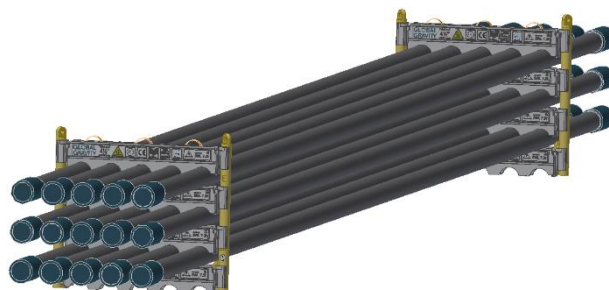


Datasheet 0450TU-1000-3-E

SWL	7,3 t
Pipe OD	4-1/2"
Maximum weight per pipe	473kg
Pipe capacity per system	15
M20 Bolt length	200mm
Lifting pole	LP - E
H-Profile	0450TU-1000
TL weight per system	203 kg

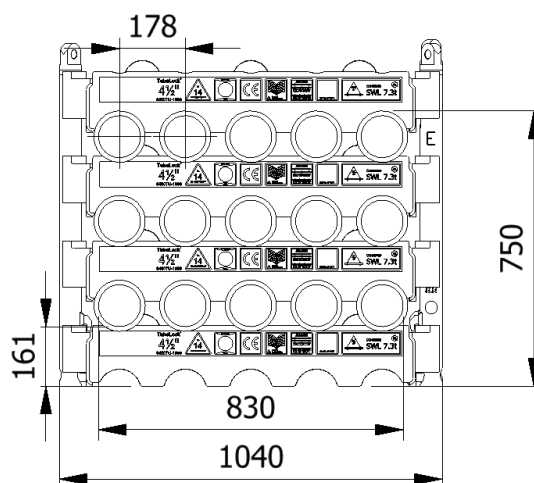


CODES AND STANDARDS

- DNVGL-ST-0378
- NORSOK R-002
- LOLER 1998 Lifting operation and lifting equipment regulations
- ILO Conversation No. 152
- CE declaration of conformity
- Machinery Directive: MD2006/42/EC

TEST

- Load Test 2X SWL on 5% per batch
- NDT 100% of Primary per batch before and after test



