included with all models

CARBON STEEL BASE
is automatically welded to ensure increased resistance to high pressure and provide greater durability



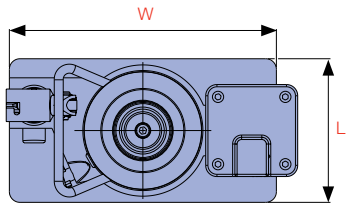
CHROME PLATED
steel piston rod resists corrosion and extends life

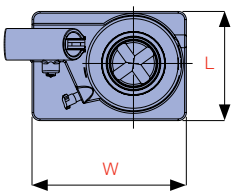
INTERNAL STROKE LIMITER
prevents piston rod over-extension

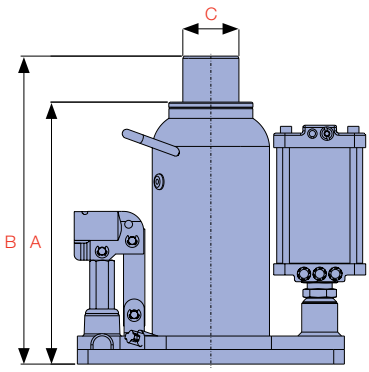


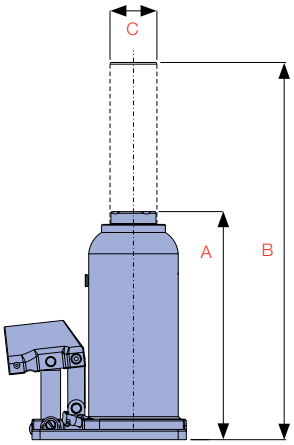
CAPACITY RANGE
10 - 50 ton

STROKE RANGE
80 - 155 mm





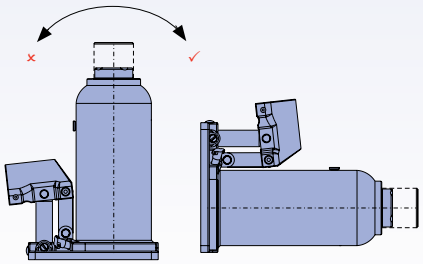




DBJ-20A

HORIZONTAL OPERATION

10 and 20 ton models except DBJ-20A can be operated horizontally. Hydraulic stroke will be reduced to approximately 2/3.



C Piston Rod Diameter (mm)	Base Dimensions W x L (mm)	Screw Extension & Saddle Set Auxiliary Height (mm)	Air Pressure Range (kgf/cm²)	Weight (kg)	Model Number
42	166 x 105	85	-	8.2	**DBJ-10**
42	166 x 105	55	-	6.4	**DBJ-10S**
55	181 x 128	85	-	13.3	**DBJ-20**
55	181 x 128	55	-	10.0	**DBJ-20S**
50	238 x 128	16, 45, 80	8-12	14.5	**DBJ-20A**
62	197 x 142	-	-	19.6	**DBJ-30**
62	197 x 142	-	-	13.8	**DBJ-30S**
85	260 x 200	-	-	42.3	**DBJ-50**

TJ SERIES

DURAPAC

HYDRAULIC TOE JACKS

THE **TJ-SERIES** TOE JACKS ARE A PREMIUM RANGE IDEALLY SUITED TO LIFTING HEAVY MACHINERY OR EQUIPMENT WHEN ACCESS HEIGHT IS RESTRICTED.

Toe lift capacities range from 2 - 25 ton and all models feature a spring return piston*.



TJ-10E

TJ-5E

TJ-25

TJ-2

Model No.	Jack Capacity ton**	/ kN	A Jack Width (mm)	B Jack Depth (mm)	C Toe Length (mm)	D Toe Width (mm)	E Collapsed Height (mm)	F Min. Toe Height (mm)	Stroke (mm)	Weight (kg)
TJ-2	2	19.9	145	185	45	50	235	14	118	9.0
TJ-5	5	49.0	185	270	55	70	295	25	123	23.0
TJ-5E	5	49.0	140	320	53	45	368	25	205	23.0
TJ-10	10	98.0	230	295	60	80	330	30	141	32.0
TJ-10E	10	98.0	170	325	55	70	420	30	230	33.0
TJ-15	15	147.0	250	315	58	100	340	28	165	48.0
TJ-25	25	245.1	280	345	65	145	382	38	129	80.0

* Spring Return not included in the TJ-2 Model
** Nominal Jack Capacity in ton - see kN values for actual capacity

EASE OF USE
all jacks have been designed for ease of use and handling

INTERNAL STROKE LIMITER
prevents piston rod over-extension

LIFTING TOE
manufactured from high strength alloy steel



CHROME PLATED
steel piston rod resists corrosion and extends life

OPERATING HANDLE
included with all models

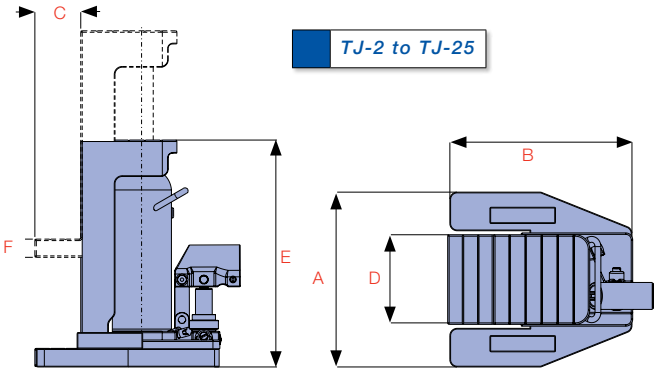
360° ROTATING
pump handle on models 2-15 ton

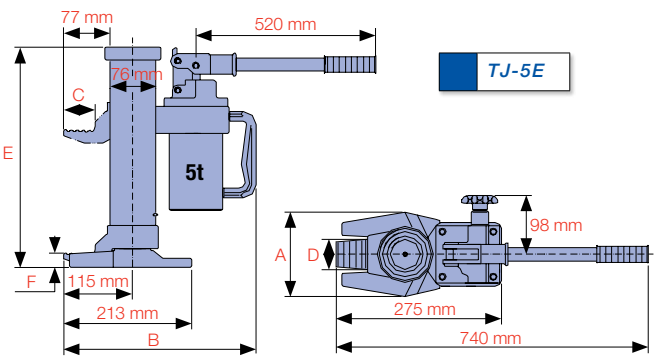
CARBON STEEL BASE
is welded to ensure increased resistance to high pressure and provide greater durability

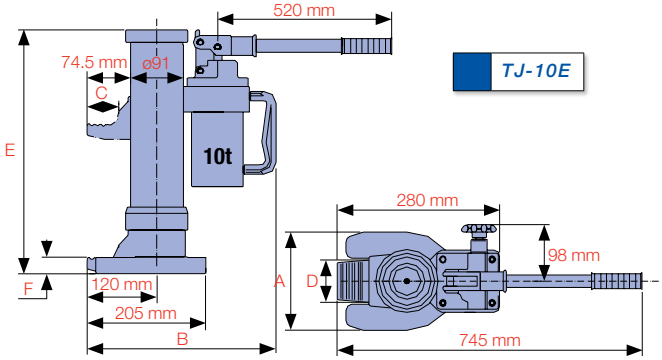


CAPACITY RANGE
2 - 25 ton

STROKE RANGE
118 - 230 mm

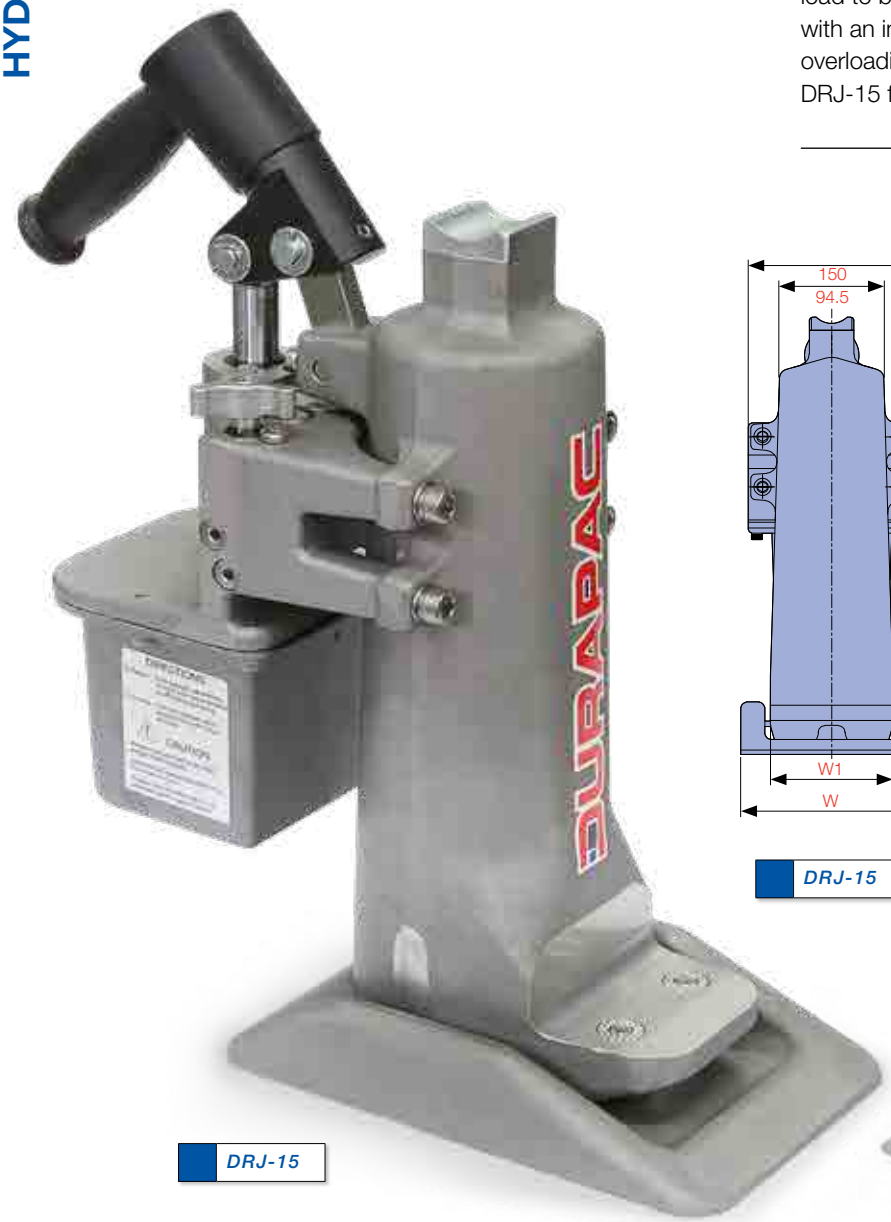




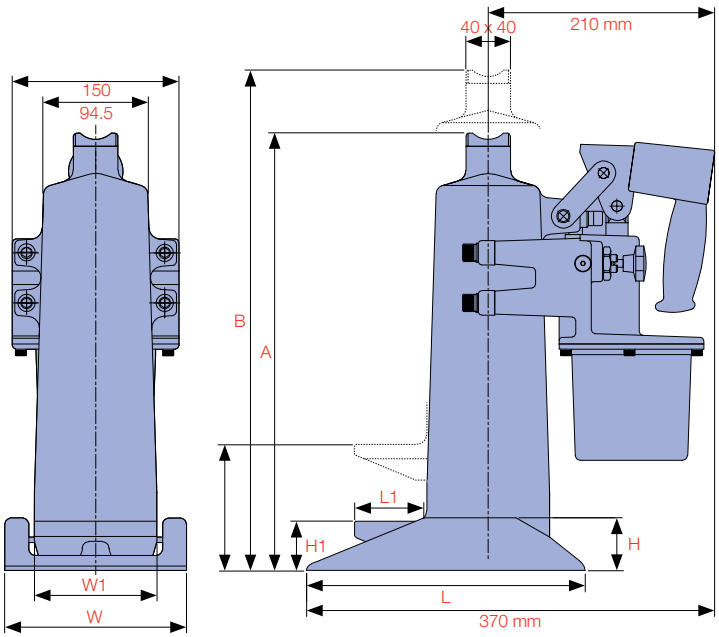


THE **DRJ-SERIES** RAIL JACKS ARE IDEALLY SUITED TO ALIGNING, GAUGING AND LIFTING OF RAIL OR SLEEPERS.

Both models have forged aluminium housing, are robust, lightweight and designed to reduce the risk of operator injury. The bladder system inside the aluminium protected reservoir allows the jacks to be used in both the horizontal and vertical positions making them exceptionally versatile. They both have a spring return mechanism that allows a jack with no load to be returned to the retracted position and are fitted with an internal safety pressure relief valve to protect against overloading. Both models include an operating handle and the DRJ-15 features a quick release valve for fast retraction.



DRJ-15



DRJ-15



QUICK RELEASE

for fast retraction speed

Model No.	Jack Capacity ton* / kN		A Collapsed Height (mm)	Stroke (mm)	B Extended Height (mm)	Travel/Pump Stroke (mm)	Max. Handle Effort (kg)	Base Dimensions W x L x H (mm)	Toe Dimensions W1 x L1 x H1 (mm)	Weight without Handle (kg)
DRJ-10	10	83.3	373	225	598	4.5	36	152 x 280 x 50	79 x 66 x 30	20.2
DRJ-15	15	150.0	400	220	620	4.1	44	163 x 250 x 47	100 x 64 x 45	20.1

* Nominal Jack Capacity in ton - see kN values for actual capacity

REMOVABLE EXTENSION HANDLE
80 cm / 93 cm

HANDLE EFFORT
maximum 36 kg / 44 kg with extension handle

RELEASE VALVE
allows for controlled lowering and is recessed for protection against accidental knocks

INTERNAL OIL RESERVOIR BLADDER
allows operation in horizontal or vertical position

OIL RESERVOIR COVER
manufactured from aluminium (6061)

LARGE ALUMINIUM BASE
one piece forged aluminium (7075T) provides great support in soft ballast

CARRYING HANDLE
fixed in-line padded handle

CHROME PLATED
steel piston rod resists corrosion and extends life

INTERNAL SPRING RETURN
allows an unloaded jack to return to the retracted position

INDEXED TOE
minimises swivel and allows for a safe, stable platform

LOAD CAPACITY
10 ton / 15 ton* of lifting force

MINIMUM BASE HEIGHT
50 mm / 47 mm for easy positioning under the base of the rail



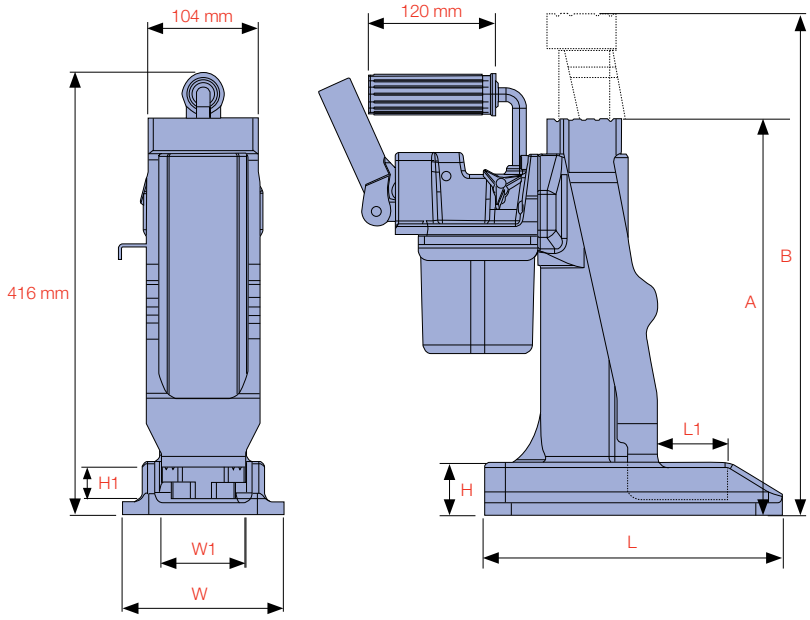
CAPACITY RANGE
10 - 15 ton*
83.3 - 150 kN

STROKE RANGE
220 - 225 mm

Feature details showing measurements are shown DRJ-10 / DRJ-15



DRJ-10



DRJ-10

ALJ SERIES

DURAPAC

PNEUMATIC JACKS

THE **ALJ-SERIES** OF AIR DRIVEN HYDRAULIC JACKS ARE A FIELD PROVEN ECONOMICAL CHOICE OF JACK FOR LIFTING TRUCKS, BUSES AND ALL TYPES OF INDUSTRIAL AND AGRICULTURAL VEHICLES WHEN COMPRESSED AIR IS AVAILABLE.

All models feature a hard chrome plated hydraulic cylinder and reliable air-hydraulic pump. Extension saddles are included with each model. All jacks are supplied pre-filled with oil and ready for immediate use.



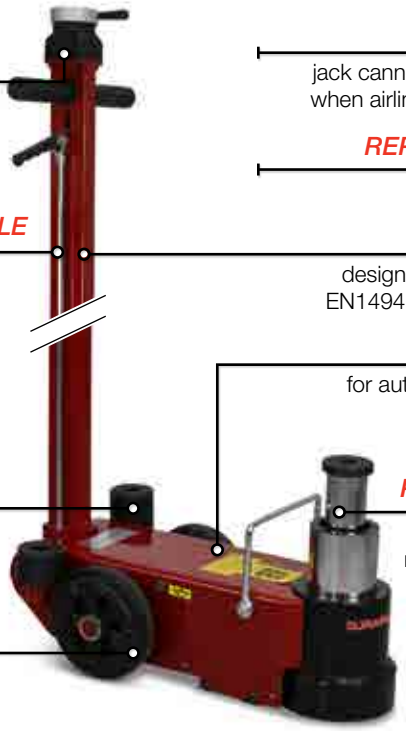
Model No.	Jack Capacity (ton)	Total Stroke (mm)	A Collapsed Height (mm)	Capacity & Stroke							
				B 1st Stage		C 2nd Stage		D 3rd Stage		E 4th Stage	
				Capacity (ton)	Stroke (mm)	Capacity (ton)	Stroke (mm)	Capacity (ton)	Stroke (mm)	Capacity (ton)	Stroke (mm)
ALJ30-1-360	30	267	360		267	-	-	-	-	-	-
ALJ30-2-150	30 / 15	139	150	30	73	15	66	-	-	-	-
ALJ30-2-170	30 / 15	169	170		86	15	83	-	-	-	-
ALJ50-2-215	50 / 25	229	215	50	115	25	114	-	-	-	-
ALJ60-1-420	60	311	420		311	-	-	-	-	-	-
ALJ60-3-175	60/40/20	247	175	60	82	40	81	20	84	-	-
ALJ60-4-150	60/40/22/11	243	150		57	40	60	22	61	11	65
ALJ80-2-230	80/50	213	230	80	111	50	102	-	-	-	-

SPRING LOADED CONTROL VALVE
to advance, hold or retract the jack

TILT ADJUSTABLE HANDLE
can be locked in 3 positions for ease of manoeuvring

EXTENSION SADDLES
two included with each jack to increase height and versatility (excluding locking collar models)

SOLID WHEELS
for ease of manoeuvring



SAFETY
jack cannot be accidentally lowered when airline has been disconnected

REPLACEMENT SPARES
available for all models

CE CERTIFICATION
designed and tested to standard EN1494 Mobile or moveable jacks

LOWERING VALVE
for automatic control of lowering speed for safety

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

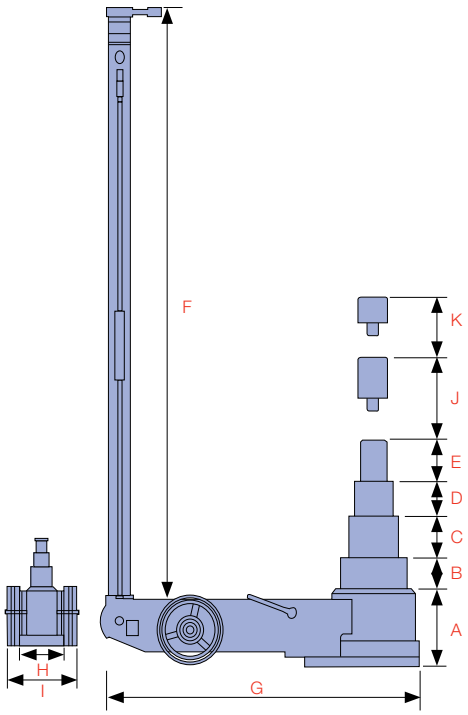


CAPACITY RANGE
30 - 80 ton

STROKE MAX. RANGE
139 – 311 mm

AIR PRESSURE RANGE
8 - 12 bar

F	G	H	I	J	K	
Handle Height (mm)	Length (mm)	Body Width (mm)	Width at Wheels (mm)	Extension Height (mm)		Weight (kg)
1,380	842	215	282	100	45	86
1,300	480	176	290	75	45	38
1,380	580	162	290	75	45	47
1,380	805	200	282	75	45	73
1,380	910	215	295	200	100	126
1,380	875	215	295	75	45	73
1,380	905	215	295	75	45	66
1,380	930	254	340	75	45	106



ALJ SERIES

DURAPAC

PNEUMATIC LOCKING COLLAR JACKS



THE **ALJ-SERIES** LOCKING COLLAR JACKS ARE THE PERFECT CHOICE FOR A MECHANICALLY LOAD HOLDING AIR DRIVEN HYDRAULIC JACK. ONCE THE LOCK RING IS SCREWED DOWN AND ENGAGED WITH THE CYLINDER BODY, THE LOAD CAN BE MECHANICALLY HELD FOR EXTENDED PERIODS.

Both models feature a hardened chrome plated single acting hydraulic cylinder which provides maximum corrosion resistance and has a special coating on the piston rod and lock ring to resist corrosion and abrasion. An (optional) range of Locking Collar Accessories are available including height extensions, tilt and grooved load cap as well as U-ring collars to assist in the mechanical locking.



Locking Collar

Model No.	Jack Capacity (ton)	Stroke (mm)	A Collapsed Height (mm)	F Handle Height (mm)	G Length (mm)	H Body Width (mm)	I Width at Wheels (mm)	Weight (kg)
ALJ30-1-100LC	30	100	270	1476	701	172	283	47
ALJ30-1-150LC	30	150	320	1476	701	172	283	49

SPRING LOADED CYLINDER
to assist with retraction

REPLACEMENT SPARES
available for all models

LOWERING VALVE
for automatic control of lowering speed for safety

SAFETY
jack cannot be accidentally lowered when airline has been disconnected

SOLID WHEELS
for ease of manoeuvring



REMOVEABLE HANDLE
makes transporting and storage easy

TILT ADJUSTABLE HANDLE
can be locked in 3 positions for ease of manoeuvring



CAPACITY
30 ton

STROKE MAXIMUM
150 mm

AIR PRESSURE RANGE
8 - 12 bar

EXTENSION LOAD CAPS
can be used with each jack to increase height and versatility

Optional Locking Collar Accessories

1 ALJ30LC-45
Extension Height - 45 mm



2 ALJ30LC-80
Extension Height - 80 mm



3 ALJ30LC-100
Extension Height - 100 mm



4 ALJ30LC-150
Extension Height - 150 mm



5 ALJ30LC-200
Extension Height - 200 mm



6 ALJ30LC-GROOVED
Grooved Load Cap - 50 mm radius



7 ALJ30LC-TILT
Tilt Saddle - 50 mm radius



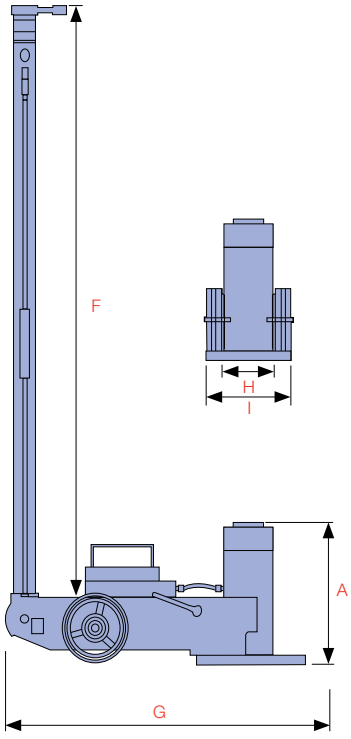
8 ALJ30U-40
U-ring Collar - 40 mm



9 ALJ30U-70
U-ring Collar - 70 mm



WARNING...
No more than one extension to be used





THE **BLJ-SERIES** BATTERY JACKS ARE THE CONVENIENT, 'GO ANYWHERE' ENERGY-EFFICIENT CHOICE OF JACK FOR LIFTING ALL TYPES OF INDUSTRIAL AND AGRICULTURAL VEHICLES.

The two-speed design allows precise positioning and fast extension, and the cordless lithium battery-hydraulic pump combination allows it to be used (almost) anywhere. Extension load caps are included with each model and all jacks are supplied pre-filled with oil and ready for immediate use.



BLJ40-2-150

Model Number	Jack Capacity (ton)	Battery Capacity (Ah)	Rated Voltage DC	Rated Power (W)	Rated Current (Amp)	Battery Energy (Wh)	Total Stroke (mm)	A Collapsed Height (mm)
BLJ30-2-150	30 / 15	5.0	18	450	24	90	148	150
BLJ30-2-150L	30 / 15	5.0	18	400	20	90	148	150
BLJ40-2-150	40 / 20	5.0	18	450	24	90	148	150
BLJ40-2-150L	40 / 20	5.0	18	400	20	90	129	150

MAKITA® 18V LITHIUM BATTERY
with trusted performance and an advanced design that protects the pack against harsh jobsite environments. Widely used and readily available

TILT ADJUSTABLE HANDLE
can be locked in 3 positions for ease of manoeuvring

LOWERING VALVE
for automatic control of lowering speed for safety

EXTENSION LOAD CAPS
two included with each jack to increase height and versatility

EXTENSION HOLDERS
with forward leaning design for easier access

SOLID WHEELS
for ease of manoeuvring



REPLACEMENT SPARES
available for all models

CE CERTIFICATION
designed and tested to standard EN1494 Mobile or moveable jacks



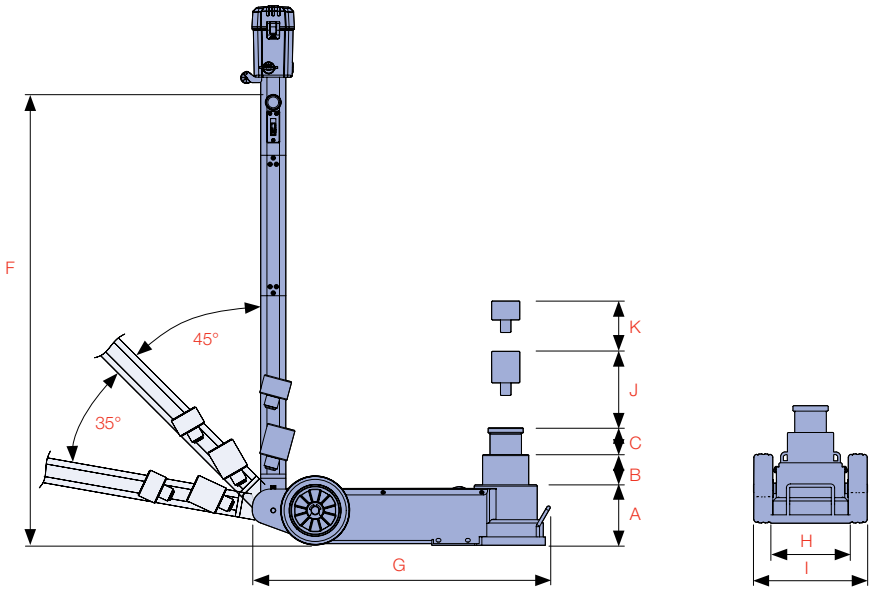
LED LIGHT
to illuminate the lifting point

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life



CAPACITY RANGE
30 - 40 ton

TOTAL STROKE RANGE
129 - 148 mm



B (1st Stage)		C (2nd Stage)		F Handle Height (mm)	G Length (mm)	H Body Width (mm)	I Width at Wheels (mm)	J	K	Weight (kg)
Capacity (ton)	Stroke (mm)	Capacity (ton)	Stroke (mm)					Extension Height (mm)		
30	78	15	70	1,304	555	178	272	75	45	40
30	78	15	70	1,300	695	172	272	75	45	45
40	78	20	70	1,304	567	188	272	75	45	42
40	72	20	57	1,300	710	189	272	75	45	49

TW SERIES

DURAPAC

SQUARE DRIVE HYDRAULIC TORQUE WRENCHES

REVERSIBLE SQUARE DRIVE
for tightening and loosening applications

360° X 180° SWIVEL
with screw couplings

ADJUSTABLE REMOVABLE CARRY HANDLE
included with TW3 to TW10 models for enhanced safety and efficiency

CERTIFIED TO INTERNATIONAL STANDARDS

All wrenches supplied with a calibration certificate of accuracy, traceable to international standards. Refer to Calibration & Certification section at the rear of the catalogue.

THE **TW-SERIES** SQUARE DRIVE HYDRAULIC TORQUE WRENCHES ARE COMPACT, EASY TO USE AND VERSATILE.

