HEMS
HEAVY EQUIPMENT MAINTENANCE SOLUTIONS LIMITED

BRITISH ENGINEERING. TRUSTED GLOBALLY
KEEP YOUR EARTH MOVING MACHINERY MOVING

INDUSTRIAL JACKS

HEAVY-DUTY HYDRAULIC JACKS

SAFE. STABLE. BUILT FOR LIFTING.

Reliable hydraulic lifting solutions for heavy equipment maintenance, positioning and specialist applications.

COMPACT, POWERFUL AND READY TO WORK.







HIGH TONNAGE JACKS



LOW PROFILE JACKS



COMPACT JACKS



SAFE & CONTROLLED LIFTING

PRODUCT CATALOGUE | 2026 EDITION

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INDUSTRIAL JACK

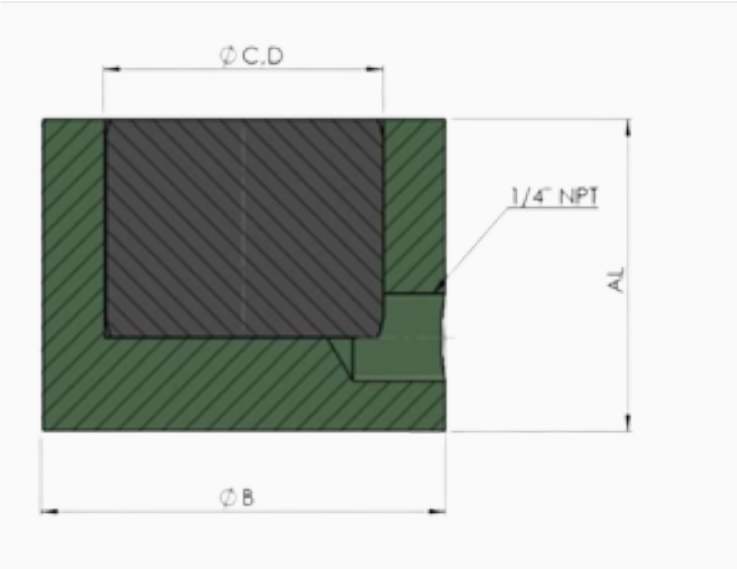
HE-VPS HEMS

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

VERY SMALL JACK – PLAIN RAM
LOAD RETURN - SINGLE ACTING

ADVANTAGES / FEATURES

- Used in complex areas, low clearance areas.
- Compact design, Heat-treated alloy steel body for long life.
- High-pressure oil seals are used
- Port Size ¼" NPT for lower range, ⅜" NPT for higher range.
- Ideally suited for precision lifting, alignments of machinery, heavy structures and removal of pulleys/sprockets on taper seats.
- Ensure no gap between jacks and the load to be lifted, to utilize full stroke of 10 mm.



NOTE:

- Due to designed compact or complex there is no top nut to stop stroke limit of ram, someone has to monitor the stroke while lifting, since there would be a chance that the ram could come out from jack or cylinder, which could cause an unexpected accident and failure of jack. Place a rigid base below the jack
- HE-VPS Series – HE: HEMS, V: Very small, P: Plain Rod, S: Single acting return, 20: Capacity – ton, 10: Stroke – mm



SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cyl Bore ID	"D" Ram Dia	wt. Approx in Kg
HE-VPS 20-10	35	218	10	31.2	32	100.02	63	62.95	2.6
HE-VPS 30-10	40	310	10	44.2	44	110.02	75	74.95	3.7
HE-VPS 50-10	50	551	10	78.5	79	140.02	100	99.95	7.5
HE-VPS 100-10	60	1078	10	153.9	154	180.02	140	139.95	15.8
HE-VPS 150-10	75	1590	10	227.0	227	220.02	170	169.95	24.2
HE-VPS 200-10	80	2200	10	314.2	315	255.02	200	199.95	34.0
HE-VPS 300-10	90	3167	10	452.2	453	310.02	240	239.95	54.0

INDUSTRIAL JACK

HE-FS SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Flat Jack - Plain ram
Spring Return - Single Acting

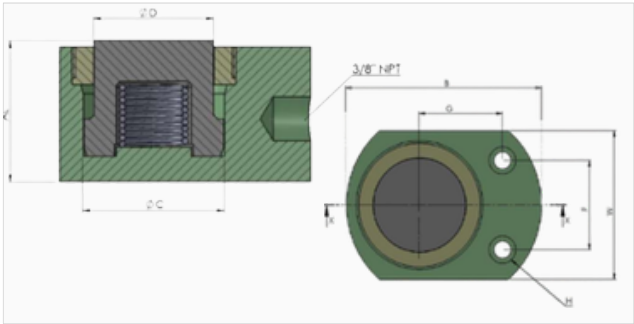
ADVANTAGES / FEATURES

- Compact, flat design, ideally suited where clearance is minimum for insertion of jack.
- Mounting Holes for easy fixturing
- Stacking plate to increase closed height is optional.
- Hard-chrome-plated ram to resist scoring and corrosion.
- High-pressure oil seals are used.
- Heavy equipment lifting, alignment and clamping. Ensure no gap between the jack and the load to be lifted, to utilize full stroke.

