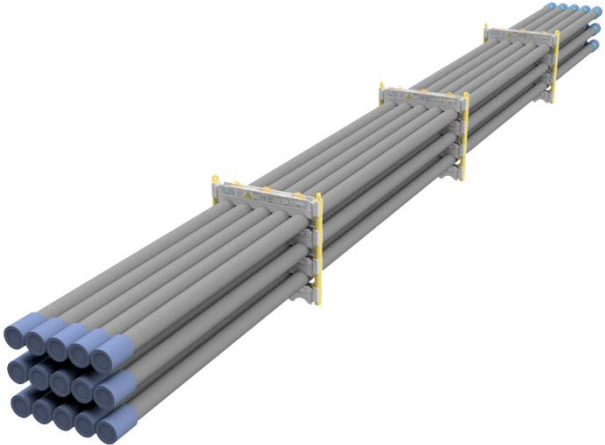


Data sheet 0550TU-1000-3-F	
SWL	6 t
Pipe OD	5 1/2"
Maximum pipe weight	385kg
Pipe capacity per system	15
M20 Bolt length	220mm
Lifting pole	LP - F
H-Profile	0550TU-1000
TL weight per system	220 kg



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

DNVGL: Relevant sections used for design

- Recommended practice DNV-RP-C205: Environmental conditions and environmental loads. October 2010
- DNV-OS-C101: Design of offshore steel structures, general (LRFD method), April 2011
- DNV rules for planning and execution of marine operations: Part 2. Chapter 5: Lifting January 1996
- DNV Standard for certification No. 2.7-1 offshore containers April 2006.

NOBLE DENTON

- General guidelines for marine transportations 0030/ND Rev. 4.

TEST

- Load Test 2X SWL on 20% per batch
- NDT 100% of Primary per batch before and after

CALCULATIONS CONDITIONS

Jacked up	52.5 m above LAT
Stacking	4.5 m
Sea Transportations	Vessel – L < 140 m B < 30 m

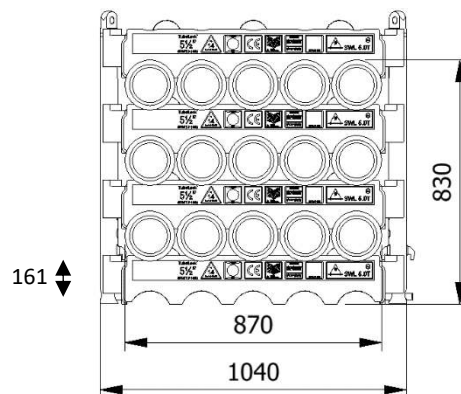
WIND

Stacked	50 m/s
Jacked up	50 m/s
Sea Transportation	30 m/s
Lifting	44 m/s

SEA STATE

Pitch	12.5° – 10 sec
Roll	20.0° – 10 sec

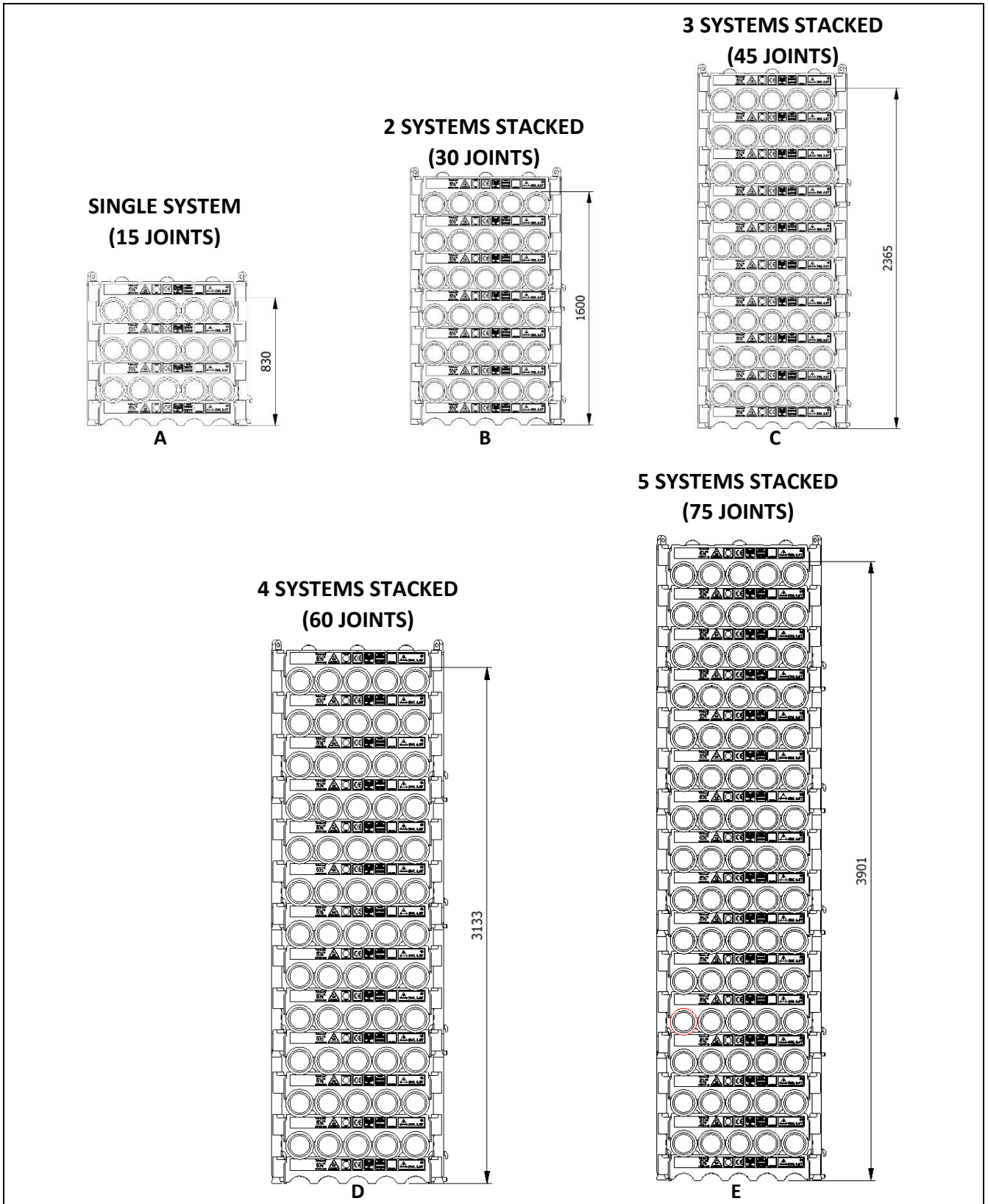
* Check user manual for stacking instructions