The titanium-aluminium alloy and super high strength steel alloy construction means increased strength and durability while minimising weight. TW-Series torque wrenches are available in ¾" to 2 ½" square drive models, with a torque range from 112 to 72,000 Newton Metres (82 to 53,280 ft/lb). All models are fitted with a 360° x 180° swivel coupler and screw couplings. A convenient Carry Case is included for models TW07 to TW10.

TITANIUM ALUMINIUM ALLOY
and super high strength steel construction

ACCURACY
within + / - 3%

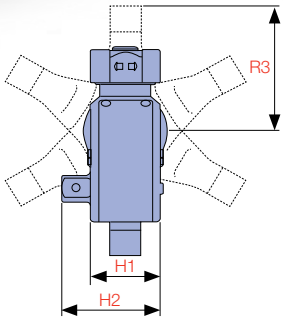


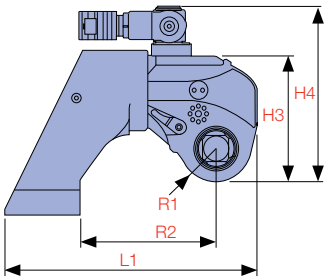


TW8



EXTENDED REACTION ARM
available as an optional extra





Model No.	Square Drive	Range of Torque @ 700 bar (Nm)	Range of Torque @ 700 bar (ft/lb)	Bolt Size Range (mm)	L1	H1	H2	H3	H4	R1	R2	R3	Weight (kg)
					(mm)								
TW07	¾"	112 - 1,120	82 - 829	14 - 30	139.3	42	65.8	76.2	119.0	20.5	68.3	76.0	1.6
TW1	¾"	183 - 1,837	135 - 1,359	16 - 36	173.0	50	71.9	95.5	138.3	26.0	84.5	91.5	2.6
TW3	1"	451 - 4,512	334 - 3,346	22 - 48	244.0	68	95.3	127.0	176.5	34.0	131.3	125.8	5.4
TW5	1-1/2"	752 - 7,528	557 - 5,571	27 - 56	285.5	80	122.9	149.0	198.5	39.0	158.0	141.0	8.7
TW8	1-1/2"	1,078 - 10,780	797 - 7,977	30 - 64	311.0	90	130.5	167.0	216.5	47.0	171.0	165.0	11.7
TW10	1-1/2"	1,551 - 15,516	1,148 - 11,482	36 - 72	339.7	100	140.8	182.0	231.5	51.0	174.0	170.3	14.8
TW15	2-1/2"	2,063 - 20,627	1,521 - 15,213	39 - 80	395.0	110	178.7	200.4	249.9	55.0	222.5	201.5	22.0
TW20	2-1/2"	2,666 - 26,664	1,973 - 19,731	42 - 90	450.8	120	188.2	220.0	269.5	59.0	250.5	216.5	27.8
TW25	2-1/2"	3,472 - 34,725	2,569 - 25,697	48 - 100	459.2	137	199.8	247.0	296.5	66.0	250.5	224.1	35.5
TW35	2-1/2"	4,866 - 48,666	3,601 - 36,013	64 - 120	495.5	153	215.6	282.0	331.5	77.0	279.0	237.6	49.4
TW50	2-1/2"	7,200 - 72,000	5,328 - 53,280	72 - 125	418.5	160	222.6	290.5	340.0	81.0	258.5	258.0	90.0

THE **LPC-SERIES** LOW PROFILE HYDRAULIC HEXAGON TORQUE WRENCHES ARE AN ESSENTIAL TOOL FOR LIMITED CLEARANCE APPLICATIONS.

The versatile LPC-Series torque wrenches support an extensive range of interchangeable hexagon ratchet cassettes that deliver a torque range of 232 to 44,593 Newton Metres (172 to 32,999 ft/lb). A convenient Carry Case is included for models LPC2 to LPC14.

CERTIFIED TO INTERNATIONAL STANDARDS

All wrenches supplied with a calibration certificate of accuracy, traceable to international standards. Refer to Calibration & Certification section at the rear of the catalogue.



TW RANGE
112 - 72,000 Nm

LPC RANGE
232 - 44,593 Nm

MAXIMUM OPERATING PRESSURE
700 bar

LPC4 with Hexagon Ratchet Cassette

ADJUSTABLE REMOVABLE CARRY HANDLE
included with LPC2 to LPC14 models for enhanced safety and efficiency

360° X 180° SWIVEL
with screw couplings

ACCURACY
within + / - 3%

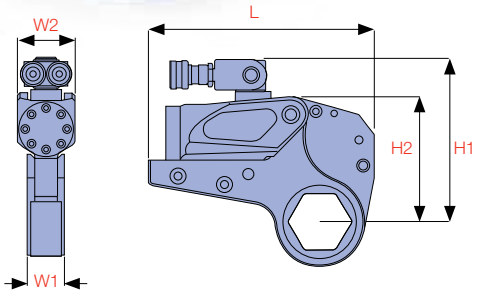
WIDE RANGE
of metric and imperial interchangeable hexagon ratchet cassettes available

REDUCER INSERTS
are available in metric and imperial sizes



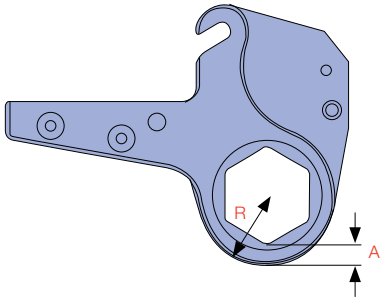
HIGH STRENGTH
titanium aluminium alloy body

LASER ENGRAVED
hexagon ratchet cassettes show model number, serial number and maximum capacity



Model No.	Range of Torque @ 700 bar (Nm)	Range of Torque @ 700 bar (ft/lb)	Hexagon Size Range (mm)	Hexagon A/F Size Range	L (mm)	H1 (mm)	H2 (mm)	W1 (mm)	W2 (mm)	Weight Of Power Head (kg)	Weight Of Hexagon Cassettes (kg)*
LPC2	232 - 2,328	172 - 1,723	19 - 55	3/4" - 2-3/16"	197	126	102	32	51	1.0	1.6
	241 - 2,414	178 - 1,786	60	2-3/8"	197	129	105	32	51	1.0	1.7
LPC4	585 - 5,858	433 - 4,335	34 - 65	1-7/16" - 2-9/16"	245	177	136	42	66	2.0	4.4
	647 - 6,474	479 - 4,791	70 - 80	2-3/4" - 3-1/8"	246	187	146	42	66	2.0	4.6
LPC8	1,094 - 10,941	809 - 8,096	41 - 95	1-5/8" - 3-7/8"	300	207	169	53	83	3.3	8.0
	1,177 - 11,774	871 - 8,713	100 - 105	4-1/4"	301	216	178	53	83	3.3	8.4
LPC14	1,852 - 18,521	1,370 - 13,706	50 - 117	2" - 4-5/8"	361	239	204	64	99	5.5	11.6
LPC30	4,188 - 41,882	3,099 - 30,993	85 - 155	3-1/2" - 6-1/8"	430	303	272	85	131	11.4	29.0
	4,459 - 44,593	3,299 - 32,999	160 - 175	6-1/2" - 6-7/8"	441	315	285	85	131	11.4	30.0

* Weight of hexagon ratchet cassettes will vary by model ordered





Metric Hexagon Cassette Table

Bolt Diameter (mm)	A/F Size (mm)	LPC2	R (mm)	A (mm)	Max. Torque (Nm)	LPC4	R (mm)	A (mm)	Max. Torque (Nm)	LPC8	R (mm)	A (mm)	Max. Torque (Nm)	LPC14	R (mm)	A (mm)	Max. Torque (Nm)
12	19	LPC2-19	27	16	1,663												
14	22	LPC2-22	27	14	1,663												
18	27	LPC2-27	27	11	1,929												
20	30	LPC2-30	29	12	2,328												
	32	LPC2-32	29	11	2,328												
22	34	LPC2-34	31	11	2,328	LPC4-34	36	16	2,510								
24	36	LPC2-36	31	10	2,328	LPC4-36	36	15	2,510								
27	41	LPC2-41	34	10	2,328	LPC4-41	39	15	5,021	LPC8-41	46	22	8,128				
30	46	LPC2-46	37	10	2,328	LPC4-46	42	15	5,858	LPC8-46	46	19	10,941				
33	50	LPC2-50	40	11	2,328	LPC4-50	44	15	5,858	LPC8-50	46	17	10,941	LPC14-50	60	31	14,552
36	55	LPC2-55	43	11	2,328	LPC4-55	46	14	5,858	LPC8-55	50	18	10,941	LPC14-55	60	28	18,521
39	60	LPC2-60	46	11	2,414	LPC4-60	50	15	5,858	LPC8-60	52	17	10,941	LPC14-60	60	25	18,521
42	65					LPC4-65	53	15	5,858	LPC8-65	55	17	10,941	LPC14-65	60	22	18,521
45	70					LPC4-70	56	15	6,474	LPC8-70	58	17	10,941	LPC14-70	60	19	18,521
48	75					LPC4-75	59	15	6,474	LPC8-75	60	17	10,941	LPC14-75	63	19	18,521
52	80					LPC4-80	61	15	6,474	LPC8-80	63	16	10,941	LPC14-80	66	19	18,521
56	85									LPC8-85	66	16	10,941	LPC14-85	69	19	18,521
60	90									LPC8-90	69	17	10,941	LPC14-90	72	20	18,521
64	95									LPC8-95	71	16	10,941	LPC14-95	74	19	18,521
68	100									LPC8-100	75	17	11,774	LPC14-100	77	19	18,521
72	105									LPC8-105	78	17	11,774	LPC14-105	80	19	18,521
76	110													LPC14-110	83	19	18,521
80	115													LPC14-115	87	20	18,521
	117													LPC14-117	87	19	18,521
85	120																
	125																
90	130																
95	135																
	140																
100	145																
105	150																
110	155																
	160																
115	165																
120	170																
	175																



Durapac offer extension reaction arms and low point reaction paddles to suit the LPC2-LPC14 low profile hydraulic hexagon wrenches



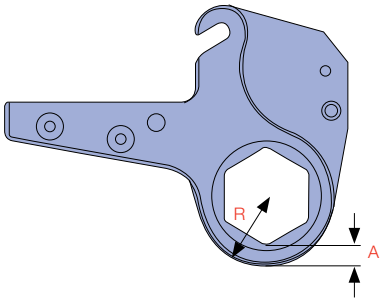


LPC30	R (mm)	A (mm)	Max. Torque (Nm)	Bolt Diameter (mm)	A/F Size (mm)
				12	19
				14	22
				18	27
				20	30
					32
				22	34
				24	36
				27	41
				30	46
				33	50
				36	55
				39	60
				42	65
				45	70
				48	75
				52	80
LPC30-85	78	28	41,882	56	85
LPC30-90	78	26	41,882	60	90
LPC30-95	83	28	41,882	64	95
LPC30-100	83	25	41,882	68	100
LPC30-105	89	28	41,882	72	105
LPC30-110	89	25	41,882	76	110
LPC30-115	95	28	41,882	80	115
LPC30-117	95	27	41,882		117
LPC30-120	95	25	41,882	85	120
LPC30-125	101	29	41,882		125
LPC30-130	101	26	41,882	90	130
LPC30-135	104	26	41,882	95	135
LPC30-140	110	29	41,882		140
LPC30-145	110	26	41,882	100	145
LPC30-150	116	29	41,882	105	150
LPC30-155	116	26	41,882	110	155
LPC30-160	128	36	44,593		160
LPC30-165	128	33	44,593	115	165
LPC30-170	128	30	44,593	120	170
LPC30-175	128	27	44,593		175

Metric Hexagon Reducer Bushes Table

Hexagon Cassette	Reducer Insert			Holding Ring
	Model No.	Model No.	Model No.	Model No.
LPC2-32	MR2-32-27	-	-	MHR2-32
LPC2-36	MR2-36-30	MR2-36-27	-	MHR2-36
LPC2-41	MR2-41-32	MR2-41-30	MR2-41-27	MHR2-41
LPC2-46	MR2-46-36	MR2-46-32	MR2-46-30	MHR2-46
LPC4-36	MR4-36-30	MR4-36-27	-	MHR4-36
LPC4-41	MR4-41-32	MR4-41-30	MR4-41-27	MHR4-41
LPC4-46	MR4-46-36	MR4-46-32	MR4-46-30	MHR4-46
LPC4-50	MR4-50-41	MR4-50-36	MR4-50-32	MHR4-50
LPC4-55	MR4-55-46	MR4-55-41	MR4-55-36	MHR4-55
LPC4-60	MR4-60-50	MR4-60-46	MR4-60-41	MHR4-60
LPC4-65	MR4-65-55	MR4-65-50	MR4-65-46	MHR4-65
LPC8-55	MR8-55-46	MR8-55-41	-	MHR8-55
LPC8-60	MR8-60-50	MR8-60-46	-	MHR8-60
LPC8-65	MR8-65-55	MR8-65-50	MR8-65-46	MHR8-65
LPC8-70	MR8-70-60	MR8-70-55	MR8-70-50	MHR8-70
LPC8-75	MR8-75-65	MR8-75-60	MR8-75-55	MHR8-75
LPC8-80	MR8-80-70	MR8-80-65	MR8-80-60	MHR8-80
LPC8-85	MR8-85-75	MR8-85-70	MR8-85-65	MHR8-85
LPC8-90	MR8-90-80	MR8-90-75	MR8-90-70	MHR8-90
LPC14-75	MR14-75-65	-	-	MHR14-75
LPC14-80	MR14-80-70	MR14-80-65	-	MHR14-80
LPC14-85	MR14-85-75	MR14-85-70	MR14-85-65	MHR14-85
LPC14-90	MR14-90-80	MR14-90-75	MR14-90-70	MHR14-90
LPC14-95	MR14-95-85	MR14-95-80	MR14-95-75	MHR14-95
LPC14-100	MR14-100-90	MR14-100-85	MR14-100-80	MHR14-100
LPC14-105	MR14-105-95	MR14-105-90	MR14-105-85	MHR14-105
LPC14-110	MR14-110-100	MR14-110-95	MR14-110-90	MHR14-110
LPC14-115	MR14-115-105	MR14-115-100	MR14-115-95	MHR14-115
LPC30-90	MR30-90-80	-	-	MHR30-90
LPC30-95	MR30-95-85	MR30-95-80	-	MHR30-95
LPC30-100	MR30-100-90	MR30-100-85	MR30-100-80	MHR30-100
LPC30-105	MR30-105-95	MR30-105-90	MR30-105-85	MHR30-105
LPC30-110	MR30-110-100	MR30-110-95	MR30-110-90	MHR30-110
LPC30-115	MR30-115-105	MR30-115-100	MR30-115-95	MHR30-115
LPC30-120	MR30-120-110	MR30-120-105	MR30-120-100	MHR30-120
LPC30-130	MR30-130-120	MR30-130-115	MR30-130-110	MHR30-130
LPC30-145	MR30-145-130	MR30-145-120	MR30-145-115	MHR30-145
LPC30-155	MR30-155-145	MR30-155-130	MR30-155-120	MHR30-155

Not all reducer bushes are listed, for other sizes contact Durapac



Durapac offer extension reaction arms and low point reaction paddles to suit the LPC2-LPC14 low profile hydraulic hexagon wrenches



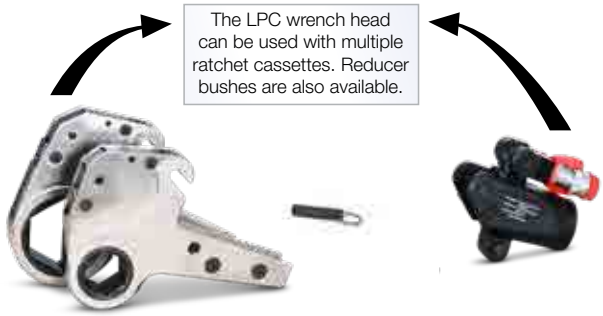
Imperial Hexagon Cassette Table

Bolt Diameter (inch)	A/F Size (inch)		LPC2	R (mm)	A (mm)	Max. Torque (Nm)	LPC4	R (mm)	A (mm)	Max. Torque (Nm)	LPC8	R (mm)	A (mm)	Max. Torque (Nm)	LPC14	R (mm)	A (mm)	Max. Torque (Nm)
1/2	3/4	*	LPC2-012	27	16	1,663												
9/16	7/8	*	LPC2-014	27	14	1,663												
5/8	1-1/16		LPC2-101	27	11	1,929												
3/4	1-1/4	*	LPC2-104	29	12	2,328												
13/16	1-5/16	*	LPC2-105	29	11	2,328												
7/8	1-7/16	*	LPC2-107	31	10	2,328	LPC4-107	36	15	2,510								
1	1-5/8	*	LPC2-110	34	10	2,328	LPC4-110	39	15	5,021	LPC8-110	46	22	8,128				
1-1/16	1-11/16	*	LPC2-111	34	10	2,328	LPC4-111	39	15	5,858	LPC8-111	46	22	10,941				
1-1/8	1-13/16	*	LPC2-113	37	10	2,328	LPC4-113	42	15	5,858	LPC8-113	46	19	10,941				
1-1/4	2	*	LPC2-200	40	11	2,328	LPC4-200	44	15	5,858	LPC8-200	46	17	10,941	LPC14-200	60	31	14,552
1-3/8	2-3/16	*	LPC2-203	43	11	2,328	LPC4-203	46	14	5,858	LPC8-203	50	18	10,941	LPC14-203	60	28	18,521
1-1/2	2-3/8	*	LPC2-206	46	11	2,414	LPC4-206	50	15	5,858	LPC8-206	52	17	10,941	LPC14-206	60	25	18,521
1-5/8	2-9/16	*					LPC4-209	53	15	5,858	LPC8-209	55	17	10,941	LPC14-209	60	22	18,521
1-3/4	2-3/4	*					LPC4-212	56	15	6,474	LPC8-212	58	17	10,941	LPC14-212	60	19	18,521
1-7/8	2-15/16	*					LPC4-215	59	15	6,474	LPC8-215	60	17	10,941	LPC14-215	63	19	18,521
2	3-1/8	*					LPC4-302	61	15	6,474	LPC8-302	63	16	10,941	LPC14-302	66	19	18,521
2-1/4	3-1/2	*									LPC8-308	66	16	10,941	LPC14-308	69	19	18,521
2-1/2	3-7/8	*									LPC8-314	71	16	10,941	LPC14-314	74	19	18,521
2-3/4	4-1/4	*													LPC14-404	80	19	18,521
3	4-5/8	*													LPC14-410	87	20	18,521
3-1/4	5																	
3-1/2	5-3/8																	
3-3/4	5-3/4																	
4	6-1/8																	
4-1/4	6-1/2																	
4-1/2	6-7/8																	

* Suitable for use on Grade 2H high temperature nuts as used in the Petro-chemical industry







Imperial Reducer Bush Legend

1st Character = Whole Inches 2nd & 3rd Characters = Fractional Inches in 1/16" increments						
2nd & 3rd Character		Fraction		Imperial		Code
00	=	0/16"	Eg.	1"	=	100
01	=	1/16"		1-1/16"	=	101
02	=	1/8"		1-1/8"	=	102
03	=	3/16"		1-3/16"	=	103
04	=	1/4"		1-1/4"	=	104
05	=	5/16"		2-5/16"	=	205
06	=	3/8"		2-3/8"	=	206
07	=	7/16"		2-7/16"	=	207
08	=	1/2"		2-1/2"	=	208
09	=	9/16"		3-9/16"	=	309
10	=	5/8"		3-5/8"	=	310
11	=	11/16"		3-11/16"	=	311
12	=	3/4"		3-3/4"	=	312
13	=	13/16"		4-13/16"	=	413
14	=	7/8"		4-7/8"	=	414
15	=	15/16"		4-15/16"	=	415

LPC30	R (mm)	A (mm)	Max. Torque (Nm)	Bolt Diameter (inch)	A/F Size (inch)
				1/2	3/4
				9/16	7/8
				5/8	1-1/16
				3/4	1-1/4
				13/16	1-5/16
				7/8	1-7/16
				1	1-5/8
				1-1/16	1-11/16
				1-1/8	1-13/16
				1-1/4	2
				1-3/8	2-3/16
				1-1/2	2-3/8
				1-5/8	2-9/16
				1-3/4	2-3/4
				1-7/8	2-15/16
				2	3-1/8
LPC30-308	78	28	41,882	2-1/4	3-1/2
LPC30-314	83	28	41,882	2-1/2	3-7/8
LPC30-404	89	28	41,882	2-3/4	4-1/4
LPC30-410	95	28	41,882	3	4-5/8
LPC30-500	101	29	41,882	3-1/4	5
LPC30-506	104	26	41,882	3-1/2	5-3/8
LPC30-512	110	26	41,882	3-3/4	5-3/4
LPC30-602	116	26	41,882	4	6-1/8
LPC30-608	128	33	44,593	4-1/4	6-1/2
LPC30-614	128	27	44,593	4-1/2	6-7/8

Imperial Hexagon Reducer Bushes Table

Hexagon Cassette	Reducer Insert			Holding Ring
	Model	Model	Model	Model
LPC2-105	IR2-105-101	-	-	IHR2-105
LPC2-107	IR2-107-104	IR2-107-101	-	IHR2-107
LPC2-111	IR2-111-103	IR2-111-105	IR2-111-101	IHR2-111
LPC2-113	IR2-113-107	IR2-113-105	IR2-113-104	IHR2-113
LPC4-107	IR4-107-104	IR4-107-101	-	IHR4-107
LPC4-110	IR4-110-105	IR4-110-104	IR4-110-101	IHR4-110
LPC4-113	IR4-113-107	IR4-113-105	IR4-113-104	IHR4-113
LPC4-200	IR4-200-110	IR4-200-107	IR4-200-105	IHR4-200
LPC4-203	IR4-203-113	IR4-203-110	IR4-203-107	IHR4-203
LPC4-206	IR4-206-200	IR4-206-113	IR4-206-110	IHR4-206
LPC4-209	IR4-209-203	IR4-209-200	IR4-209-113	IHR4-209
LPC8-203	IR8-203-113	IR8-203-110	-	IHR8-203
LPC8-206	IR8-206-200	IR8-206-113	-	IHR8-206
LPC8-209	IR8-209-203	IR8-209-200	IR8-209-113	IHR8-209
LPC8-212	IR8-212-206	IR8-212-203	IR8-212-200	IHR8-212
LPC8-215	IR8-215-209	IR8-215-206	IR8-215-203	IHR8-215
LPC8-302	IR8-302-212	IR8-302-209	IR8-302-206	IHR8-302
LPC8-308	IR8-308-215	IR8-308-215	IR8-308-209	IHR8-308
LPC14-215	IR14-215-209	-	-	IHR14-215
LPC14-302	IR14-302-212	IR14-302-209	-	IHR14-302
LPC14-308	IR14-308-215	IR14-308-212	IR14-308-209	IHR14-308
LPC14-314	IR14-314-302	IR14-314-215	IR14-314-212	IHR14-314
LPC14-404	IR14-404-304	IR14-404-302	IR14-404-215	IHR14-404
LPC14-410	IR14-410-404	IR14-410-304	IR14-410-302	IHR14-410
LPC30-314	IR30-314-304	-	-	IHR30-314
LPC30-404	IR30-404-314	IR30-404-304	-	IHR30-404
LPC30-410	IR30-410-404	IR30-410-314	IR30-410-304	IHR30-410
LPC30-500	IR30-500-410	IR30-500-404	IR30-500-314	IHR30-500
LPC30-506	IR30-506-500	IR30-506-410	IR30-506-404	IHR30-506
LPC30-512	IR30-512-506	IR30-512-500	IR30-512-410	IHR30-512
LPC30-602	IR30-602-512	IR30-602-506	IR30-602-500	IHR30-602

Not all reducer bushes are listed, for other sizes contact Durapac

DET & DAT SERIES

DURAPAC

TORQUE WRENCH POWER UNITS

THE **DET & DAT–SERIES** TORQUE WRENCH POWER UNITS ARE PERFECTLY DESIGNED FOR OPERATING THE TW AND LPC –SERIES HYDRAULIC TORQUE WRENCHES.

They have a three stage pump for faster operation under load and incorporate a hydraulic oil cooler providing cool operation under continuous use. A 6 M remote hand pendant is standard. Standard (-1114) models can operate one or two tools at one time due to the multi outlet pump block. The DET-1114-4 four outlet version allows 1 - 4 tools to be operated at one time.

OIL COOLER
electric fan operated for continuous duty operation

ROLL CAGE
for portability and protection



ELECTRIC MOTOR
1.5 kW/230 Volt 50Hz induction motor 9.2 amp

LIQUID FILLED PRESSURE GAUGE
has 1% accuracy and can be recalibrated. Scale is MPa/psi

ADJUSTABLE TORQUE CONTROL
for accurate torque settings

MULTIPLE TOOL OUTLETS
for operating one or two tools simultaneously

DET-1114-4
for operating 1 - 4 tools simultaneously



3 STAGE POWER UNIT
for increased speed under load

6 M REMOTE PENDANT
through a 24 Volt transformer for safety. Incorporates motor ON/OFF button and ADV/AUTO RETRACT button

DET-1114

Model No.	Motor	Pressure Rating (bar)	Flow (Lpm)			Oil Capacity (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
			1st Stage 0-100 bar	2nd Stage 100-250 bar	3rd Stage 250-700 bar			
DAT-1114	2.7 kW Air	700	7.0	1.6	0.8	7.0	31.5	340 x 530 x 500
DET-1114	230 Volt / 1 Ph. / 50 Hz†	700	8.5	2.2	1.1	5.5	28.0	
DET-1114-4	230 Volt / 1 Ph. / 50 Hz†	700	8.5	2.2	1.1	5.5	28.0	

† Standard motor supplied is 230V, 50 Hz, should 115V, 60 Hz be required; add "-115V" to the end of the model number, eg. "DET-1114-4-115V"

LIQUID FILLED PRESSURE GAUGE
has 1% accuracy and can be recalibrated. Scale is MPa/psi

AIR MOTOR
2.7 kW Ingersoll Rand®

ADJUSTABLE TORQUE CONTROL
for accurate torque settings

MULTIPLE TOOL OUTLETS
for operating one or two tools simultaneously

ROLL CAGE
for portability and protection

AIR FILTER/ LUBRICATOR
for efficient operation

3 STAGE PUMP
for increased speed under load

OIL COOLER
keeps oil cool during heavy duty operation

6 M REMOTE PENDANT
incorporates motor ON/OFF button and ADV/AUTO RETRACT button



DAT-1114



POWER REQUIREMENT
Electric 230 Volt 50 Hz Air 1,400 Lpm @ 6.2 bar

FLOW
3 stage

MAXIMUM OPERATING PRESSURE
700 bar

Torque Wrench Hoses

Model No.	Length (m)	Description
TWH-04	4	Twin hose set to suit torque wrenches complete with male and female screw couplers at both ends. 700 bar working pressure. 2,800 bar min. burst.
TWH-06	6	
TWH-10	10	
TWH-15	15	



Hose burst sleeve available. Consult Durapac for further information

The ***DET & DAT*** hydraulic torque wrench power units are supplied with an oil cooler to allow continuous operation of hydraulic torque wrenches



Torque Wrench Couplings

Model No.	Thread	Description	Suits Tool Model No.
CH-2	1/8"-NPT Male	Male half screw coupling complete with metal dust cap*	TW07, TW1, LPC2
CR-2	1/8"-NPT Male	Female half screw coupling complete with metal dust cap*	TW07, TW1, LPC2
CS-2	1/8"-NPT Male	Coupling set with metal dust caps* includes CH-2 and CR-2	TW07, TW1, LPC2
CH-4	1/4"-NPT Female	Male half screw coupling complete with metal dust cap*	TW3 THROUGH TW50 LPC4 THROUGH LPC30
CR-4	1/4"-NPT Male	Female half screw coupling complete with metal dust cap*	TW3 THROUGH TW50 LPC4 THROUGH LPC30
CS-4		Coupling set with metal dust caps* includes CH-4 and CR-4	TW3 THROUGH TW50 LPC4 THROUGH LPC30



CH-2



CH-4



CR-2



CR-4



CS-2



CS-4

Snap couplings available. Consult Durapac for further information

* Dust cap/s not shown

THE **TQ-SERIES** MANUAL TORQUE WRENCHES ARE PRECISION TOOLS USED IN VARIOUS INDUSTRIES LIKE AUTOMOTIVE, MANUFACTURING, AND CONSTRUCTION.

Durapac offer a variety of manual torque wrenches with different drive sizes and torque capabilities, ensuring your unique needs are met. Each tool is supplied with a factory calibration certificate and robust carry case.



