

Universal Bearing Attachments

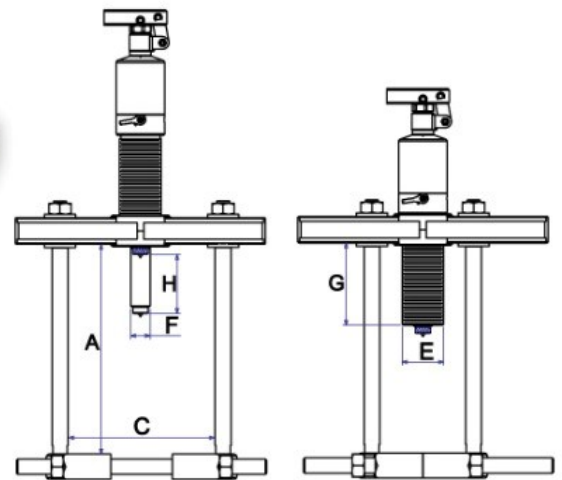
Cross Bearing Pullers

POWERRAM
HYDRAULIC TOOLS



FEATURES

- Forged of high strength steel alloy.
- Heat treated, Chrome plated for rust proof and durable life.
- Wedge-shaped edges allow removal of the most hard-to-grip components.
- Cross bearing pullers are easy to be applied on the most difficult parts for fast and efficient removal.



TECHNICAL DATA - Cross Bearing Pullers

Model No.	Capacity (Ton)	Reach (Max. mm) A	Spread (Max. mm) C	Stroke (mm) H	Pump Tip (mm)		
					E	F	G
PM410	4	224	145	60	42	22	84
PM610	6	255	220	70	45	23	90
PM810	8	255	230	85	50	25	122
PM1210	12	298	310	85	60	28	115

* Including the hydraulic pump body and bearing attachment.

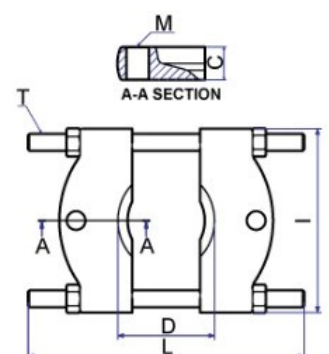
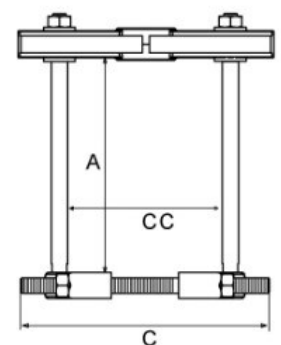
TECHNICAL DATA - Accessory Set

Model No.	Capacity (Ton)	A (mm)	D (mm) Min-Max	C (mm)	CC (mm) Min-Max	Thread (inch)	Bearing Attachment	Weight (kgs)
P412	4	224	12 - 70	163	100 - 145	1/2"- 13UNC	YC9015	6.5
P612	6	255	28 - 150	260	115 - 220	5/8"- 11UNC	YC9025	10.5
P812	8	255	28 - 150	260	110 - 230	5/8"- 11UNC	YC9025	10.5
P1212	12	298	20 - 200	360	140 - 310	3/4"- 10UNC	YC9035	11.5

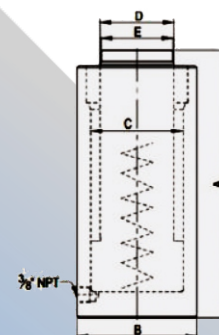
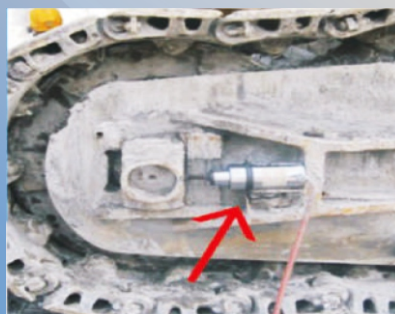
* Excluding the hydraulic pump body.

TECHNICAL DATA - Bearing Attachments

Model No.	D Min - Max (mm)	C (mm)	L (mm)	I (mm)	ØT (inch)	ØM (inch)	Weight (kgs)
YC9005	5-60	17	120	92	3/8-24UNF	3/8-16UNC	0.7
YC9010	15-60	20	135	130	1/2-20UNF	3/8-16UNC	1.5
YC9015	12-70	27	165	156	5/8-18UNF	1/2-12UNC	2.5
YC9025	28-150	33	275	207	3/4-16UNF	5/8-11UNC	5.5
YC9035	20-200	38.5	350	240	1-14UN	3/4-10UNC	11
YC9035A	20-200	38.5	350	240	1-14UN	1-14UN	11



EXP SERIES (PLAIN RAM) GENERAL PURPOSE JACK



FEATURES / APPLICATION

- Single Acting Spring Return Upto 500 Tons.
- Best used in Maintenance, fabrication, construction, Heavy industries, power & process plants, shipyards.
- Compatible with all reputed brands pumping units.
- Gland Nut designed to withstand dead end load.
- Base mounting holes & collar threads are optional.
- Used in horizontal and vertical directions.
- Refer to anatomy for all VANKOS-HYD jacks.