NOTE:

- Customized Tonnage and strokes are manufactured as per customer requirement.
- Capacity and Stroke specified are under safety factors.
- While using please read the instructions/manual.
- Use at 75% of rating as safe practice





SPECIFICATIONS

Model	Mounting Hole Location (in mm)		
	"F"	"G"	Thru Hole "H"
HE-FS 20 - 12	50	40	8.5
HE-FS 30 - 12	55	45	10.5
HE-FS 50 - 16	75	55	11
HE-FS 75 - 16	85	70	13
HE-FS 100 - 16	90	80	13
HE-FS 150 - 16	110	95	13
HE-FS 200 - 16	130	105	17

SPECIFICATIONS

Model	"A" Close Height	Cap. in kN	Stroke in mm	Effective Area in cm2	Oil Cap in cc	"B" Cylinder OD	"W" A/F in mm	"C" Cyl Bore ID	"D" Rod Dia	wt. Approx in Kg
HE-FS 20-12	55	217	12	31.2	21.0	100.02	80.02	63	50.02	3.5
HE-FS 30-12	58	310	12	44.2	51.0	115.02	95.02	75	60.02	4.6
HE-FS 50-12	65	551	16	78.2	126.2	140.02	120.02	100	70.02	6.2
HE-FS 75-12	80	794	16	113.1	180.4	175.02	145.02	120	85.02	11.8
HE-FS 100-12	85	1078	16	153.9	247.3	190.02	165.02	140	100.02	15.1
HE-FS 150-12	100	1590	16	227.0	363.0	230.02	205.02	170	120.02	27.0
HE-FS 200-12	115	2200	16	304.2	454.0	454.0	230.02	190	140.02	40.7

INDUSTRIAL JACK

HE-LS SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

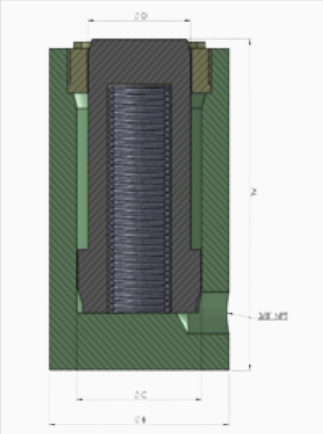
HEMS Low Height Jack - Plain ram Spring Return - Single Acting

APPLICATION

HE-LS Series - These Jacks are designed specially where space is a constraint Ideally used. where no other jack will fit for lifting, lowering, spreading of structures, bridges, heavy machinery etc.

ADVANTAGES / FEATURES

- Compact design, heat treated alloy steel for better life.
- Ram Hard chrome-plated to resist scoring & corrosion.
- These jacks are designed specifically where space is a constraint.
- Ideally used where no other cylinders will fit for lifting.
- Grooved ram ends to support load at the midpoint.
- High pressure oil seals to increase long life. Ram wiper protects cylinder from entering dirt & foreign material which extends cylinder life.
- Bottom holes for mounting, which helps to fix the jack anywhere are provided upon request.
- Connection Port size 3/8" NPT.



NOTE:

- Capacity and Stroke specified are under safety factors.
- Customized Tonnage and Strokes are manufactured as per customer requirement.
- While using please read the instructions/manual.
- Use at 75% of rating as safe practice.



SPECIFICATIONS

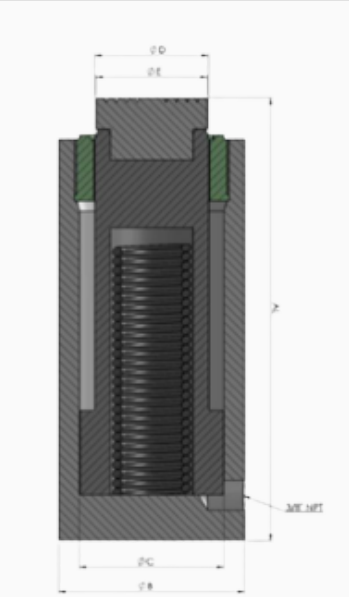
Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cyl Bore ID	"D" Rod Dia	wt. Approx in Kg
HE-LS 20-50	110	217	50	31.2	160.2	90.02	63	49.95	4.9
HE-LS 30-50	110	310	60	44.2	221.1	100.02	75	59.95	6.2
HE-LS 50-60	122	551	60	78.2	472.0	130.02	100	79.95	11
HE-LS 75-60	138	792	60	113.1	679.2	155.02	120	94.95	18.4
HE-LS 100-60	142	1078	60	153.9	925.2	180.02	140	109.95	23.6
HE-LS 150-60	175	1590	60	227.0	1362.0	220.02	170	139.95	43
HE-LS 200-60	200	2200	60	314.2	1885.1	255.02	200	159.95	66

INDUSTRIAL JACK

HE-PS SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS General Purpose Jack - Plain ram Spring Return - Single Acting





Application

Maintenance, positioning, bending, pressing, and production at construction sites, shipyards, power plants, etc.

Advantages/Features

- Multipurpose jack used in horizontal and vertical positions.
- Hard chrome-plated ram and high-pressure long-life seals.
- Ram wiper for cylinder protection.
- Optional bottom mounting holes, collar threading, and tilting saddle.

SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cyl Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-PS 20-100	210	217	100	31.2	314	85.02	63	50.02	50	6.7
HE-PS 20-150	260	217	150	31.2	470	85.02	63	50.02	50	8.2
HE-PS 25-100	220	270	100	38.2	387	95.02	70	55.02	55	9.0
HE-PS 25-150	270	270	150	38.2	579	95.02	70	55.02	55	10.8
HE-PS 30-100	220	310	100	44.2	444	105.02	75	60.02	60	11.4
HE-PS 30-150	270	310	150	44.2	665	105.02	75	60.02	60	13.7
HE-PS 50-100	235	550	100	78.5	787	135.02	100	80.02	80	20.6
HE-PS 50-150	285	550	150	78.5	1180	135.02	100	80.02	80	24.6

INDUSTRIAL JACK

HE-PS SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS General Purpose Jack- Plain ram
Spring Return- Single Acting