TQ-1000

TQ-600

TQ-200

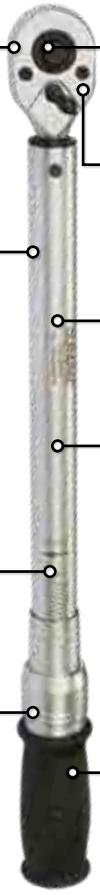
Model No.	Square Drive	Teeth	Torque Range (Nm)	Graduation (Nm)	Length (mm)	Weight (kg)
TQ-20	3/8"	24	4 – 20	0.1	329	0.65
TQ-60	3/8"	32	10 – 60	0.5	344	0.76
TQ-100	1/2"	32	20 – 100	0.5	436	1.31
TQ-200	1/2"	32	40 – 200	1.0	512	1.58
TQ-340	1/2"	32	60 – 340	2.0	614	1.80
TQ-400	3/4"	32	80 – 400	2.0	614	1.80
TQ-600	3/4"	24	100 – 600	5.0	1,050	5.03
TQ-800	3/4"	24	150 – 800	5.0	1,240	6.11
TQ-1000	3/4"	24	200 – 1,000	5.0	1,240	6.11
TQ-1500	1"	24	300 – 1,500	10.0	1,850	10.60
TQ-2500	1"	36	500 – 2,500	20.0	2,920	19.60

RATCHET HEAD
for clockwise and counterclockwise applications. Ratchet head repair kits available separately

CHROME STEEL TUBE
is robust and reliable, making it ideal for industrial use

MICROMETER LASER SCALES
on the handle, enable precise adjustment

LOCK RING
automatically locks the set torque value but allows 'press-down' easy adjustment



QUICK-RELEASE DESIGN
allows fast socket changes

POSITIVE FEEDBACK
an audible signal indicates when desired torque is achieved

SERIAL NUMBER
engraved for traceability

CERTIFIED QUALITY
meets DIN ISO 6789, ASME B107.300-2010 & supplied with Certificate of Calibration

TPR HANDLE
TPR (thermoplastic rubber) handle provides non-slip comfort & comes with a REACH - SVHC Declaration of Conformity



TORQUE RANGE
4 - 2,500 Nm

SQUARE DRIVE RANGE
3/8" - 1"

TORQUE TOLERANCE
±3%

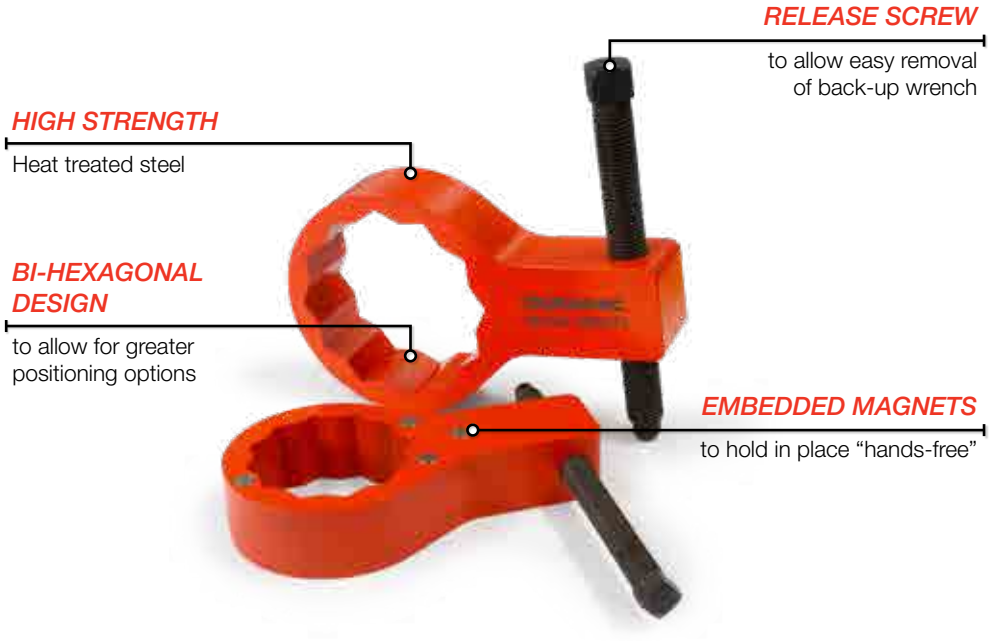
ROBUST CARRY CASE
supplied



THE **DBW–SERIES** BACK-UP WRENCHES ALLOW FOR A HANDS-FREE OPERATION THAT STOPS THE OPPOSITE SIDE OF A NUT OR BOLT ROTATING DURING HIGH TORQUE INSTALLATION OR REMOVAL OF THE FASTENER.

The back-up wrenches are held in place with embedded magnets; this allows hands to remain clear of any pinch points or high force areas. Once the fastener is tight, the back-up wrench can be safely removed with no residual load by releasing the release screw. Extensively used with ANSI and API flanges, it can also be used in any bolting application that involves nuts, bolt heads & studs. Special designs / sizes available on request.







DBW METRIC RANGE
16 - 145 mm

DBW IMPERIAL RANGE
5/8" - 5-3/4"

MAXIMUM OPERATING RANGE
56 - 67,532 Nm

Metric Model	Metric Nut Size (mm)	Imperial Model	Imperial Nut Size (inch)	Centre Axis to Tool End Length (mm)	Thickness (mm)	Max. Load (Nm)	Release Screw Size
DBW16	16	**DBW0-5/8"**	5/8"	45	12	56	M8
DBW20	20	**DBW0-13/16"**	13/16"	60	12	100	M8
DBW24	24	**DBW0-15/16"**	15/16"	75	14	254	M8
DBW27	27	**DBW1-1/16"**	1-1/16"	75	14	349	M8
DBW30	30	**DBW1-3/16"**	1-3/16"	80	19	490	M10
DBW32	32	**DBW1-1/4"**	1-1/4"	85	19	726	M10
DBW36	36	**DBW1-7/16"**	1-7/16"	85	19	845	M10
DBW41	41	**DBW1-5/8"**	1-5/8"	100	24	1,153	M12
DBW46	46	**DBW1-13/16"**	1-13/16"	100	24	1,696	M12
DBW50	50	**DBW2"**	2"	105	29	2,128	M12
DBW55	55	**DBW2-3/16"**	2-3/16"	105	29	2,955	M12
DBW58	58	**DBW2-1/4"**	2-1/4"	115	34	2,955	M16
DBW60	60	**DBW2-3/8"**	2-3/8"	115	34	3,541	M16
DBW65	65	**DBW2-9/16"**	2-9/16"	115	34	4,742	M16
DBW70	70	**DBW2-3/4"**	2-3/4"	115	34	5,469	M16
DBW75	75	**DBW2-15/16"**	2-15/16"	120	34	7,158	M16
DBW80	80	**DBW3-1/8"**	3-1/8"	120	38	9,220	M20
DBW85	85	**DBW3-1/2"**	3-1/2"	120	38	11,476	M20
DBW90	90	**DBW3-11/16"**	3-11/16"	120	38	14,295	M20
DBW95	95	**DBW3-7/8"**	3-7/8"	125	40	17,148	M20
DBW100	100	**DBW4"**	4"	125	40	20,954	M20
DBW105	105	**DBW4-1/8"**	4-1/8"	130	40	24,824	M20
DBW110	110	**DBW4-1/4"**	4-1/4"	130	40	29,813	M20
DBW115	115	**DBW4-1/2"**	4-1/2"	135	45	33,167	M24
DBW120	120	**DBW4-5/8"**	4-5/8"	140	45	39,159	M24
DBW130	130	**DBW5"**	5"	145	50	42,423	M24
DBW135	135	**DBW5-3/8"**	5-3/8"	150	50	48,306	M24
DBW145	145	**DBW5-3/4"**	5-3/4"	155	55	67,532	M24

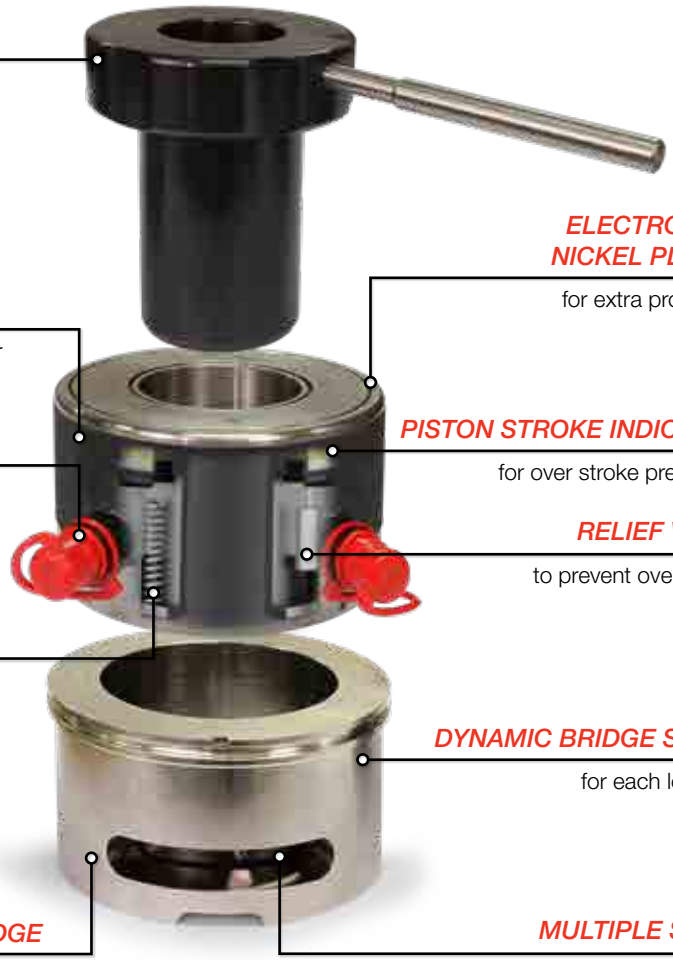
THE **DBS SERIES** HYDRAULIC BOLT TENSIONERS WILL ENSURE UNIFORMED GASKET COMPRESSION.

Compression is essential for the integrity of critical bolted flange connections. Unlike a torque wrench, the DBS Series Bolt Tensioners are capable of tightening more than one bolt at a time and can apply a consistent torque via direct axial stretching to any given number of bolts simultaneously. These tensioners have been designed to fit all standard ANSI & API flanges with quick release bridge incorporating hexagon socket for a fast change over. There are 9 load cells with a bolt size range from M20 to M115 or 3/4" to 4-1/2" 8UN and they are light and easily handled. All load cells are electroless nickel plated for extra protection and are easily maintained.



DBS-7

DBS-4



MULTIPLE SIZE
thread adaptors per load cell

ELECTROLESS NICKEL PLATED
for extra protection

ANTI-SLIP FINISH
provides grip for better handling

DUAL PORTS
allow quick coupling of multiple tools

PISTON STROKE INDICATOR
for over stroke prevention

RELIEF VALVE
to prevent over-stroke

RETURN SPRING
for faster retraction

DYNAMIC BRIDGE SIZING
for each load cell

REMOVABLE AND ROTATIONAL BRIDGE
with full bridge window to simplify positioning

MULTIPLE SIZES
for hex sockets per load cell



CAPACITY RANGE
160 - 4,100 kN

STROKE RANGE
8 - 10 mm

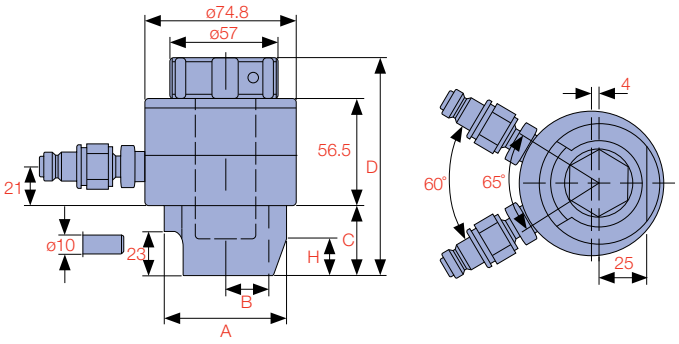
BOLT RANGE
3/4" – 4-1/2" or M20 – M115

MAXIMUM OPERATING PRESSURE
1,500 bar

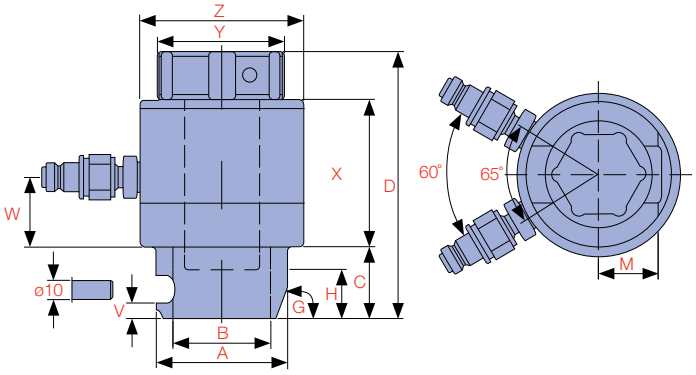
Model	DBS-0	DBS-1	DBS-2	DBS-3	DBS-4	DBS-5	DBS-6	DBS-7	DBS-8
Metric Bolt Dimensions (Ø * pitch)	M20x2.5	M24x3	M24x3	M33x3.5	M39x4	M52x5.5	M72x6	M90x6	M105x6
	M22x2.5	M27x3	M27x3	M36x4	M42x4.5	M56x5.5	M76x6	M95x6	M110x6
			M30x3.5	M39x4	M45x5	M60x5.5	M80x6	M100x6	M115x6
			M33x3.5	M42x4.5	M48x5	M64x6	M85x6		
			M36x4			M68x6	M90x6		
						M70x6			
Imperial Threads (Ø in-)	3/4" 10UN	1" 8UN	1" 8UN	1 1/4" 8UN	1 1/2" 8UN	2" 8UN	2 3/4" 8UN	3 1/2" 8UN	4" 8UN
	7/8" 9UN	1 1/8" 8UN	1 1/8" 8UN	1 3/8" 8UN	1 5/8" 8UN	2 1/4" 8UN	3" 8UN	3 3/4" 8UN	4-1/4" 8UN
			1 1/4" 8UN	1 1/2" 8UN	1 3/4" 8UN	2 1/2" 8UN	3 1/4" 8UN	4" 8UN	4-1/2" 8UN
			1 3/8" 8UN	1 5/8" 8UN	1 7/8" 8UN	2 3/4" 8UN	3 1/2" 8UN		
					2" 8UN				
Maximum Pressure (bar)	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Effective Area (mm^2)	1,067	1,867	3,003	4,400	6,669	10,002	16,670	21,336	27,336
Maximum Force (kN)	160	280	450	660	1,000	1,500	2,500	3,200	4,100
Maximum Piston Stroke (mm)	8	10	10	10	10	10	10	10	10
Retraction Type	Manual	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
Load Cell Weight (kg)	1.5	2.1	3.3	4.1	7.2	9.3	14.4	19.2	28.0
Approx. Thread Adaptor Kit (kg)	1.0	1.6	2.2	3.4	4.3	9.2	18.6	27.8	35.5
Approx. Total Weight (kg)	2.5	3.7	5.5	7.5	11.5	18.5	33.0	47.0	63.5

Model	Max. Pressure (bar)	Max. Load Capacity (kN)	Max. Stroke (mm)	Effective Area (mm^2)	Thread Specification	A/F Nut Size	A (mm)	B (mm)	C (mm)	D (mm)	G°	H (mm)	L (mm)
DBS-0	1,500	160	8	1,067	M20x2.5	30	63.0	45.0	36.0	113.5	70.0	19.0	-
					M22x2.5	32	63.0	45.0	36.0	113.5	70.0	21.0	-
					3/4" 10UN	1-1/4"	63.0	45.0	36.0	113.5	70.0	22.0	-
					7/8" 9UN	1-7/16"	63.0	45.0	36.0	113.5	70.0	25.0	-
DBS-1	1,500	280	10	1,867	M24x3	36	68.0	50.5	38.0	141.5	70.0	23.0	-
					M27x3	41	68.0	50.5	38.0	141.5	70.0	26.0	-
					1" 8UN	1-5/8"	68.0	50.5	38.0	141.5	70.0	30.0	-
					1-1/8" 8UN	1-13/16"	76.0	50.5	41.0	144.5	70.0	33.0	-
DBS-2	1,500	450	10	3,003	M24x3	36	75.0	50.5	38.0	141.5	60.0	23.0	-
					M27x3	41	75.0	50.5	38.0	141.5	60.0	26.0	-
					M30x3.5	46	80.0	50.5	41.0	144.5	60.0	28.0	-
					M33x3.5	50	84.0	62.0	44.0	147.5	70.0	30.0	-
					M36x4	55	88.5	67.0	47.0	150.5	63.0	33.0	-
					1" 8UN	1-5/8"	75.0	50.5	38.0	141.5	60.0	30.0	-
					1-1/8" 8UN	1-13/16"	80.0	55.5	41.0	144.5	60.0	33.0	-
					1-1/4" 8UN	2"	84.0	62.0	44.0	147.5	70.0	36.0	-
					1-3/8" 8UN	2-3/16"	88.5	67.5	47.0	150.5	63.0	39.0	-
DBS-3	1,500	660	10	4,400	M33x3.5	50	92.0	62.0	44.0	149.5	65.0	30.0	-
					M36x4	55	96.0	67.5	47.0	152.5	63.0	33.0	-
					M39x4	60	105.0	73.5	50.5	156.0	68.0	35.5	-
					M42x4.5	65	104.5	79.0	53.5	159.0	59.0	38.0	-
					1-1/4" 8UN	2"	92.0	62.0	44.0	149.5	65.0	36.0	-
					1-3/8" 8UN	2-3/16"	96.0	67.5	47.0	152.5	63.0	39.0	-
					1-1/2" 8UN	2-3/8"	105.0	73.5	50.5	156.0	68.0	42.5	-
					1-5/8" 8UN	2-9/16"	104.5	79.0	53.5	159.0	59.0	45.5	-
DBS-4	1,500	1,000	10	6,669	M39x4	60	112.0	73.0	50.5	163.5	64.0	35.5	-
					M42x4.5	65	114.0	79.0	53.5	166.5	67.0	38.0	-
					M45x4.5	70	126.0	84.5	57.0	170.0	69.0	40.0	-
					M48x5	75	123.0	89.5	60.0	173.0	68.0	42.0	-
					1-1/2" 8UN	2-3/8"	112.0	73.0	50.5	163.5	64.0	42.5	-
					1-5/8" 8UN	2-9/16"	114.0	79.0	53.5	166.5	67.0	45.5	-
					1-3/4" 8UN	2-3/4"	126.0	84.5	57.0	170.0	69.0	49.0	-
					1-7/8" 8UN	2-15/16"	123.0	89.5	60.0	173.0	68.0	52.0	-
					2" 8UN	3-1/8"	128.0	95.5	63.0	176.0	61.0	55.0	-
DBS-5	1,500	1,500	10	10,002	M52x5	80	134.0	95.5	63.0	187.0	61.0	46.0	120.0
					M56x5.5	85	148.0	106.5	69.5	193.5	60.0	49.0	138.0
					M60x5.5	90	148.0	106.5	69.5	193.5	60.0	52.0	138.0
					M64x6	95	153.0	118.0	76.0	200.0	60.0	55.0	138.0
					M68x6	100	153.0	118.0	76.0	200.0	60.0	58.0	138.0
					M70x6	102	153.0	118.0	76.0	200.0	60.0	58.0	138.0
					2" 8UN	3-1/8"	134.0	95.5	63.0	187.0	61.0	55.0	120.0
					2-1/4" 8UN	3-1/2"	148.0	106.5	69.5	193.5	60.0	61.5	138.0
					2-1/2" 8UN	3-7/8"	153.0	118.0	76.0	200.0	60.0	68.0	138.0
					2-3/4" 8UN	4-1/4"	165.0	129.5	82.0	206.0	60.0	74.0	156.0
DBS-6	1,500	2,500	10	16,670	M72x6	105	172.0	129.5	82.0	216.0	60.0	62.0	157.0
					M76x6	110	182.0	140.0	89.0	223.0	64.0	65.0	157.0
					M80x6	115	182.0	140.0	89.0	223.0	64.0	68.0	157.0
					M85x6	121	190.0	151.0	95.0	229.0	60.0	72.0	157.0
					M90x6	130	205.0	163.0	101.0	235.0	60.0	76.0	157.0
					2-3/4" 8UN	4-1/4"	172.0	129.5	82.0	216.0	60.0	74.0	157.0
					3" 8UN	4-5/8"	182.0	140.0	89.0	223.0	64.0	81.0	157.0
					3-1/4" 8UN	5"	190.0	151.0	95.0	229.0	60.0	87.0	157.0
					3-1/2" 8UN	5-3/8"	205.0	163.0	101.0	235.0	60.0	93.0	157.0
DBS-7	1,500	3,200	10	21,336	M90x6	130	230.0	163.0	101.0	241.0	60.0	76.0	200.0
					M95x6	135	230.0	163.0	101.0	241.0	60.0	80.0	200.0
					M100x6	146	235.0	174.0	107.0	247.0	60.0	84.0	200.0
					3-1/2" 8UN	5-3/8"	230.0	163.0	101.0	241.0	60.0	93.0	200.0
					3-3/4" 8UN	5-3/4"	235.0	174.0	107.0	247.0	60.0	99.0	200.0
					4" 8UN	6-1/8"	242.0	185.0	114.0	254.0	60.0	106.0	210.0
DBS-8	1,500	4,100	10	27,336	M105x6	150	255.0	185.0	114.0	264.0	60.0	88.0	210.0
					M110x6	155	255.0	185.0	114.0	264.0	60.0	92.0	210.0
					M115x6	165	260.0	197.0	120.0	270.0	60.0	96.0	224.0
					4" 8UN	6-1/8"	255.0	185.0	114.0	264.0	60.0	106.0	210.0
					4-1/4" 8UN	6-1/2"	260.0	197.0	120.0	270.0	60.0	112.0	224.0
					4-1/2" 8UN	6-7/8"	270.0	207.0	127.0	277.0	60.0	119.0	232.0

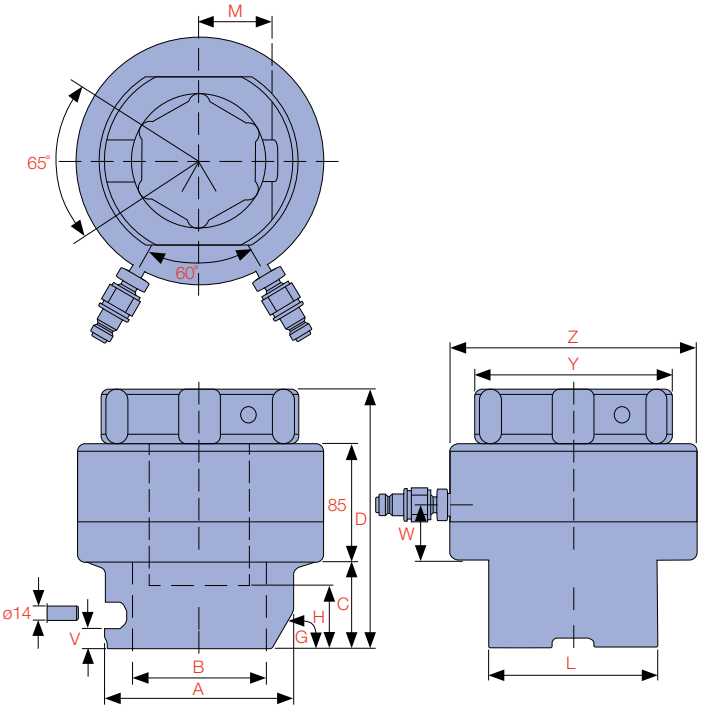
M (mm)	V (mm)	W (mm)	X (mm)	Y Ø (mm)	Z Ø (mm)	Tommy Bar Ø (mm)
25.0	-	-	-	-	-	10.0
25.0	-	-	-	-	-	10.0
25.0	-	-	-	-	-	10.0
25.0	-	-	-	-	-	10.0
31.0	8.8	37.5	78.5	67.0	85.0	10.0
31.0	8.8	37.5	78.5	67.0	85.0	10.0
31.0	8.8	37.5	78.5	67.0	85.0	10.0
31.0	8.8	37.5	78.5	67.0	85.0	10.0
30.0	11.8	37.5	78.5	82.0	103.0	10.0
30.0	11.8	37.5	78.5	82.0	103.0	10.0
30.0	11.8	37.5	78.5	82.0	103.0	10.0
35.0	11.8	37.5	78.5	82.0	103.0	10.0
35.0	11.8	37.5	78.5	82.0	103.0	10.0
30.0	11.8	37.5	78.5	82.0	103.0	10.0
30.0	11.8	37.5	78.5	82.0	103.0	10.0
35.0	11.8	37.5	78.5	82.0	103.0	10.0
38.0	11.8	37.5	78.5	82.0	103.0	10.0
35.0	12.75	37.5	78.5	96.0	118.0	10.0
38.0	12.75	37.5	78.5	96.0	118.0	10.0
42.0	12.75	37.5	78.5	96.0	118.0	10.0
41.0	12.75	37.5	78.5	96.0	118.0	10.0
35.0	12.75	37.5	78.5	96.0	118.0	10.0
38.0	12.75	37.5	78.5	96.0	118.0	10.0
42.0	12.75	37.5	78.5	96.0	118.0	10.0
41.0	12.75	37.5	78.5	96.0	118.0	10.0
42.0	12.75	40.0	81.0	110.0	140.5	10.0
45.0	12.75	40.0	81.0	110.0	140.5	10.0
52.0	12.75	40.0	81.0	110.0	140.5	10.0
51.0	12.75	40.0	81.0	110.0	140.5	10.0
42.0	12.75	40.0	81.0	110.0	140.5	10.0
45.0	12.75	40.0	81.0	110.0	140.5	10.0
52.0	12.75	40.0	81.0	110.0	140.5	10.0
51.0	12.75	40.0	81.0	110.0	140.5	10.0
52.0	12.75	40.0	81.0	110.0	140.5	10.0
52.0	14.5	41.0	85.0	140.0	175.5	14.0
58.0	14.5	41.0	85.0	140.0	175.5	14.0
58.0	14.5	41.0	85.0	140.0	175.5	14.0
63.0	14.5	41.0	85.0	140.0	175.5	14.0
63.0	14.5	41.0	85.0	140.0	175.5	14.0
63.0	14.5	41.0	85.0	140.0	175.5	14.0
52.0	14.5	41.0	85.0	140.0	175.5	14.0
58.0	14.5	41.0	85.0	140.0	175.5	14.0
63.0	14.5	41.0	85.0	140.0	175.5	14.0
70.0	14.5	41.0	85.0	140.0	175.5	14.0
72.0	14.5	41.0	85.0	180.0	219.0	14.0
80.0	14.5	41.0	85.0	180.0	219.0	14.0
80.0	14.5	41.0	85.0	180.0	219.0	14.0
84.0	14.5	41.0	85.0	180.0	219.0	14.0
88.0	14.5	41.0	85.0	180.0	219.0	14.0
72.0	14.5	41.0	85.0	180.0	219.0	14.0
80.0	14.5	41.0	85.0	180.0	219.0	14.0
84.0	14.5	41.0	85.0	180.0	219.0	14.0
88.0	14.5	41.0	85.0	180.0	219.0	14.0
88.0	45.0	41.0	85.0	200.0	252.0	14.0
88.0	45.0	41.0	85.0	200.0	252.0	14.0
94.0	45.0	41.0	85.0	200.0	252.0	14.0
88.0	45.0	41.0	85.0	200.0	252.0	14.0
94.0	45.0	41.0	85.0	200.0	252.0	14.0
114.0	45.0	41.0	85.0	200.0	252.0	14.0
114.0	45.0	41.0	85.0	218.0	283.0	14.0
114.0	45.0	41.0	85.0	218.0	283.0	14.0
114.0	45.0	41.0	85.0	218.0	283.0	14.0
114.0	45.0	41.0	85.0	218.0	283.0	14.0
114.0	45.0	41.0	85.0	218.0	283.0	14.0
117.0	45.0	41.0	85.0	218.0	283.0	14.0



DBS-0



DBS-1, DBS-2, DBS-3 & DBS-4



DBS-5, DBS-6, DBS-7 & DBS-8

LOAD CELL



TENSION ADAPTOR KIT



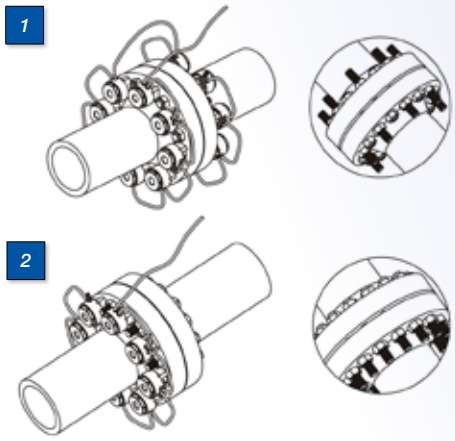
How to order...