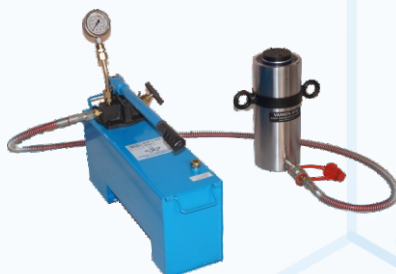
CAPACITY 5 - 400 TON | STROKE 50-200 MM | MAX. WORKING PRESSURE 700 BAR

Rated Capacity (Ton)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	"A" Closed Height (mm)	"B" Cylinder OD (mm)	"C" Bore Dia (mm)	"D" Ram Dia (mm)	"E" Saddle Dia (mm)	Wt Approx (kg)
5	50	RC-EXP-5/50	8.0	40	135	45	32	25	25	1.5
5	100	RC-EXP-5/100	8.0	80	185	45	32	25	25	1.9
5	150	RC-EXP*5/150	8.0	121	235	45	32	25	25	2.4
10	50	RC-EXP-10/50	15.9	80	135	60	45	35	35	2.5
10	100	RC-EXP-10/100	15.9	159	185	60	45	35	35	3.2
10	150	RC-EXP-10/150	15.9	239	235	60	45	35	35	4
15	50	RC-EXP-15/50	23.8	119	140	70	55	45	43	4.1
15	100	RC-EXP-15/100	23.8	238	190	70	55	45	43	5.2
15	150	RC-EXP-15/150	23.8	356	240	70	55	45	43	6.3
15	200	RC-EXP-15/200	23.6	475	290	70	55	45	43	7.4
20	50	RC-EXP-20/50	31.2	156	145	80	63	50	48	5.3
20	100	RC-EXP-20/100	31.2	312	195	80	63	50	48	6.7
20	150	RC-EXP-20/150	31.2	468	245	80	63	50	48	8.1
20	200	RC-EXP-20/200	31.2	623	295	80	63	50	48	9.5
25	50	RC-EXP-25/50	38.5	192	155	90	70	55	53	7.2
25	100	RC-EXP-25/100	38.5	385	205	90	70	55	53	9.0
25	150	RC-EXP-25/150	38.5	577	255	90	70	55	53	10.8
25	200	RC-EXP-25/200	38.5	770	305	90	70	55	53	12.6
30	50	RC-EXP-30/50	44.2	221	160	100	75	60	58	9

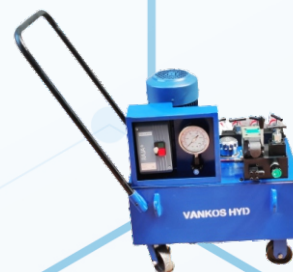
Rated Capacity (Ton)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	"A" Closed Height (mm)	"B" Cylinder OD (mm)	"C" Bore Dia (mm)	"D" Ram Dia (mm)	"E" Saddle Dia (mm)	Wt Approx (kg)
30	100	RC-EXP-30/100	44.2	442	210	100	75	60	58	11.3
30	150	RC-EXP-30/150	44.2	442	260	150	75	60	58	11.3
30	200	RC-EXP-30/200	44.2	884	310	100	75	60	58	15.8
50	50	RC-EXP-50/50	78.5	393	175	130	100	80	78	16.5
50	100	RC-EXP-50/100	78.5	785	225	130	100	80	78	20.5
50	150	RC-EXP-50/150	78.5	1178	275	130	100	80	78	24.5
50	200	RC-EXP-50/200	78.5	1571	325	130	100	80	78	28.5
75	50	RC-EXP-75/50	113.1	565	180	155	120	95	93	24
75	100	RC-EXP-75/100	113.1	1131	230	155	120	95	93	29.5
75	150	RC-EXP-75/150	113.1	1696	280	155	120	95	93	35
75	200	RC-EXP-75/200	113.1	2262	330	155	120	95	93	41
100	100	RC-EXP-100/100	153.9	1539	235	180	140	110	108	40.5
100	150	RC-EXP-100/150	153.9	2309	285	180	140	110	108	48
100	150	RC-EXP-100/50	153.9	770	185	180	140	110	108	33
100	200	RC-EXP-100/200	153.9	3079	335	180	140	110	108	55.5
150	50	RC-EXP-150/50	227.0	1135	200	220	170	140	138	54
150	150	RC-EXP-150/150	227.0	3405	300	220	170	140	138	77
200	50	RC-EXP-200/50	314.2	1571	215	255	200	160	158	76
200	100	RC-EXP-200/100	314.2	3142	265	255	200	160	158	91
200	150	RC-EXP-200/150	314.2	4712	315	255	200	160	158	106.5
250	100	RC-EXP-250/100	380.1	3801	270	280	220	180	177	114
250	150	RC-EXP-250/150	380.1	5702	320	280	220	180	177	133
250	200	RC-EXP-250/200	380.1	7603	370	280	220	180	177	152
300	100	RC-EXP-300/100	452.4	4524	285	310	240	200	196	149
300	150	RC-EXP-300/150	452.4	6786	335	310	240	200	196	173
300	200	RC-EXP-300/200	452.4	9048	385	310	240	200	196	197
400	150	RC-EXP-400/150	572.6	8588	365	350	270	220	216	239
400	200	RC-EXP-400/200	572.6	11451	415	350	270	220	216	269



Jack with single stage pump upto 40 tons



Jack with two stage pump above 50 tons



Power pack for higher capacity Jacks and continues operation

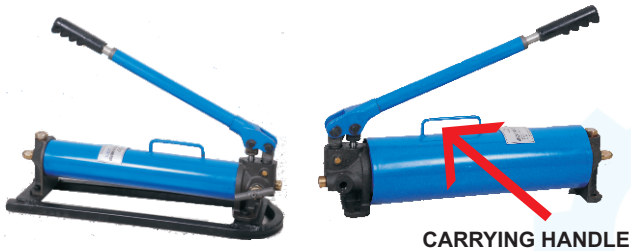
- Higher capacity and customized solutions on request.
- Specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits.
- Use at 80% of rating as safe practice.

Features:

Heavy duty Constructions.
Hardened & Ground Piston.
Light weight & easy to carry with provision of lifting handle.
Integral relief & release valves.
Renewable Delivery, Relief & Release valve parts.
Adjustable Relief valve provided inside the pump for pressure setting.
Collapsible handle for reduce operator fatigue.
1/4" BSP outlet provided for compatibility to all reputed brand Hydraulic tools.



0.5 LTRS HAND PUMP



**HAND PUMP MOUNTED
ON 'U' FRAME**

CARRYING HANDLE

SL	PUMP MODEL	HP -1/P
1	NO.OF PLUNGER	1
2	MAXIMUM PRESSURE PUMP CAN DEVELOP. KG/CM2	700
3	DISCHARGE/STROKE.CC	2.8
4	USED FOR APPLICATIONS	SINGLE ACTING
5	OIL TANK CAPACITY	0.5, 1.2, 3 LTRS
6	WEIGHT (KG) WITHOUT OIL	8.7
7	OTHER PUMP FEATURES	COLLAPSIBLE HAND LEVER



