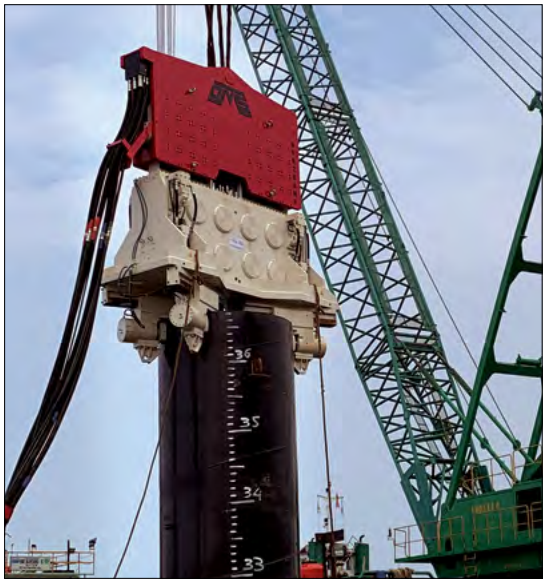


KCN SERIES
For Tube Pile

SCN SERIES
For Sheet Pile

ACN SERIES
For Wooden Pile

HYDRAULIC CLAMPS

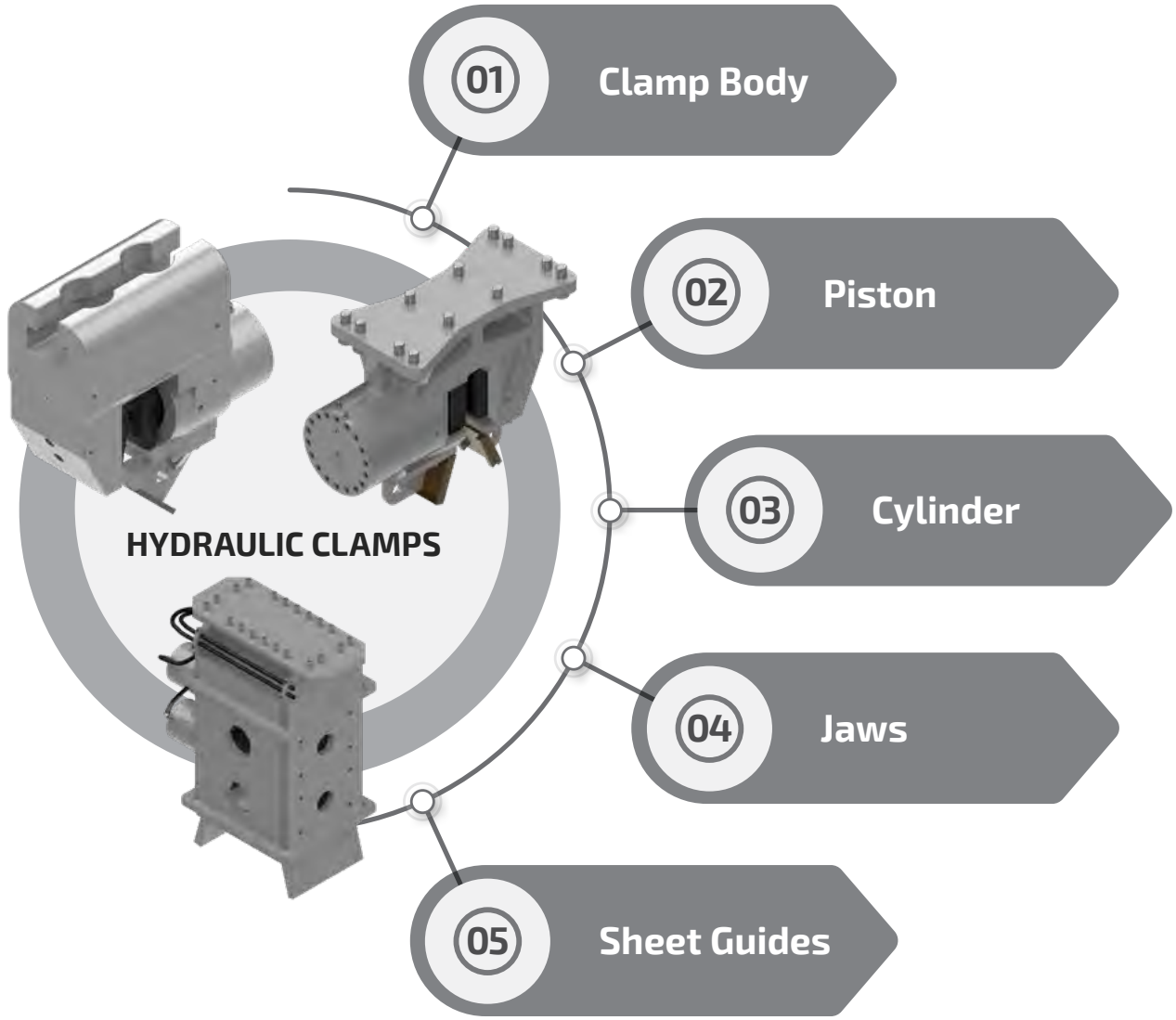
KCN - SCN - ACN SERIES

OMS Hydraulic clamps are manufactured from special alloy casting steel and have two gripping jaws fixed and moveable. Tube, sheet and wooden piles can be driven and extracted with the various clamp types.

www.omsvibro.com • oms@omsvibro.com

POWERFUL HYDRAULIC CLAMPS BY OMS

Manufacturer of Pile Driving Equipment for over 35 years!



KCN SERIES → Page 04
FOR TUBE PILES

SCN SERIES → Page 12
FOR SHEET PILES

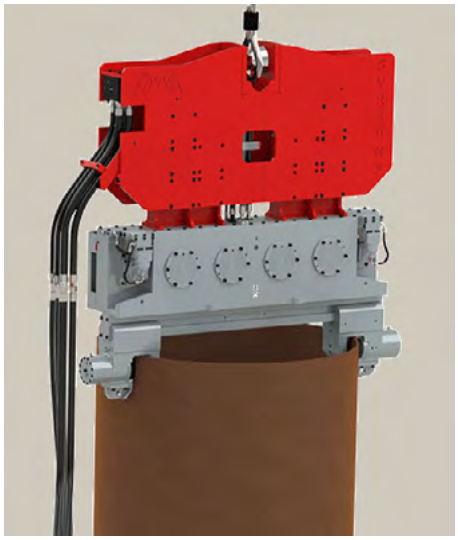
ACN SERIES → Page 18
FOR TIMBER PILES

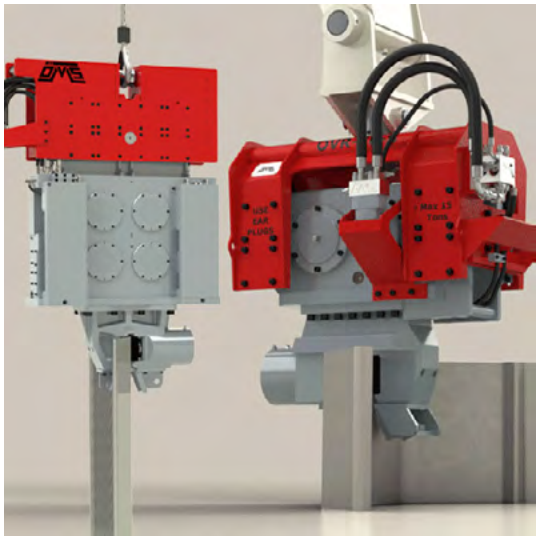
Advantages

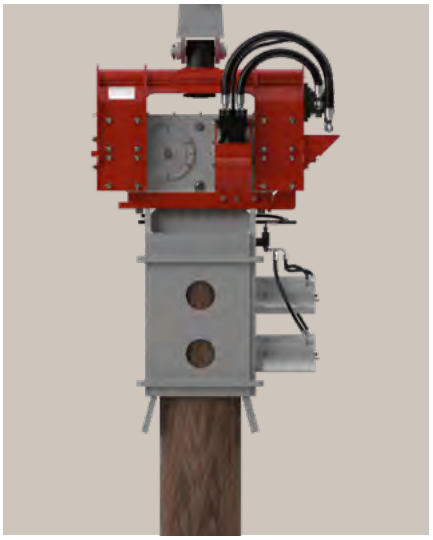
- Tube, sheet and wooden piles can be driven and extracted with the various clamp types,
- The piston locking system allows it to be safely fixed to the beam,
- Easy-to-use ergonomic design,
- Low clamp weight,
- Ideal choice to drive and extract sheet piles.
- They are easy to mount.