H-Profile



Lifting Pole

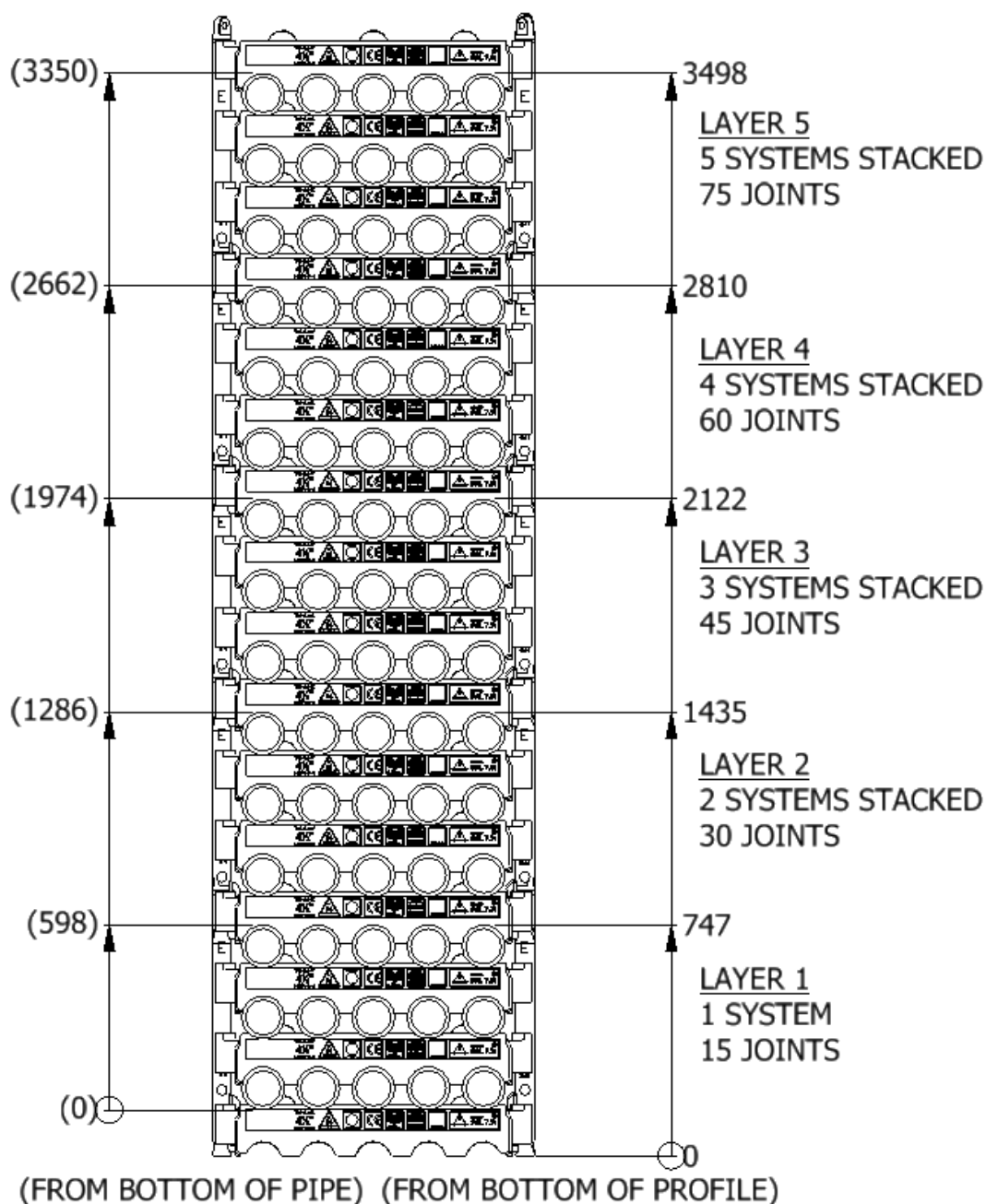


Stacking

Systems Stacked	Height (mm)	Joints	Supported	Truck	Boat	Rig	Yard
1	747	15		x	x	x	x
2	1435	30		x	x	x	x
3	2122	45		(x)		x	x
4	2810	60	x			x	x
5	3498	75	x			x	x

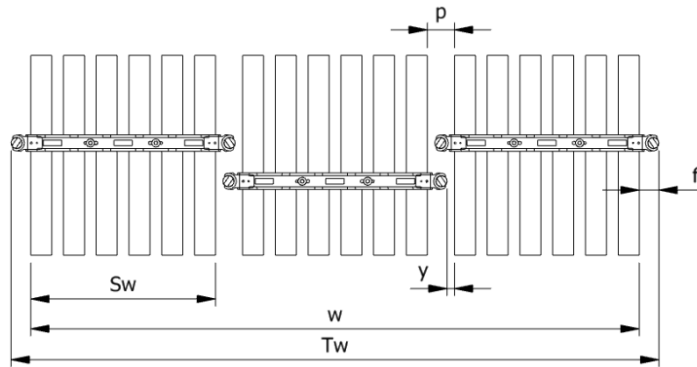
(x): Depending on Truck set-up and regulation

All sketch dimensions in mm



Spacing

Status	w (width) n (number of rows)	S _w (system width)	k(constant)	y(info)	p(info)	T _w (total width)	f(constant)
Storages	$w = S_w + k \cdot (n - 1)$	826	932	0	106	$T_w = w + 2f$	106
Running on rig	$w = S_w + k \cdot (n - 1)$	826	972	40	146	$T_w = w + 2f$	106



Example: Top view of Systems

Example:
Spacing of 3 systems

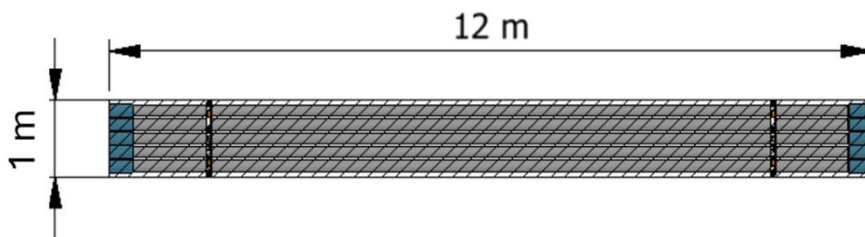
$$w = S_w + k \cdot (n - 1) = 826 + 972 \cdot (3 - 1) = 2770$$

$$T_w = w + 2f = 2770 + 2 \cdot 106 = 2982 \text{ mm}$$

The width “w” is the distance between the 2 outer most pipes
The total width “T_w” is between the 2 outer most Lifting Poles

Footprint

The figure below shows the footprint surface area of a TubeLock® system.
Each additional system stacked, will be added to the total footprint.



System Stacked	Footprint
1	6 kN/m ²
2	12 kN/m ²
3	18 kN/m ²
4	24 kN/m ²
5	30 kN/m ²