**HAND PUMP WITH
3 LTRS TANK**



**HAND PUMP WITH
7 LTRS TANK**



**DOUBLE ACTING
HAND PUMP**



**GANG JACKING HAND PUMP WITH
INDEPENDENT NEEDLE VALVES**

SL	PUMP MODEL	HP -2A/P	HP -2A/DAP	HP -3012
1	NO.OF PLUNGER	2-IN -1	2-IN -1	2-IN -1
2	MAXIMUM PRESSURE PUMP CAN DEVELOP. KG/CM2	700	700	700
3	DISCHARGE/STROKE.CC	49 UPTO 30BAR 2.8 ABOVE 30 BAR	49 UPTO 30BAR 2.8 ABOVE 30 BAR	30 UPTO 30BAR 2.8 ABOVE 30 BAR
4	USED FOR APPLICATIONS	SINGLE ACTING	DOUBLE ACTING	SINGLE ACTING
5	OIL TANK CAPACITY	3, 5, 7, 13 & 25 LTRS	3, 5, 7, 13 & 25 LTRS	1.2, 3 LTRS
6	WEIGHT (KG) WITHOUT OIL	21.6 (13 LTRS)	22.6(13 LTRS)	8



**HAND PUMP WITH
1000 BAR WORKING
PRESSURE & 1.2 LTRS TANK**



**HAND PUMP
EXPORT QUALITY**



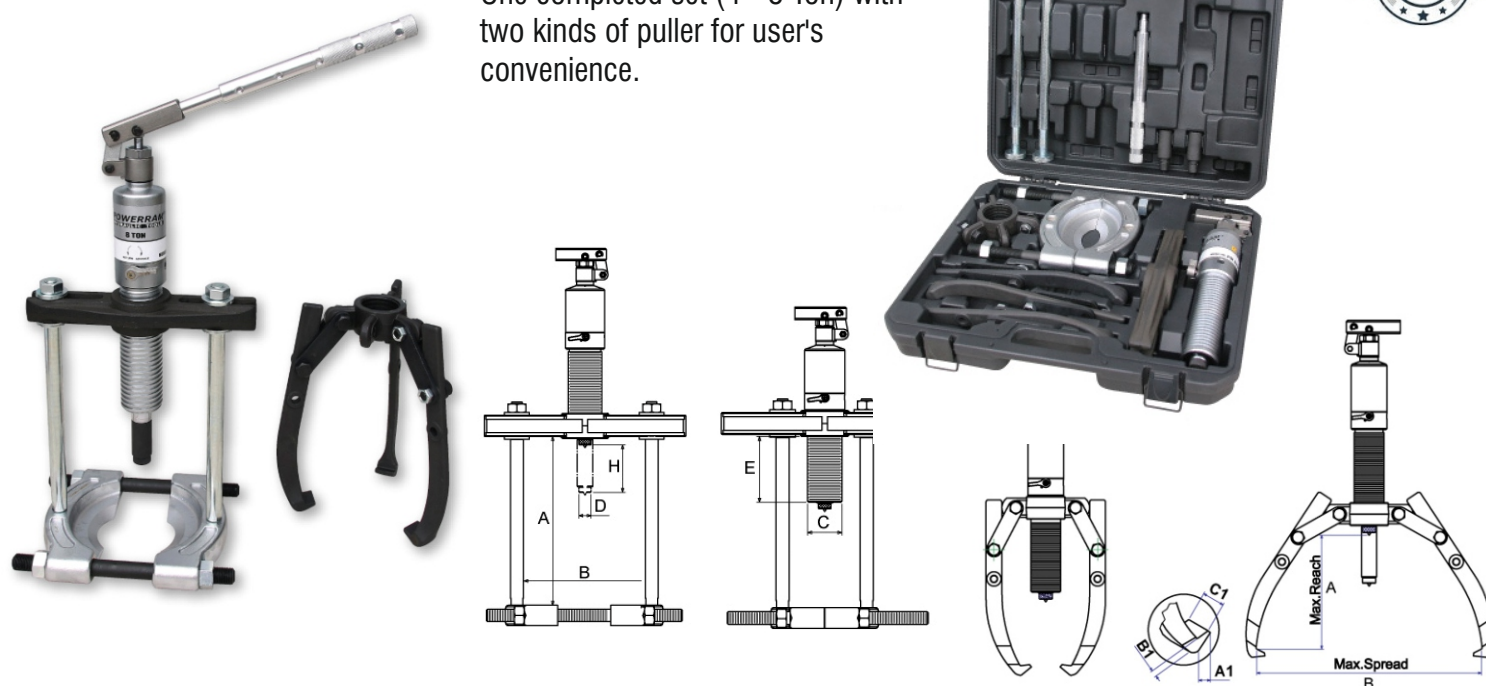
**2 STAGE DOUBLE
ACTING COMPACT
HAND PUMP**

HYDRAULIC PULLERS - PACKAGE MODELS

POWERRAM
HYDRAULIC TOOLS



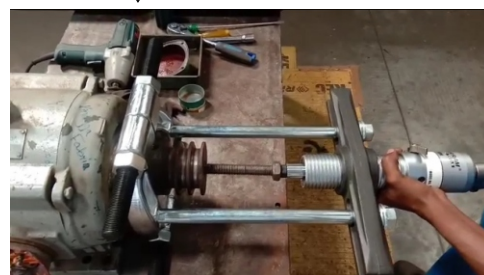
One completed set (4~8 Ton) with two kinds of puller for user's convenience.



FEATURES

- Four stages of foldable & removable handle saves the handle force during operation.
- 360° Rotary Socket.
- Self-contained hydraulic pump and puller body with integral safety valve.
- Spring loaded live centering nut for easy job (removable).
- 2 jaws puller cross head with manganous-phosphate plated for rust proof and durability.
- Package including puller body, jaw assembly, cross bearing, extension bar and blow molded case for practical and safe works.

Application of PM- Series Puller



SPECIFICATIONS

Capacity	Model No.	Reach (Max. mm)	Spread (Max. mm)	Stroke (mm)	Pump Tip (mm)			Jaw Tip (mm)			Weight (kg)
		A	B	H	C	D	E	A1	B1	C1	
4 Ton	PM420	185/224	255/145	60	42	22	84	11	6	22	12.4
6 Ton	PM620	220/255	330/220	70	45	23	90	13	10	22	17.0
8 Ton	PM820	230/255	350/230	85	50	25	122	11	10	25	20.0
12 Ton	PM1220	270/298	375/310	85	60	28	115	14	10	29	17.2 / 20.6 (puller / acc. set)



Exclusive Marketing & Service Associates:

Vankos & Company (Hyderabad)
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Email: sales@vankoshyd.com Web: www.vankoshyd.com