OMS HYDRAULIC CLAMP TYPES

KCN SERIES FOR TUBE PILES	SCN SERIES FOR SHEET PILES	ACN SERIES FOR TIMBER PILES





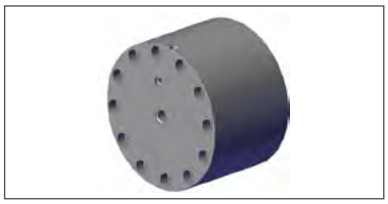


Clamp Body

- Hydraulic clamp body is made by alloy cast steel.
- It has resistant to work in heavy duty conditions.
- Holds all components to work together.

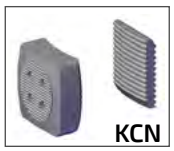
Piston

- Piston is made by alloy steel with heat treatment.
- Machined in high precision to work under high pressure and force.
- It helps to move the jaw to press the pile to the fixed jaw.



Cylinder

- Designed for working under high pressure. While the cylinder provides piston movement, it acts as a bearing for the piston.
- A pilot control check valve is mounted of the cylinder. With the help of pilot operated check valve, keeps the clamp cylinder under pressure.



Jaws

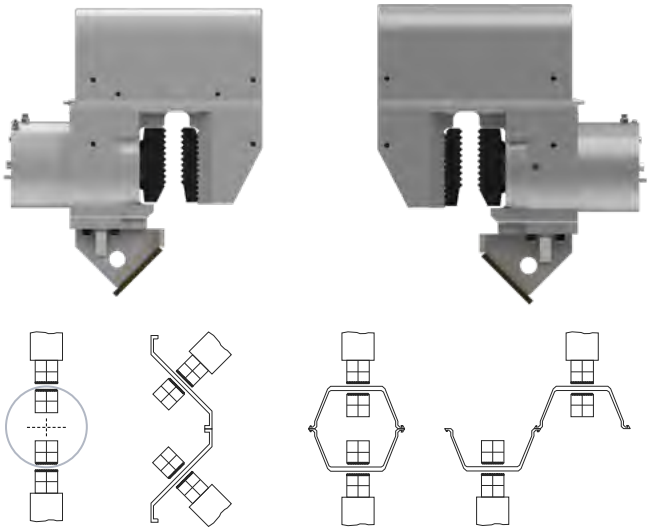
- Jaws made by alloyed steel which have resistant to tear and wear.
- Teeth of the jaws are designed to hold the piles securely.

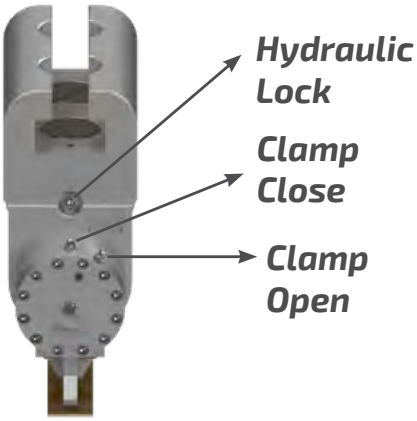
Sheet Guides

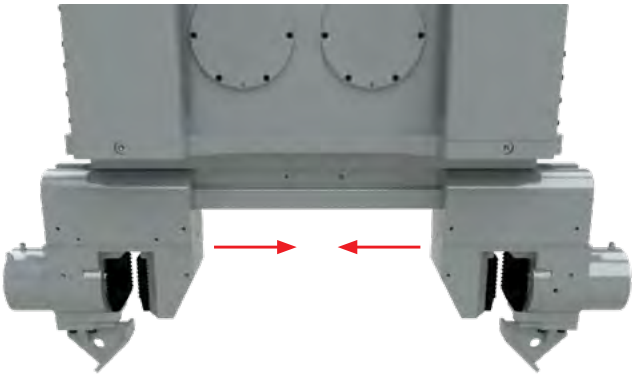
- Sheet guide is for guiding the piles into the clamp body. Also it helps to protect the jaws while locating the pile in to hydraulic clamp body. Sheet that touches the piles are made with Hardox steel. KCN clamps have only one sheet guide.