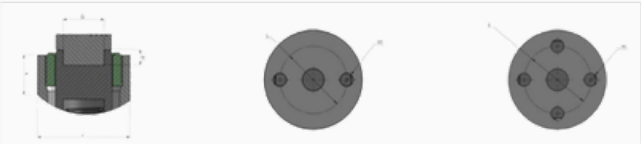
SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-PS 75-100	250	793	100	113.1	1133	156.02	120	95.02	95	29.8
HE-PS 75-150	300	793	150	113.1	1696	156.02	120	95.02	95	35.2
HE-PS 100-100	265	1077	100	153.9	1542	185.02	140	110.02	110	40.9
HE-PS 100-150	315	1077	150	153.9	2313	185.02	140	110.02	110	48.2
HE-PS 150-100	275	1589	100	227.0	2275	225.02	170	140.02	140	65.6
HE-PS 150-150	325	1589	150	227.0	3410	225.02	170	140.02	140	77.2
HE-PS 200-100	290	2200	100	314.2	3145	258.02	200	160.02	158	91.6
HE-PS 200-150	340	2200	150	314.2	4712	258.02	200	160.02	158	106.5
HE-PS 250-100	295	2661	100	380.1	3820	285.02	220	180.02	180	114
HE-PS 250-150	345	2661	150	380.1	5710	285.02	220	180.02	180	133
HE-PS 300-100	310	3167	100	452.4	4535	315.02	240	200.02	195	148.9
HE-PS 300-150	360	3167	150	452.4	6795	315.02	240	200.02	195	172
HE-PS 400-100	330	4008	100	572.6	5734	355.02	270	220.02	205	209
HE-PS 400-150	380	4008	150	572.6	8588	355.02	270	220.02	205	240
HE-PS 500-100	350	4948	100	706.9	7069	400.02	300	250.02	230	270
HE-PS 500-150	400	4948	150	706.9	10630	400.02	300	250.02	230	300

INDUSTRIAL JACK

HE-PS-T SERIES

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SPECIFICATIONS

Model	"G" Ram Internal Threading	"H" Threading Depth	"J" Collar Threading	"K" C T Length	"M" Bottom Mounting Holes & PCD	"M" Bottom Threading Size	Threaded Depth
HE-PS-T 20	M22 X 2P	25	M80 X 2P	35	55 X 2	M8	16
HE-PS-T 25	M24 X 2P	25	M90 X 2P	40	60 X 2	M10	16
HE-PS-T 30	M30 X 2P	25	M100 X 2P	40	65 X 2	M10	16
HE-PS-T 50	M42 X 2P	25	M130 X 2P	40	90 X 2	M10	16
HE-PS-T 75	M48 X 2P	25	M155 X 2P	40	110 X 2	M10	16
HE-PS-T 100	M48 X 2P	25	M180 X 2P	40	125 X 4	M10	16
HE-PS-T 150	M82 X 2P	25	M220 X 2P	50	150 X 4	M16	18
HE-PS-T 200	M90 X 2P	25	M225 X 2P	50	180 X 2	M16	22

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HE-PS-S SERIES

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HEMS General Purpose Jack-Plain ram Spring return-Single Acting, Spherical Saddle

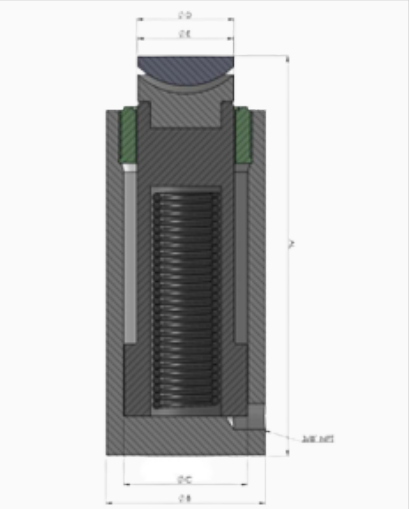
ADVANTAGES/FEATURES

- Heat treated alloy steel body for better life.
- Multipurpose jack for horizontal and vertical positioning.
- Maintenance, Fabrication, Construction, Heavy Industries, Power & Process Plants, Sugar Factories, Cement Factories, etc.
- Hard chrome-plated ram to resist scoring & corrosion.
- Single acting, spring return for smooth return.
- High-pressure long-life seals. Ram wiper protects dirt & foreign material entering cylinder which extends cylinder life.
- Bottom mounting holes, collar threading & tilting saddle are provided on request.
- Connection Port size 3/8-inch NPT.
- Refer Power Pack Page for more details.

APPLICATION

These jacks are an excellent choice for maintenance, positioning bending, pressing, and production applications. Ideal for a wide range of applications at Construction sites, Automobile, Shipyard, Mills, Railway workshops, Power plants and Industrial maintenance.