HYDRAULIC PULLERS

POWERRAM
HYDRAULIC TOOLS

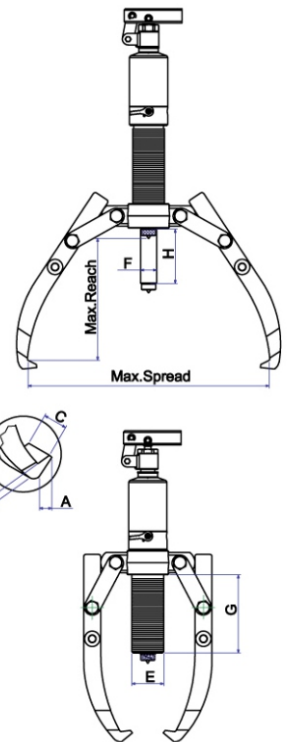
Model : PM Series



Application of
PM- Series Puller

FEATURES

- Exchangeable 2 or 3 arm combination puller is very practical and economical.
- 360° Rotary Socket.
- Self-contained hydraulic pump and puller body with integral safety valve.
- Spring loaded live centering nut for easy job (removable). Four stages of foldable & removable handle saves the handle force during operation.
- Patented design of two stages stroking for PM2000 & PM3000, the first stage being as fast stroking for quickly connecting with object, and the second stage being as high hydraulic output for pulling job.
- The extension rods can be used for extra reach when necessary.



SPECIFICATIONS

Capacity	Model No.	Reach (Max. mm)	Spread (Max. mm)	Stroke H	Pump Tip (mm)			Jaw Tip (mm)			Weight Kg
					E	F	G	A	B	C	
4 Ton	Pm400	185	255	60	42	22	84	11	6	22	8.3
6 Ton	Pm600	220	330	70	45	23	94	13	10	22	8.5
8 Ton	Pm800	230	350	85	50	25	122	11	10	25	12.0
12 Ton	Pm1200	270	375	85	60	28	118	14	10	29	17.2
20 Ton	Pm2000	360	520	111	80	40	160	20	27	33	38.2
30 Ton	Pm3000	360	550	111	98	50	155	20	27	38	50.6



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HYDRAULIC EASY PULLERS

POWERRAM
HYDRAULIC TOOLS

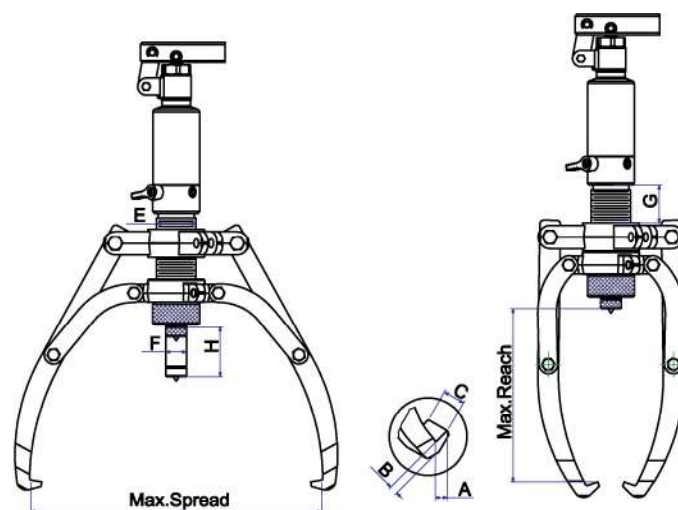
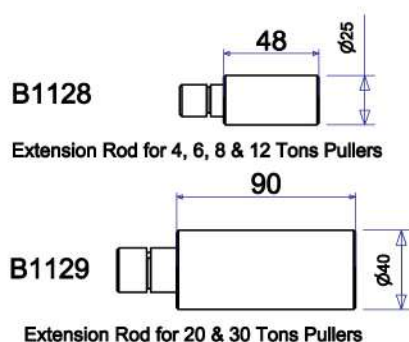
The first 2/3 way Hydraulic Easy Puller in the world !



FEATURES

- Self-centering and fast-acting jaws are absolutely user-friendly for operating.
- 360° Rotary socket can be operated in all direction.
- The extension rods can be used for extra reach when necessary.
- The self-contained hydraulic pump provide easy job without the necessary of additional cylinder, pump & hose.
- The integral safety valve can prevent the puller being overloaded.
- The convertible 2 / 3 way hydraulic easy puller provide the best and cost saving choice for the users.

Puller Assembled Package



SPECIFICATIONS

Capacity	Model No.	Max. Spread (mm)	Min. Reach (mm)	Min. Spread (mm)	Max. Reach (mm)	Stroke (mm)	Pump Tip (mm)			Jaw Tip (mm)			Weight (kg)
						H	E	F	G	A	B	C	
4 Ton	PME400	315	150	43	190	60	42	22	40	13	10	22	9.3
6 Ton	PME600	390	185	45	230	70	45	23	50	13	10	22	9.8
8 Ton	PME800	460	225	95	280	85	50	25	70	13	13	27.5	15.3
12 Ton	PME1200	515	240	100	300	85	60	28	70	15	16.5	29	18.4
20 Ton	PME2000	520	250	110	325	111	80	40	62	18	20	33	46.0
30 Ton	PME3000	620	330	120	415	111	98	50	85	18	20	38	61.8

Patented in USA, Germany, Taiwan, P.R.C.....etc.

HYDRAULIC POWER PACK



Single Acting Power Pack

Double Acting Power Pack

FEATURES:

- Hydraulic elements, Tube Fittings, Tank accessories & electricals of reputed make.
- Robust & Aesthetically designed for easy maintenance.
- Compatible to all reputed brand jacks / cylinders
- Options available : Hand lever / Solenoid (Push button)
- Wheels for easy handling
- Voltages: 110V - 220V - 415V A/C, 50 & 60 Hz

TECHNICAL PARAMETERS

Pump Stage	Motor HP Three phase	Model	Flow Up to 150 bar (L / min.)	Flow above 150 bar (L / min.)	Filling Capacity (Ltrs.)	Usable Oil (Ltrs.)
Single	2	VPU-2-20-HS	-	1.0	20	12
	3	VPU-3-40-HS	-	1.5	40	25
	5	VPU-5-50-HS	-	2.5	50	35
	7.5	VPU-7.5-80-HS	-	3.7	80	55
	7.5	VPU-7.5-120-HS	-	3.7	120	90
Two	2	VPU-2-40-HD	4.8	1.0	40	25
	3	VPU-3-40-HD	7.3	1.5	40	25
	5	VPU-5-50-HD	12.3	2.5	50	35
	7.5	VPU-7.5-80-HD	17.3	3.7	80	55
	7.5	VPU-7.5-120-HD	17.3	3.7	120	90
	2	VPU-2-40-PD	4.8	1.0	40	25
	3	VPU-3-40-PD	7.3	1.5	40	25
	5	VPU-5-50-PD	12.3	2.5	50	35
	7.5	VPU-7.5-80-PD	17.3	3.7	80	55
	7.5	VPU-7.5-120-PD	17.3	3.7	120	90