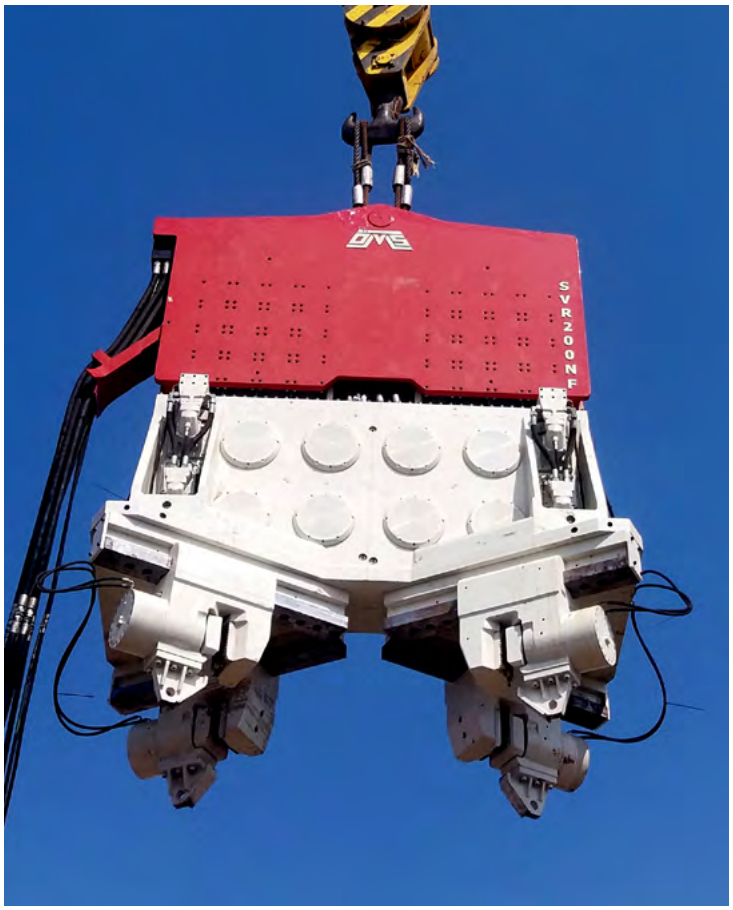
KCN Series

Hydraulic Clamps
For Tube Piles

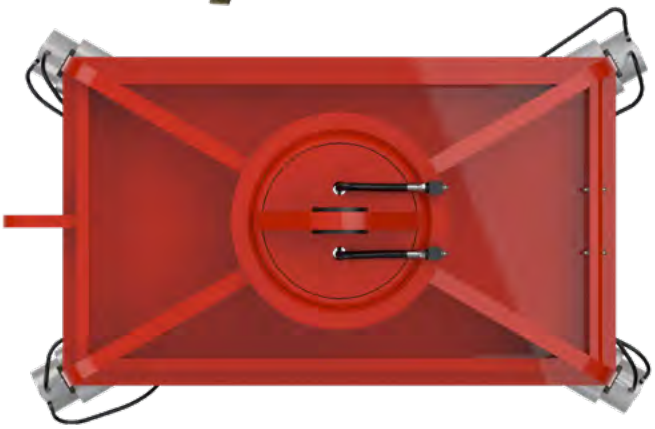


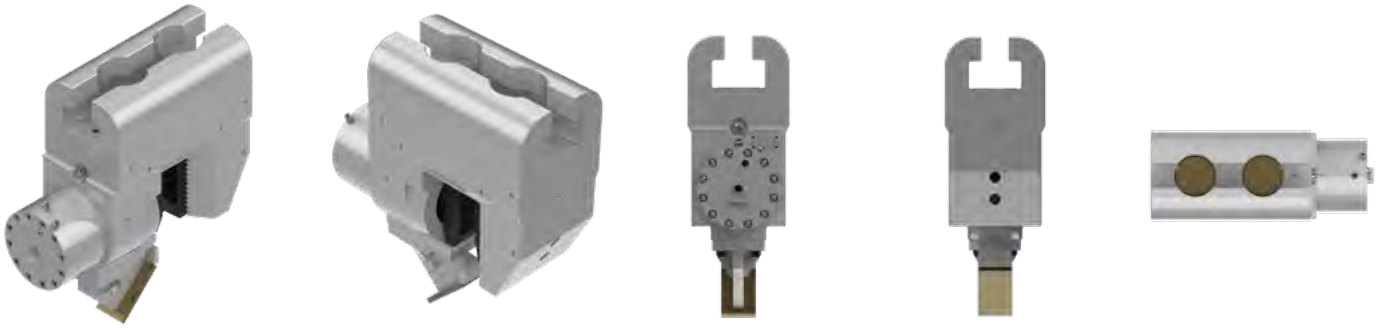




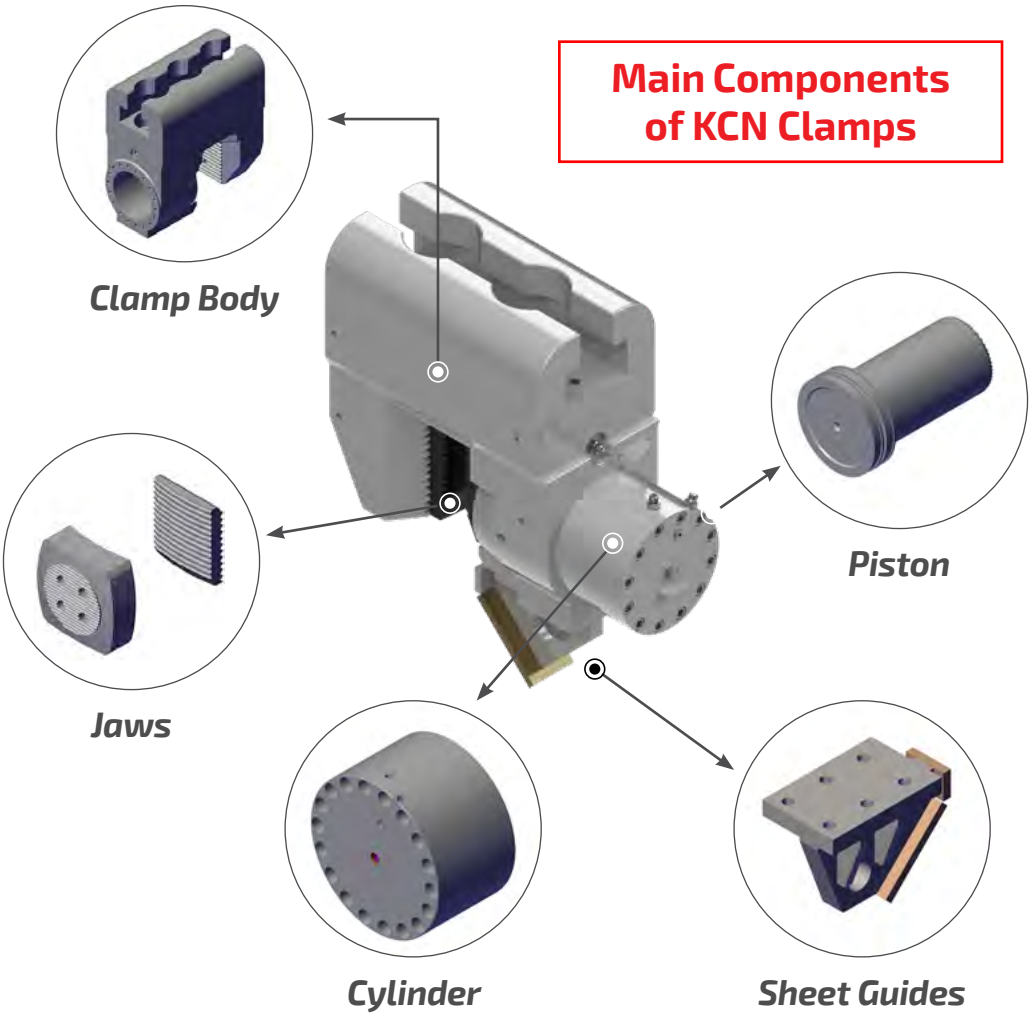


Pipe Lifting Equipment





Main Components of KCN Clamps



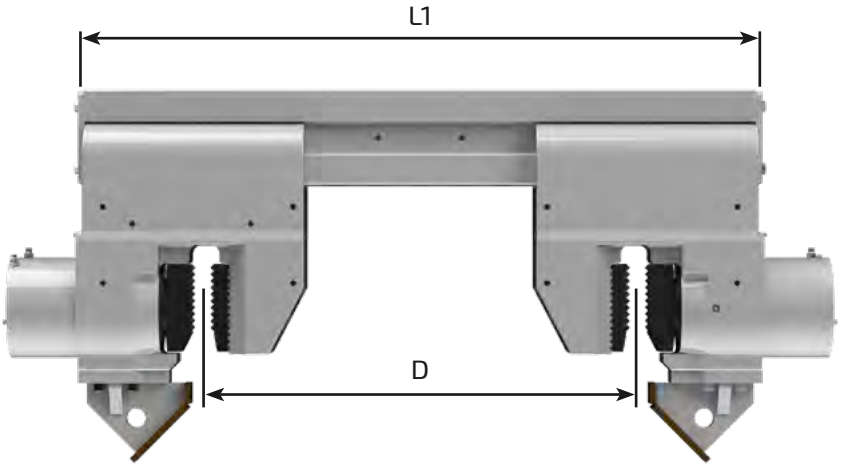
Safe connection with piston - locking system!

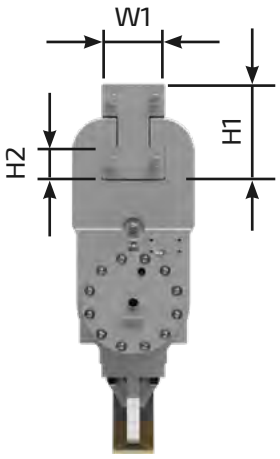
OMS hydraulic clamps provide a safe connection between the vibratory pile driving machine and the clamp using a piston locking system.

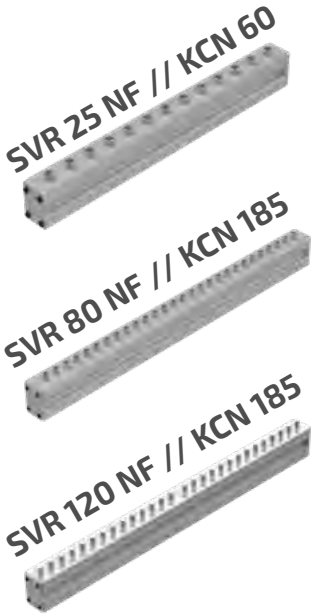
Advantages

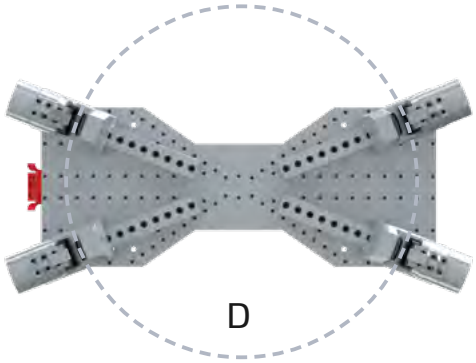
- It is suitable for driving and extracting the piles with various diameters.
- The piston locking system allows it to be safely fixed to the beam.
- They are produced with special alloy steel that leads to high strength.