SPECIFICATIONS

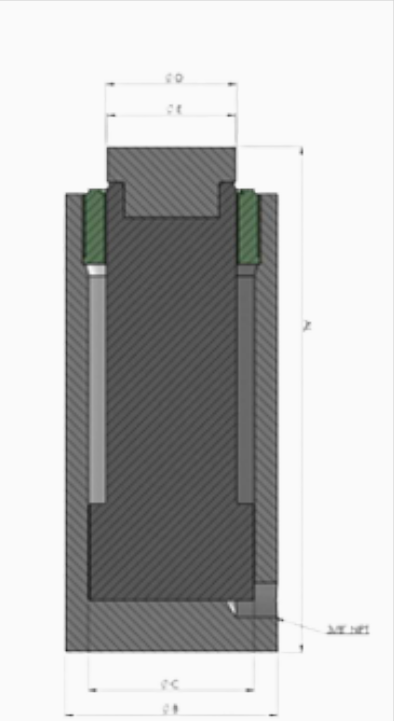
Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-PS-S 20-100	220	217	100	31.2	314	85.02	63	50.02	50	6.7
HE-PS-S 20-150	270	217	150	31.2	470	85.02	63	50.02	50	8.2
HE-PS-S 25-100	230	270	100	38.5	387	95.02	70	55.02	55	9.0
HE-PS-S 25-150	280	270	150	38.5	579	95.02	70	55.02	55	10.8
HE-PS-S 30-100	235	310	100	44.2	444	105.02	75	60.02	60	11.4
HE-PS-S 30-150	285	310	150	44.2	665	105.02	75	60.02	60	13.7
HE-PS-S 50-100	250	550	100	78.5	787	135.02	100	80.02	80	20.6
HE-PS-S 50-150	300	550	150	78.5	1180	135.02	100	80.02	80	24.6
HE-PS-S 75-100	265	793	100	113.1	1133	156.02	120	95.02	95	29.8
HE-PS-S 75-150	315	793	150	113.1	1696	156.02	120	95.02	95	35.2
HE-PS-S 100-100	265	1077	100	153.9	1542	185.02	140	110.02	110	40.9
HE-PS-S 100-150	315	1077	150	153.9	2313	185.02	140	110.02	110	48.2
HE-PS-S 150-100	285	1589	100	227.0	2275	225.02	170	140.02	140	65.6
HE-PS-S 150-150	335	1589	150	227.0	3410	225.02	170	140.02	140	77.2
HE-PS-S 200-100	305	2200	100	314.2	3415	258.02	200	160.02	158	91.6
HE-PS-S 200-150	355	2200	150	314.2	4712	258.02	200	160.02	158	106.5
HE-PS-S 250-100	315	2661	100	380.1	3820	285.02	220	180.02	180	114
HE-PS-S 250-150	365	2661	150	380.1	5710	285.02	220	180.02	180	133
HE-PS-S 300-100	335	3167	100	452.4	4535	315.02	240	200.02	195	148.9
HE-PS-S 300-150	395	3167	150	452.4	6795	315.02	240	200.02	195	172
HE-PS-S 400-100	370	4008	100	572.6	5734	355.02	270	220.02	205	209
HE-PS-S 400-150	420	4008	150	572.6	8588	355.02	270	220.02	205	240
HE-PS-S 500-150	380	4948	150	706.9	10630	400.02	300	250.02	230	335.5
HE-PS-S 500-200	430	4948	200	706.9	14137	400.02	300	250.02	230	376

INDUSTRIAL JACK

HE-PL-S SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Plain ram - Load Return Single Acting, Spherical Saddle





FEATURES /ADVANTAGES

- Load return. Single acting, Plain Ram.
- Cylinder is honed to a surface finish of 0.5 microns.
- Alloy steel heat treated.
- Bottom mounting holes are provided for fixing upon request.
- High-pressure oil seals for extended service life. Ram wiper protects entering dirt and foreign material into the cylinder which extends cylinder life.
- Long lifting handles are provided for easy lifting at site.
- Connection Port 3/8" NPT.

SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-PL-S 600-100	400	5987	100	855.3	855.3	430.02	330	275.02	260	365
HE-PL-S 600-150	450	5987	150	855.3	855.3	430.02	330	275.02	260	412
HE-PL-S 800-100	410	7938	100	1134.1	11341	506.02	380	310.02	290	540
HE-PL-S 800-150	460	7938	150	1134.1	17012	506.02	380	310.02	290	610
HE-PL-S 1000-100	540	9929	100	1418.6	14186	560.02	425	350.02	330	729
HE-PL-S 1000-150	590	9929	150	1418.6	21279	560.02	425	350.02	330	809

INDUSTRIAL JACK

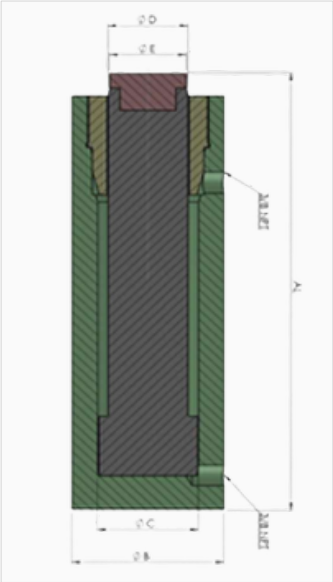
HE-PD SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Plain ram - Oil Return- Double Acting

FEATURES /ADVANTAGES

- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- Suits general lifting and push-pull applications.
- High-pressure long-life seals. Ram wiper protects inner cylinder from dirt which extends cylinder life.
- Relief valve protects against over-pressurisation.
- Bottom mounting holes, collar threading are provided on request.
- Connection Port size 3/8-inch NPT.
- Custom strokes are also available





SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-PD 20-150	310	217	150	31.2	468	97.02	63	50	48	14
HE-PD 25-150	315	270	150	38.5	577	97.02	70	55	53	14.3
HE-PD 30-150	320	310	150	44.2	663	105.02	75	55	53	15.6
HE-PD 50-150	330	550	150	78.5	1178	135.02	100	70	67	26.3
HE-PD 75-150	340	793	150	113.1	1696	155.02	120	90	87	38.5
HE-PD 100-150	350	1077	150	153.9	2309	185.02	140	110	106	53.5
HE-PD 150-150	360	1589	150	227.0	3405	218.02	170	140	137	84
HE-PD 200-150	380	2200	150	314.2	4712	255.02	200	150	146	116
HE-PD 250-150	390	2661	150	380.1	5702	280.02	220	180	177	148
HE-PD 300-150	415	3167	150	452.4	6786	310.02	240	180	177	181
HE-PD 400-150	435	4008	150	572.6	8588	350.02	270	220	216	225
HE-PD 500-150	475	4948	150	706.9	9990	400.02	300	250	240	445

INDUSTRIAL JACK

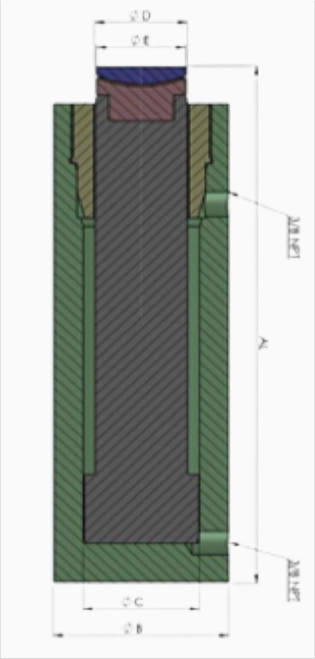
HE-PD-S SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Plain ram - Oil Return- Double Acting, Spherical Saddle

FEATURES /ADVANTAGES

- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty applications.
- Spherical saddle tilt angle max 5 degree.
- High-pressure long-life Oil seals. Ram wipers protect inner cylinder from dirt, which extends cylinder life.
- Relief valve protects against over pressurizing while in return position.
- Bottom mounting holes, collar threading are provided on request.
- Grooved Spherical saddle for adequate gripping.





SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-PD-S 20-150	340	217	150	31.2	468	97.02	63	50	48	14
HE-PD-S 25-150	345	270	150	38.5	577	97.02	70	55	53	14.3
HE-PD-S 30-150	350	310	150	44.2	663	105.02	75	55	53	15.6
HE-PD-S 50-150	360	550	150	78.5	1178	135.02	100	70	67	26.3
HE-PD-S 75-150	370	793	150	113.1	1696	155.02	120	90	87	38.5
HE-PD-S 100-150	390	1077	150	153.9	2309	185.02	140	110	106	53.5
HE-PD-S 150-150	410	1589	150	227.0	3405	218.02	170	140	137	84
HE-PD-S 200-150	420	2200	150	314.2	4712	255.02	200	150	146	116
HE-PD-S 250-150	430	2661	150	380.1	5702	280.02	220	180	177	148
HE-PD-S 300-150	450	3167	150	452.4	6786	310.02	240	180	177	181
HE-PD-S 400-150	480	4008	150	572.6	8588	350.02	270	220	216	255
HE-PD-S 500-150	500	4948	150	706.9	10603	400.02	300	250	240	370
HE-PD-S 600-150	540	5987	150	855.3	12829	430.02	330	270	260	460
HE-PD-S 800-150	600	7938	150	1134.1	17012	505.02	380	300	290	660
HE-PD-S 1000-150	640	9930	150	1418.6	17012	560.02	425	350	340	900

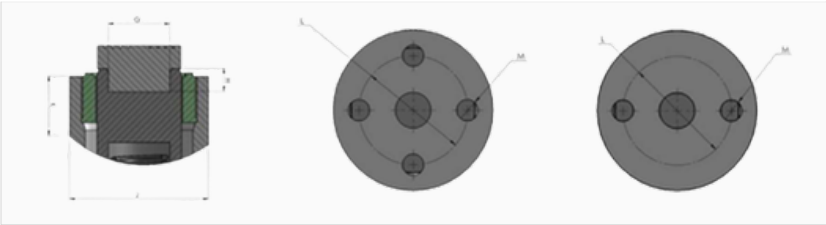
HEMS
HEAVY EQUIPMENT MAINTENANCE SOLUTIONS LIMITED

BRITISH ENGINEERING. TRUSTED GLOBALLY
KEEP YOUR EARTH MOVING MACHINERY MOVING

INDUSTRIAL JACK

HE-PS-ST SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Model	"G" Ram Internal Threading	"H" Threading Depth	"J" Collar Threading	"K" C T Length	"L" Bottom Mounting Holes & PCD	"M" Bottom Threading Size	Threaded Depth
HE-PS-ST 20	M22 X 2P	25	M80 x 2P	35	55 X 2	M8	12
HE-PS-ST 25	M24 X 2P	25	M90 x 2P	40	60 X 2	M10	16
HE-PS-ST 30	M30 X 2P	25	M100 x 2P	40	65 X 2	M10	16
HE-PS-ST 50	M42 X 2P	25	M130 x 2P	40	90 X 2	M10	16
HE-PS-ST 75	M48 X 2P	25	M155 x 2P	40	110 X 2	M10	16
HE-PS-ST 100	M48 X 2P	25	M180 x 2P	40	125 X 4	M12	16
HE-PS-ST 150	M82 X 2P	25	M220 x 2P	50	150 X 4	M16	18
HE-PS-ST 200	M90 X 2P	25	M255 x 2P	50	180 X 2	M16	22

INDUSTRIAL JACK

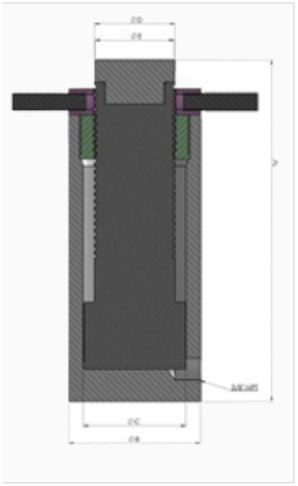
HE-TL-S SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Threaded ram with Lock nut Load Return - Single Acting, Spherical Saddle

FEATURES /ADVANTAGES

- Suits heavy lifting.
- Sustained load holding with lock nut in vertical and horizontal directions.
- Spherical saddle helps protect the jack from off-centre loads.





SPECIFICATIONS

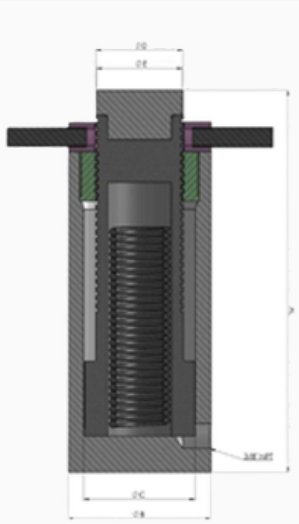
Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-TL-S 600-100	500	550	100	855.3	12100	450	330	275	260	560
HE-TL-S 600-150	550	793	150	855.3	12829	450	330	275	260	590
HE-TL-S 800-100	520	1077	100	1134.1	16790	530	380	310	290	685
HE-TL-S 800-150	570	1598	150	1134.1	17012	530	380	310	290	750
HE-TL-S 1000-100	550	2200	100	1418.6	21100	590	425	350	330	1080
HE-TL-S 1000-150	600	2661	150	1418.6	21279	590	425	350	330	1166

INDUSTRIAL JACK

HE-TS SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Threaded ram with Lock nut Load Return - Single Acting, Plain Saddle





FEATURES /ADVANTAGES

- Cylinder is honed to a surface finish of 0.5 microns.
- Load return. Single acting, Threaded Ram, Safety Lock Nut. Alloy steel heat treated.
- Bottom mounting holes are provided for fixing. (Optional)
- High pressure seals for better life.
- Long lifting handles are provided for easy lifting at site.
- Connection Port 3/8" NPT.

SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-TS 20-150	280	217	150	31.2	470	85.02	63	55	50	9
HE-TS 25-150	300	270	150	38.5	579	95.02	70	60	55	11
HE-TS 30-150	300	310	150	44.2	665	105.02	75	65	60	15
HE-TS 50-150	315	550	150	78.5	1180	135.02	100	80	80	27
HE-TS 75-150	330	793	150	113.1	1696	156.02	120	95	95	39
HE-TS 100-150	350	1077	150	153.9	2313	185.02	140	120	110	59
HE-TS 150-150	365	1589	150	227.0	3410	225.02	170	140	140	97.5
HE-TS 200-150	380	2200	150	314.2	4712	258.02	200	160	158	132
HE-TS 250-150	395	2661	150	380.1	5710	285.02	220	180	180	164
HE-TS 300-150	410	3167	150	452.4	6795	315.02	240	200	195	212.4
HE-TS 400-150	450	4008	150	572.6	8588	355.02	270	220	210	305
HE-TS 500-150	475	5109	150	714.2	10955	405.02	300	250	240	350

INDUSTRIAL JACK

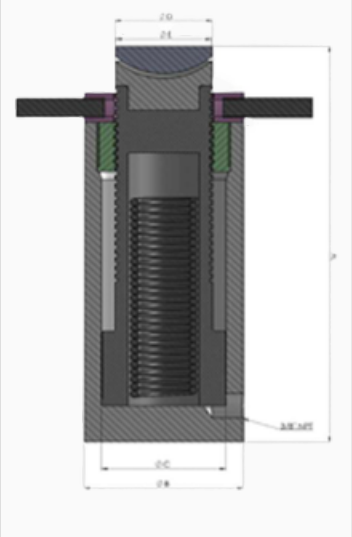
HE-TS-S SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Threaded ram with Lock nut Load Return - Single Acting, Spherical Saddle

FEATURES /ADVANTAGES

- Cylinder is honed to a surface finish of 0.5 microns.
- Spherical saddle tilt angle max 5
- Bottom mounting holes are provided for bolting.
- Connection Port 3/8" NPT.
- Long lifting handles are provided for easy lifting at site.
- Cylinder Body Hard chrome plated to avoid Scoring and Corrosion. Ram black bodies.
- Lock Nut for safety purpose to sustain load on lock nut for long time.
- High pressure Oil seals for better life.
- Alloy steel heat treated body for better life.





SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-TS-S 20-150	290	217	150	31.2	470	85.02	63	50.02	50	9
HE-TS-S 25-150	300	270	150	38.5	579	95.02	70	55.02	55	11.5
HE-TS-S 30-150	310	310	150	44.2	665	105.02	75	60.02	60	15
HE-TS-S 50-150	320	550	150	78.5	1180	135.02	100	80.02	80	27
HE-TS-S 75-150	335	793	150	113.1	1696	156.02	120	95.02	95	39
HE-TS-S 100-150	375	1077	150	153.9	2313	185.02	140	110.02	110	54
HE-TS-S 150-150	395	1589	150	227.0	3410	225.02	170	140.02	140	87.5
HE-TS-S 200-150	410	2200	150	314.2	4712	258.02	200	160.02	158	122
HE-TS-S 250-150	425	2661	150	380.1	5710	285.02	220	180.02	175	170
HE-TS-S 300-150	470	3167	150	452.4	6795	315.02	240	200.02	190	215
HE-TS-S 400-150	470	4008	150	572.6	8588	355.02	270	220.02	210	298
HE-TS-S 500-150	505	4948	150	706.5	10603	400.02	300	250.02	230	410

INDUSTRIAL JACK

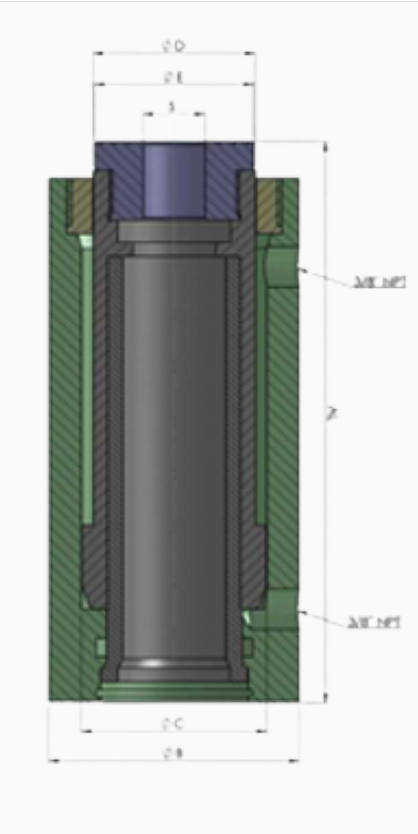
HE-HS SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Hollow Plain ram Spring Return- Single Acting

FEATURES /ADVANTAGES

- Removal & Assembly of pins, bushes, bearings, Sprockets, Gears & General Maintenance.
- Speed Nuts, Speed Nut Handles, Threaded Saddle, Plain Saddle Centre Screw, etc. can be provided as optional accessories.
- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty applications.
- High-pressure long-life seals. Ram wiper protects inner cylinder from dirt which extends cylinder life.
- Fast & complete ram retraction.
- Bottom mounting holes, collar threading are provided on request.
- Connection Port size 3/8-inch NPT.