For greater flexibility Tension Adaptor Kits are ordered separately

1) Select appropriate Load Cell
2) Select appropriate Tension Adaptor Kit based on bolt diameter and A/F size of nut
3) Create order for complete unit e.g.
1 x DBS-4 Load Cell
1 x DBS4-M42x4.5 Tension Adaptor Kit

Metric - Tension Adaptor Kit Sizing

Bolt Diameter (mm)	A/F Nut Size	DBS-0	DBS-1	DBS-2	DBS-3	DBS-4	DBS-5	DBS-6	DBS-7	DBS-8
		160 kN	280 kN	450 kN	660 kN	1,000 kN	1,500 kN	2,500 kN	3,200 kN	4,100 kN
M20x2.5	30	M20x2.5 (30)								
M22x2.5	32	M22x2.5 (32)								
M24x3	36		M24x3 (36)	M24x3 (36)						
M27x3	41		M27x3 (41)	M27x3 (41)						
M30x3.5	46			M30x3.5 (46)						
M33x3.5	50			M33x3.5 (50)	M33x3.5 (50)					
M36x4	55			M36x4 (55)	M36x4 (55)					
M39x4	60				M39x4 (60)	M39x4 (60)				
M42x4.5	65				M42x4.5 (65)	M42x4.5 (65)				
M45x5	70					M45x4.5 (70)				
M48x5	75					M48x5 (75)				
M52x5.5	80						M52x5 (80)			
M56x5.5	85						M56x5.5 (85)			
M60x5.5	90						M60x5.5 (90)			
M64x6	95						M64x6 (95)			
M68x6	100						M68x6 (100)			
M70x6	100						M70x6 (100)			
M72x6	105							M72x6 (105)		
M76x6	110							M76x6 (110)		
M80x6	115							M80x6 (115)		
M85x6	120							M85x6 (120)		
M90x6	130							M90x6 (130)	M90x6 (130)	
M95x6	135								M95x6 (135)	
M100x6	145								M100x6 (145)	
M105x6	150									M105x6 (150)
M110x6	155									M110x6 (155)
M115x6	165									M115x6 (165)



Tensioning

Not all applications allow for the simultaneous fit of a tensioning device on each bolt, in these cases at least two tensioning pressures are applied

1) Setup using a 100% tensioning procedure
2) Setup using a 50% tensioning procedure

The Manufacturers' rating of pressure and torque are maximum safe limits. It's good practice to use only 80% of these ratings

Imperial - Tension Adaptor Kit Sizing

Bolt Diameter (inch)	A/F Nut Size	DBS-0	DBS-1	DBS-2	DBS-3	DBS-4	DBS-5	DBS-6	DBS-7	DBS-8
		160 kN	280 kN	450 kN	660 kN	1,000 kN	1,500 kN	2,500 kN	3,200 kN	4,100 kN
3/4" 10UN	1-1/4"	3/4" 10UN (1-1/4")								
7/8" 9UN	1-7/16"	7/8" 9UN (1-7/16")								
1" 8UN	1-5/8"		1" 8UN (1-5/8")	1" 8UN (1-5/8")						
1 1/8" 8UN	1-13/16"		1 1/8" 8UN (1-13/16")	1 1/8" 8UN (1-13/16")						
1 1/4" 8UN	2"			1 1/4" 8UN (2")	1 1/4" 8UN (2")					
1 3/8" 8UN	2-3/16"			1 3/8" 8UN (2-3/16")	1 3/8" 8UN (2-3/16")					
1 1/2" 8UN	2-3/8"				1 1/2" 8UN (2-3/8")	1 1/2" 8UN (2-3/8")				
1 5/8" 8UN	2-9/16"				1 5/8" 8UN (2-9/16")	1 5/8" 8UN (2-9/16")				
1 3/4" 8UN	2-3/4"					1 3/4" 8UN (2-3/4")				
1 7/8" 8UN	2-15/16"					1 7/8" 8UN (2-15/16")				
2" 8UN	3-1/8"					2" 8UN (3-1/8")	2" 8UN (3-1/8")			
2 1/4" 8UN	3-1/2"						2 1/4" 8UN (3-1/2")			
2 1/2" 8UN	3-7/8"						2 1/2" 8UN (3-7/8")			
2 3/4" 8UN	4-1/4"						2 3/4" 8UN (4-1/4")	2 3/4" 8UN (4-1/4")		
3" 8UN	4-5/8"							3" 8UN (4-5/8")		
3 1/4" 8UN	5"							3 1/4" 8UN (5")		
3 1/2" 8UN	5-3/8"							3 1/2" 8UN (5-3/8")	3 1/2" 8UN (5-3/8")	
3 3/4" 8UN	5-3/4"								3 3/4" 8UN (5-3/4")	
4" 8UN	6-1/8"								4" 8UN (6-1/8")	4" 8UN (6-1/8")
4-1/4" 8UN	6-1/2"									4-1/4" 8UN (6-1/2")
4-1/2" 8UN	6-7/8"									4-1/2" 8UN (6-7/8")

THREAD ADAPTOR



LOAD CELL



BRIDGE AND SOCKET



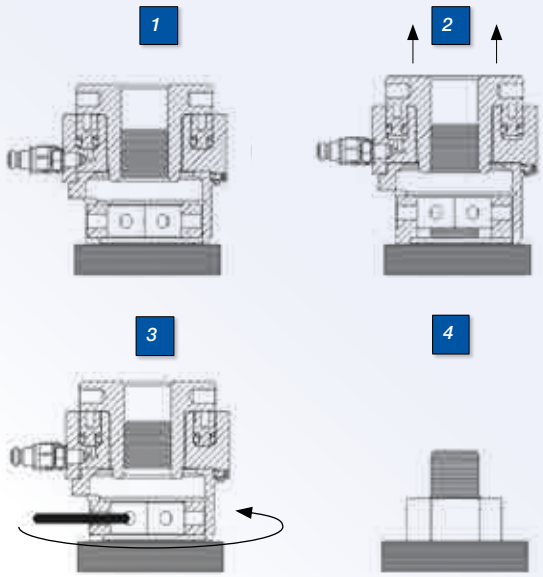
CROSS SECTIONAL





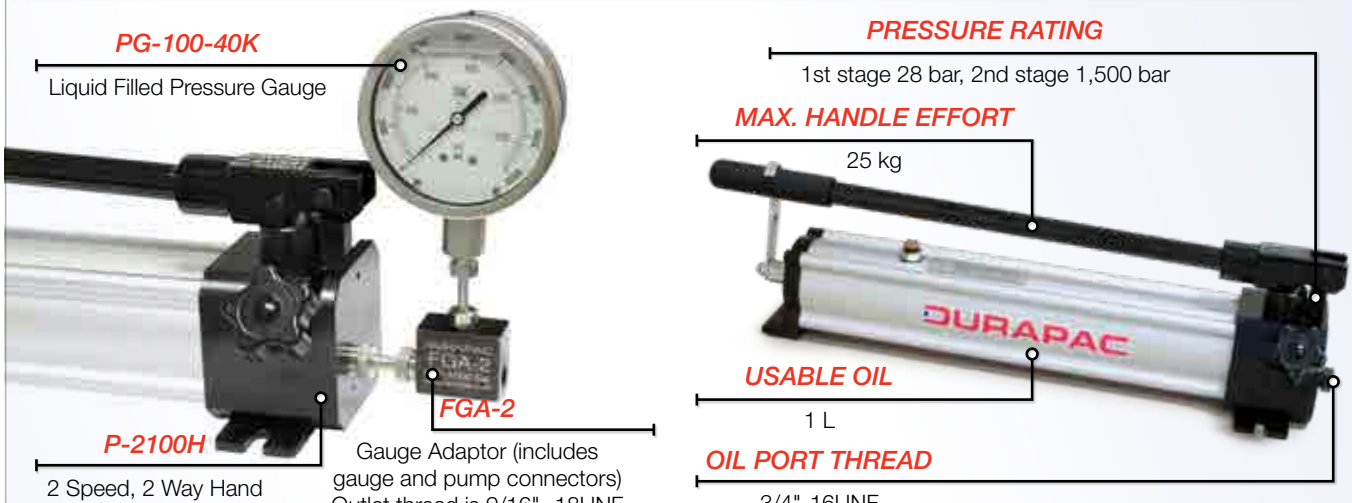
Tensioner Instructions

1) *The bolt tensioner is fitted over the stud*
2) *Hydraulic pressure is applied to the tensioner which then stretches the stud*
3) *The stud's nut is wound down against the joint face*
4) *Pressure is released and the tool removed*



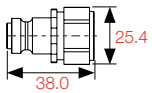
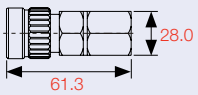
Pressure (bar)	DBS-0 kN	DBS-1 kN	DBS-2 kN	DBS-3 kN	DBS-4 kN	DBS-5 kN	DBS-6 kN	DBS-7 kN	DBS-8 kN	Pressure (psi)
100	1,067	1,867	3,003	4,400	6,669	10,002	16,670	21,336	27,336	**1,450**
200	2,134	3,734	6,006	8,800	13,338	20,004	33,340	42,672	54,672	**2,901**
300	3,201	5,601	9,009	13,200	20,007	30,006	50,010	64,008	82,008	**4,351**
400	4,268	7,468	12,012	17,600	26,676	40,008	66,680	85,344	109,344	**5,801**
500	5,335	9,335	15,015	22,000	33,345	50,010	83,350	106,680	136,680	**7,252**
600	6,402	11,202	18,018	26,400	40,014	60,012	100,020	128,016	164,016	**8,702**
700	7,469	13,069	21,021	30,800	46,683	70,014	116,690	149,352	191,352	**10,152**
800	8,536	14,936	24,024	35,200	53,352	80,016	133,360	170,688	218,688	**11,603**
900	9,603	16,803	27,027	39,600	60,021	90,018	150,030	192,024	246,024	**13,053**
1,000	10,670	18,670	30,030	44,000	66,690	100,020	166,700	213,360	273,360	**14,503**
1,100	11,737	20,537	33,033	48,400	73,359	110,022	183,370	234,696	300,696	**15,954**
1,200	12,804	22,404	36,036	52,800	80,028	120,024	200,040	256,032	328,032	**17,404**
1,300	13,871	24,271	39,039	57,200	86,697	130,026	216,710	277,368	355,368	**18,854**
1,400	14,938	26,138	42,042	61,600	93,366	140,028	233,380	298,704	382,704	**20,305**
1,500	16,005	28,005	45,045	66,000	100,035	150,030	250,050	320,040	410,040	**21,755**

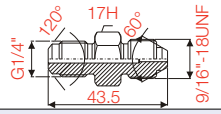
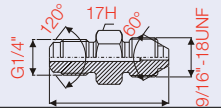
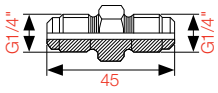
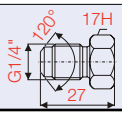
The DBTP-1500K is made up of P-2100H Hand Pump, FGA-2 Gauge Adaptor and PG-100-40K Pressure Gauge. This kit is ideal for single stud or small to medium bolt tensioning applications



DBTP-1500K / 1,500 bar Hand Pump Kit

High Pressure Accessories for use with DBTP-1500K

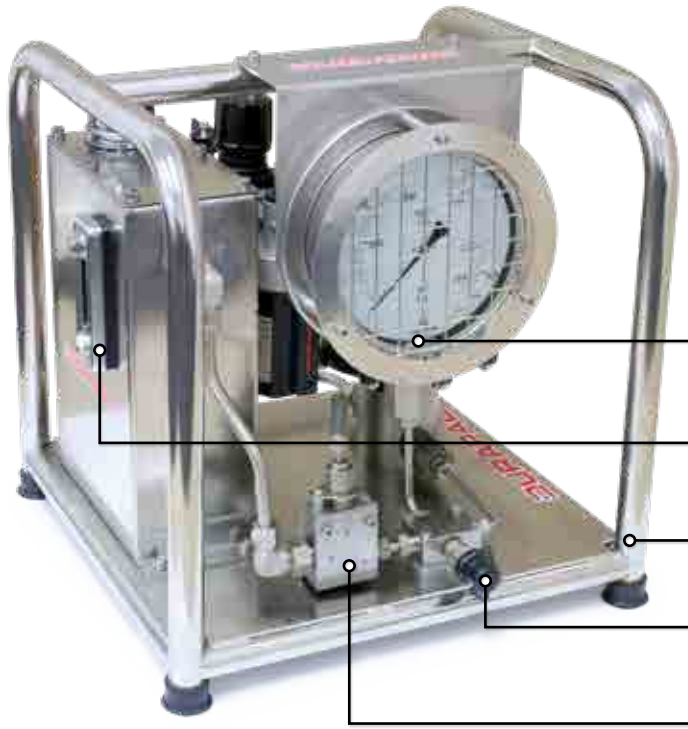
Model Number	Dimensions (mm)	Description	Dimensions
DBT116M  Quick Release Nipple		Max. W.P. 150 MPa Min. B.P. 300 MPa	Connect: G1/4" Weight: 60 g Rec. Torque: 40 - 50 Nm Hexagon key handle: 22
DBT116F  Quick Release Coupler		Max. W.P. 150 MPa Min. B.P. 300 MPa	Connect: G1/4" Weight: 165 g Rec. Torque: 40 - 50 Nm Hexagon key handle: 24

Model Number	Dimensions (mm)	End One	End Two
DBT14129166I WP 250 MPA		G1/4" male thread with 120° external cone	9/16"-18UNF male thread with 60° external cone
DBT14129166E WP 300 MPA		G1/4" male thread with 120° external cone	9/16"-18UNF male thread with 60° external cone
DBT14121412E WP 300 MPA		G1/4" male thread with 120° external cone	G1/4" male thread with 120° external cone
DBT1412SP		G1/4" male thread with 120° external cone	–

Model Number	Description	End One	End Two
DBTH-05A* 	Inner core: Polyoxymethylene (POM) Outer cover: Polyamide (PA) 4 layers of high-tensile steel wire Inside Diameter: 5.0 mm, Outside Diameter: 11.2 mm Working Pressure: 1,800 bar, Burst Pressure: 4,500 bar Minimum Bend Radius: 150 mm Weight: 0.26 kg/M	G1/4" Male	G1/4" Male

* Confirm hose length in metres when ordering

PAMH1514 - Front View



WHERE AIR IS THE PREFERRED POWER SOURCE, THE **PAMH POWER UNIT** IS PERFECT FOR BOLT TENSIONING APPLICATIONS.

The PAMH1514 is a 1,500 bar, lightweight, single acting power unit designed to work perfectly with Durapac's DBS Series Bolt Tensioners.

LIQUID FILLED PRESSURE GAUGE

range is 0-1,600 bar / 0-23,000 psi

SIGHT GLASS

incorporating a temperature gauge

STAINLESS STEEL BASE AND FRAME

resists corrosion and allows for easy handling

OIL OUTLET

fitted with a 1/4" DBT116M quick release nipple

PRESSURE RELEASE VALVE



PAMH1514 - Rear View

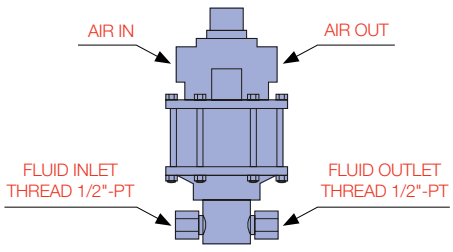
FILTER, REGULATOR & LUBRICATOR WITH GAUGE

are supplied on the air inlet

STAINLESS STEEL RESERVOIR

5.6 L of usable oil

RESERVOIR ON/OFF VALVE



Model Number	Used with Cylinder	Max. Pressure Rating (bar)	Compression Ratio	Oil Flow (cm^3/stroke)	Air Pressure Range (bar)	Air Consumption (Lpm)	Oil Port Thread	Oil Capacity (L)	Dry Weight (kg)	Dimension W x L x H (mm)
PAMH1514	S/A	1,500	1:310	1.2	5-7	793	G 1/4"	5.6	25	400 x 400 x 420

THE **PEMH-SERIES** POWER UNIT IS DESIGNED TO BE COMPATIBLE WITH DURAPAC'S DBS-SERIES BOLT TENSIONERS OPERATING AT 1,500 BAR.

The PEMH0543-2K model operates up to 2,000 bar and is ideal for testing and bolting applications requiring a higher working pressure.



AIR REQUIREMENT

Air 793 Lpm @ 7 bar (single speed pump)

POWER REQUIREMENT

Elec. 220 Volt 50-60 Hz (two speed pump)

MAXIMUM OPERATING PRESSURE RANGE

1,500 - 2,000 bar



ELECTRIC MOTOR

0.5 kW/220 volt 50-60 Hz universal motor 6.0 amps

LIQUID FILLED PRESSURE GAUGE

range is 0-2,500 bar / 0-35,000 psi

OIL OUTLET

fitted with a 1/4" DBT116M quick release nipple

RESERVOIR

capacity 4 L

ADJUSTABLE PRESSURE CONTROL

for accurate tensioning settings

PRESSURE RELEASE LEVER

SIGHT GLASS

incorporating a temperature gauge

2.8 M REMOTE PENDANT

through a 24 volt transformer for safety. Incorporates motor ON/OFF button

Model Number	Motor (kW)	Voltage† (1 Ph.)	Hz	Amps	Usable Oil Capacity (L)	Max. Pressure Rating (MPR) bar	Flow Rate (Lpm)		Remote Pendant Function 2.8 M	Weight (kg)	Dimension W x L x H (mm)
							30 bar	MPR bar			
PEMH0543	0.5	220	50/60	6	4	1,500	2	0.13	ON/OFF	19	180 x 265 x 465
PEMH0543-2K	0.5	220	50/60	6	4	2,000	2	0.13	ON/OFF	19	180 x 265 x 465

† Standard motor supplied is 220V, 6A, should 115V, 13A be required; add "-115V" to the end of the model number, eg. "PEMH0543-2K-115V"

THE **DHS-SERIES** OF HYDRAULIC SPREADERS ARE IDEALLY SUITED TO SPREADING, LIFTING AND LEVELLING WORKS.

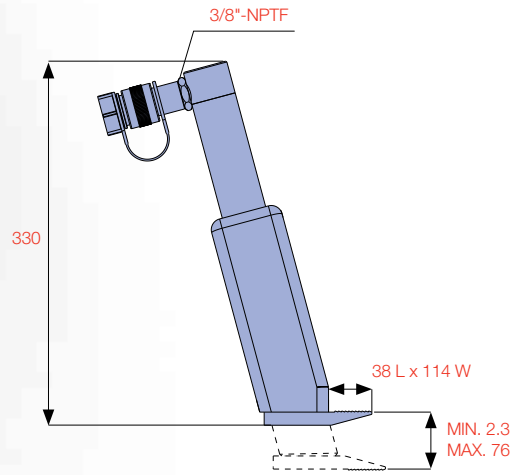
The DHS-5 model is designed for flange spreading operations. All models feature high strength steel construction and spring return cylinder.



DHS-5

DHS-5 ADVANTAGES

- 5 ton spreading force
- 2.3 - 76 mm spreading capability
- jaws open parallel
- will not drift away or creep down
- all metal construction

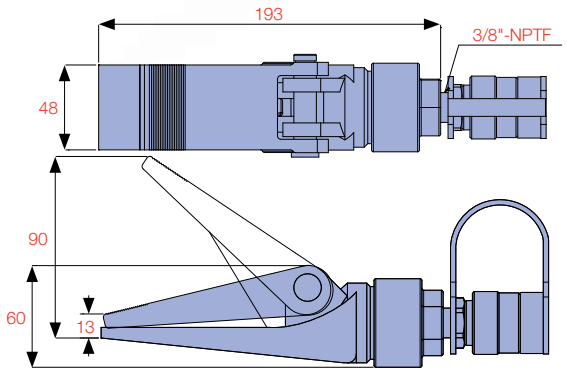


DHS-05 ADVANTAGES

- 1/2 ton spreading force
- 13 - 90 mm spreading capability
- economy model



DHS-05



Model Number	Capacity (ton)	Oil Capacity (cc)	Tip Clearance Min. (mm)	Spread Max. (mm)	Weight (kg)
DHS-05	0.5	9.5	13.0	90.0	1.9
DHS-1	1.0	14.0	12.8	96.5	2.2
DHS-5	5.0	82.0	2.3	76.0	6.2
DHS-15	15.0	26.0	5.0	15.0	3.5



CAPACITY RANGE
0.5 - 15 ton

SPREAD RANGE
2.3 - 96.5 mm

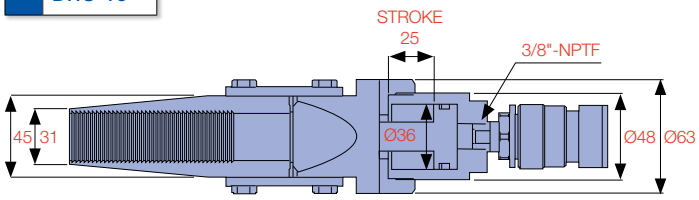
MAXIMUM OPERATING PRESSURE
700 bar

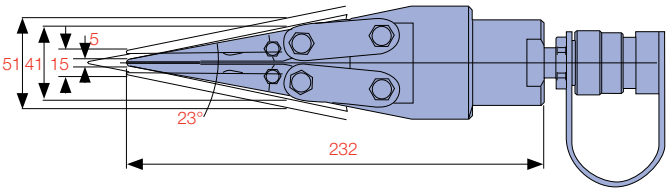
DHS-15 ADVANTAGES

- designed for rugged operating applications
- 15 ton spreading force
- 5 - 15 mm spreading capability
- serrated jaws for grip



DHS-15



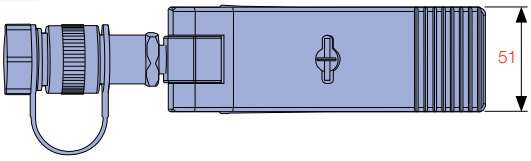


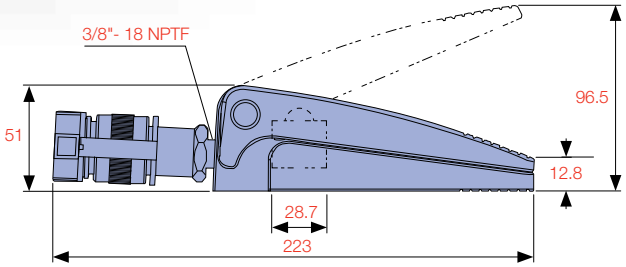
DHS-1 ADVANTAGES

- 1 ton spreading force
- 12.8 - 96.5 mm spreading capability
- general purpose spreader for many industrial applications



DHS-1





THE **DLW-SERIES** HYDRAULIC LIFTING WEDGE IS THE PERFECT CHOICE FOR HEAVY EQUIPMENT LIFTING WITH MINIMAL CLEARANCE.

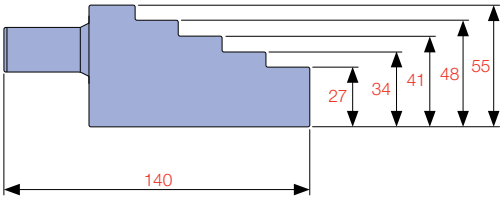
The innovative design makes the Lifting Wedges not only practical but also a perfect complement to high-tonnage skates. Both models sit flush on a flat surface.

The DLW-18S model boasts a self-contained hydraulic system, eliminating the need for hoses, couplers, or pumps.

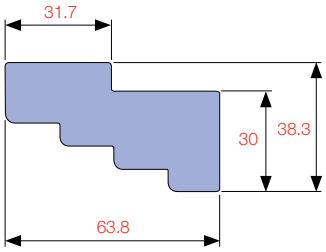
DLW-18



Supplied with a stepped & safety block



SAFETY BLOCK



STEPPED BLOCK

Model No.	Operation	Wedgehead (ton)	Safety Block	Stepped Block	Hex Key & Screw	Handle Rod	Carry Case	Weight (kg)
DLW-18	Remote	18	1	1	1	-	-	8.5
DLW-18S	Self-contained	18	1	1	1	1	1	12.0

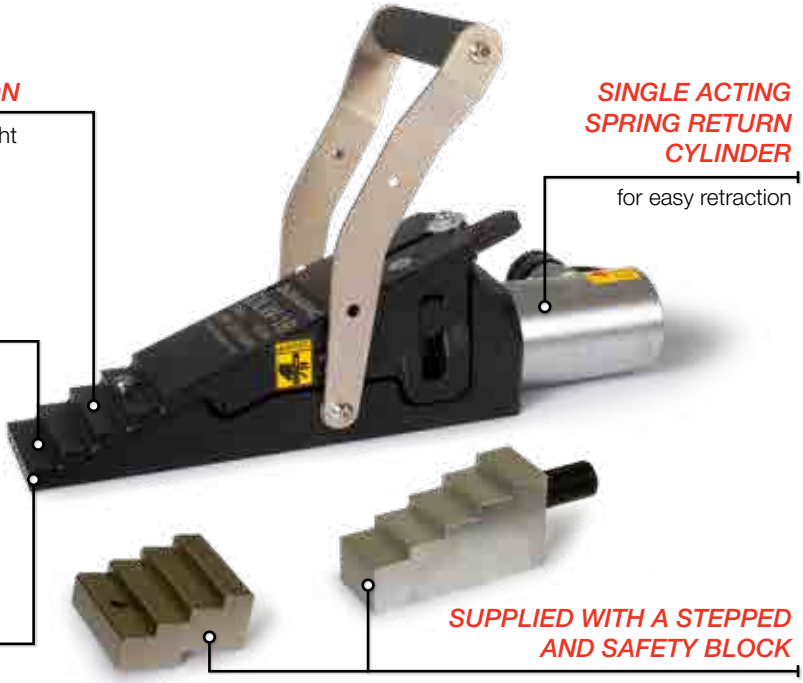
LINEAR ACTION
for smooth, straight movement

STEPS
offer 20 mm of vertical lift

ACCESS GAP
is only 9.5 mm

SINGLE ACTING SPRING RETURN CYLINDER
for easy retraction

SUPPLIED WITH A STEPPED AND SAFETY BLOCK





CAPACITY
18 ton

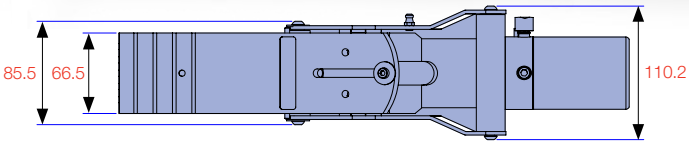
OPERATION
Remote & Self-contained

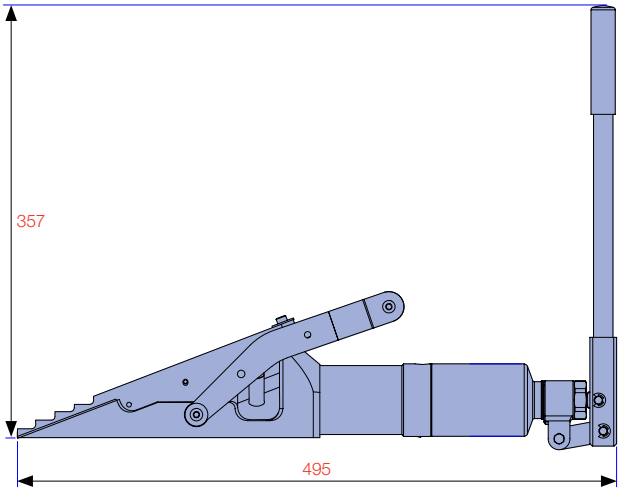
MAXIMUM OPERATING PRESSURE
700 bar

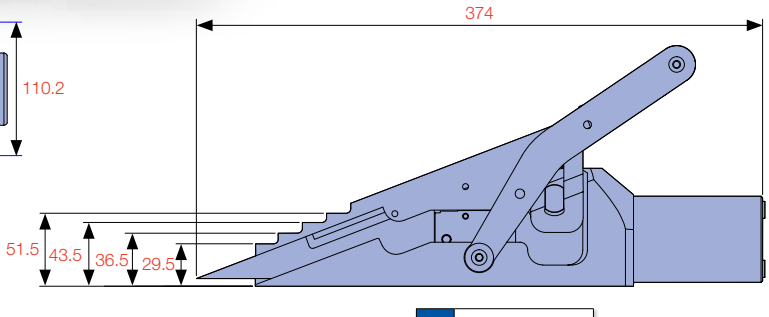
DLW-18 shown above but features apply to both models

DLW-18S

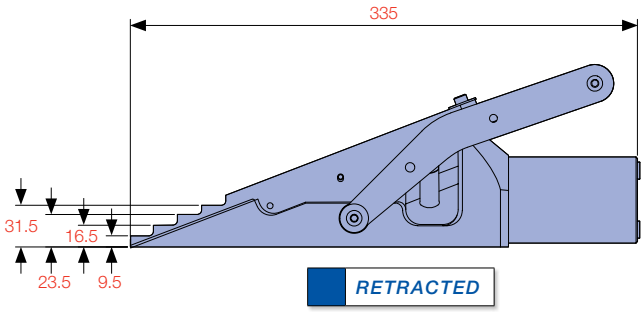








EXTENDED

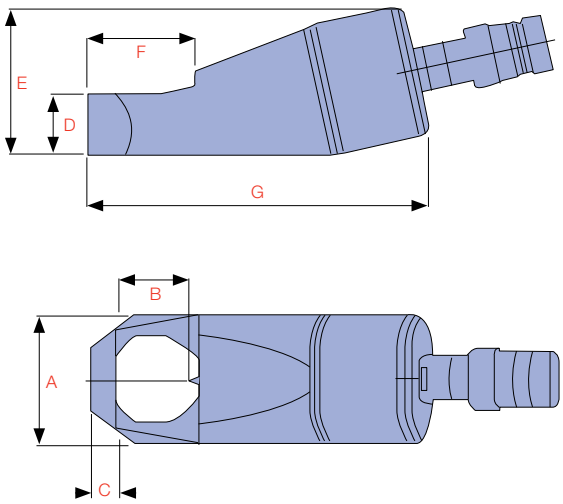


RETRACTED

DNS SERIES

DURAPAC

HYDRAULIC NUT SPLITTERS



THE **DNS-SERIES** OF NUT SPLITTERS CONSISTS OF SEVEN MODELS FOR HANDLING DIFFICULT TO REMOVE NUTS RANGING FROM 10 – 75 MM A/F CAPACITY.