“H” Type Caisson Beam Series





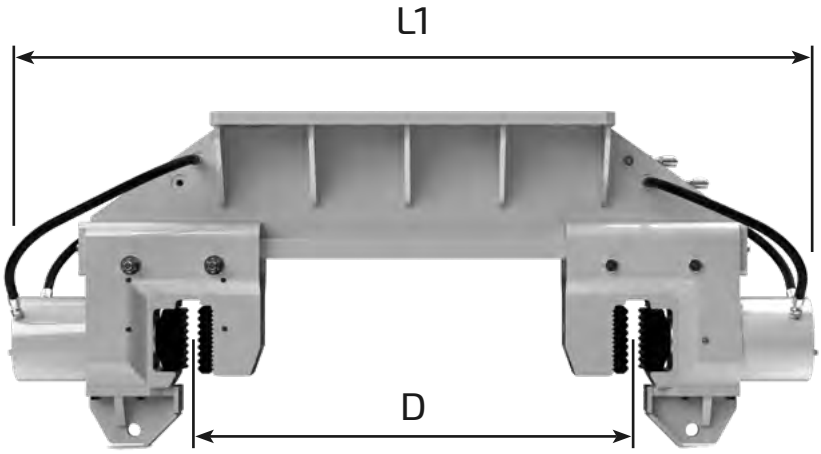


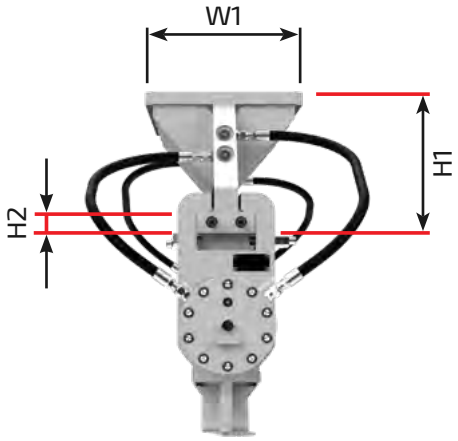


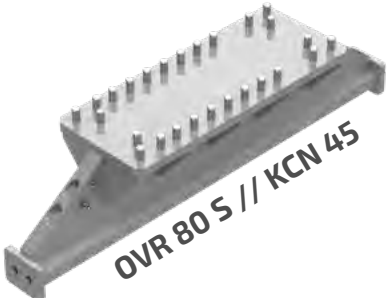
SVR 200 NF // KCN 185

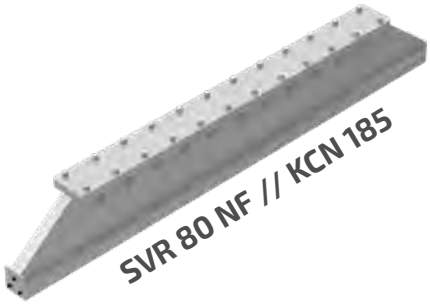
Vibro Hammer	Clamp Type	Diameter D (mm)	L1 (mm)	Weight (kg)
SVR 25 NF	KCN 60	360-1030	949 x 1	224
SVR 30 NF	KCN 60	360-1900	1245 x 2	150 x 2
SVR 50 NF	KCN 90	520-1900	1270 x 2	251 x 2
SVR 80 NF	KCN 185	600-2100	1485 x 2	425 x 2
SVR 82 NF	KCN 185	600-1650	1275 x 2	410 x 2
SVR 120 NF	KCN 185	600-2050	1522 x 2	445 x 2
SVR 8 VM	KCN 45	350-700	1145 x 1	210
SVR 12 VM	KCN 45	350-970	1450 x 1	270
SVR 16 VM	KCN 60	360-1020	800 x 2	115 x 2
SVR 20 VM	KCN 90	520-1020	900 x 2	150 x 2
SVR 24 VM	KCN 90	520-1020	900 x 2	150 x 2
SVR 30 VM	KCN 120	620-1020	1150 x 2	288 x 2
SVR 40 VM	KCN 185	600-1600	1422 x 2	354 x 2
SVR 50 VM	KCN 185	600-1800	1150 x 2	382 x 2

“T” Type Caisson Beam Series



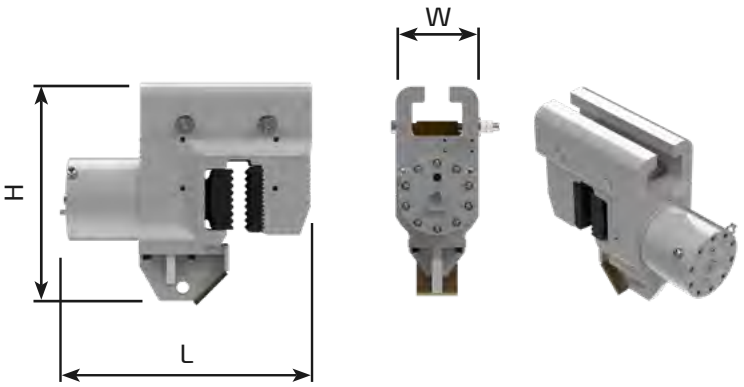




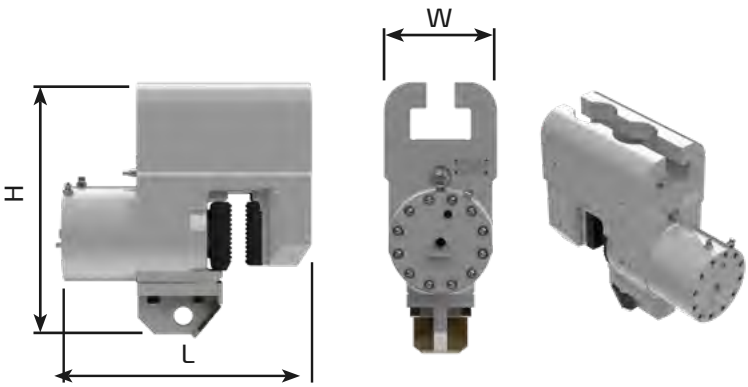


Vibro Hammer	Clamp Type	Diameter D (mm)	L1 (mm)	W1 (mm)	H1 (mm)	H2 (mm)	Weight (kg)
SVR 50 NF	KCN 90	520-3000	4265	280	597	89	2019
SVR 80 NF	KCN 185	600-3000	4309	281	597	88	2018
SVR 120 NF	KCN 185	600-3000	3628	188	590	88	2010
OVR 60 S	KCN 45	350-670	1521	355	322	44	227
OVR 70 S	KCN 45	350-670	1521	355	322	44	273
OVR 80 S	KCN 45	350-970	1826	355	322	44	273
OVR 120 S	KCN 60	360-940	1842	355	344	66	312
OVR 80 VM	KCN 45	350-970	1145	120	324	44	210
OVR 120 VM	KCN 45	350-970	1450	120	324	44	270

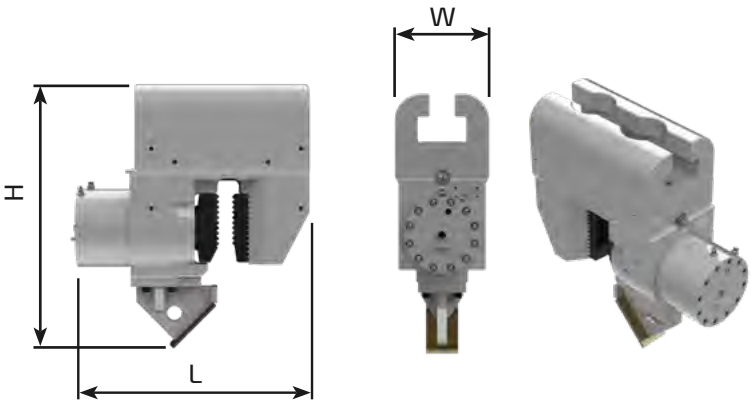
Technical Specifications of KCN Series Hydraulic Clamps



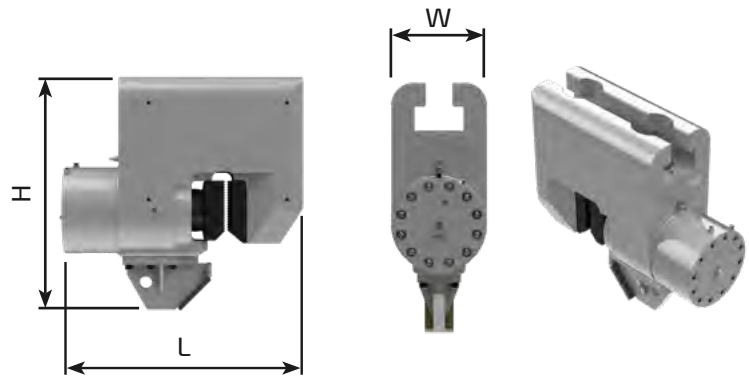
Technical Spec.		KCN 45
Clamping Force (kN/tons)	465x2	52x2
Weight (kg/lbs)	185x2	408x2
Working Pressure (bar/psi)	320	4641
L (mm/in)	566	22
W (mm/in)	200	8
H (mm/in)	507	20