CUSTOMIZED POWERPACKS



Petrol / Diesel Power Pack



25+25 - 50 HP Power Pack



Solenoid Valve operated Compact Power pack

HYDRAULIC HEAVY DUTY PULLER WITH JACK PUMP & ATTACHMENTS



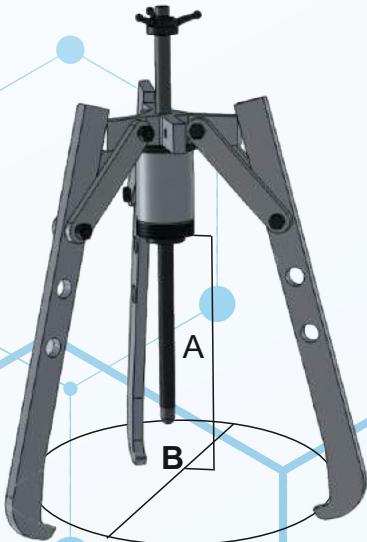
CAP-10 Ton - 100 Tons



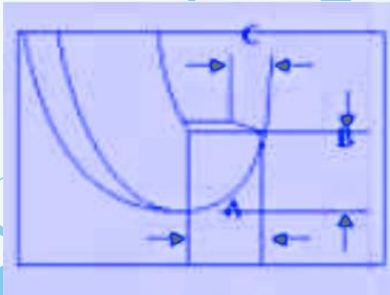
VANKOS HYD Puller is a unique combination of special alloy heavy duty forged components like jaws, rods etc paired with center hole jack & hand pumping unit for various applications like pulley, bearing removal in Heavy engineering industry, cement, power plants and mining.

GRIP PULLER ATTACHMENTS - TYPE: 2 GP & 3 GP

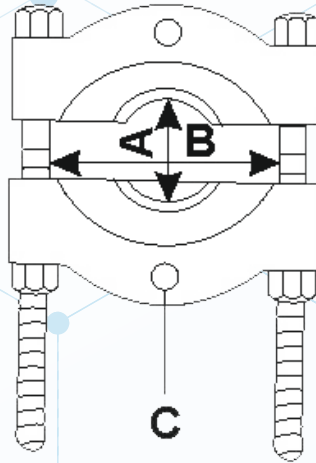
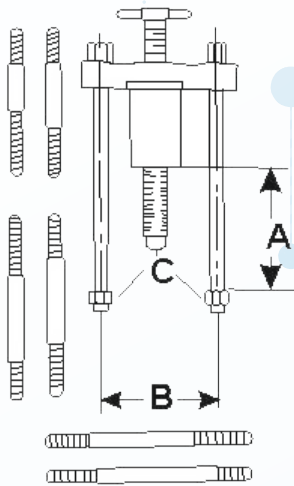
ATTACHMENT	USE WITH	REACH	SPREAD
CODE	HYD. UNIT	MAXIMUM	B MAXIMUM
2GP 10	VHRSA-10/75	180 mm	250mm
3GP 10	VHRSA-10/75	180 mm	300 mm
2GP 20	VHRSA-20/75	180 mm	325 mm
3GP 20	VHRSA-20/75	180 mm	400 mm
2GP 30	VHRSA-30/75	325 mm	500 mm
3GP 30	VHRSA-30/75	325 mm	550 mm
2GP 50	VHRSA-50/100	390 mm	700 mm
3GP 50	VHRSA-50/100	390 mm	800 mm
3GP 100	VHRDA-100/100	800 mm	1200 mm



PULLER JAW / TIP DETAILS :			
Model	A	B	C
VPS-10	15	32	35
VPS-20	24	29	40
VPS-30	26	37	45
VPS-50	32	52	56
VPS-100	38	80	60



HYDRAULIC HEAVY DUTY PULLER WITH JACK PUMP & ATTACHMENTS



PUSH PULLER PLUS BEARING ATTACHMENTS-TYPE - VPP+BP

ATTACHMENT	USE WITH		SPREAD 'A'	SPREAD 'B'	TAPPED HOLE
CODE	HYD. UNIT	MIN	MAX	MAXIMUM	THREAD 'C'
BP 10	VHRSA-10/75	15	110	100	M 14x2
BP 20	VHRSA-20/75	20	215	155	M 16x2
BP 30	VHRSA-30/75	20	250	255	M 22 x 2.5
BP 506	VHRSA-50/75	30	300	330	M 33x3.5
BP 507	VHRSA-50/75	30	395	440	M 33x3.5
BP 1005	VHRDA 100/100	100	500	625	M 56x55
BP 10085	VHRDA-100/100	150	850	795	M 56x55

Attachment	Use with	Reach A with Side Rods			Spread 'B'		Tie Rod End
Code	Hyd. Unit						Thread
		Small	Medium	Long	Min.	Max.	'C'
VPP-10	VHRSA-10/75	5	105	205	120	250	M14x2
VPP-20	VHRSA-20/75	10	210	310	140	300	M16x2
VPP-30	VHRSA-30/75	290	X	490	170	410	M22x25
VPP50	VHRSA-50/75	200	X	445	225	545	M30X3.5
VPP100	VHRDA-100/100	490	X	X	350	1000	M56X5.5

GENERAL GUIDE LINE FOR SELECTION OF PULLER

(a)	For a pulling job having	shaft	dia.	0	to	20 mm	(approx.)	Use 10 Tonne Puller
(b)	For a pulling job having	shaft	dia	21	to	50 mm	(approx.)	Use 20 Tonne Puller
(c)	For a pulling job having	shaft	dia	51	to	90 mm	(approx.)	Use 30 Tonne Puller
(d)	For a pulling job having	shaft	dia	91	to	140 mm	(approx.)	Use 50 Tonne Puller
(e)	For a pulling job having	shaft	dia	141	to	250 mm	(approx.)	Use 100 Tonne Puller

BASIC FUNCTION OF PULLER

VARIOUS PULLER & ATTACHMENTS



When selecting a puller, it is important consider 3 basic **Specifications:**

1. The Capacity: is the amount of force the puller is capable of producing. Typically, the capacity required for a job can be determined by using the shaft diameter of the part being pulled. For manual pullers, the center bolt diameter of the puller should be at least half the diameter of the shaft being pulled from. For hydraulic pullers, the capacity in tons should be 0,28 to 0,4 times the shaft diameter in mm.