SPECIFICATIONS

Model	Cap. (Ton)	Cap. (kN)	Stroke in mm	"A" Close Height	Effective Area in Cm2	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"S" Hole Dia	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-HS 20-100	20	231	100	195	33.0	330	105	85	28	75	73	13.5
HE-HS 30-100	30	298	100	200	42.6	426	115	95	34	80	78	16
HE-HS 50-100	50	550	100	220	78.5	785	150	125	42	100	97	27
HE-HS 60-100	60	605	100	250	86.4	864	165	135	54	110	107	35
HE-HS 100-100	100	990	100	265	141.4	1414	215	180	77	150	146	62

SPECIFICATIONS

Model	Ram Internal Threading	Thread Depth	Collar Threads	Length	PCD x No. Of Holes	Bottom Thread Size	Thread Depth (Bottom)
HE-HS-20	M56 X 2P	23	M105 X 2P	36	85 X 2	M10	17
HE-HS-30	M64 X 2P	30	M115 X 2P	40	90 X 2	M10	17
HE-HS-50	M80 X 2P	30	M150 X 3P	40	125 X 2	M12	18
HE-HS-60	M90 X 2P	33	M165 X 3P	45	135 X 2	M12	20
HE-HS-100	M120 X 2P	40	M215 X 3P	50	180 X 2	M16	24

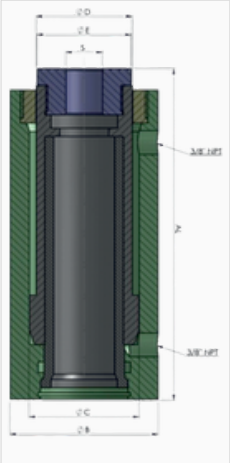
INDUSTRIAL JACK

HE-HD SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED

HEMS Hollow Plain ram Oil Return- Double Acting

FEATURES /ADVANTAGES





- Removal & Assembly of pins, Bushes, bearings, Sprockets, Gears & General Maintenance.
- Speed Nuts, Speed Nut Handles, Threaded Saddle, Plain Saddle Centre Screw, Etc. can be provided as optional accessories.
- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- Suitable for use as bar jacks in prestressing applications on construction sites.
- Provides force in advance & return cycles.
- High-pressure long-life seals. Ram wiper protects inner cylinder from dirt, which extends cylinder life.
- Relief valve protects against over pressurizing.
- Fast & Complete ram retraction.
- Bottom mounting holes, collar threading & Spherical saddle are provided on request.
- Connection Port size 3/8-inch NPT.

APPLICATION

These jacks are designed to provide oil force in both the advance and retraction of ram, in vertical & horizontal position, where cycle time is crucial. These are mainly used for hydraulic testing machine and for lifting, lowering, spreading of structures, bridges, heavy machinery, etc.

SPECIFICATIONS

Model	"A" Close Height	Cap. in (kN)	Stroke in mm	Area in Cm2	Oil Cap in cc	"B" Cyl OD	"C" Cyl Bore ID	"S" Hole Dia	"D" Rod Dia	"E" Saddle Dia	wt. Approx in Kg
HE-HD-20-150	310	202	150	28.9	438	100	70	27	60	58	17.0
HE-HD-30-150	320	309	150	44.2	663	130	85	33	63	67	27
HE-HD-50-150	330	528	150	75.2	754	170	110	42	95	87	45
HE-HD-60-150	350	641	150	91.6	1560	190	125	54	120	97	69
HE-HD-80-150	360	845	150	122.1	1840	205	140	62	130	110	84
HE-HD-100-150	370	1093	150	156.1	2310	210	170	77	130	127	104

SPECIFICATIONS

Jack Ton	Hand Pump Used
20	PHHP-7 DCV
25, 30	PHHP-7 DCV
50	PHHP-7 DCV
75, 100, 150	PHHP-13 DCV
200	PHHP-13 DCV

- Specifications are subject to change due to continual improvement.
- Higher capacity and customized solution on request.
- Capacity and stroke specified are maximum safe limits. Use at 80% of rating as safe practice

HAND PUMPS

HE-HP SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Pump Stage	Model	Pressure (bar)	Oil Displacement (cc/stroke)	Oil Tank Capacity (L)	Usable Oil Volume (L)	Handle Force (kg)
Single Speed	HE-HP12/2-2	700	2.8	2	1.4	40
Single Speed	HE-HP12/2-3	700	2.8	3	2.4	40
Double Speed	HE-HP-5012/5	30 / 700	49 / 2.8	5	3.8	40
Double Speed	HE-HP-5012/7	30 / 700	49 / 2.8	7	6.4	40
Double Speed	HE-HP-5012/13	30 / 700	49 / 2.8	13	9	40
Double Speed	HE-HP-5012/7-DCV	30 / 700	49 / 2.8	7	6.4	40
Double Speed	HE-HP-5012/13-DCV	30 / 700	49 / 2.8	13	9	50

NOTE:

- Single-speed pumps are generally used with 10–30T jacks and deliver oil continuously.
- Double-speed pumps are generally used above 30T and deliver oil in two stages.