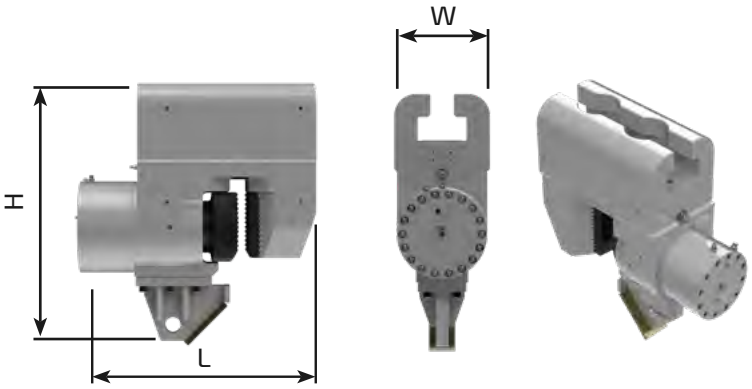
Technical Spec.		KCN 60
Clamping Force (kN/tons)	643x2	72x2
Weight (kg/lbs)	307x2	677x2
Working Pressure (bar/psi)	320	4641
L (mm/in)	599	24
W (mm/in)	250	10
H (mm/in)	601	24



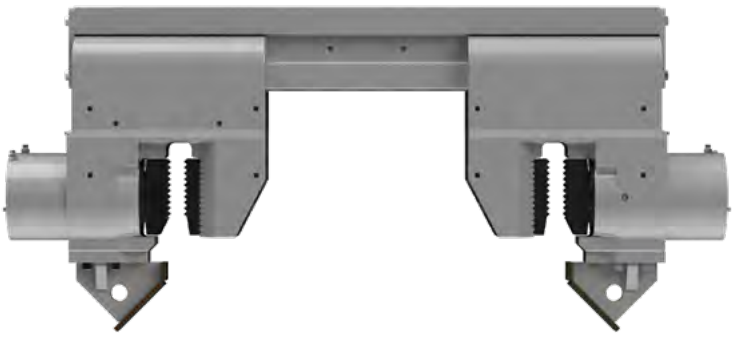
Technical Spec.		KCN 90
Clamping Force (kN/tons)	890x2	100x2
Weight (kg/lbs)	538x2	1186x2
Working Pressure (bar/psi)	350	5076
L (mm/in)	725	29
W (mm/in)	292	12
H (mm/in)	809	32

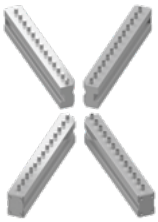


Technical Spec.		KCN 120
Clamping Force (kN/tons)	1216x2	137x2
Weight (kg/lbs)	948x2	2090x2
Working Pressure (bar/psi)	320	4641
L (mm/in)	894	35
W (mm/in)	330	13
H (mm/in)	862	34

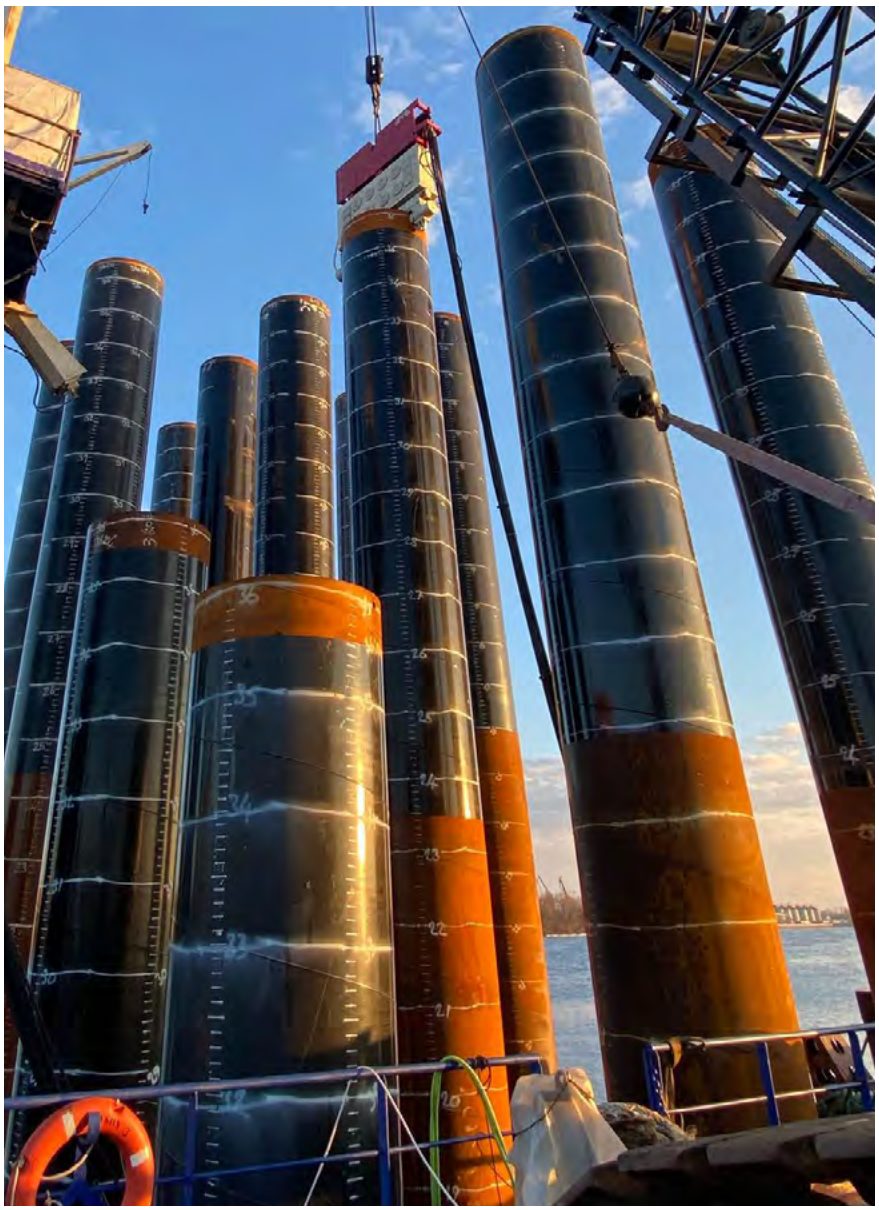


Technical Spec.		KCN 185
Clamping Force (kN/tons)	1858x2	209x2
Weight (kg/lbs)	1164x2	2566x2
Working Pressure (bar/psi)	350	5076
L (mm/in)	913	36
W (mm/in)	370	15
H (mm/in)	996	39