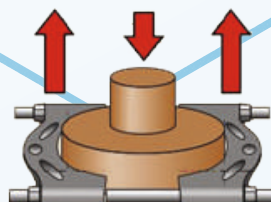
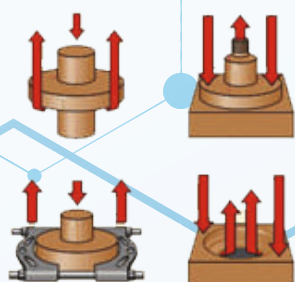
Use the following chart:

Shaft Diameter	Puller Capacity
0 – 25 mm	10 ton
25 – 50 mm	20 ton
50 -89 mm	30 ton
89 – 140 mm	50 ton

2. The Reach: is the distance between the bottom of the base and the jaw flats. The puller's reach must equal or exceed the same distance of the part being pulled.

3. The Spread: is the distance between the jaws. The puller's spreadneeds to be greater than the width of the part being pulled.

Puller Function	Capacity ton	Puller type
	8-50	Master Puller Sets Max. Reach: 180 - 800 mm Max. Spread: 180 - 1200 mm
	8-50	Grip puller Sets Max. Reach: 180- 800 mm Max. Spread: 180 - 1200 mm
	8-50	Cross Bearing Puller Sets Max. Reach: 354 - 863 mm Max. Spread: 266 - 570 mm
	8-50	Bearing Cup Pullers Max. Reach: 110 - 145 mm Max. Spread: 26 - 359 mm
	2-12	Mechanical Pullers Max. Reach: 80 - 120 mm Max. Spread: 120 - 440 mm
	4-30	In Built Pump Hydraulic Pullers Max. Reach: 185 - 360 mm Max. Spread: 255 - 550 mm
	100	Tri Section Hydraulic Pullers Max. Reach: 211-244 mm Max. Spread: 30 - 340 mm

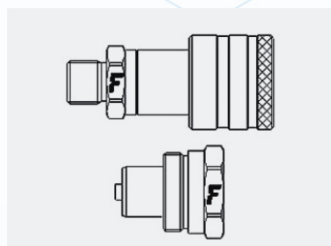


HYDRAULIC QUICK RELEASE COUPLER (QRC) WORKING PRESSURE 1000 BAR



Screw to connect couplings for high Pressure, ISO 14540 interchange, poppet valve.

Screw-on couplings purposely designed for the heaviest applications (e.g.: hydraulic jacks for bridge maintenance). Equipped with a robust metal-to-metal sealing poppet valve, this series guarantees the best performance on the market in terms of maximum working pressure. ISO 14540 interchange.



Technical Specifications

Model No	Size mm	inch	Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Male	Female	Male + Female
VQC-1000	10	3/8"	100	20	1	0	330	300	350

Material	Steel
Seals	NBR
Working temperatures	- 25 °C to + 125 °C
Surface treatment	MATE 500 (CrIII)
Series Interchange	ISO 14540
Valve Type	Poppet
Connection	Screw to Connect
Disconnection	Unscrew to Disconnect
Connection Under Pressure	Allowed Residual

Application

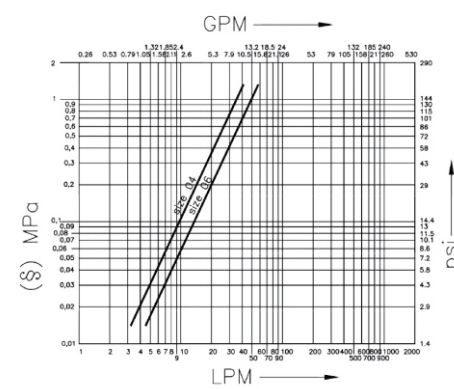


Optional Accessories :

1. Metal Dust Cap
2. Plastic Dust Cap
3. Hose Adapter

Burst pressure (MPa)

Pressure Drop



RCF SERIES

ULTRA LOW HEIGHT FLAT JACK



FEATURES / APPLICATION

- Single Acting Spring Return Upto 200 Tons.
- Compact & flat design ideally best suited where clearance is minimum for using jack.
- Spares available through life of Jacks
- Mounting holes for easy fixturing (Stacking plate to increase closed height is optional).
- Heavy equipment lifting, alignment & clamping.
- Ensure no gap between jack & load to be lifted, to utilize full stroke.
- Compatible with all reputed brands pumping units.
- Refer to anatomy for all VANKOS-HYD jacks.
- Black - Nitrocarbonization available on request

CAPACITY 10 - 200 TONS L STROKE 8 -16 MM L MAX WORKING PRESSURE 700 BAR

Rated Capacity (Ton)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	'A' Closed Height (mm)	B Cylinder OD (mm)	C Bore Dia (mm)	D Ram Dia (mm)	W A/F (mm)	Wt (Approx.) (kg)
5	8	RCF-5/8	8.0	6	35	60	32	20	45	0.6
10	12	RCF-10/12	15.9	19	45	80	45	35	60	1.3
20	12	RCF-20/12	31.2	37	55	100	63	50	80	2.6
30	12	RCF-30/12	44.2	53	60	115	75	60	95	3.8
50	16	RCF-50/16	78.5	126	65	140	100	70	120	6.2
75	16	RCF-75/16	113.1	180	80	175	120	85	145	11.8
100	16	RCF-100/16	153.9	247	85	190	140	100	165	15.1
150	16	RCF-150/16	227.0	363	100	230	170	120	205	27
200	16	RCF-200/16	283.5	454	115	265	190	140	230	40.7

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

SELECT SUITABLE PUMPING UNITS AND ACCESORIES



TRI-SECTION PULLERS

POWERRAM
HYDRAULIC TOOLS

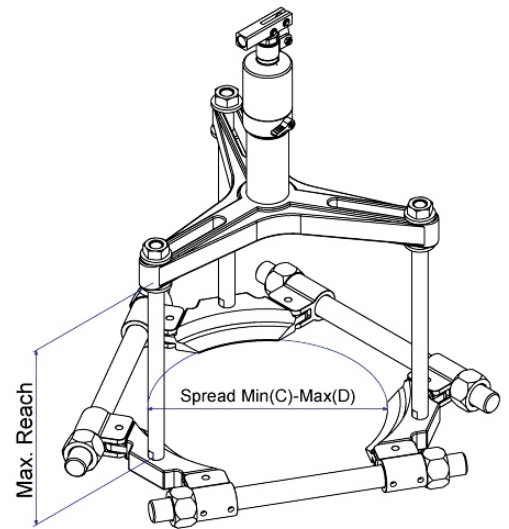


Steel Case- Package



FEATURES

- The set including Tri-section plate for convenient and safe pulling job.
- Wedge-shaped edge allows removal of the most hard-to-grip components.
- The firm grip behind bearing's inner & outer rings ensures the pulling force not to be transmitted through the rolling parts.
- The tri-section plates design creates the most even force distribution and the maximizing spread.