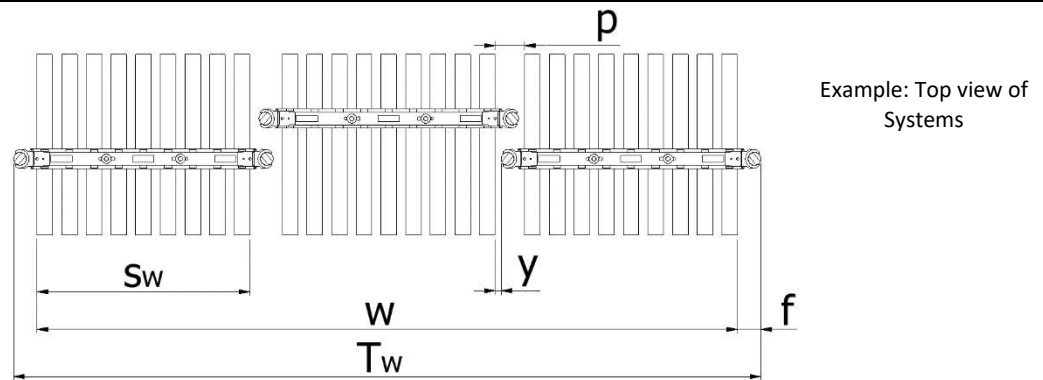
Stacking								
Sketch	Systems Stacked	Height (mm)	Joints	Support Required	Truck	Boat	Rig	Yard
A	1	830	15		X	X	X	X
B	2	1600	30		X	X	X	X
C	3	2365	45		(X)		X	X
D	4	3133	60	X			X	X
E	5	3901	75	X			X	X

(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	$w = S_w + k \cdot (n - 1)$	870	970	0	100	$T_w = w + 2f$	100
Running on rig	$w = S_w + k \cdot (n - 1)$	870	1010	40	140	$T_w = w + 2f$	100



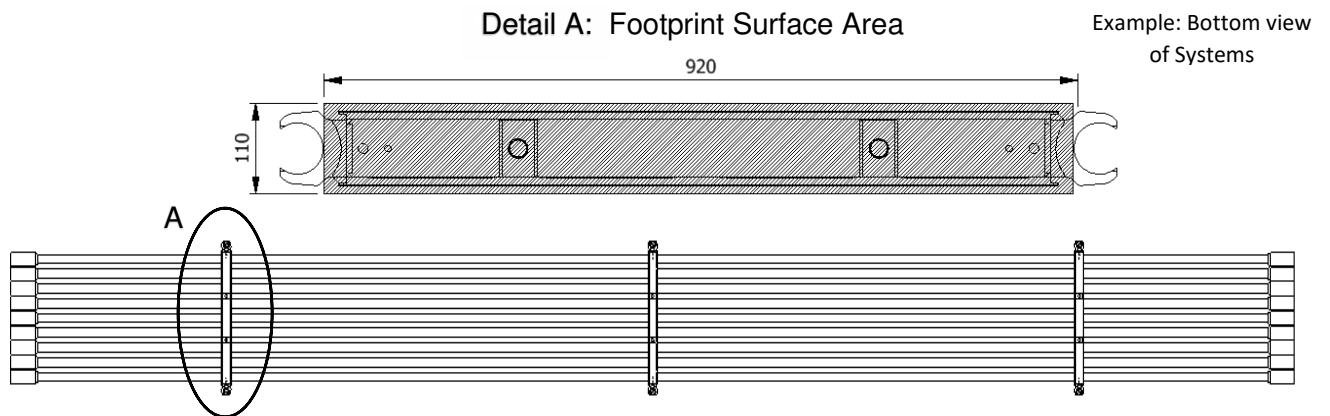
Example:
Spacing of 3 systems

$$w = S_w + k \cdot (n - 1) = 870 + 970 \cdot (3 - 1) = 2810\text{mm}$$

$$T_w = w + 2f = 2810 + 2 \cdot 100 = 3010\text{mm}$$

The width “w” for spacing of systems is 2810mm from the first pipe to the last and the total width “ T_w ” is 3010mm between the 2 outer most Lifting Poles.

Footprint



System Stacked	Max Footprint at 6t (A)	Max Footprint at 5t (A)	Max Footprint at 4t (A)
1	197.5 kN/m ²	164.6 kN/m ²	131.7 kN/m ²
2	395.1 kN/m ²	329.2 kN/m ²	263.4 kN/m ²
3	592.6 kN/m ²	493.8 kN/m ²	395.1 kN/m ²
4	790.2 kN/m ²	658.5 kN/m ²	526.8 kN/m ²
5	987.7 kN/m ²	823.1 kN/m ²	658.5 kN/m ²