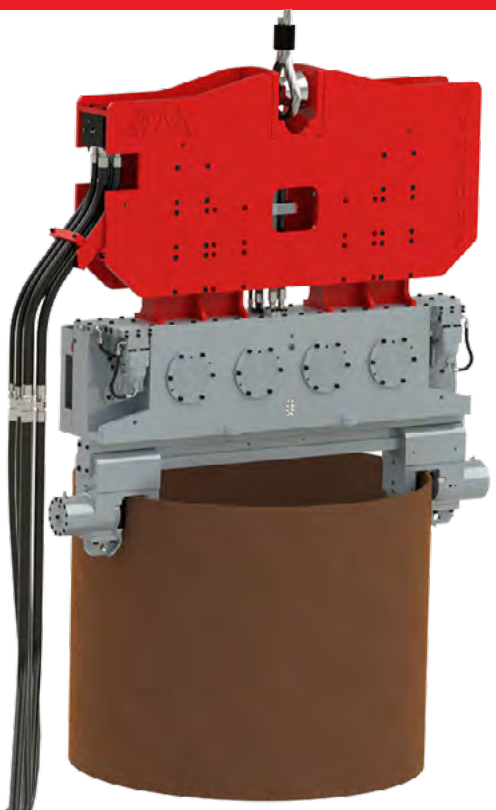


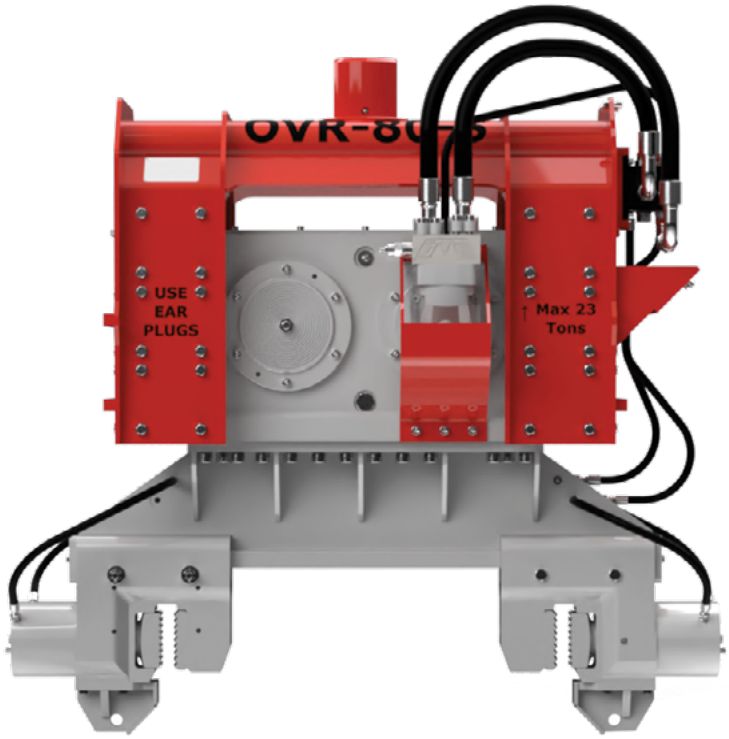


Images From KCN Series



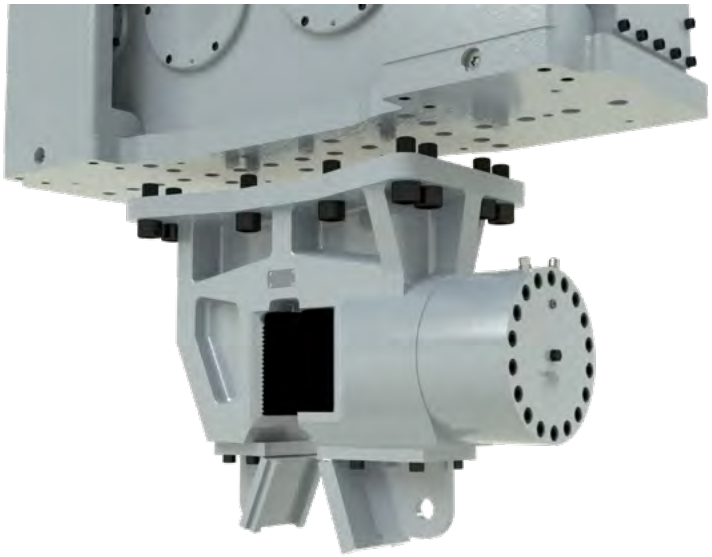
Clamps For Tube Piles

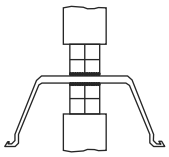


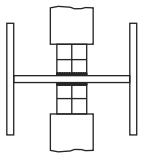


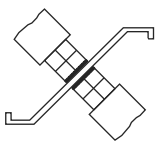
SCN Series

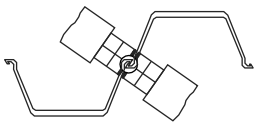
Hydraulic Clamps
For Sheet Piles

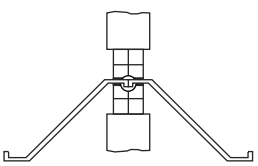


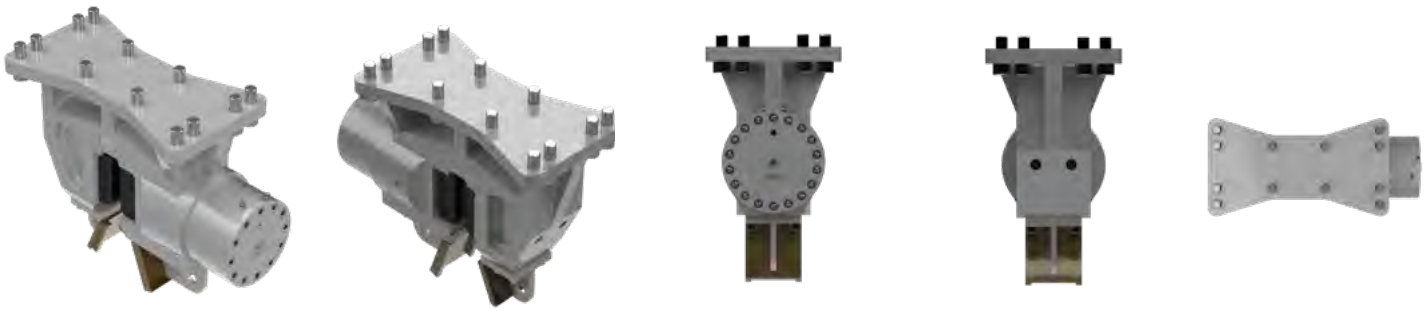




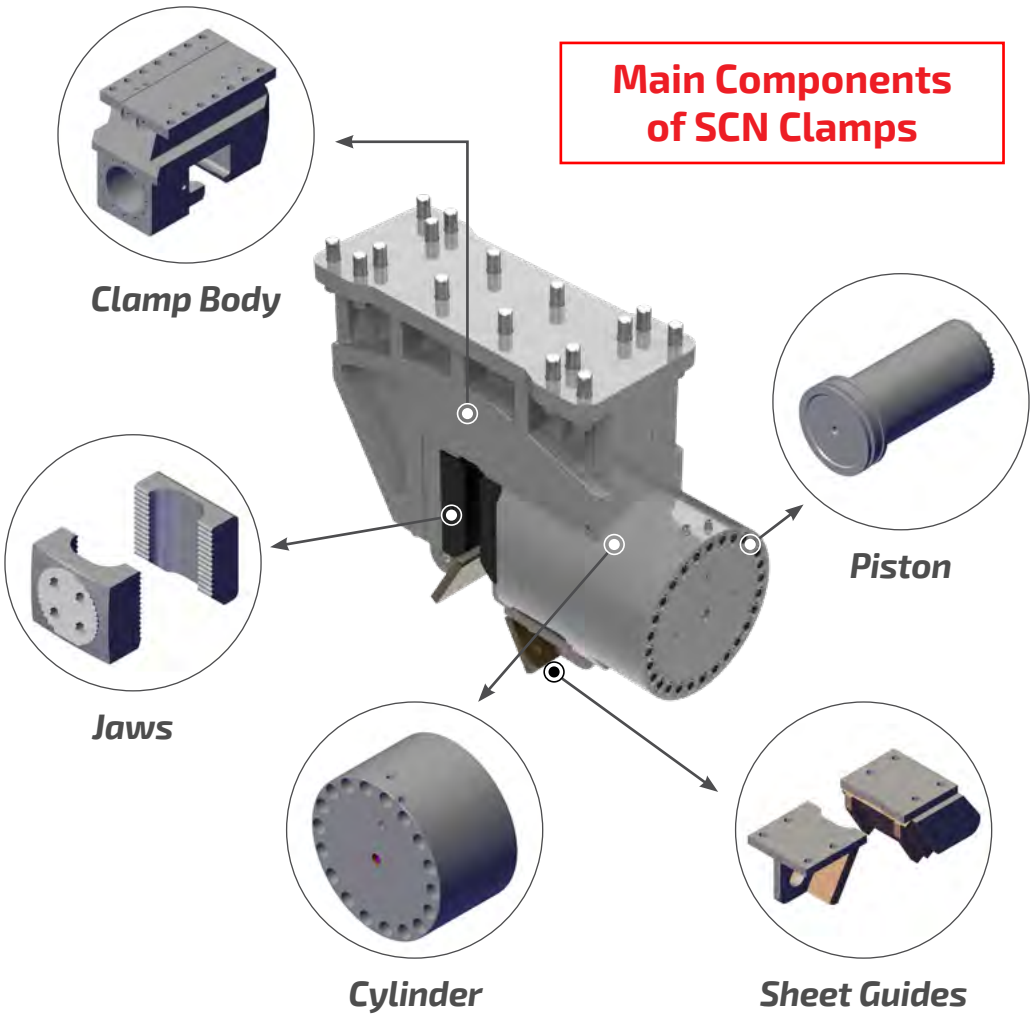






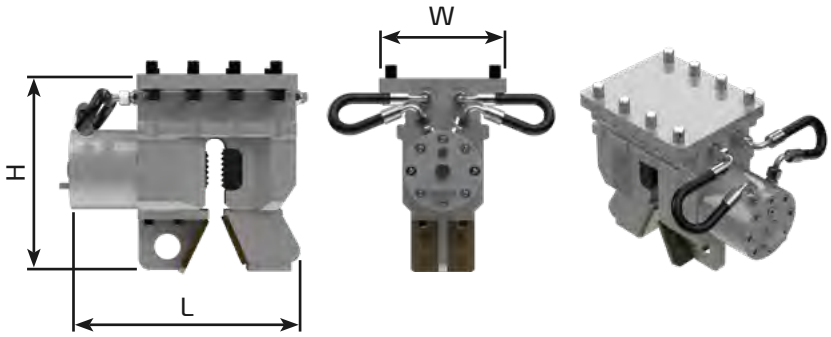


Main Components of SCN Clamps

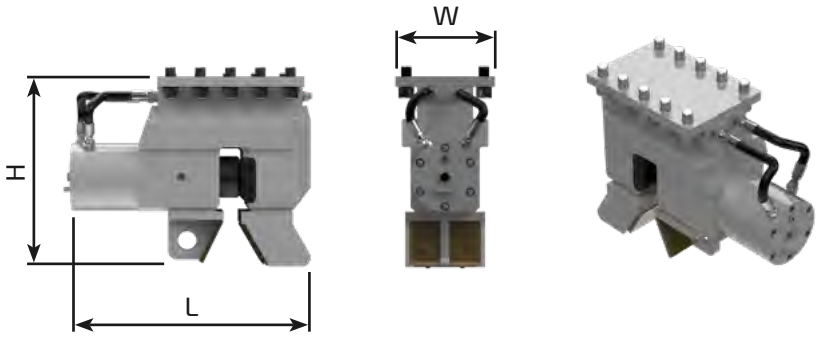


OMS clamps are manufactured from special alloy casting steel and have two gripping jaws. One is “fixed” and one is “moveable”. The hydraulic clamp contains a hydraulic cylinder which closes the moveable jaw with up to 320 bar of clamping pressure. The jaws open and close by pushing the “clamp open/close” switch on the remote control. Clamping and unclamping occur in a few seconds.

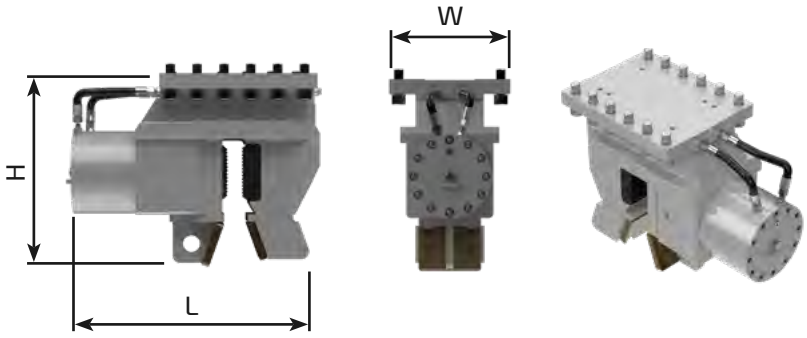
Technical Specifications of SCN Series Hydraulic Clamps



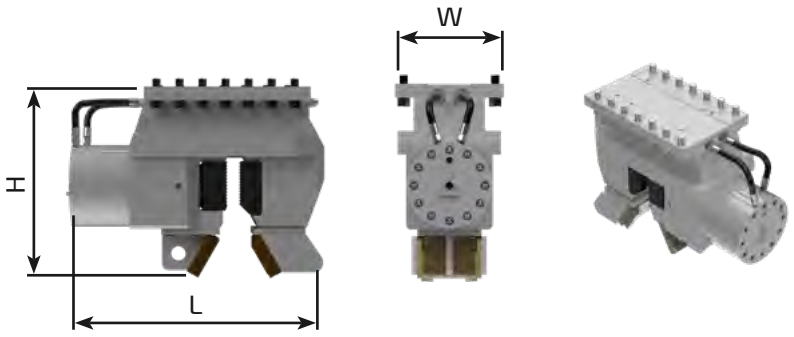
Technical Spec.		SCN 20
Clamping Force (kN/tons)	203	23
Weight (kg/lbs)	88	194
Working Pressure (bar/psi)	320	4641
L (mm/in)	407	16
W (mm/in)	220	9
H (mm/in)	339	13



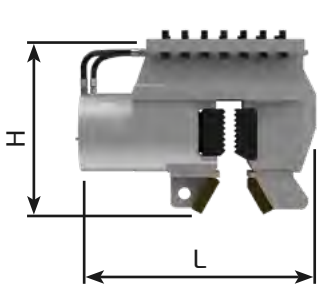
Technical Spec.		SCN 30
Clamping Force (kN/tons)	304	34
Weight (kg/lbs)	192	423
Working Pressure (bar/psi)	320	4641
L (mm/in)	585	23