They are a proven performer in the railway, pipelines, petro-chemical, heavy vehicles, mining, steel and industrial applications. DNS-Series Nut Splitters use a single acting hydraulic-advance/spring return cylinder offering between 5 - 90 ton of force. All models can be driven by a 700 bar lightweight single acting hand pump or power unit. The unique angled-head design gives clearance to the body when operating on a flat surface. They are a compact design capable of splitting nuts up to hardness HRc44. Each tool is supplied in a heavy duty moulded plastic storage case except DNS-6075 which comes with a wooden case.



Model No.	Bolt Range	Hex Nut Range (mm)	Capacity (ton)	Oil Capacity (cm^3)	Dimensions (mm)			Weight (kg)	Spare Blade Model Number
					Width	Length	Height		
DNS-1319	M6-M12	10-19	**5**	13	40	170	48	1.2	**ZAT1000**
DNS-1924	M12-M16	19-24	**10**	21	54	191	62	2.0	**ZAT1002**
DNS-2432	M16-M22	24-32	**15**	58	64	222	72	3.0	**ZAT1004**
DNS-3241	M22-M27	32-41	**20**	88	75	244	88	4.4	**ZAT1006**
DNS-4150	M27-M33	41-50	**35**	153	94	288	105	8.5	**ZAT1008**
DNS-5060	M33-M39	50-60	**50**	233	106	318	128	11.8	**ZAT1010**
DNS-6075	M39-M48	60-75	**90**	492	156	393	181	34.1	**ZAT1012**

DURAPAC 700 BAR
single acting hydraulic pumps can operate these nut splitters

ANGLED HEAD DESIGN
gives clearance to the body when operated on a flat surface



SEVEN MODELS
of splitters are available

SINGLE ACTING
hydraulic advance/spring return cylinder

SPLITTING BLADE
is easily replaceable



BOLT RANGE
M6 - M48

HEX NUT RANGE
10 - 75 mm

MAXIMUM NUT HARDNESS
HRc-44

MAXIMUM OPERATING PRESSURE
700 bar

Durapac offer a range of lightweight portable hand pump options to suit the DNS-Series nut splitters. Spare chisel and storage case included with each tool





Model No.	Dimensions (mm)						
	A	B	C	D	E	F	G
DNS-1319	39.8	20.9	7.0	19.0	49.7	29.0	120.0
DNS-1924	53.8	25.3	10.0	25.0	62.2	40.0	146.0
DNS-2432	64.0	33.6	13.0	30.0	76.5	51.8	181.0
DNS-3241	77.0	42.7	16.0	36.0	87.3	64.9	205.0
DNS-4150	94.0	53.8	21.1	44.7	108.0	76.0	244.0
DNS-5060	106.0	60.8	24.3	54.3	125.3	92.0	289.0
DNS-6075	156.2	80.4	27.0	75.0	184.0	110.0	365.0

DHP SERIES

DURAPAC

HIGH TONNAGE HYDRAULIC PULLERS

THE **DHP SERIES** REPRESENTS A FORMIDABLE ARSENAL OF HIGH TONNAGE PULLERS, AVAILABLE IN 50, 100, AND 150-TON CAPACITIES.

Designed with the intention of simplifying the removal of substantial components such as gears, pulleys, wheels, sleeves, and various press-fit parts, these pullers are engineered for efficiency and ease of operation, allowing a single operator to accomplish the task with precision.

Each puller is securely affixed to a swivel castor cart, offering exceptional manoeuvrability and flexibility during operation. This mobility ensures that the operator can effortlessly position the puller precisely where it is needed, even in confined spaces or complex work environments.

With an electric 2 speed power pump, this advanced pumping system allows for precise and consistent force to an application, essential for safely and efficiently extracting large and sometimes stubborn components.



DHP-100E

Model No.	Capacity (ton)	Reach Max. (mm)	Range of Spread		Stroke (mm)	Electric Pump Type	Weight (kg)
			Min. (mm)	Max. (mm)			
DHP-50E	50	780	200	1,250	330	0.45 kW 220 V - 50/60 Hz	400
DHP-100E	100	1,220	300	1,500	270	1.12 kW 220 V - 50/60 Hz	1,189
DHP-150E	150	1,175	300	1,650	330	2.24 kW 380 V - 50/60 Hz	1,223

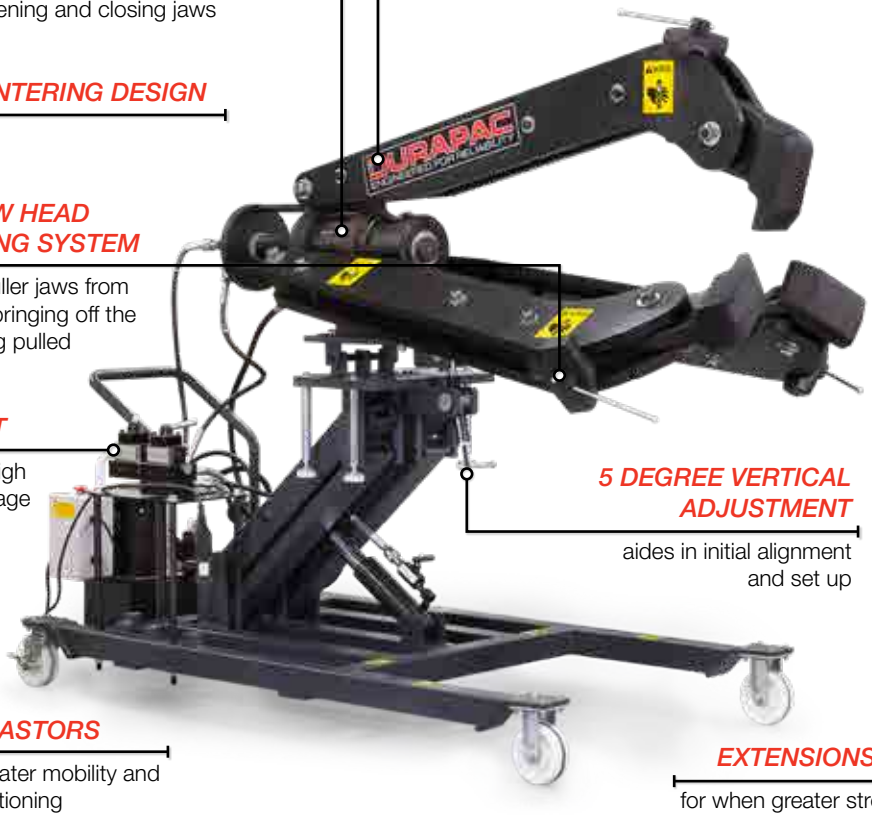
DOUBLE ACTING HYDRAULIC SYSTEMS
holding, opening and closing jaws

PULLER JAWS
can be converted into 2 or 3 way configurations

SELF-CENTERING DESIGN

EASY JAW HEAD ADJUSTING SYSTEM
prevents puller jaws from sliding or springing off the object being pulled

REMOTE PENDANT
to control high pressure stage



5 DEGREE VERTICAL ADJUSTMENT
aides in initial alignment and set up

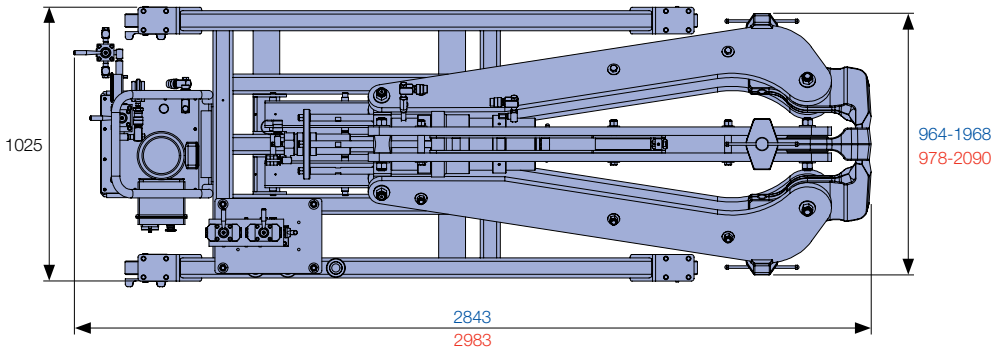
SWIVEL CASTORS
allow for greater mobility and ease of positioning

EXTENSIONS INCLUDED
for when greater stroke is required



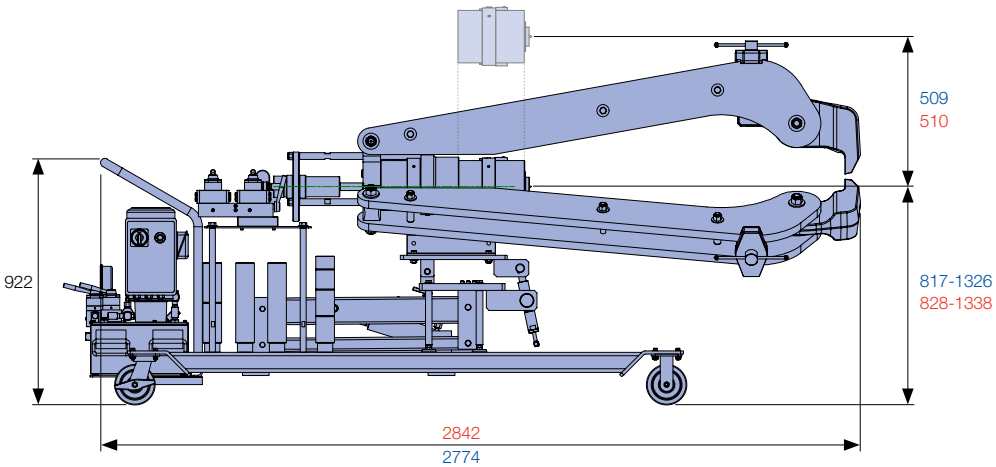
CAPACITY RANGE
50 - 150 ton

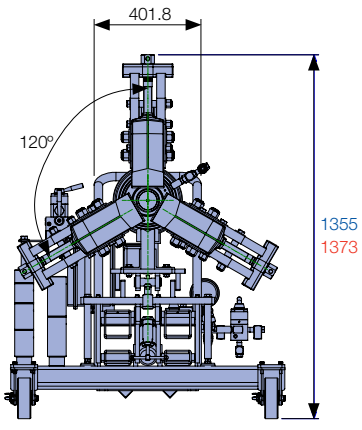
MAXIMUM OPERATING PRESSURE
700 bar



Measurement Legend (mm)

Both
DHP-100E
DHP-150E





DHP SERIES

DURAPAC

HIGH TONNAGE HYDRAULIC PULLERS



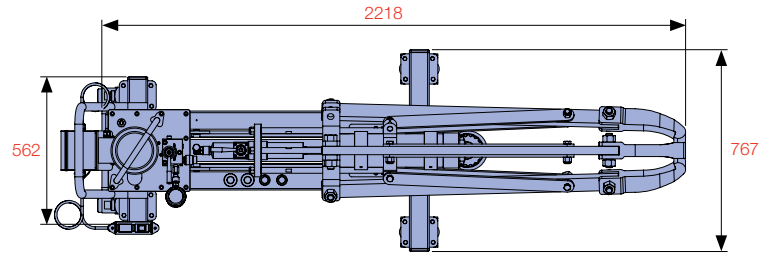
DHP-50E

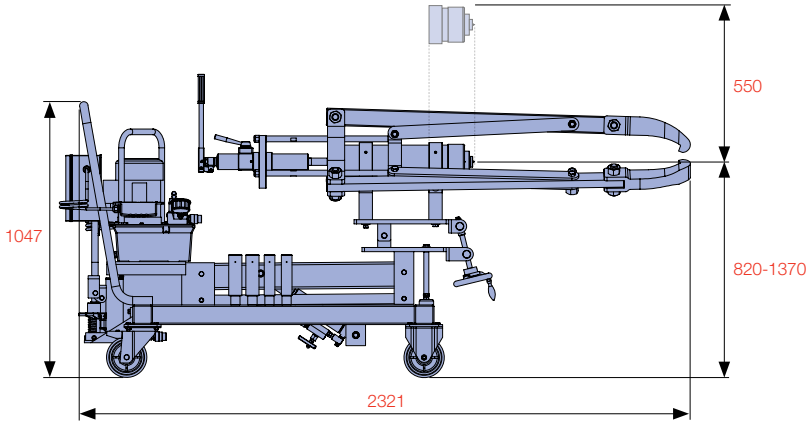


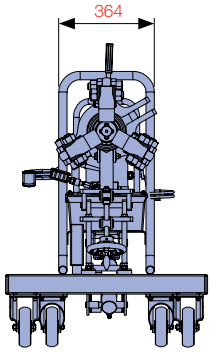
CAPACITY RANGE
50 - 150 ton

MAXIMUM OPERATING PRESSURE
700 bar

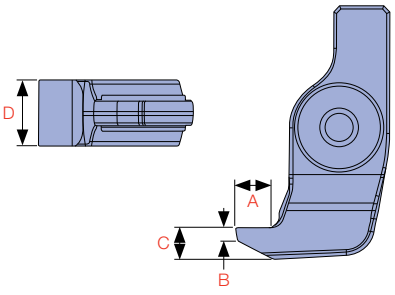
DHP-50E

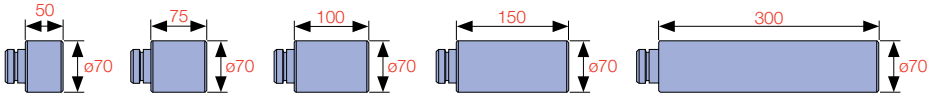




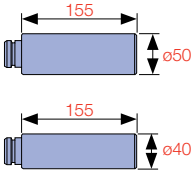


Extension & Jaw Tip			
A Jaw Tip Depth (mm)	B Jaw Tip Clearance Min. (mm)	C Jaw Tip Clearance Max. (mm)	D Jaw Tip Width (mm)
23	-	35	60
23	-	35	60
65	25	58	120
65	25	58	120





Model No.	Extension Rods Dia. (mm)	50 (mm)	75 (mm)	100 (mm)	150 (mm)	155 (mm)	300 (mm)
DHP-50E	40	-	-	-	-	2	-
	50	-	-	-	-	2	-
DHP-100E	70	1	1	1	2	-	2
DHP-150E	70	1	1	1	2	-	2



DRP SERIES

DURAPAC

RAIL BEARING HYDRAULIC PULLER

WITH THE **DRP-SERIES** RAIL BEARING REMOVER / INSTALLER YOU CAN EFFORTLESSLY AND EFFECTIVELY REPLACE OR INSTALL TAPERED ROLLER BEARINGS FOR RAILROAD AXLE JOURNALS.

Accompanied by accessory kits catering to remove and install all common Bearing Classes. This tool has been designed with portability in mind. It comes standard with a 2 Speed, 220 Volt single phase, double acting hydraulic pump with Adv-Hold-Retract functionality to provide precision and effortless control during each stage of the process.



STANDARD ACCESSORIES

Items supplied with DRP-100E as Standard Accessory:

Pulling Shoe
Installing Tube Cradles
Installing Tube
Guide Block
Installing Adaptor
Guide Tube Adaptor
Connector Pin

Model No.	Stroke (mm)	Pull Capacity (ton)	Push Capacity (ton)	Electric Power Unit	Weight* (kg)
DRP-100E	392	100	68	1.12 kW 220 V - 50/60 Hz	525

* Includes Electric Power Unit, Oil, Frame and Standard Accessories

PRESSURE GAUGE
to monitor applied pressure

220V ELECTRIC PUMP
with cable remote control

DOUBLE ACTING CYLINDER
allows for 100 ton pull and 68 ton install



VARIABLE HEIGHT
Hydraulic controlled range min. 387 mm – max. 1,047 mm

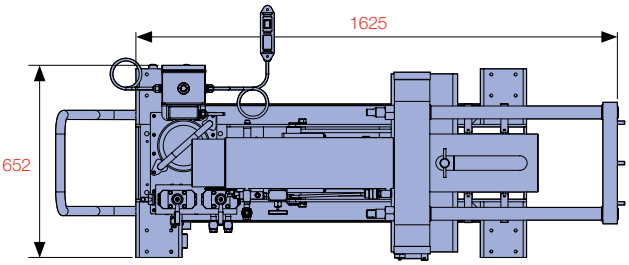
SWIVEL CASTOR TROLLEY
allows for greater mobility and ease of positioning

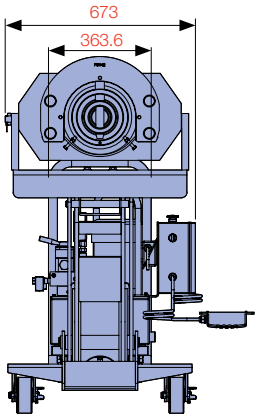


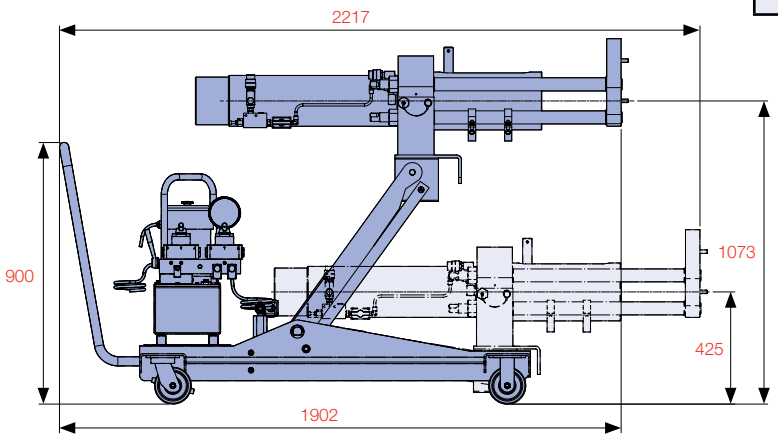
CAPACITY PULL / PUSH
100 / 68 ton

STROKE
392 mm

MAXIMUM OPERATION PRESSURE
700 bar







Typical Bearing Accessory Kit^



Kits (shown in table below) for all common bearing sizes

Bearing Accessory Kit No.	Bearing Type	Size	Pulling Shoe (PS)	PS Insert Adaptor	Guide Tube (GT)Adaptor	GT & CS Assembly	Cap Screw (CS)	Installing Tube (IT)	IT Adaptor Ring
DRP#120	TBU & SP Metric	120 mm	-	✓	-	✓	✓	-	✓
DRP#130	TBU & SP Metric	130 mm	-	✓	-	✓	✓	-	✓
DRP#140	TBU & SP Metric	140 mm	-	✓	-	✓	✓	-	✓
DRP#150	TBU & SP Metric	150 mm	-	✓	-	✓	✓	-	✓
DRPB4-1/4" x 8"	B Class	4-1/4" x 8"	-	✓	-	✓	✓	-	✓
DRPC5" x 9"	C Class	5" x 9"	-	✓	-	✓	✓	-	✓
DRPD5-1/2" x 10"	D Class	5-1/2" x 10"	-	✓	-	✓	✓	-	✓
DRPE6" x 11"	E Class	6" x 11"	-	✓	-	✓	✓	-	✓
DRPEE5-1/2"	EE Class	5-1/2"	-	✓	-	✓	✓	-	✓
DRPEE6"	EE Class	6"	-	✓	-	✓	✓	-	✓
DRPF6-1/2" x 12"	F Class	6-1/2" x 12"	-	✓	-	✓	✓	-	✓
DRPG6-1/2"	G Class	6-1/2"	✓	✓	-	✓	✓	✓	✓
DRPG7" x 12"	G Class	7" x 12"	✓	✓	-	✓	✓	✓	✓
DRPGG6-1/2"	GG Class	6-1/2"	✓	✓	-	✓	✓	✓	✓

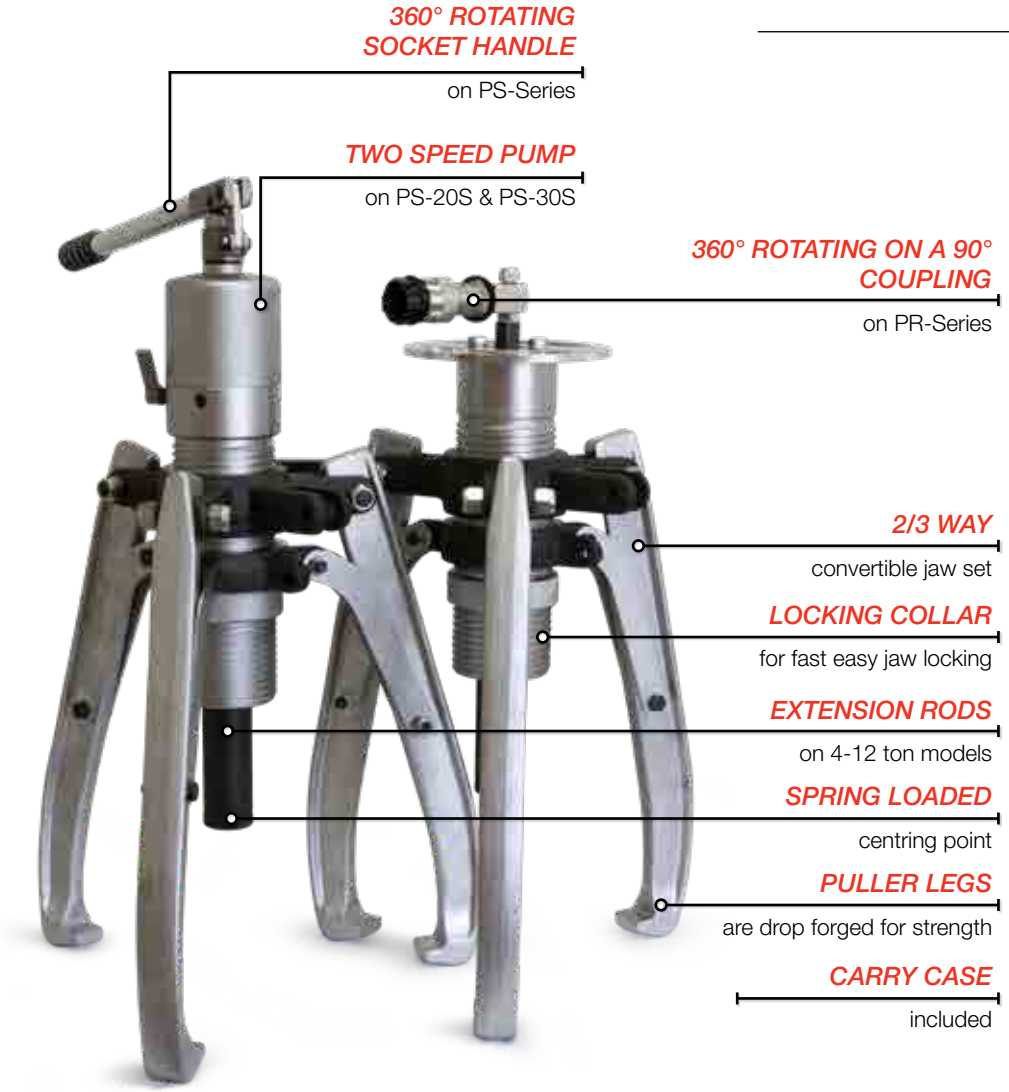
- Item needed for kit accessory but not supplied in kit. Item is supplied with DRP-100E as a Standard Accessory.
✓Supplied with Bearing Accessory Kit
^Class G & GG Bearing Type Kits also include Pulling Shoe & Installing Tube

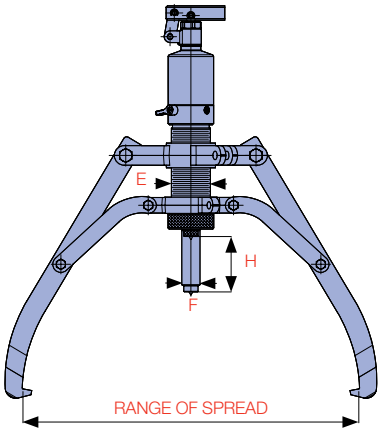
DURAPAC

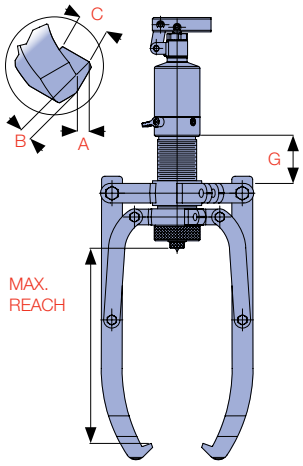
2/3 WAY HYDRAULIC PULLERS

THE **PR & PS-SERIES** PULLERS ARE A CONVERTIBLE 2 OR 3 WAY UNIT FOR A ONE PERSON OPERATION.

Available in remote and self-contained versions from 4-30 ton capacity. The PS-Series 3 in 1 puller is a double acting unit designed for pushing, outer pulling and inner pulling.







Model No.	Puller Type	Capacity (ton)	Max. Reach (mm)	Range of Spread (mm)	Extension Rods	Jaw Tip (mm)			Hydraulic Cylinder (mm)			Stroke (mm)	Weight (kg)
					58 mm - Qty	A	B	C	E	F	G	H	
PR-04	Remote	4	190	67.5 - 325	2	13	10	22	42	22	40	60	6
PS-04S	Self-contained		190	67.5 - 325	2	13	10	22	42	22	40	60	8
PR-08	Remote	8	280	107.0 - 450	3	13	13	27.5	50	25	70	85	9
PS-08S	Self-contained		280	107.0 - 450	3	13	13	27.5	50	25	70	85	12
PR-12	Remote	12	305	94.5 - 485	4	15	16.5	29	60	28	70	85	12
PS-12S	Self-contained		305	94.5 - 485	4	15	16.5	29	60	28	70	85	15
PR-20	Remote	20	365	128.4 - 570	-	20	27	33	80	40	62	111	24
PS-20S	Self-contained		365	128.4 - 570	-	20	27	33	80	40	62	111	26
PR-30	Remote	30	465	128.5 - 680	-	20	27	38	98	50	85	111	34
PS-30S	Self-contained		465	128.5 - 680	-	20	27	38	98	50	85	111	36

SELF-CONTAINED HAND PUMP
rotates 360°

DOUBLE ACTING CYLINDER
allows for pushing/outer pulling and inner pulling

VARIABLE HEIGHT
extension legs

3 JAW STRUCTURE
provides even force

STEEL CARRY CASE
included

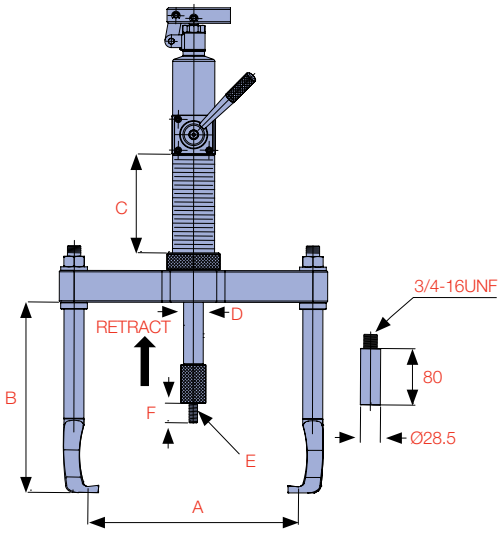
INTERNAL PULLER
allows removal of oil seals, bushings and bearings

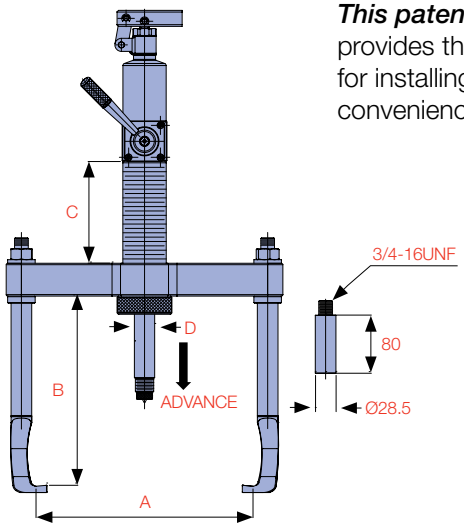


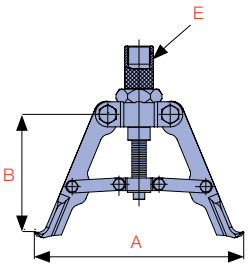


CAPACITY RANGE
4 - 30 ton

MAXIMUM OPERATING PRESSURE
700 bar







This patented double acting design provides the operator with a 3 in 1 tool for installing, outer and inner pulling with convenience and safety.