SPECIFICATIONS

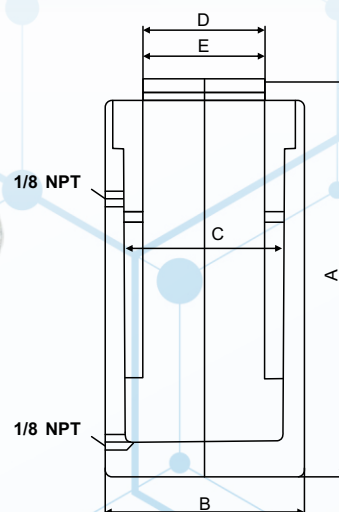
Capacity	Model No.	Reach (Max. mm)	Spread (mm)		Pump Body Model No.	Overall Width (mm)	Weight (kg)
			C (Min.)	D (Max.)			
4 Ton	P3412	211	30	160	PM401	240	19
6 Ton	P3612	243	50	210	PM601	285	29
8 Ton	P3812	243	50	270	PM801	460	32
12 Ton	P31212	284	90	340	PM1201	660	65



Exclusive Marketing & Service Associates:

Vankos & Company (Hyderabad)
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Email: sales@vankoshyd.com Web: www.vankoshyd.com

VDP SERIES DOUBLE ACTING PLAIN RAM GENERAL PURPOSE JACK



Features/Application

- General application jacks suited for push and pull purpose.
- Pressure relief valve in return line prevents accidental damage in return line.
- All exposed surfaces treated for corrosion resistance.
- Provided with In - Built Hardened saddle to avoid ram mushrooming
- Refer to anatomy for all VANKOS - HYD jacks.

CAPACITY 10 - 200 TON | STROKE 30 - 60 MM | MAX. WORKING PRESSURE 700 BAR

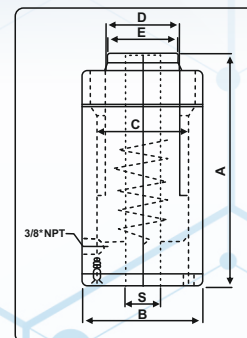
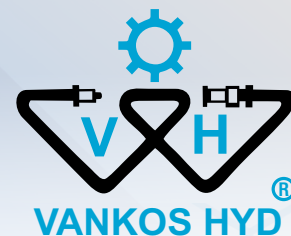
Rated Capacity (Ton)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	'A' Closed height (mm)	'B' Cylinder OD (mm)	'C' Bore dia (mm)	'D' Ram dia (mm)	'W' A/F (mm)	Wt. (Approx.) (kg)
10	150	VDP-10/150	15.9	239	275	75	45	30	28	8
15	150	VDP-15/150	23.8	356	280	85	55	40	38	11
20	150	VDP-20/150	31.2	468	285	95	63	50	48	14
25	150	VDP-25/150	38.5	577	295	95	70	55	53	14.3
30	150	VDP-30/150	44.2	663	305	100	75	55	53	15.6
50	150	VDP-50/150	78.5	1178	305	130	100	70	67	26.3
75	150	VDP-75/150	113.1	1696	305	155	120	90	87	38.5
100	150	VDP-100/150	153.9	2309	310	180	140	110	106	53.5
150	150	VDP-150/150	227.0	3405	320	220	170	140	137	84
200	150	VDP-200/150	314.2	4712	345	255	200	150	146	116
250	150	VDP-250/150	380.1	5702	350	280	220	180	177	148
300	150	VDP-300/150	452.4	6786	365	310	240	180	177	181
400	150	VDP-400/150	572.6	8588	385	350	270	220	216	255

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

SELECT SUITABLE PUMPING UNITS AND ACCESSORIES



VHRSA SERIES SINGLE ACTING HOLLOW RAM JACK (SPRING RETURN)



Features/Application

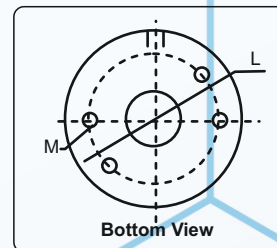
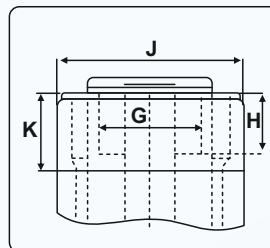
- Single acting spring return upto 100 Tons
- All Jacks are provided with top threading for easing fixturing on puller and hydraulic tools
- Bottom side provided with plate for cavity protection and mounting holes
- Hollow ram design allows for both pull and push forces.
- Single-acting spring return with black plated, floating center tube on models over 20 Tons increases product life.

HOLLOW RAM JACK - VHRSA SERIES CAPACITY UP TO 100T

Rated Capacity (Ton)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	'A' Closed height (mm)	'B' Cylinder OD (mm)	'C' Bore dia. (mm)	'S' C'hole dia. (mm)	'D' Ram dia. (mm)	'E' Saddle. (mm)	Wt. (Approx.) (kg)
10	50	VHRSA-10/50	15.7	79	165	75	60	20	50	50	4.6
10	75	VHRSA-10/75	15.7	118	190	75	60	20	50	50	5.3
10	100	VHRSA-100/100	15.7	157	215	75	60	20	50	50	6
20	50	VHRSA-20/50	33.0	165	170	105	85	27	75	73	10.5
20	100	VHRSA-20/100	33.0	330	220	105	85	27	75	73	13.5
20	150	VHRSA-20/150	33.0	495	270	105	85	27	75	73	16
30	50	VHRSA-30/50	42.6	213	195	115	95	33	80	78	13
30	75	VHRSA-30/75	42.6	320	220	115	95	33	80	78	14.5
30	100	VHRSA-30/100	42.6	426	245	115	95	33	80	78	16
30	150	VHRSA-30/150	42.6	639	295	115	95	33	80	78	19
50	75	VHRSA-150/75	78.5	589	230	150	125	42	100	97	25
50	100	VHRSA-50/100	78.5	785	255	150	125	42	100	97	27
60	75	VHRSA-60/75	86.4	648	245	165	135	54	110	107	32
60	100	VHRSA-60/100	86.4	864	270	165	135	54	110	107	35
60	150	VHRSA-60/150	86.4	1296	320	165	135	54	110	107	40.5
100	75	VHRSA-100/75	141.4	1060	270	215	180	77	150	146	58
100	100	VHRSA-100/100	141.4	1414	295	215	180	77	150	146	62