W (mm/in)	230	9
H (mm/in)	448	18



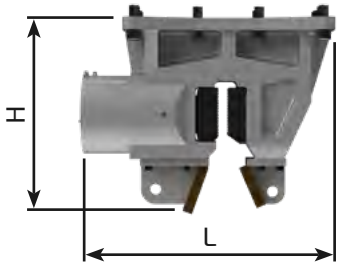
Technical Spec.		SCN 60
Clamping Force (kN/tons)	643	72
Weight (kg/lbs)	327	720
Working Pressure (bar/psi)	320	4641
L (mm/in)	677	27
W (mm/in)	320	13
H (mm/in)	508	20



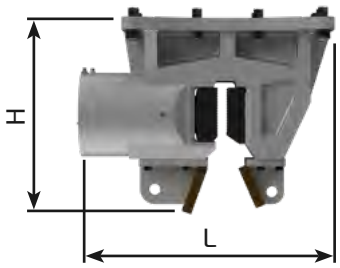
Technical Spec.		SCN 75
Clamping Force (kN/tons)	814	92
Weight (kg/lbs)	502	1107
Working Pressure (bar/psi)	320	4641
L (mm/in)	799	31
W (mm/in)	320	13
H (mm/in)	583	23



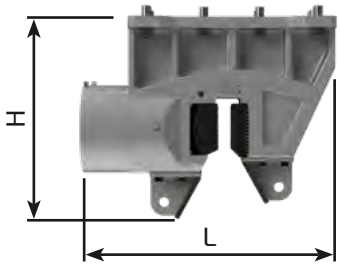
Technical Spec.		SCN 100
Clamping Force (kN/tons)	1005	113
Weight (kg/lbs)	620	1367
Working Pressure (bar/psi)	320	4641
L (mm/in)	879	35
W (mm/in)	320	13
H (mm/in)	631	25



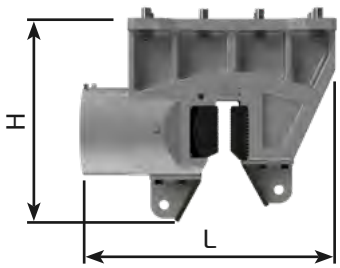
Technical Spec.		SCN 120
Clamping Force (kN/tons)	1216	137
Weight (kg/lbs)	851	1876
Working Pressure (bar/psi)	320	4641
L (mm/in)	1039	41
W (mm/in)	460	18
H (mm/in)	783	31



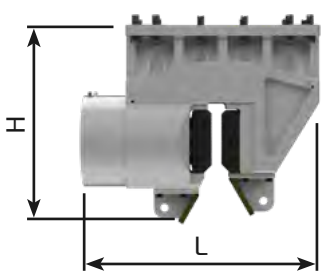
Technical Spec.		SCN 165
Clamping Force (kN/tons)	1700	191
Weight (kg/lbs)	866	1909
Working Pressure (bar/psi)	320	4641
L (mm/in)	1043	41
W (mm/in)	460	18
H (mm/in)	783	31



Technical Spec.		SCN 200
Clamping Force (kN/tons)	2262	254
Weight (kg/lbs)	1195	2635
Working Pressure (bar/psi)	320	4641
L (mm/in)	1143	45
W (mm/in)	460	18
H (mm/in)	904	36



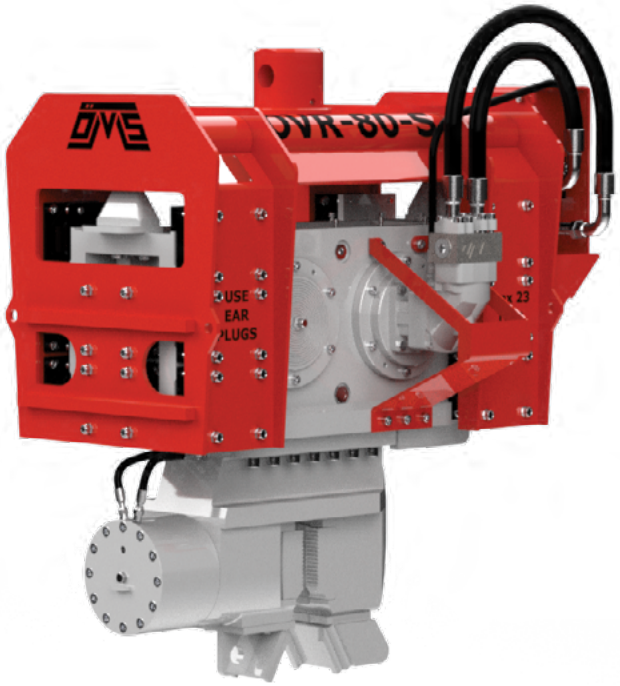
Technical Spec.		SCN 250
Clamping Force (kN/tons)	2262	254
Weight (kg/lbs)	1180	2601
Working Pressure (bar/psi)	320	4641
L (mm/in)	1143	45
W (mm/in)	400	16
H (mm/in)	904	36