FOR OUTER PULLING



FOR OUTER/INNER INSTALLING



INNER PULLING ATTACHMENT

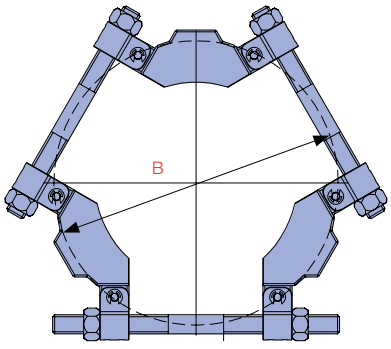
Model No.	Puller Type	Capacity (ton)	A (mm)	B (mm)	C (mm)	D (mm)	E	F (mm)	Weight (kg)
PS-1208D	Installing	8	44 - 280	270 + 80	140	28	M12 x 1.75	30	19.5
	Outer Pulling	12	85 - 300	260 + 80	140	28	-	-	
	Inner Pulling	8	110 - 210	130 - 150	-	-	1"-12UNF	-	

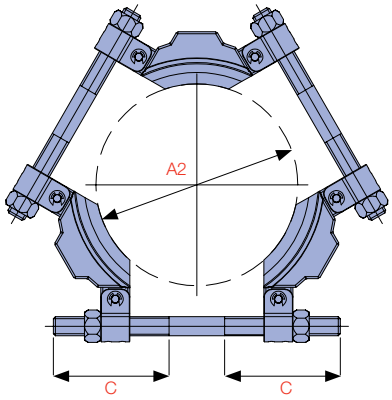
THE **ET-SERIES** TRI-SECTIONAL PLATES ARE SPECIALLY DESIGNED FOR USE WITH THE PR & PS-SERIES PULLERS.

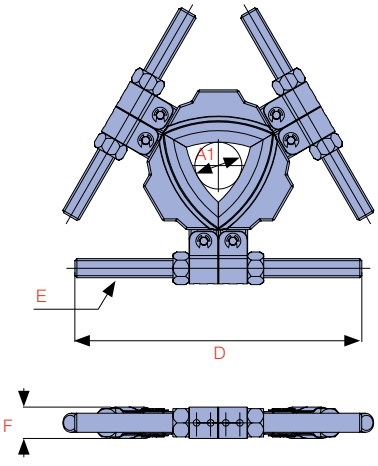
The unique and patented swing design creates the maximum spread and provides the most even force. The plates grip behind the inner and outer rings of the bearing together which prevents the pulling force from being transmitted through the rolling parts, minimising the risk of bearing damage.



Swivel point allows widespread







Model No.	Rated Capacity (ton)	Shaft Diameter		B Max. Spread (mm)	C (mm)	D (mm)	E	F (mm)	Compatible PR/PS Puller*	Weight (kg)
		A1 (Min.)	A2 (Max.)							
ET3-210	8	50	210	280	117	285	7/8"-14UNF	31	PR-08, PS-08S, PS-1208D	5.5
ET3-340	20	90	340	460	175	460	1 1/4"-12UNF	47	PR-20, PS-20S	18.0
ET3-495	30	140	495	660	235	660	1 3/4"-12UNF	63	PR-30, PS-30S	45.0

* PR/PS Puller Cylinder not included in Set

THE **BS-SERIES** CROSS BEARING ATTACHMENTS PROVIDE A KNIFE-LIKE EDGE TO GET BEHIND PARTS FOR ADDED VERSATILITY AND SECURE REMOVAL OF PARTS.

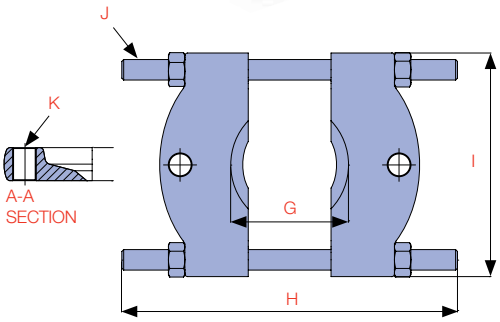
Great for parts that do not offer adequate grip with jaw type pullers. All bearing/pulley attachments include the bearing attachment, a pair of sized thread-in legs and a sliding cross head. Simply add the hydraulic cylinder from your PR/PS-Series puller set.

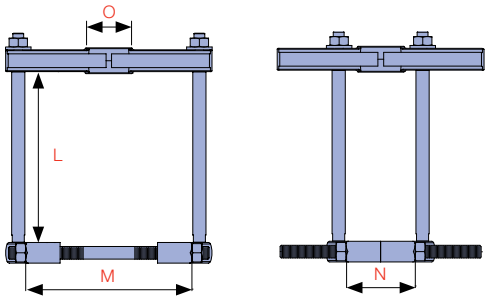


CAPACITY RANGE
4 - 30 ton
SPREAD RANGE
5 - 495 mm









BEARING/PULLER ATTACHMENT SET*

Model No.	Capacity (ton)	Reach L (mm)	Spread M (mm)	Spread N (mm)	Spread O (mm)	Inc. Bearing Attachment	Compatible PR/PS Puller*	Weight (kg)
BS-04250	**4**	250	110	55	42	BS-12-70	PR-04, PS-04S	6.5
BS-08270	**8**	270	220	95	50	BS-28-150	PR-08, PS-08S	9.5
BS-12380	**12**	380	290	225	60	BS-20-200	PR-12, PS-12S, PS-1208D	13.0

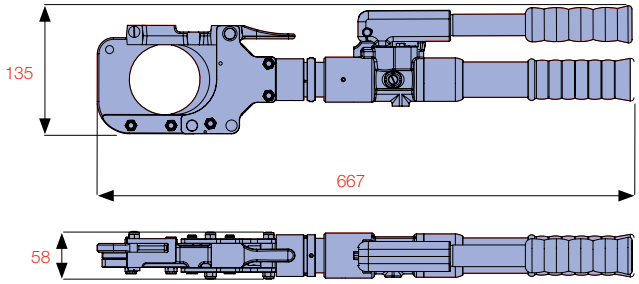
* PR/PS Puller Cylinder not included in Set

CROSS BEARING ATTACHMENTS

Model No.	G (Min./Max.)	H (mm)	I (mm)	J	K	Weight (kg)
BS-5-60	**5 - 60**	125	70	3/8”-24UNF	3/8”-16UNC	0.6
BS-15-60	**15 - 60**	135	127	1/2”-20UNF	3/8”-16UNC	1.4
BS-12-70	**12 - 70**	163	156	5/8”-18UNF	1/2”-12UNC	2.5
BS-28-150	**28 - 150**	260	204	3/4”-16UNF	5/8”-11UNC	5.5
BS-20-200	**20 - 200**	350	288	1”-14UN	3/4”-10UNC	8.5

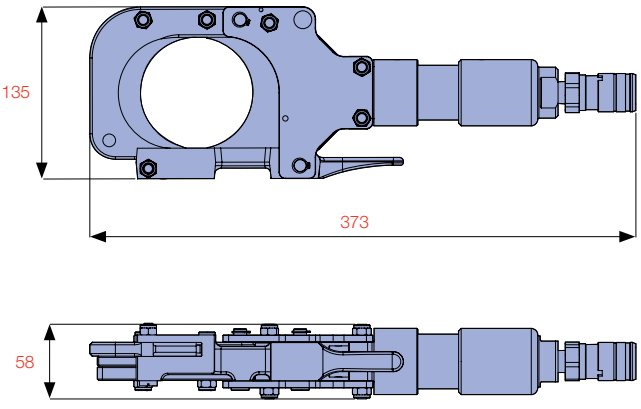


HC-85S





HC-85R

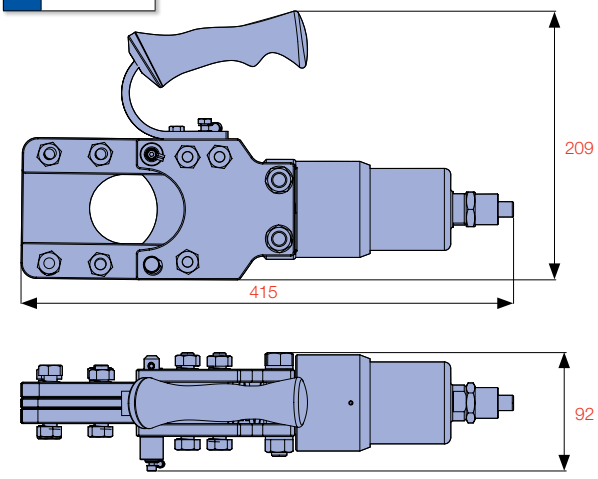


THE **HC-SERIES** OF REMOTE AND SELF-CONTAINED HYDRAULIC CUTTERS CONSISTS OF SIX MODELS WITH A CUTTING CAPACITY UP TO 120 MM DIAMETER.

They cut with ease through cable, round bar, wire rope, wire strand and more. They are a proven performer in the electrical, railway, mining, manufacturing and construction industries. The HC Series Cutters feature superior guillotine-type cutting, flip-top latch for easy insertion of cutting material and blades that are easily replaceable. The two larger self-contained models incorporate a two stage pump. All models are spring return and the self-contained models have a 180° rotating head. The remote models can be operated by a 700 bar single acting hydraulic pump or power unit. They are compact, lightweight, easy to use and supplied in a heavy duty canvas carry bag.



HC-55R

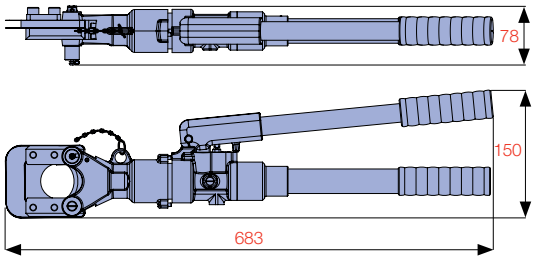


Model No.	Operation	Wire Rope (mm)			Soft Steel Bar (mm)	Reinforcing Rod (mm)	Soft Copper Bar (mm)	Soft Aluminium Bar (mm)	ACSR (mm)	Underground Cable (mm)
		6x7	6x12	6x19						
HC-20S	Self-contained	16	20	20	16	13	20	16	21	18
HC-24S*	Self-contained	24	24	24	16	–	23	24	24	–
HC-45S	Self-contained	40	40	40	20	–	32	40	40	–
HC-55R	Remote	25	30	30	22	19	24	18	50	24
HC-85R	Remote	–	–	–	–	–	–	–	–	–
HC-85S	Self-contained	–	–	–	–	–	–	–	–	–
HC-120R	Remote	–	–	–	–	–	–	–	–	–

* Tensile strength (daN/mm² ≤ 180)
Cutting of piano wire is not recommended

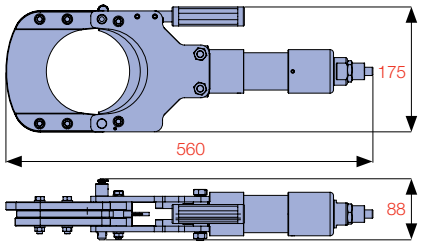


HC-45S





HC-120R

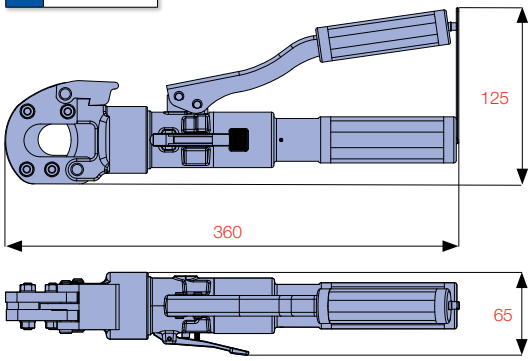




CUTTING CAPACITY UP TO
120 mm diam.
OPERATION
Remote & Self-contained
MAXIMUM OPERATING PRESSURE
700 bar

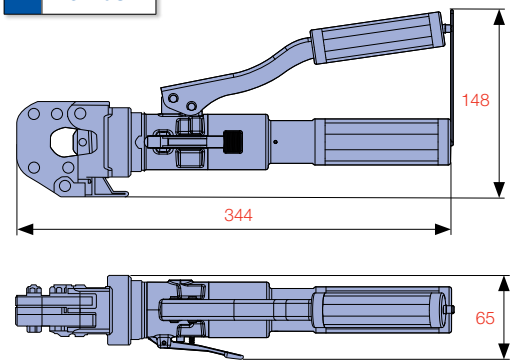


HC-24S





HC-20S



Cu Strands (mm)	Al Strands (mm)	Guy Wire (mm)		CCP Cable (mm)	Max. Pressure (bar)	Oil Required (cc)	Max. Output (kN)	Cylinder Stroke (mm)	Length (mm)	Weight (kg)
		1x7	1x19							
20	20	15	16	–	550	22	52.0	22.0	344	2.5
24	24	–	–	–	700	25	66.3	28.0	360	2.6
40	40	–	–	–	700	70	95.5	50.0	683	6.7
50	50	15	20	–	700	107	146.3	55.6	415	8.4
85	85	–	–	85	700	73	55.4	90.8	373	5.1
85	85	–	–	85	700	163	55.4	90.8	667	8.4
120	120	–	–	120	700	193	104.7	129.6	560	9.8



THE **CRK-SERIES** MAINTENANCE AND REPAIR KITS ARE AN INDISPENSABLE HYDRAULICALLY POWERED TOOL SET.

They can be used for pressing, spreading, lifting, straightening and clamping in workshops and collision repair centres. Most components are threaded for durability and the extension tubes feature a heavy wall for increased resistance to bending and deformation. All kits are supplied with industry standard high flow hydraulic couplings and dust caps.

PART DESCRIPTION	Maintenance & Repair Kit Model		
	CRK-10	CRK-10D	CRK-20D
	10 ton	10 ton	20 ton
 2-SPEED 700 BAR PUMP	P-260	P-260	P-270
 1.5 M HOSE & COUPLER	✓	✓	✓
 10 TON CYLINDER 150 MM STROKE	RC-106T	RC-106T	
 20 TON CYLINDER 127 MM STROKE			RC-205T
 1/2 TON SPREADER	DHS-05	DHS-05	
 5 TON 154 MM PULL CYLINDER		RP-56	
 GAUGE ADAPTOR	FGA-1	FGA-1	FGA-1
 LIQUID FILLED FORCE GAUGE	ZAW1403	ZAW1403	ZAW1403

NOTE - SEE TABLE ON PAGE 170 FOR ADDITIONAL COMPONENTS

APPLICATION EXAMPLES

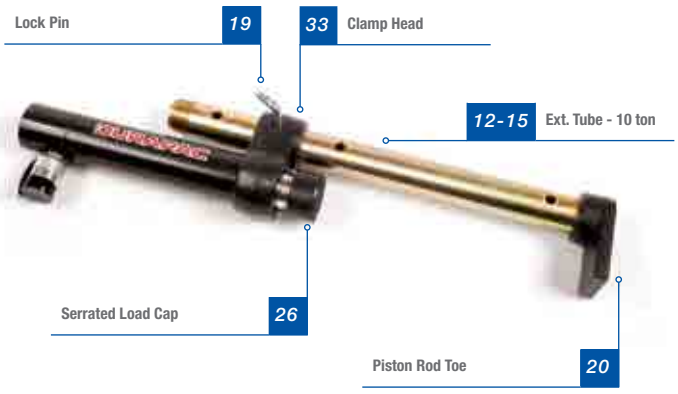
WARNING

When cylinders are used with maintenance set attachments or components, the maximum system pressure must generally be limited to half the rated pressure (350 bar)



CAPACITY
10 & 20 ton
MAXIMUM OPERATING PRESSURE
700 bar

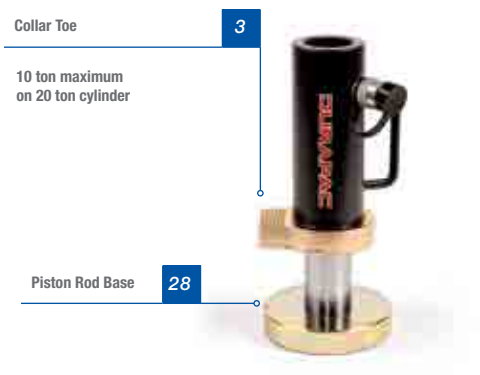












	Description	Standard CRK-10	Deluxe CRK-10D	Deluxe CRK-20D
1	Adj. Body Spoon		ZAL1002	
2	3-1/4" Rubber Flex Head	ZAL1003	ZAL1003	
3	Collar Toe			ZAL1039
4	Pull Ring x 2		ZAL1040	
5	Pull Clamp x 2		ZAL1063	
6	Box Clamp x 2		ZAL1064	
7	Female Connector x 3			ZAL1068
8	127 mm Ext. Tube			ZAL1069
9	254 mm Ext. Tube			ZAL1070
10	508 mm Ext. Tube			ZAL1071
11	699 mm Ext. Tube			ZAL1072
12	127 mm Ext. Tube	ZAL1076	ZAL1076	
13	254 mm Ext. Tube	ZAL1077	ZAL1077	
14	508 mm Ext. Tube	ZAL1078	ZAL1078	
15	635 mm Ext. Tube	ZAL1079	ZAL1079	
16	Male Connector x 3			ZAL1073
17	Male Connector x 2	ZAL1074	ZAL1074	
18	Female Connector x 2	ZAL1075	ZAL1075	
19	Lock Pin x 1 (x 2 for CRK10D)	ZAL1101	ZAL1101	ZAL1101
20	Piston Rod Toe	ZAL1177	ZAL1177	
21	Spreader Toe		ZAL1178	
22	90° V Base	ZAL1179	ZAL1179	
23	Wedge Head	ZAL1180	ZAL1180	
24	Wedge Head			ZAL1100
25	Flat Base	ZAL1181	ZAL1181	
26	Serrated Load Cap	ZAL1182	ZAL1182	
27	Serrated Load Cap			ZAL1097
28	Piston Rod Base x 2			ZAL1098
29	Vee Head			ZAL1099
30	Offset Pull Toe x 2		ZAL1183	
31	Clamp End Toe		ZAL1184	
32	Collar Toe	ZAL1186	ZAL1186	
33	Clamp Head		ZAL1189	
34	Chain Pull Plate		ZAL1190	
35	3/8" x 5' Chain & Hook x 2		ZAL1386	
36	3-Shelf Service Cart		ZAL1009	ZAL1009
37	Metal Box	ZAL1405		
	Weight	**39.5 kg**	**81.5 kg**	**76.5 kg**

1 ZAL1002
Adj. Body Spoon



6 ZAL1064
Box Clamp



2 ZAL1003
3-1/4" Rubber Flex Head



7 ZAL1068
Female Connector - 20 ton



3 ZAL1039
Collar Toe



8-11 ZAL1069/70/71/72
127-699 mm Ext. Tube - 20 ton



4 ZAL1040
Pull Ring



12-15 ZAL1076/77/78/79
127-635 mm Ext. Tube - 10 ton



5 ZAL1063
Pull Clamp



16 ZAL1073
Male Connector - 20 ton



WARNING

When cylinders are used with maintenance set attachments or components, the maximum system pressure must generally be limited to half the rated pressure (350 bar)

17 ZAL1074
Male Connector



18 ZAL1075
Female Connector



19 ZAL1101
Lock Pin



20 ZAL1177
Piston Rod Toe



21 ZAL1178
Spreader Toe



22 ZAL1179
90° V Base



23 ZAL1180
Wedge Head



24 ZAL1100
Wedge Head - 20 ton



25 ZAL1181
Flat Base



26 ZAL1182
Serrated Load Cap



27 ZAL1097
Serrated Load Cap - 20 ton



28 ZAL1098
Piston Rod Base



29 ZAL1099
Vee Head



30 ZAL1183
Offset Pull Toe



31 ZAL1184
Clamp End Toe



32 ZAL1186
Collar Toe



33 ZAL1189
Clamp Head



34 ZAL1190
Chain Pull Plate



35 ZAL1386
3/8" x 5' mm Chain and Hook



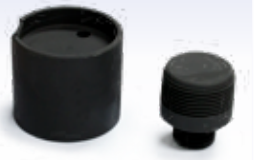
36 ZAL1009
3-Shelf Service Cart



37 ZAL1405
Metal Box



ZAM1245 & ZAM1246*
Cylinder Adaptors



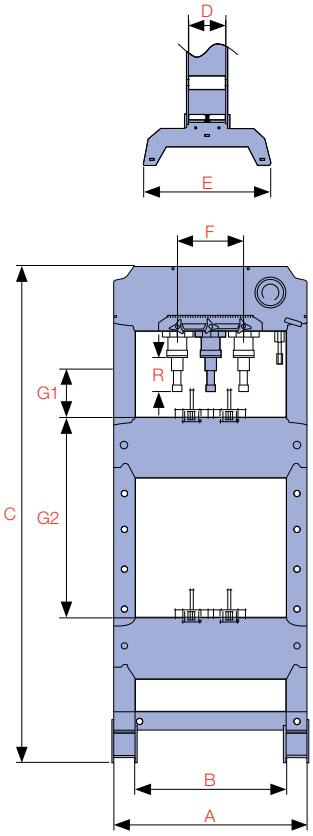
*NOT INCLUDED IN KITS

THE **HP-SERIES** PRESSES ARE IDEAL FOR WORKSHOP PRESSING JOBS SUCH AS THE INSTALLATION OR REMOVAL OF BEARINGS AND GEARS OR OTHER PRESS FIT PARTS.

All models feature a manual pump, moveable work head and force gauge. 30 – 100 ton models also include V-blocks and an air/hydraulic pump with foot switch actuation.



HP-30A



HP-100A

Model Number	Capacity (ton)	Hyd. Stroke (mm)	Screw Adjust (mm)	Pump Type	Pressure Rating (bar)	Air Pressure Range (bar)	Net Weight (kg)
HP-10	**10**	152	N/A	Manual	700	N/A	53
HP-30A	**30**	145	75	Air/Hyd. and Manual	N/A	9-12	244
HP-50A	**50**	145	75	Air/Hyd. and Manual	N/A	9-12	283
HP-100A	**100**	300	N/A	Air/Hyd. and Manual	N/A	9-12	719

ROLLING HEAD
to allow for side to side movement

FORCE GAUGE
in metric ton and bar

MANUAL PUMP
for precision adjustment

BED HEIGHT ADJUSTMENT
using a wire rope winch allows for vertical adjustment of bed

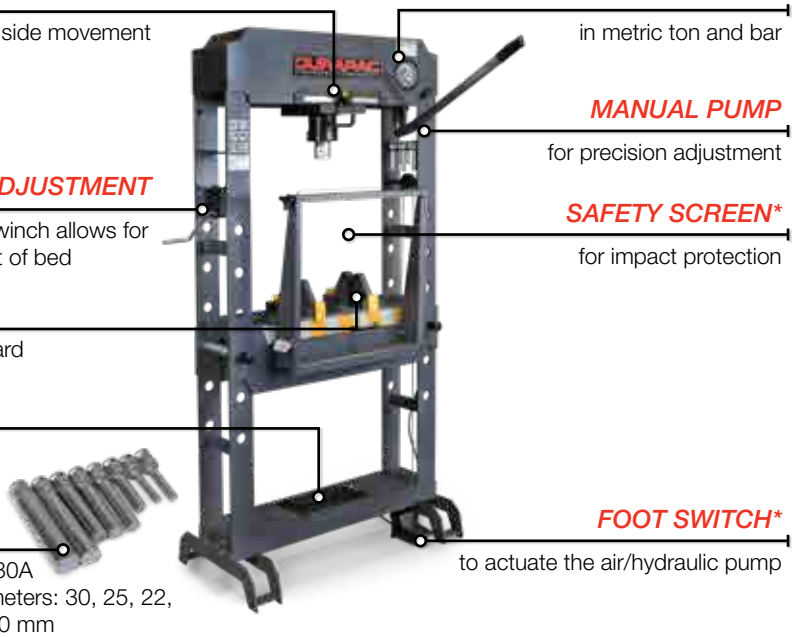
SAFETY SCREEN*
for impact protection

V BLOCKS*
included as standard

TOOL TRAY
for storage

PIN SET
supplied with HP-30A and HP-50A. Diameters: 30, 25, 22, 20, 18, 16, 12 & 10 mm

FOOT SWITCH*
to actuate the air/hydraulic pump



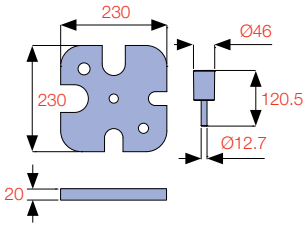
HP-50A



APACITY RANGE
10 - 100 ton

OPERATION
Air/Hydraulic & Manual

HP-10 standard accessories

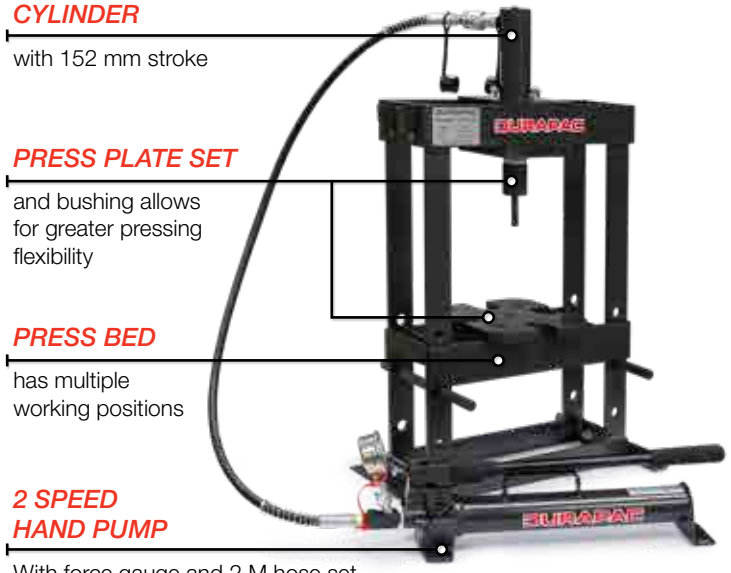


10 TON HYDRAULIC CYLINDER
with 152 mm stroke

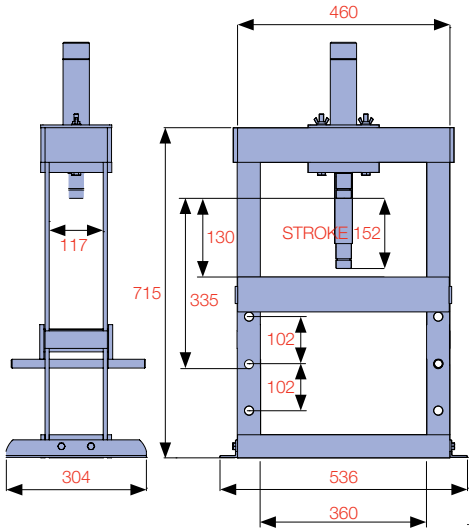
PRESS PLATE SET
and bushing allows for greater pressing flexibility

PRESS BED
has multiple working positions

2 SPEED HAND PUMP
With force gauge and 2 M hose set



HP-10



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G1 (mm)	G2 (mm)	R Total Travel (mm)
REFER TO HP-10 DRAWING ABOVE								152
930	750	1,900	200	535	280	130	830	220
930	750	1,900	200	535	280	80	780	220
1,255	850	1,938	280	750	360	185	885	300

* Standard on all models except HP-10

HDP SERIES

DURAPAC

HEAVY DUTY H-FRAME PRESSES

THE **HDP-SERIES** HEAVY DUTY H-FRAME PRESSES ARE IDEAL IN THE WORKSHOP FOR PRESSING, INSTALLATION/REMOVAL OF BEARINGS, REPAIR OF ELECTRIC MOTORS, FORMING AND BENDING APPLICATIONS.

Standard models (detailed in table below) come complete with a heavy duty H-Frame, electric/hydraulic power unit, cylinder, pressure gauge and electric bed winch. Presses can be customised with different power units such as pneumatically driven or higher flow. Consult Durapac for details.



HDP-100

Model Number	Capacity		Stroke (mm)	Pressure Rating (bar)	Power Unit Model No.	Used with Cyl.	Cylinder Model No.	Approx. Weight (kg)
	ton	kN						
HDP-50	**50**	498	334	700	SPES4505NCL†	S/A*	RG-5013	665
HDP-100	**100**	933	333	700	PES3024††	D/A	RD-10013	1,180
HDP-150	**150**	1,386	333	700	PES3024††	D/A	RD-15013	2,000
HDP-200	**200**	1,995	330	700	PES3024††	D/A	RD-20013	2,280

* Double Acting options also available for HDP-50 – consult Durapac for details

† Standard motor is 230V, should 115V be required; add suffix "-115V" to the model number, eg. "HDP-50-115V"

†† Standard motor is 400V / 3 Ph. / 50 Hz, should 440 - 480 Volt / 3 Ph. / 60 Hz be required; add suffix "-440V" to the model number, eg. "HDP-150-440V"

HEAVY DUTY H-FRAME
welded construction will accept full off-centre load

ROLLING HEAD
for off-centre pressing applications

ELECTRIC BED WINCH
for effortless raising and lowering of the press bed

REMOTE PENDANT CONTROL
with 4 M lead for all models, except HDP-50, this comes with 2.5 M lead

ELECTRIC/HYDRAULIC POWER UNIT
included as standard. Presses can be customised with different power units such as pneumatically driven or higher flow.