HYDRAULIC DISTRIBUTION BLOCKS

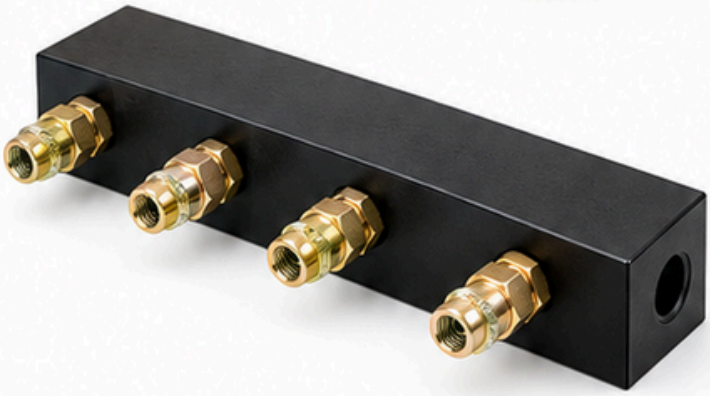
HE-DB SERIES

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SPECIFICATIONS

Distributor Block	Model No.	Description	Type	End Connection
DB	DB1/2P09	1/2 – 1 Inlet x 2 Outlet	P – Plain	09 – 3/8" NPT (Female)
DB	DB1/4P09	1/4 – 1 Inlet x 4 Outlet	P – Plain	09 – 3/8" NPT (Female)
DB	DB1/2P09	1/2 – 1 Inlet x 2 Outlet	S – Shutoff valve	09 – 3/8" NPT (Female)
DB	DB1/4P09	1/4 – 1 Inlet x 4 Outlet	S – Shutoff valve	09 – 3/8" NPT (Female)
DB	DB1/5P09	1/5 – 1 Inlet x 5 Outlet	S – Shutoff valve	09 – 3/8" NPT (Female)
DB	DB1/6P09	1/6 – 1 Inlet x 6 Outlet	S – Shutoff valve	09 – 3/8" NPT (Female)
DB	DB2/4P09	2/4 – 2 Inlet x 4 Outlet*	S – Shutoff valve	09 – 3/8" NPT (Female)

HIGH / LOW PRESSURE HOSES

HE-HH SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED





SPECIFICATIONS

Hose Pipe	Material	Pressure	End Connection	Safety Ratio	Cover	Colour
HH	T – Thermoplastic R – Rubber	05 – 700 bar	01 – 1/4" BSP FSN 02 – 3/8" BSP FSN 03 – 1/4" NPT (M) 04 – 3/8" NPT (M)	1 – 2:1 2 – 4:1	F – Full Spring Cover S – Short Spring Cover N – No Spring Cover	R – Red B – Blue BK – Black
HH	R1 – Rubber	XX – 50, 63, 88, 105, 160, 180, 225	01 – 1/4" BSP FSN 02 – 3/8" BSP FSN 03 – 1/4" NPT (M) 04 – 3/8" NPT (M)	1 – 2:1	No Spring Cover	
HH	R2 – Rubber	XX – 90, 125, 165, 215, 276, 330, 400	01 – 1/4" BSP FSN 02 – 3/8" BSP FSN 03 – 1/4" NPT (M) 04 – 3/8" NPT (M)	1 – 2:1	N – No Spring Cover	BK – Black

NOTE:

Longer lengths and all kinds of end fittings are available.

QUICK CHANGE COUPLERS

HE-HQCC SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED





Type	Model / Description	Dust Caps	Pressure / Application
HQCC	0409 – 3/8" NPT (M) x 3/8" NPT (F) Std Set	YES	700 bar For Jacks
	04FH – 3/8" NPT (M) Female Half		
	09MH – 3/8" NPT (F) Male Half		
HQCC	0606 – 1/4" BSP (F) x 1/4" BSP (F) Std Set	NO	350 bar For Cylinders
	06FH – 1/4" BSP (F) Female Half		
	06MH – 1/4" BSP (F) Male Half		

HOSE ADAPTORS

HE-HHA SERIES

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SPECIFICATIONS

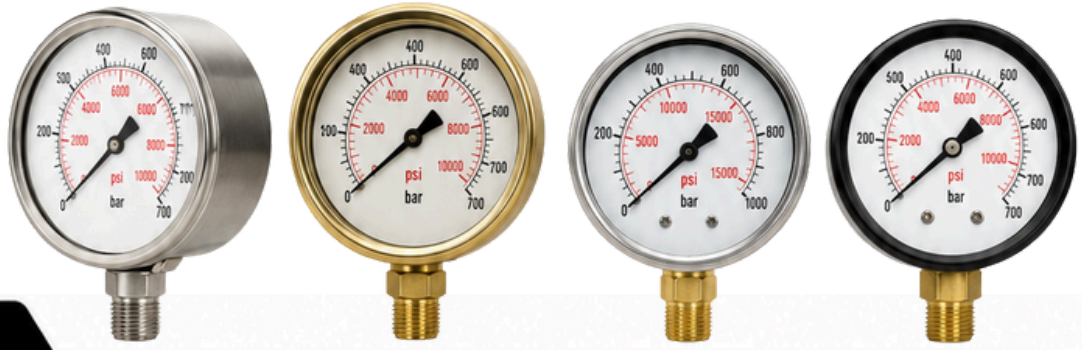
Hose Adaptor	End Connection	Pressure
HHA	1/4" BSP (M) x 3/8" BSP (M)	700 bar
HHA	3/8" NPT (M) x 3/8" BSP (M)	
HHA	1/4" BSP (M) x 1/4" BSP (M)	
HHA	3/8" BSP (M) x 3/8" BSP (M)	
HA	1/4" NPT (M) x 3/8" NPT (M)	
HA	3/8" NPT (M) x 3/8" NPT (M)	



PRESSURE GAUGES ACCESSORIES

HE-HG SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Gauge	Dial Diameter	Range	End Connection
HG	1-63	07 – 700 bar	03B – 1/4" BSP (M) 03 – 1/4" NPT (M)
HG	1-63	10 – 1000 bar	03 – 1/4" NPT (M)
HG	2-100	07 – 700 bar	03B – 1/4" BSP (M)
HG	2-100	10 – 1000 bar	08B – 1/2" BSP (M) 03 – 1/4" NPT (M) 08 – 1/2" NPT (M)