HOLLOW RAM JACK - VHRSA SERIES CAPACITY UP TO 100T

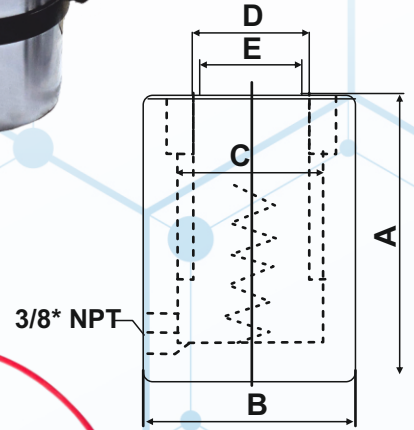
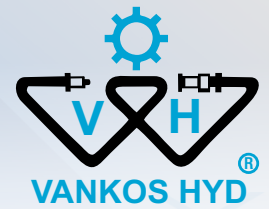
Model	G RAM Internal thread	H Thread Depth (mm)	J Collar (thread)	K length (mm)	LPCD X No. of holes	M Bottom thread size	Thread depth (mm)
VHRSA-10	M42x2P	22	M75x2P	30	60x2	M8	15
VHRSA-20	M42x2P	23	M105x2P	36	85x2	M10	17
VHRSA-30	M42x2P	30	M115x2P	40	90x2	M10	17
VHRSA-50	M42x2P	30	M150x2P	40	125x2	M12	18
VHRSA-60	M42x2P	33	M165x2P	45	135x2	M12	20
VHRSA-100	M42x2P	40	M215x2P	50	180x2	M16	24



SELECT SUITABLE PUMPING UNITS AND ACCESORIES



VSH SERIES SHORT HEIGHT JACK



FEATURES / APPLICATION

- Single Acting Spring Return Upto 200 Tons.
- Provided with In-Built Hardened saddle to avoid ram mushrooming
- Best used for applications with low clearance.
- Heavy equipment lifting & alignment.
- Used in horizontal & vertical directions.
- Ideally ensure no gap between jack & load to be lifted, toutilize full stroke
- Spares available through life of Jacks
- Black - Nitrocarbonization available on request
- Compatible with all reputed brands pumping units.
- Refer to anatomy for all VANKOS-HYD jacks.

CAPACITY 10 - 200 TONS L STROKE 30 -60 MM I MAX WORKING PRESSURE 700 BAR

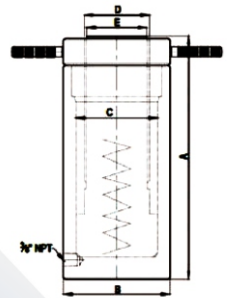
Rated Capacity (Ton)	Capacity @700 bar (KN)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	'A' Closed Height (mm)	'B' Cylinder OD (mm)	'C' Bore Dia (mm)	'D' Ram Dia (mm)	W A/F (mm)	Wt (Approx.) (kg)
10	111	30	RC-VSH-10/30	15.9	48	90	70	45	35	-	2.3
20	218	50	RC-VSH-20/50	31.2	160	115	90	63	50	-	4.9
30	309	50	RC-VSH-30/50	44.2	221	120	100	75	60	-	6
50	550	60	RC-VSH-50/60	78.5	471	125	130	100	80	60	11
75	792	60	RC-VSH-75/60	113.1	679	145	155	120	95	70	18.4
100	1077	60	RC-VSH-100/60	153.9	925	150	180	140	110	80	23.6
150	1589	60	RC-VSH-150/60	227.0	1362	165	220	170	140	100	43
200	2199	60	RC-VSH-200/60	314.2	1885	200	255	200	160	110	66

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

SELECT SUITABLE PUMPING UNITS AND ACCESORIES



VST-GENERAL PURPOSE THREADED RAM JACK SPRING RETURN



Customized Jack with Tilt Saddle

FEATURES / APPLICATION

- Single Acting Spring Return Upto 500 Tons.
- All exposed surfaces treated for corrosion resistance.
- General application jacks suited for sustained load holding.
- Provided with In-Built Hardened saddle to avoid ram mushrooming
- Gland Nut designed to withstand dead end load.
- Refer to anatomy for all VANKOS-HYD jacks.



CAPACITY 10 - 500 TON | STROKE 150 MM | MAX. WORKING PRESSURE 700 BAR

Rated Capacity (Ton)	Stroke (mm)	Model	Effective Area (cm ²)	Oil cap (cc)	A Closed Height (mm)	B Cylinder OD (mm)	C Bore Dia (mm)	D Ram Dia (mm)	E Saddle Dia (mm)	Wt (Approx.) (kg)
10	150	RC-VST-10/150	15.9	239	245	60	45	40	34	4.5
15	150	RC-VST-15/150	23.8	356	250	70	55	50	43	6.5
20	150	RC-VST-20/150	31.2	468	260	80	63	55	48	9
25	150	RC-VST-25/150	38.5	577	270	90	70	55	50	11.5
30	150	RC-VST-30/150	44.2	663	275	100	75	60	55	15
50	150	RC-VST-50/150	78.5	1178	290	130	100	80	75	27
75	150	RC-VST-75/150	113.1	1696	295	155	120	95	89	39
100	150	RC-VST-100/150	153.9	2309	305	180	140	110	103	54
150	150	RC-VST-150/150	227.0	3405	325	220	170	140	133	87.5
200	150	RC-VST-200/150	314.2	4712	340	255	200	160	152	122
250	150	RC-VST-250/150	380.1	5702	350	280	220	180	170	154
300	150	RC-VST-300/150	452.4	6786	370	310	240	200	192	202
400	150	RC-VST-400/150	572.6	8588	405	350	270	220	212	283
500	150	RC-VST-500/150 WITH TILT SADDLE	706.9	10306	465	400	300	250	230	405

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

SELECT SUITABLE PUMPING UNITS AND ACCESORIES