HDP-50

DOUBLE ACTING CYLINDER
included as standard on all models except HDP-50. D/A option is also available for HDP-50

HEAVY DUTY PRESSING V BLOCKS
included as standard

MAXIMUM DAYLIGHT
for larger jobs & easy loading

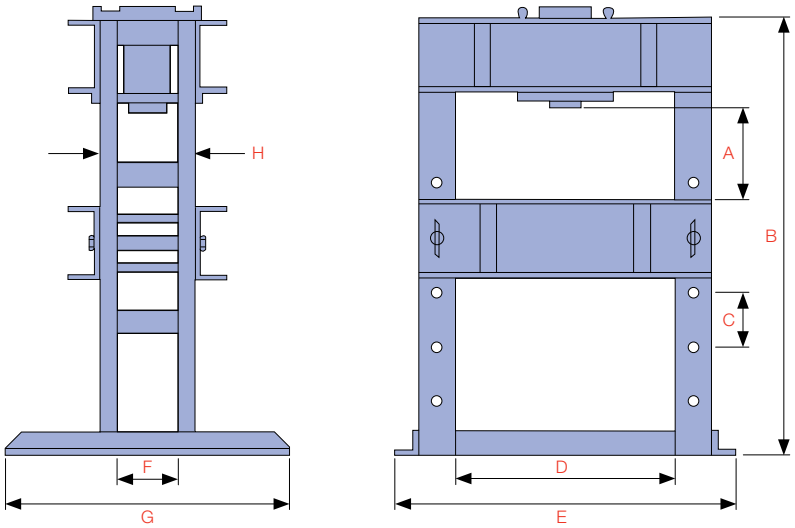
HYDRAULIC PRESSURE GAUGE
included for all models, allows the operator to control maximum loads



APACITY RANGE
50 - 200 ton

OPERATION
Electric/Hydraulic

MAXIMUM OPERATING PRESSURE
700 bar



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
300 - 1,100	2,000	200	1,000	1,350	1,000	200	260
300 - 1,100	2,000	200	1,200	1,650	1,000	200	275
300 - 1,100	2,400	200	1,200	1,750	1,000	225	295
300 - 1,100	2,400	200	1,200	1,650	1,000	225	330

HRP SERIES

DURAPAC

HEAVY DUTY ROLL FRAME PRESSES

THE **HRP-SERIES** ROLL FRAME PRESSES ARE IDEAL FOR WORKSHOP PRESSING JOBS SUCH AS INSTALLATION OR REMOVAL OF BEARINGS AND GEARS OR OTHER PRESS FIT PARTS.

The HRP Series is designed to allow the rolling frame to roll across the press bed for easy loading of large bulky items. The frame is welded for maximum strength and durability. All models come complete with a heavy duty roll Frame, electric/ hydraulic power unit, D/A cylinder, pressure gauge and electric bed winch.



HRP-200 with Optional Safety Frame

Model Number	Capacity		Hyd. Stroke (mm)	Pressure Rating (bar)	Power Unit Model No. †	Cylinder Model No.	Approx. Weight (kg)
	ton	kN					
HRP-50	**50**	498	334	700	PES3024	RD-5013	1,150
HRP-100	**100**	933	333	700	PES3024	RD-10013	2,180
HRP-150	**150**	1,386	333	700	PES3024	RD-15013	3,700
HRP-200	**200**	1,995	330	700	PES3024	RD-20013	4,000

† PES3024 3 Phase Power Unit can be either 3.0 kW, 400 Volt, 50 Hz OR 3.6 kW, 440-480 Volt, 60 Hz

ROLLING FRAME
allows for convenient loading of large and bulky items

ROLLING HEAD
for off-centre pressing applications

ELECTRIC POWER UNIT
3 phase power

REMOTE
with 4 M lead



FRAME LOCK
rolling frame is locked by a hydraulic hand pump and cylinders

SAFETY FRAME*
with polycarbonate shielding

DOUBLE ACTING CYLINDER
with 13" stroke

V BLOCKS
included as standard

STATIONARY BED
for stability



CAPACITY RANGE
50 - 200 ton

OPERATION
Electric/Hydraulic

MAXIMUM OPERATING PRESSURE
700 bar

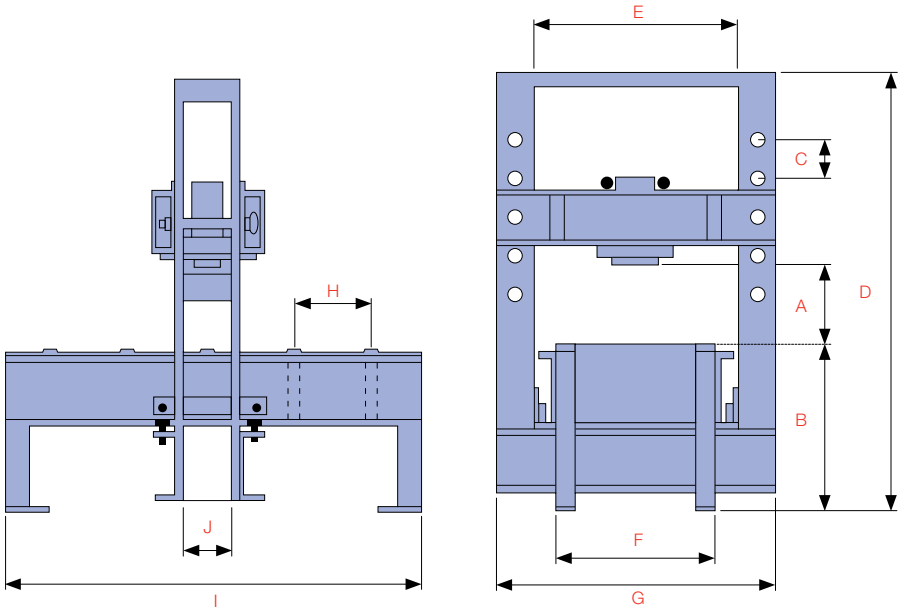
HRP-200



ELECTRIC BRAKE WINCH
easily controls bolster adjustment

ROLLING FRAME HAND PUMP
to lock the rolling frame in position

The optional 'general purpose' shielding consisting of a Steel Frame with Polycarbonate Clear Sheets may be used in many different applications



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)
300 - 1,300	800	200	2,720	1,000	800	1,200	340	2,000	200
300 - 1,300	800	200	2,720	1,000	800	1,300	340	2,000	200
300 - 1,300	800	200	2,900	1,025	800	1,400	340	2,000	225
300 - 1,300	800	200	2,900	1,025	800	1,300	340	2,000	220

* Optional attachment

KPL SERIES

DURAPAC

KEVLAR® POWER LIFT AIR BAGS

THE **KPL-SERIES** HIGH PRESSURE AIR BAGS FEATURE KEVLAR® CORD REINFORCING. THE PATENTED CONSTRUCTION UTILISES STATE-OF-THE-ART DESIGN FOR LONG LIFE AND EASE OF USE.

Metal parts are solid brass. The bags are thin, light and simple to use. Two bags can be stacked safely on top of each other due to the special dimpled surface. Eleven models of air bags are available with lifting capacities ranging from 800 to 70,400 kg.



Model No.	Max. Lifting Capacity (kg)	Max. Lifting Height (mm)	Thickness (mm)	Insertion Height (mm)	Dimensions (mm x mm)	Max. Air Requirement (L)	Max. Inflation Pressure (bar)	Min. Burst Pressure (bar)	Weight (kg)
KPL 1	800	80	25	26	150 x 150	5	8	32	0.55
KPL 3	2,700	130	25	26	225 x 225	15	8	32	1.25
KPL 6	5,500	160	25	26	300 x 300	42	8	32	2.00
KPL 10	10,100	210	25	26	380 x 380	86	8	32	3.50
KPL 14	13,500	250	25	26	450 x 450	152	8	32	5.00
KPL 21	21,100	300	25	26	550 x 550	296	8	32	7.00
KPL 25	25,200	340	25	26	610 x 610	416	8	32	9.00
KPL 33	33,000	380	25	26	690 x 690	621	8	32	11.00
KPL 45	44,600	420	25	26	780 x 780	921	8	32	14.00
KPL 55	55,000	470	25	26	870 x 870	1,305	8	32	18.00
KPL 70	70,400	520	25	26	945 x 945	1,505	8	32	22.50

RUBBER DIMPLES
on contact surfaces for positive gripping

CROSSHATCH REINFORCING PATTERN
made from Kevlar®

CENTRING CROSS
and printing are brightly coloured and bonded to the rubber for long life

FIREPROOF & ANTISTATIC
for use in underground coal mines (use AB-4 & AB-5 controllers)



1/4"-NPT AIR NIPPLE
is replaceable

REINFORCING EGDE
protects the bag from damage

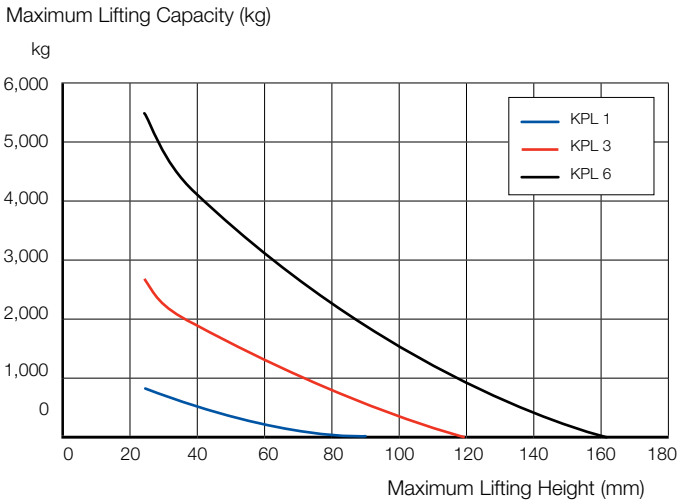


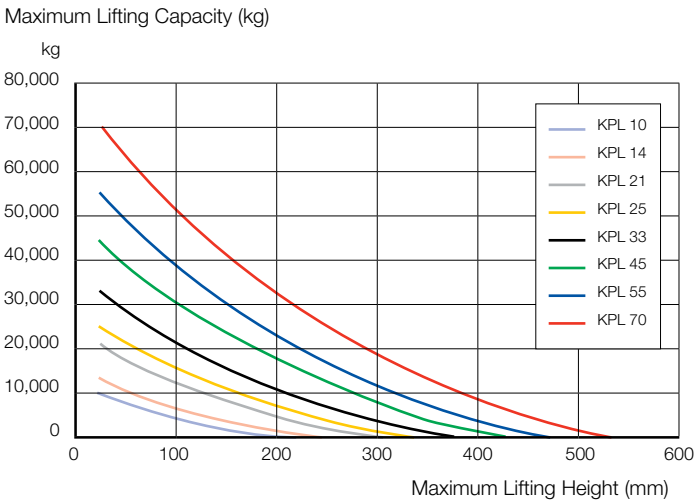
CAPACITY RANGE
800 - 70,400 kg

MAXIMUM LIFTING HEIGHT RANGE
80 - 520 mm

MAXIMUM OPERATING PRESSURE
8 bar

LIFTING CAPACITY VS LIFTING HEIGHT GRAPH







Two airbags can be stacked on top of each other to increase the lifting height



AIR BAG ACCESSORIES

AB-1

Single Deadman Controller - with pressure relief valve and pressure gauge. Controls one air bag.



AB-2

Dual Deadman Controller - with pressure relief valves and pressure gauges. Controls two air bags from one air source.



AB-3

Deluxe Dual Deadman Controller - with built-in pressure relief valves and pressure gauges and pressure sensitive toggle controls. For precise inflation and deflation of two air bags.



AB-4

Single Safety Controller - with pressure relief valve and pressure gauge. For inflation and deflation of one air bag.



AB-5

Dual Safety Controller - with pressure relief valves and pressure gauges. For inflation and deflation of two air bags.



ABC-1Y

Y-Connector - connector allows control of two bags with one controller.



SAFTEY CONTROLLERS AND ACCESSORIES ALLOW THE EFFICIENT AND SAFE USE OF THE KPL-SERIES AIR BAGS.

Single and dual deadman controllers with pressure gauge and pressure relief valves offer maximum air bag inflation and deflation control, while single and dual safety controllers offer a cost effective and reliable air bag control solution. Hoses, connectors, shut-off valves and pressure regulators allow maximum flexibility in the air bag system.

ABCR-1

Pressure Regulator Controller - diaphragm type single stage regulator suits high pressure air tanks.



ABHR-5, ABHB-5, ABHY-5 5 M RED/BLUE/YELLOW ABHR-10, ABHB-10, ABHY-10 10 M RED/BLUE/YELLOW

Hoses - available in 5/10 M in RED/BLUE/YELLOW with male and female air coupler fitted.



ABV-1

Inline Shutoff Valve - with 0.5 M whip hose.



ABV-2

Inline Shutoff Valve - with relief valve.



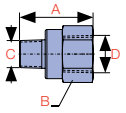
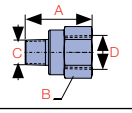
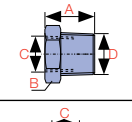
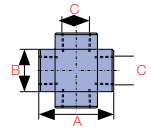
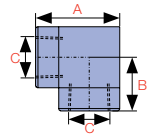
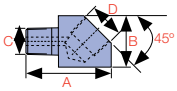
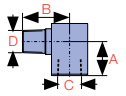
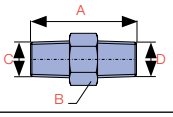
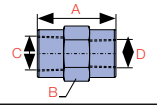
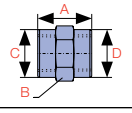
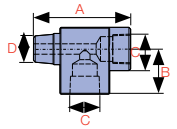
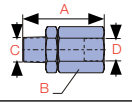
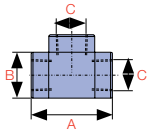
DURAPAC **SYSTEM ACCESSORIES** ALLOW FOR EASY CONNECTION AND ASSEMBLY OF DURAPAC HYDRAULIC TOOLS, PUMPS AND EQUIPMENT.

All items are carefully designed and compatible with Durapac 700 bar working pressure equipment. Our fittings are a 700 bar design, are permanently marked with part number and working pressure. High pressure hydraulic hoses are available in many standard lengths and can be custom made to special lengths on request.
Hydraulic pressure gauges and coupling options; including screwed and snap type ensure your hydraulic system is working safely and efficiently.
In line flow control valves allow system designers to assemble a safe controlled system using needle valves, check valves and pilot operated counterbalance valves.
The VMN-Series Needle Valve Manifold with Transport Frame offers a convenient solution for operating multiple cylinders from a single input source.



DURAPAC **HIGH PRESSURE HYDRAULIC FITTINGS** ALLOW FOR EASY CONNECTION AND ASSEMBLY OF DURAPAC HYDRAULIC TOOLS, PUMPS AND EQUIPMENT.

All fittings are rated to 700 bar working pressure and each fitting is permanently marked with its respective part number and working pressure.

		Model No.	Description		Dimensions (mm)				
			From	To	A	B	C	D	
Adaptor		DFZ-1055	1/4"-18NPT Male	3/8"-18NPT Female	44	23.0	1/4"-18NPT	3/8"-18NPT	
		DFZ-1633	1/4"-18NPT Male	1/2"-14NPT Female	43	29.0	1/4"-18NPT	1/2"-14NPT	
		DFZ-1634	3/8"-18NPT Male	1/2"-14NPT Female	43	29.0	3/8"-18NPT	1/2"-14NPT	
		DFZ-1642	1/8"-27NPT Male	1/4"-18NPT Female	30	19.0	1/8"-27NPT	1/4"-18NPT	
Adaptor		DFZB-16323	1/4"-18NPT Male	G3/8" Female	43	24.0	1/4"-18NPT	G3/8"	
		DFZB-16324	3/8"-18NPT Male	G3/8" Female	43	24.0	3/8"-18NPT	G3/8"	
		DFZB-16411	1/4"-18NPT Male	G1/4" Female	35	19.0	1/4"-18NPT	G1/4"	
		DFZB-16421	1/8"-27NPT Male	G1/4" Female	31	19.0	1/8"-27NPT	G1/4"	
Bushing		DFZ-1630	1/4"-NPT Female	3/8"-NPT Male	19	19.0	1/4"-18NPT	3/8"-18NPT	
		DFZB-1630	1/4"-NPT Female	1/2"-NPT Male	28	22.0	1/4"-18NPT	1/2"-14NPT	
		DFZB-16301	G1/4" Female	3/8"-NPT Male	19	19.0	G1/4"	3/8"-18NPT	
		DFZB-16302	3/8"-NPT Female	1/2"-NPT Male	35	27.0	3/8"NPT	1/2"-14PT	
Cross		DFZ-1613	3/8"-NPT Female	3/8"-NPT Female	45	25.0	3/8"-18NPT	-	
Elbow		DFZ-1610	3/8"-NPT Female	3/8"-NPT Female	35	22.5	3/8"-18NPT	-	
		DFZ-1638	1/4"-NPT Female	1/4"-NPT Female	35	22.5	1/4"-18NPT	-	
45° Elbow		DFZ-1645	1/4"-NPT Male	3/8"-NPT Female	42	25.4	1/4"-18NPT	3/8"-18NPT	
Street Elbow		DFZ-1616	3/8"-NPT Male	3/8"-NPT Female	23	33.0	3/8"-18NPT	3/8"-18NPT	
Hex Nipple		DFZ-1608	1/4"-NPT Male	1/4"-NPT Male	38	16.0	1/4"-18NPT	1/4"-18NPT	
		DFZ-1617	3/8"-NPT Male	3/8"-NPT Male	37	19.0	3/8"-18NPT	3/8"-18NPT	
		DFZ-1618	1/4"-NPT Male	3/8"-NPT Male	37	19.0	1/4"-18NPT	3/8"-18NPT	
		DFZ-1619	3/8"-NPT Male	3/8"-NPT Male	51	19.0	3/8"-18NPT	3/8"-18NPT	
Reducing Connector		DFZ-1615	3/8"-NPT Female	1/4"-NPT Female	28	25.0	3/8"-18NPT	1/4"-18NPT	
		DFZ-1625	1/2"-NPT Female	3/8"-NPT Female	47	29.0	1/2"-14NPT	3/8"-18NPT	
Socket		DFZ-1605	1/4"-NPT Female	1/4"-NPT Female	29	19.0	1/4"-18NPT	1/4"-18NPT	
		DFZ-1614	3/8"-NPT Female	3/8"-NPT Female	29	26.0	3/8"-18NPT	3/8"-18NPT	
Street Tee		DFZB-16312	3/8"-NPT Female	3/8"-NPT Male	56	26.0	3/8"-18NPT	3/8"-18NPT	
Swivel Fitting		DFZ-1660	3/8"-NPT Male	3/8"-NPT Female	53	26.0	3/8"-18NPT	3/8"-18NPT	
T Connector		DFZ-1612	3/8"-NPT Female	3/8"-NPT Female	45	25.0	3/8"-18NPT	-	
		DFZ-1637	1/4"-NPT Female	1/4"-NPT Female	45	25.0	1/4"-18NPT	-	

THE **HPS-SERIES** HYDRAULIC 1/4" & 3/8" HOSES ARE A HIGH PRESSURE THERMOPLASTIC HOSE THAT EXCEEDS THE AMERICAN JACKING SPECIFICATIONS IJ100 FOR USE IN APPLICATIONS TO 700 BAR.

The hose is made up by an inner tube that is polyester elastomer and is reinforced by braids of aramid fibre plus one braid of steel wire covered with a polyurethane (anti abrasive) outer. The hose is lightweight and flexible with a tight bend radius for use on hose reels and in tight situations.
1/4" sizes are available in Red, Black and Twin (1 x Red / 1 x Black) for double acting hydraulic applications. All hoses are complete with crimp on fittings and bend restrictors. Models complete with hydraulic couplings are available (see table for details).



Durapac hose burst sleeves are a very dense (but not bulky) hose cover. They are highly resistant to abrasion and have a high degree of burst resistance in case of a hydraulic hose failure. MSHA number IC-359/01 certified for flame-resistant solid products taken into mines.
The sleeve is available in two sizes, 27 mm and 31 mm inside diameter and optionally available for any Durapac hose up to 30 meters long.
See tables on Page 185 for details



*Hoses shown with optional Hose Burst Sleeve^*

Model No.	Hose Size (inch)	Internal Diameter (mm)	Outside Diameter (mm)	Working Pressure		Min. Burst Pressure		Safety Factor Ratio	Temperature Range		Bend Radius (mm)	Weight (g/m)
				(bar)	(psi)	(bar)	(psi)		(min.)	(max.)		
HPS-06	1/4	6.6	12.7	700	10,000	2,800	40,000	4:1	-40 °C	+100 °C	35	180
HPS-10	3/8	9.8	18.7	700	10,000	2,800	40,000	4:1	-40 °C	+100 °C	90	330

^ Hose Burst Sleeve sold separately

Durapac 1/4" bore hoses are ideal for most jacking and hydraulic tool applications

HPS Model No.	Bore Size	Lengths	End Types	Colour
HPS-0601A*#	1/4"	1 M	1/4"-NPT - Male thread both ends	* To select (single hose) colour or twin hose, add suffix "R", "B" or "T" to hose model number when ordering, eg. "HPS-0606AR", "HPS-0603BB", or "HPS-0602CT" R = Red B = Black T = Twin (Red & Black) Fused
HPS-0602A*#		2 M		
HPS-0603A*#		3 M		
HPS-0604A*#		4 M		
HPS-0606A*#		6 M		
HPS-0610A*#		10 M		
HPS-0615A*#		15 M		
HPS-0620A*#		20 M		
HPS-0625A*#		25 M		
HPS-0630A*#		30 M		
HPS-0601B*#		1 M	3/8"-NPT - Male thread both ends	
HPS-0602B*#		2 M		
HPS-0603B*#		3 M		
HPS-0604B*#		4 M		
HPS-0606B*#		6 M		
HPS-0610B*#		10 M		
HPS-0615B*#		15 M		
HPS-0620B*#		20 M		
HPS-0625B*#		25 M		
HPS-0630B*#		30 M		
HPS-0601C*#		1 M	CH-6 Male coupling on one end and other end 3/8"-NPT Male thread	# To order optional Hose Burst Sleeve, add suffix "S" to hose model number, eg. "HPS-0606ARS", "HPS-0603BBS", or "HPS-0602CTS"
HPS-0602C*#		2 M		
HPS-0603C*#		3 M		
HPS-0604C*#		4 M		
HPS-0606C*#		6 M		
HPS-0610C*#		10 M		
HPS-0615C*#		15 M		
HPS-0620C*#		20 M		
HPS-0625C*#		25 M		
HPS-0630C*#		30 M		
HPS-0601D*#		1 M	CH-6 Male coupling on both ends	
HPS-0602D*#		2 M		
HPS-0603D*#		3 M		
HPS-0604D*#		4 M		
HPS-0606D*#		6 M		
HPS-0610D*#		10 M		
HPS-0615D*#		15 M		
HPS-0620D*#		20 M		
HPS-0625D*#		25 M		
HPS-0630D*#		30 M		







Durapac 3/8" bore hoses are ideal when higher flows and lower back pressures are required

HPS Model No.	Bore Size	Lengths	End Types	Colour
HPS-1001BB#	3/8"	1 M	3/8"-NPT Male thread	Available in Black only
HPS-1002BB#		2 M		
HPS-1003BB#		3 M		
HPS-1004BB#		4 M		
HPS-1006BB#		6 M		
HPS-1010BB#		10 M		
HPS-1015BB#		15 M		
HPS-1020BB#		20 M		
HPS-1025BB#		25 M		
HPS-1030BB#		30 M		
HPS-1001CB#		1 M	CH-6 Male coupling on one end and other end 3/8"-NPT Male	# To order optional Hose Burst Sleeve, add suffix "S" to hose model number, eg. "HPS-1001BBS" or "HPS-1025DBS"
HPS-1002CB#		2 M		
HPS-1003CB#		3 M		
HPS-1004CB#		4 M		
HPS-1006CB#		6 M		
HPS-1010CB#		10 M		
HPS-1015CB#		15 M		
HPS-1020CB#		20 M		
HPS-1025CB#		25 M		
HPS-1030CB#		30 M		
HPS-1001DB#		1 M	CH-6 Male coupling on both ends	
HPS-1002DB#		2 M		
HPS-1003DB#		3 M		
HPS-1004DB#		4 M		
HPS-1006DB#		6 M		
HPS-1010DB#		10 M		
HPS-1015DB#		15 M		
HPS-1020DB#		20 M		
HPS-1025DB#		25 M		
HPS-1030DB#		30 M		







THREAD SIZES

1/4" & 3/8"-NPT

MAXIMUM OPERATING PRESSURE

700 bar

When using long hose lengths, it may be necessary to refill the pump reservoir to allow for the oil that has filled the hose. Allow the following volumes per M of hose length:
HPS-06: 34.21 cc/m
HPS-10: 75.43 cc/m

DHO-01L, DHO-05L & DHO-20L

Durapac Hydraulic Oil is a premium hydraulic oil available in handy 1 – 20 L containers



DURAPAC

HYDRAULIC PRESSURE GAUGES & ADAPTORS

GAUGE ADAPTORS

FGA-1

3/8"-NPT male x 3/8"-NPT female x 1/4"-NPT female gauge adaptor on 16º angle



FGA-3

3/8"-NPT male x 3/8"-NPT female x 1/4"-NPT female gauge adaptor on 16º angle



FGA-18

3/8"-NPT male x 3/8"-NPT female x 1/4"-NPT female gauge adaptor



THE **PG-SERIES** HYDRAULIC PRESSURE GAUGES ARE RECOMMENDED FOR MONITORING ALL HYDRAULIC SYSTEMS.

Models are available from 63-150 mm face diameter and feature high quality stainless steel construction. Analogue models are liquid filled to increase longevity and are accurate to within 1% excluding model PG-63 (1.6%). The battery powered PGD-75 digital pressure gauge can be programmed with a cylinder effective area, quickly set to read in force measurements (kN, tonne, kg) or pressure measurements (bar, psi). It is accurate to within 0.25% and includes pressure peak hold functionality..

GAUGES

PGD-75

75 mm diam. 0-1,000 bar / 0-14,500 psi 1/4"-NPT Male



PG-63

63 mm diam. 0-1,000 bar / 0-14,500 psi 1/4"-NPT Male

PG-100

100 mm diam. 0-1,000 bar / 0-14,500 psi 1/4"-NPT Male

PG-150

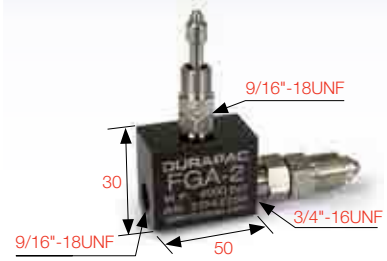
150 mm diam. 0-1,000 bar / 0-14,500 psi 1/4"-NPT Male



Suitable for High Pressure

FGA-2

3/4"-16UNF x 9/16"-18UNF x 9/16"-18UNF 4,000 bar W.P gauge adaptor. Includes connection nipples to suit PG-100-40K and PG-100-60K pressure gauges and P-2100H hand pump



PG-100-40K

100 mm diam. 0-2,700 bar / 0-40,000 psi 9/16"-18UNF Female

PG-100-60K

100 mm diam. 0-4,000 bar / 0-60,000 psi 9/16"-18UNF Female



DURAPAC **HYDRAULIC COUPLINGS** OFFER THE USER VARIOUS OPTIONS FOR EASY ASSEMBLY AND CONNECTION OF HYDRAULIC SYSTEMS AND TOOLS.

The CR-6 female high flow screw coupling with plastic dust cap is standard supply on all Durapac cylinders. Other options available include 1/8" and 1/4" screw style couplings, metal dust caps and snap together style where no oil spill on connection or disconnection is desirable. The GCS-210 is a gauge coupling set and is ideal for use when the pressure gauge needs to be removed from a system for protection and transportation.



THREAD SIZES

1/8", 1/4" & 3/8"-NPT, 9/16"-18UNF, 3/4"-16UNF

MAXIMUM OPERATING PRESSURE RANGE

700 – 4,000 bar

CH-2
1/8" male coupling with dust cap* (1/8"-NPT male)



CR-2
1/8" female coupling with dust cap* (1/8"-NPT male)



CS-2
Coupling set with dust caps* includes CH-2 and CR-2



CH-4
1/4" male coupling with dust cap* (1/4"-NPT female)



CR-4
1/4" female coupling with dust cap* (1/4"-NPT male)



CS-4
Coupling set with dust caps* includes CH-4 and CR-4



CH-6
3/8" male coupling with dust cap* (3/8"-NPT female)



CR-6
3/8" female coupling with dust cap* (3/8"-NPT male)



CS-6
Coupling set with dust caps includes CH-6 and CR-6



UDC-1
Universal dust cap to suit 3/8" male and female couplings



GCS-210
Gauge coupling set with dust caps. Compact pin design



CFH-6
Male half snap coupling with dust cap (3/8"-NPT female)



CFR-6
Female half snap coupling with dust cap (3/8"-NPT female)



CFS-6
Snap coupling set with dust caps includes CFH-6 and CFR-6



* Dust cap not shown

DURAPAC

IN LINE FLOW AND PRESSURE CONTROL VALVES

DURAPAC **IN LINE FLOW AND PRESSURE CONTROL VALVES** ALLOW THE SYSTEM DESIGNER GREAT FLEXIBILITY AND CONTROL.

Available options include a needle type flow control valve, in line adjustable pressure relief valve, 2 - 8 outlet needle valve blocks and check valves with manual bypass. The VCB-2 load lowering counterbalance valve offers smooth, chatter free lifting and lowering when used with double acting cylinders. It is also available as a manifold version VCB-3 which can be teamed with Durapac power pumps.