Technical Spec.		SCN 350
Clamping Force (kN/tons)	3560	400
Weight (kg/lbs)	2560	5710
Working Pressure (bar/psi)	350	5076
L (mm/in)	1343	53
W (mm/in)	460	18
H (mm/in)	1134	45

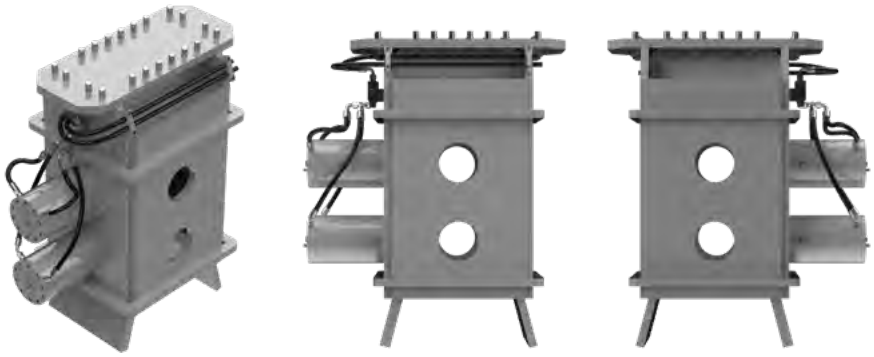
Images From SCN Series

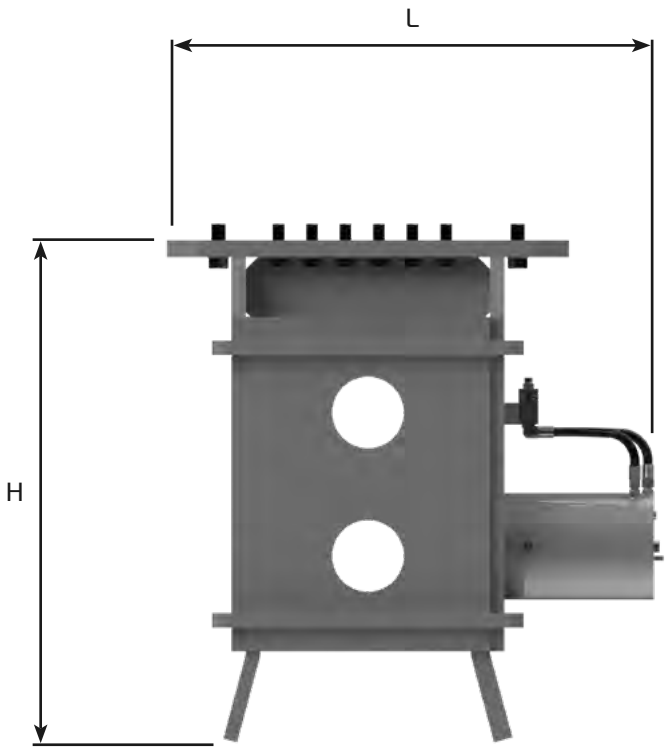
Clamps For Sheet Piles

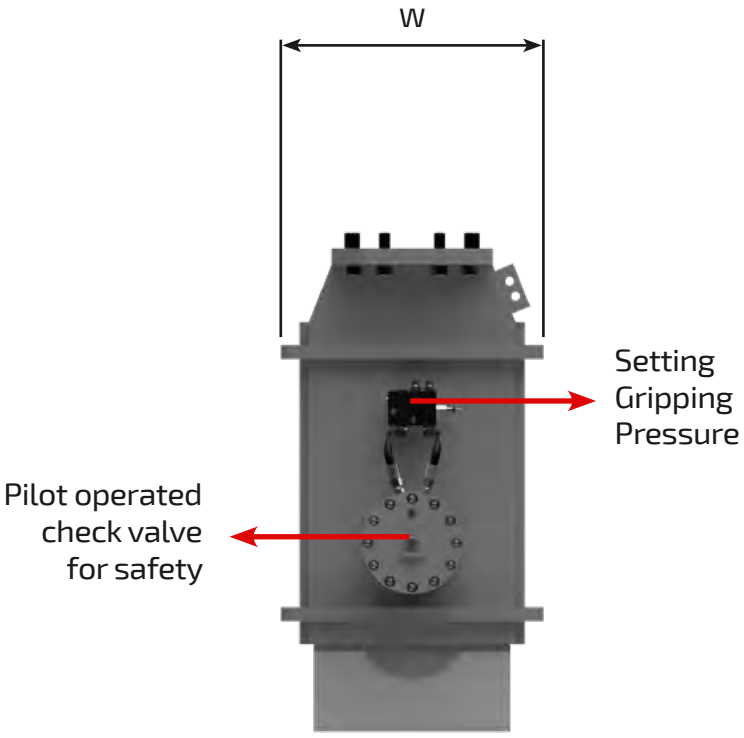


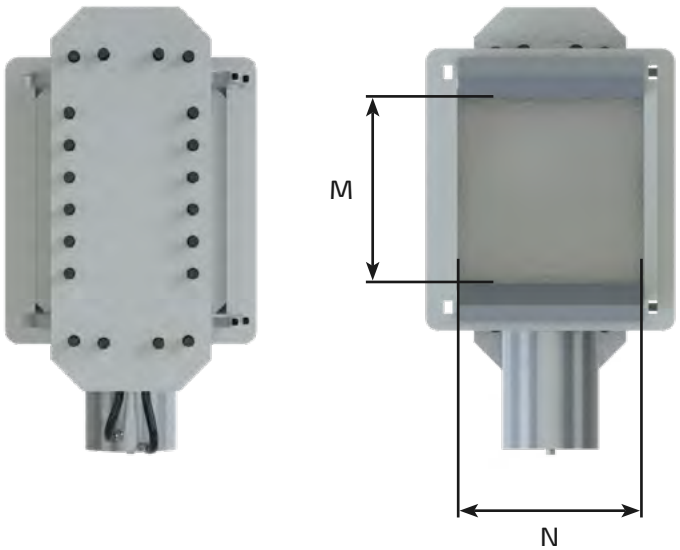
ACN Series

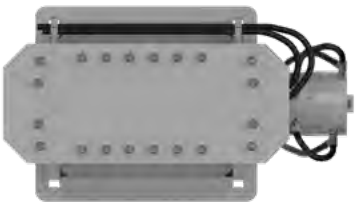
Hydraulic Clamps
For Timber Piles











Technical Spec.		ACN 60
Clamping Force (kN/tons)	643	72
Weight (kg/lbs)	732	1614
Working Pressure (bar/psi)	350	5076
L (mm/in)	1030	41
W (mm/in)	570	22
H (mm/in)	1060	42
M x N (mm/in)	430x430	17x17

Technical Spec.		ACN 90
Clamping Force (kN/tons)	930	105
Weight (kg/lbs)	880	1940
Working Pressure (bar/psi)	350	5076
L (mm/in)	1030	41
W (mm/in)	570	22
H (mm/in)	1190	47
M x N (mm/in)	430x430	17x17

Technical Spec.		ACN 120
Clamping Force (kN/tons)	1246	140
Weight (kg/lbs)	1011	2229
Working Pressure (bar/psi)	350	5076
L (mm/in)	1037	41
W (mm/in)	570	22
H (mm/in)	1390	55
M x N (mm/in)	430x430	17x17

Technical Spec.		ACN 180
Clamping Force (kN/tons)	1930	217
Weight (kg/lbs)	1817	4006
Working Pressure (bar/psi)	320	4641
L (mm/in)	1120	44
W (mm/in)	670	26
H (mm/in)	2255	89
M x N (mm/in)	530x530	21x21

OMS Vibro Website

OMS Clamps

OMS Pile Driving Equipment

oms@omsvibro.com

/ omsvibro

OMS Hydraulic Clamp Catalog

OMS has the right to change indicated technical data without prior notice.

www.omsvibro.com