DSV-42

Pilot operated check valve can be cylinder mounted to hold the load in case of system pressure loss. Pilot ratio 6.5:1. Ports are 3/8" NPT female



VCB-2

3/8"-NPT counterbalance valve for controlled lifting and lowering of heavy loads. Pilot pressure is adjustable from 130 - 207 bar. Designed for inline mounting at the cylinder and includes 750 mm whip hoses with CH-6 male couplings to connect to the cylinder, and CR-6 female couplers for pump input



VCB-3

Counterbalance valve for controlled lifting and lowering of heavy loads. Pilot pressure is adjustable from 130 - 207 bar. Designed for manifold mounting on Durapac power units



VNV-1

3/8"-NPT female needle valve



VNV-2

1/4"-NPT female needle valve



VCV-33

3/8"-NPT female load lowering check valve with manual bypass. Needle valve adjustment can be locked via the incorporated locknut



VBV-1

3/8"-NPT female ball valve, stainless steel with PEEK seats



VRV-1

3/8"-NPT female pressure relief valve adjustable from 20 - 700 bar (drain port is 1/8"-NPT female)



VCV-66

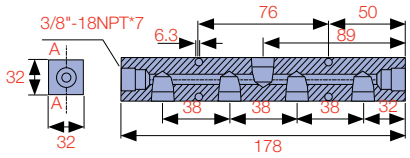
3/8"-NPT female load lowering check valve with manual bypass



RM-7S

7 port steel bodied return manifold - 7 x 3/8"-NPT female ports

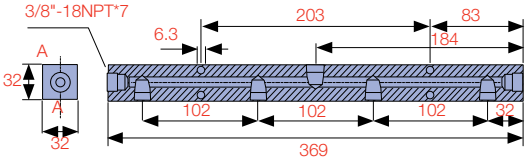




RM-7L

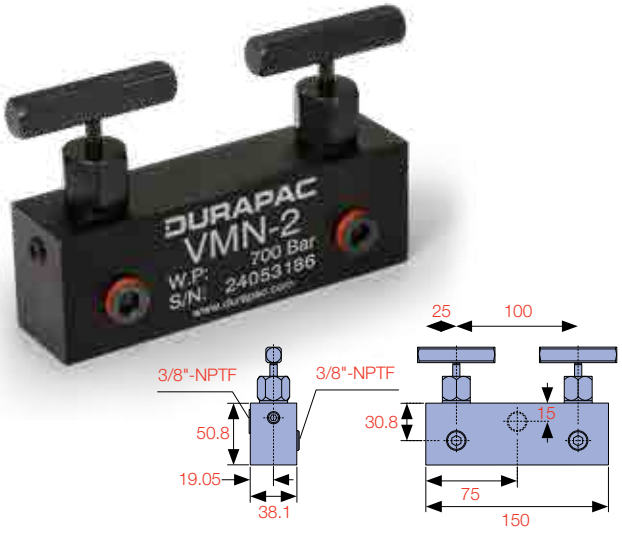
7 port steel bodied return manifold - 7 x 3/8"-NPT female ports





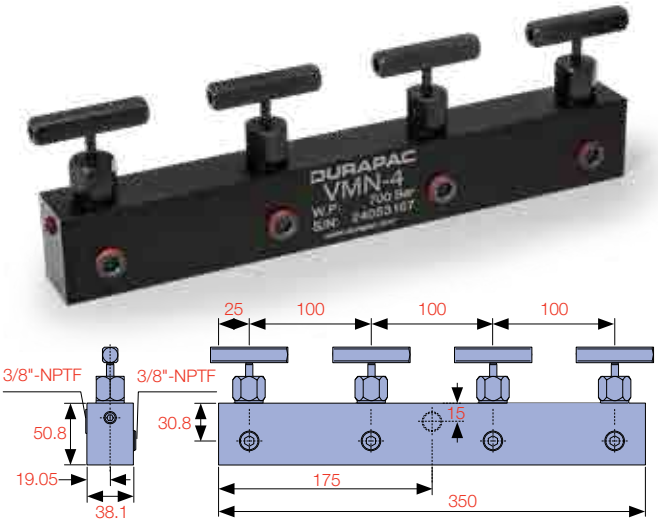
VMN-2

2 way aluminium bodied manifold with needle valves - 2 x 3/8"-NPT female outlet ports, 1 x 3/8"-NPT female inlet port (centrally located opposite to the 2 outlet ports)



VMN-4

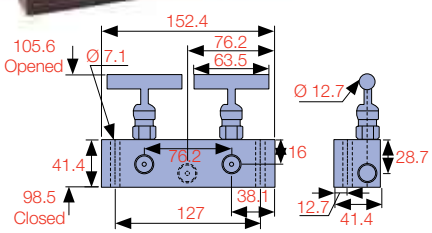
4 way aluminium bodied manifold with needle valves - 4 x 3/8"-NPT female outlet ports, 1 x 3/8"-NPT female inlet port (centrally located opposite to the 4 outlet ports)



VMN-2M

2 way steel bodied manifold with needle valves - 2 x 3/8"-NPT female outlet ports, 1 x 3/8"-NPT female inlet port (centrally located opposite to the 2 outlet ports)

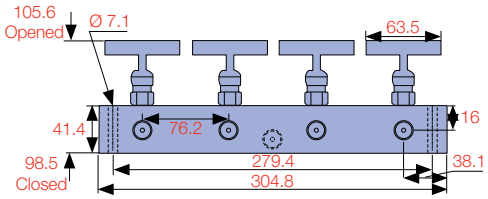




VMN-4M

4 way steel bodied manifold with needle valves - 4 x 3/8"-NPT female outlet ports, 1 x 3/8"-NPT female inlet port (centrally located opposite to the 4 outlet ports)



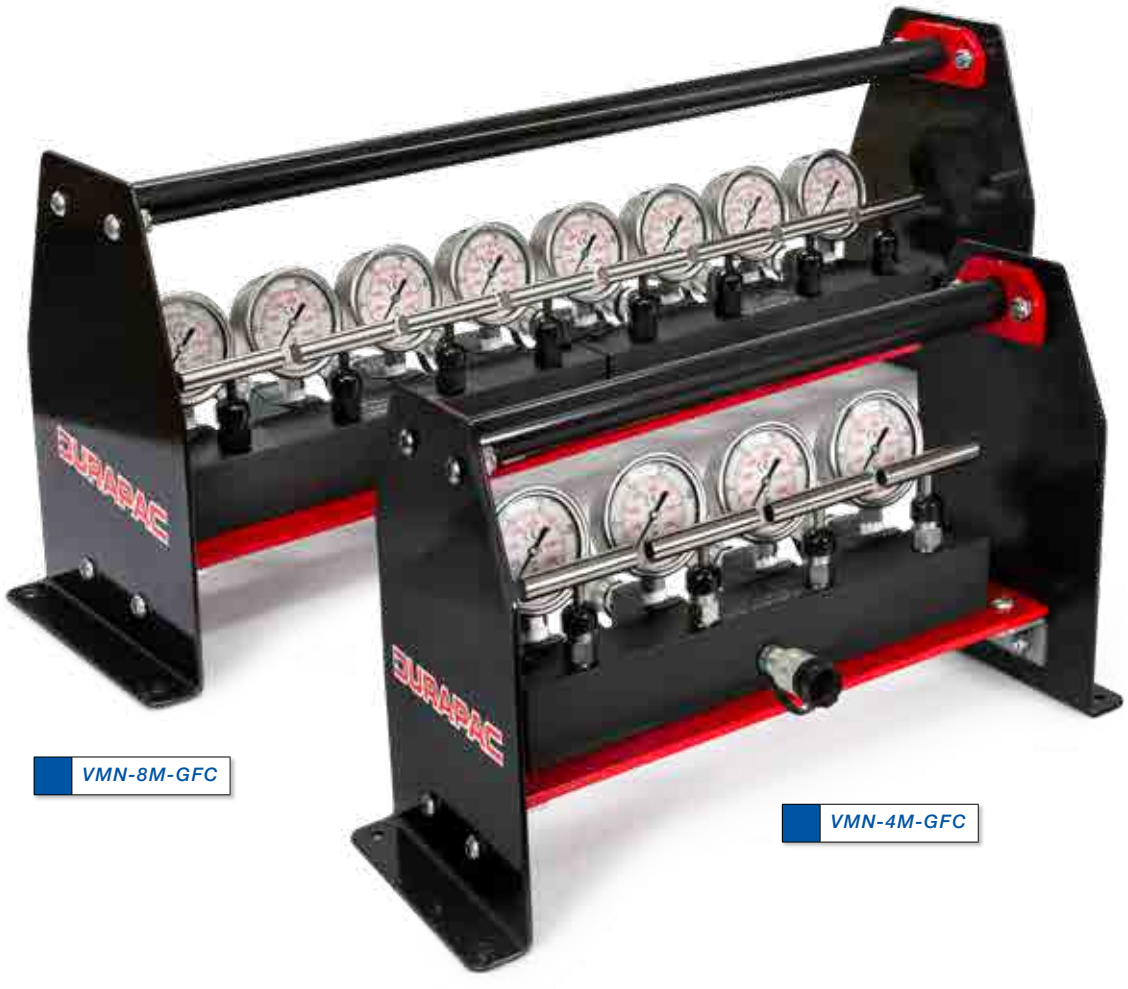


DURAPAC

NEEDLE VALVE MANIFOLDS WITH TRANSPORT FRAMES

DURAPAC **VMN-SERIES** NEEDLE VALVE MANIFOLDS WITH TRANSPORT FRAMES ARE DESIGNED TO BE USED WITH 700 BAR HAND PUMPS AND POWER UNITS.

They offer a convenient solution for operating multiple cylinders from a single input source. Each manifold includes FGA-1 gauge adaptors, and PG-63 liquid filled 63 mm diameter pressure gauges. Versions with CR-6 female couplers on the input and output ports are available. All ports are 3/8" NPT female.



VMN-8M-GFC

VMN-4M-GFC

Model Number	Control Outlets	Qty. PG-63 Included	Qty. FGA-1 Included	Qty. CR-6 Included	Pressure Rating (bar)	Width (mm)	Height (mm)	Depth (mm)	Net Weight (kg)
VMN-2M-GF	2	2	2	-	700	370	280	180	6.85
VMN-2M-GFC	2	2	2	3	700	370	280	180	7.95
VMN-4M-GF	4	4	4	-	700	370	280	180	10.25
VMN-4M-GFC	4	4	4	5	700	370	280	180	11.25
VMN-6M-GF	6	6	6	-	700	535	280	180	12.60
VMN-6M-GFC	6	6	6	7	700	535	280	180	14.00
VMN-8M-GF	8	8	8	-	700	685	280	180	13.20
VMN-8M-GFC	8	8	8	9	700	685	280	180	17.00

CYLINDER SEAL KITS



DURAPAC OFFER A COMPLETE RANGE OF **SEAL KITS** TO SUIT ITS RANGE OF CYLINDERS, TOOLS AND EQUIPMENT.

The table below outlines seal kit part numbers to suit popular cylinder series and/or models. A complete list of operating instructions including spares parts lists and repair kit details is available on our website www.durapac.com.

Seal Kit to Suit	Part Number
AC 20 TON SERIES	ZAA1048
AC 30 TON SERIES	ZAA1049
AC 50 TON SERIES	ZAA1050
AC 75 TON SERIES	ZAA1073
AC 100 TON SERIES	ZAA1051
AC 150 TON SERIES	ZAA1052
AC 200 TON SERIES	ZAA1053
ACD 20 TON SERIES	ZAA1072
ACD 30 TON SERIES	ZAA1054
ACD 50 TON SERIES	ZAA1055
ACD 100 TON SERIES	ZAA1056
ACD 150 TON SERIES	ZAA1057
ACD 200 TON SERIES	ZAA1058
ACHD 30 TON SERIES	ZAA1059
ACHD 50 TON SERIES	ZAA1060
ACHD 60 TON SERIES	ZAA1061
ACHD 100 TON SERIES	ZAA1062
ACHS 20 TON SERIES	ZAA1075
ACHS 30 TON SERIES	ZAA1063
ACHS 50 TON SERIES	ZAA1064
ACHS 60 TON SERIES	ZAA1065
ACHS 100 TON SERIES	ZAA1066
ACSLC 30 TON SERIES	ZAA1067
ACSLC 50 TON SERIES	ZAA1068
ACSLC 100 TON SERIES	ZAA1069
ACSLC 150 TON SERIES	ZAA1070
ACSLC 200 TON SERIES	ZAA1071
RAP-106	ZAQ1000
RAP-206	ZAQ1001
RAP-306	ZAQ1002
RAP-506	ZAQ1003
RC-106T	ZAL1600
RC-205T	ZAL1610
RD 10 TON SERIES	ZAM1005
RD 30 TON SERIES	ZAM1009
RD 50 TON SERIES	ZAM1012
RD 75 TON SERIES	ZAM1014
RD 100 TON SERIES	ZAM1006
RD 150 TON SERIES (except RD-1502)	ZAM1007
RD-1502	ZAM1102
RD-2006	ZAM1102

Seal Kit to Suit	Part Number
RD-20013	ZAM1008
RD-20018	ZAM1098
RD-20024	ZAM1099
RD-20036	ZAM1100
RD-20048	ZAM1101
RD-3006	ZAM1107
RD-30012	ZAM1010
RD-30018	ZAM1103
RD-30024	ZAM1104
RD-30036	ZAM1105
RD-30048	ZAM1106
RD 400 TON SERIES	ZAM1011
RD 500 TON SERIES (except RD-5006)	ZAM1013
RD-5006	ZAM1108
RDHG 50 TON SERIES	ZAM1022
RDHG 100 TON SERIES	ZAM1015
RDHG 150 TON SERIES	ZAM1016
RDHG 200 TON SERIES	ZAM1018
RDHG 250 TON SERIES	ZAM1019
RDHG 300 TON SERIES	ZAM1020
RDHG 400 TON SERIES	ZAM1021
RDHG 500 TON SERIES	ZAM1023
RDHG 600 TON SERIES	ZAM1024
RFJ 5 TON SERIES	ZAM1030
RFJ 10 TON SERIES	ZAM1025
RFJ 20 TON SERIES	ZAM1028
RFJ 30 TON SERIES	ZAM1029
RFJ 50 TON SERIES	ZAM1031
RFJ 75 TON SERIES	ZAM1032
RFJ 100 TON SERIES	ZAM1026
RFJ 150 TON SERIES	ZAM1027
RG 5 TON SERIES (except RG-50 & RG-51)	ZAM1038
RG-50	ZAM1095
RG-51	ZAM1096
RG 10 TON SERIES	ZAM1033
RG 15 TON SERIES	ZAM1035
RG 25 TON SERIES	ZAM1036
RG 30 TON SERIES	ZAM1037
RG 50 TON SERIES	ZAM1039
RG 75 TON SERIES	ZAM1040

Seal Kit to Suit	Part Number
RG 100 TON SERIES	ZAM1034
RHD 30 TON SERIES	ZAM1043
RHD 60 TON SERIES	ZAM1044
RHD 100 TON SERIES	ZAM1041
RHD 150 TON SERIES	ZAM1042
RHS 12 TON SERIES (except RHS-120)	ZAM1046
RHS-120	ZAM1097
RHS 20 TON SERIES	ZAM1047
RHS 30 TON SERIES	ZAM1048
RHS 60 TON SERIES	ZAM1049
RHS 100 TON SERIES	ZAM1045
RJ 150 TON SERIES	ZAM1052
RJ 200 TON SERIES	ZAM1054
RLP 10 TON SERIES	ZAM1057
RLP 20 TON SERIES	ZAM1059
RLP 30 TON SERIES	ZAM1060
RLP 50 TON SERIES	ZAM1061
RLP 100 TON SERIES	ZAM1058
RPLC 60 TON SERIES	ZAM1068
RPLC 100 TON SERIES	ZAM1062
RPLC 160 TON SERIES	ZAM1063
RPLC 200 TON SERIES	ZAM1064
RPLC 250 TON SERIES	ZAM1065
RPLC 400 TON SERIES	ZAM1066
RPLC 500 TON SERIES	ZAM1067
RSH 50 TON SERIES	ZAM1073
RSH 100 TON SERIES	ZAM1069
RSH 150 TON SERIES	ZAM1070
RSH 200 TON SERIES	ZAM1071
RSH 250 TON SERIES	ZAM1072
RSHG 50 TON SERIES	ZAM1078
RSHG 100 TON SERIES	ZAM1074
RSHG 150 TON SERIES	ZAM1075
RSHG 200 TON SERIES	ZAM1076
RSHG 250 TON SERIES	ZAM1077
RSLC 50 TON SERIES	ZAM1085
RSLC 100 TON SERIES	ZAM1079
RSLC 150 TON SERIES	ZAM1080
RSLC 200 TON SERIES	ZAM1081
RSLC 250 TON SERIES	ZAM1082
RSLC 300 TON SERIES	ZAM1083
RSLC 400 TON SERIES	ZAM1084
RSLC 500 TON SERIES	ZAM1086



TORQUE CALIBRATION SYSTEM

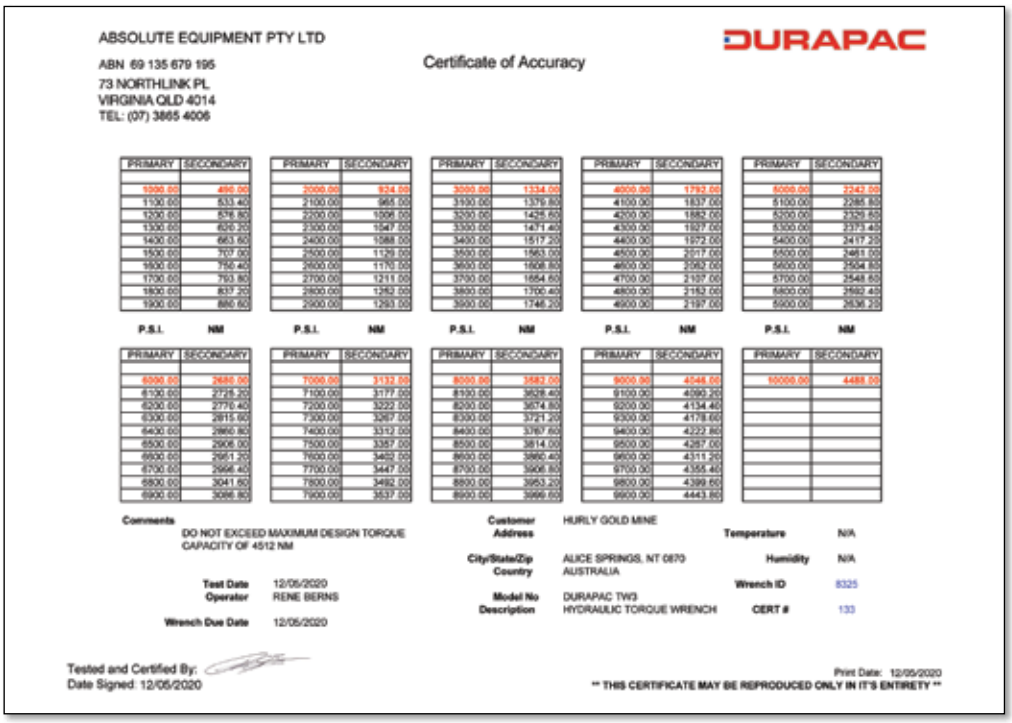
HYDRAULIC TORQUE WRENCH TOOLS ARE A WIDELY ACCEPTED AND USED DEVICE FOR TIGHTENING AND LOOSENING MEDIUM TO LARGE BOLTS WITH UP TO 72,000 NM OF TORQUE.

The range of applications is very diverse and hydraulic torque wrench tools can be seen in operation in almost every part of industry. Many of these applications are of a critical nature and demand a tool that is not only accurate and reliable, but also certified to be accurate. To ensure all Durapac TW and LPC-Series torque wrenches meet our clients' high expectations, each tool is supplied with a calibration certificate of accuracy that is traceable to international standards. Each test is performed on a calibration rig that has an accuracy of 0.1% and the tool serial number is cross referenced to the test certificate.



CERTIFICATE OF ACCURACY

BELOW IS A SAMPLE CERTIFICATE THAT IS TRACEABLE TO INTERNATIONAL STANDARDS. ALL TW & LPC HYDRAULIC TORQUE WRENCHES ARE SUPPLIED WITH A CERTIFICATE OF ACCURACY.



ABSOLUTE EQUIPMENT PTY LTD
ABN 69 135 679 195
73 NORTHLINK PL
VIRGINIA QLD 4014
TEL: (07) 3865 4006

Certificate of Accuracy

DURAPAC

PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY
1000.00	486.00	2000.00	924.00	3000.00	1334.00	4000.00	1792.00	5000.00	2242.00
1100.00	533.40	2100.00	965.00	3100.00	1379.80	4100.00	1837.00	5100.00	2285.80
1200.00	576.80	2200.00	1006.00	3200.00	1425.60	4200.00	1882.00	5200.00	2329.60
1300.00	620.20	2300.00	1047.00	3300.00	1471.40	4300.00	1927.00	5300.00	2373.40
1400.00	663.60	2400.00	1088.00	3400.00	1517.20	4400.00	1972.00	5400.00	2417.20
1500.00	707.00	2500.00	1129.00	3500.00	1563.00	4500.00	2017.00	5500.00	2461.00
1600.00	750.40	2600.00	1170.00	3600.00	1608.80	4600.00	2062.00	5600.00	2504.80
1700.00	793.80	2700.00	1211.00	3700.00	1654.60	4700.00	2107.00	5700.00	2548.60
1800.00	837.20	2800.00	1252.00	3800.00	1700.40	4800.00	2152.00	5800.00	2592.40
1900.00	880.60	2900.00	1293.00	3900.00	1746.20	4900.00	2197.00	5900.00	2636.20
P.S.I.	NM	P.S.I.	NM	P.S.I.	NM	P.S.I.	NM	P.S.I.	NM

PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY
6000.00	2680.00	7000.00	3132.00	8000.00	3582.00	9000.00	4046.00	10000.00	4488.00
6100.00	2725.20	7100.00	3177.00	8100.00	3628.40	9100.00	4090.20		
6200.00	2770.40	7200.00	3222.00	8200.00	3674.80	9200.00	4134.40		
6300.00	2815.60	7300.00	3267.00	8300.00	3721.20	9300.00	4178.60		
6400.00	2860.80	7400.00	3312.00	8400.00	3767.60	9400.00	4222.80		
6500.00	2906.00	7500.00	3357.00	8500.00	3814.00	9500.00	4267.00		
6600.00	2951.20	7600.00	3402.00	8600.00	3860.40	9600.00	4311.20		
6700.00	2996.40	7700.00	3447.00	8700.00	3906.80	9700.00	4355.40		
6800.00	3041.60	7800.00	3492.00	8800.00	3953.20	9800.00	4399.60		
6900.00	3086.80	7900.00	3537.00	8900.00	3999.60	9900.00	4443.80		

Comments: DO NOT EXCEED MAXIMUM DESIGN TORQUE CAPACITY OF 4512 NM

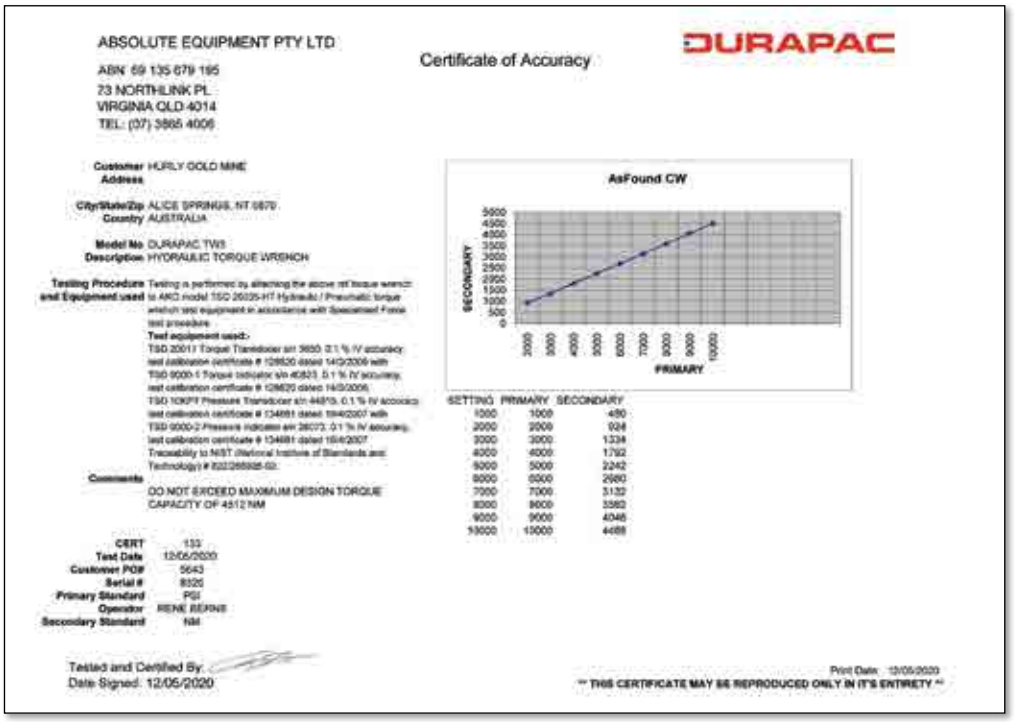
Test Date: 12/05/2020
Operator: RENE BERNS
Wrench Due Date: 12/05/2020

Customer Address: HURLY GOLD MINE
City/State/Zip: ALICE SPRINGS, NT 0870
Country: AUSTRALIA
Model No: DURAPAC TW3
Description: HYDRAULIC TORQUE WRENCH

Temperature: N/A
Humidity: N/A
Wrench ID: 8325
CERT #: 133

Tested and Certified By:
Date Signed: 12/05/2020

Print Date: 12/05/2020
** THIS CERTIFICATE MAY BE REPRODUCED ONLY IN IT'S ENTIRETY **



ABSOLUTE EQUIPMENT PTY LTD
ABN 69 135 679 195
73 NORTHLINK PL
VIRGINIA QLD 4014
TEL: (07) 3865 4006

Certificate of Accuracy

DURAPAC

Customer Address: HURLY GOLD MINE
City/State/Zip: ALICE SPRINGS, NT 0870
Country: AUSTRALIA
Model No: DURAPAC TW3
Description: HYDRAULIC TORQUE WRENCH

Testing Procedure and Equipment used: Testing is performed by attaching the above ratchet wrench to AKO model TSD 26035-HT Hydraulic / Pneumatic torque wrench test equipment in accordance with Specialised Force test procedure

Test equipment used:-
TSD 20013 Torque Transducer s/n 3650. 0.1 % IV accuracy, last calibration certificate # 129520 dated 14/3/2006 with TSD 9000-1 Torque indicator s/n 40823. 0.1 % IV accuracy, last calibration certificate # 129620 dated 14/3/2006.
TSD 10KPT Pressure Transducer s/n 44815. 0.1 % IV accuracy last calibration certificate # 134681 dated 19/4/2007 with TSD 9000-2 Pressure indicator s/n 28073. 0.1 % IV accuracy, last calibration certificate # 134681 dated 19/4/2007
Traceability to NIST (National Institute of Standards and Technology) # 822/285926-02.

Comments: DO NOT EXCEED MAXIMUM DESIGN TORQUE CAPACITY OF 4512 NM

SETTING	PRIMARY	SECONDARY
1000	1000	486
2000	2000	924
3000	3000	1334
4000	4000	1792
5000	5000	2242
6000	6000	2680
7000	7000	3132
8000	8000	3582
9000	9000	4046
10000	10000	4488

CERT: 133
Test Date: 12/05/2020
Customer PO#: 5643
Serial #: 8325
Primary Standard: PSI
Operator: RENE BERNS
Secondary Standard: NM

Tested and Certified By:
Date Signed: 12/05/2020

Print Date: 12/05/2020
** THIS CERTIFICATE MAY BE REPRODUCED ONLY IN IT'S ENTIRETY **

QUALITY STATEMENT

CONTINUALLY REVIEW AND IMPROVE OUR QUALITY CONTROL PROCESSES TO ACHIEVE THE GOAL OF BEST PRACTICE IN PRODUCTS AND SERVICES PROVIDED BY DURAPAC.

To ensure all Durapac products are strictly in compliance with industrial standards and not only meet but exceed expectations, we have established a quality infrastructure consisting of R&D, design, manufacturing and testing that work harmoniously to provide quality industrial hydraulic equipment to the Construction, Mining, Petrochemical, Power Generation, Aviation and Railway Industries.

Prior to despatch from our distribution centre, each Durapac product is individually inspected, tested and certified to predetermined quality standards for the product type to ensure a zero defect status. Each product has an individual serial number laser engraved into the body and is cross referenced to the manufacturing processes for traceability.

All Durapac suppliers are required to hold approved quality systems accreditation and factory based reviews are conducted on a regular basis.





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DURAPAC®

ENGINEERED FOR RELIABILITY

HIGH PRESSURE HYDRAULIC TOOL SPECIALISTS

CYLINDERS | JACKS | PUMPS | TOOLS



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