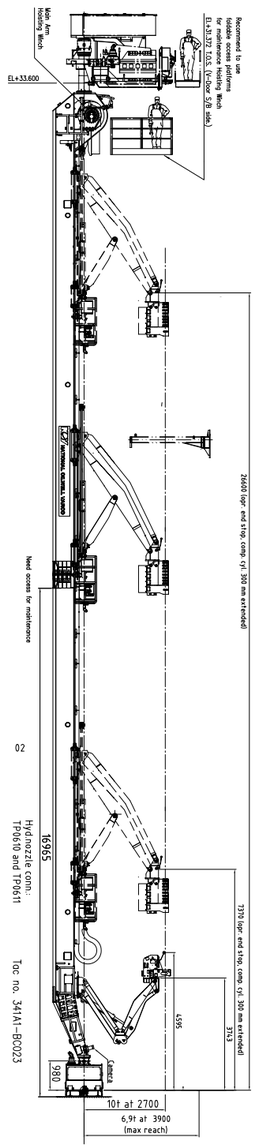
Parallel Racking Pipe Handling

*For reference only, please contact your local sales contact for more information.

Hydraracker III™

The HydraRacker III is a manual, semi-automatic and automatic two-arm system. Two trolleys carry the column. The lower trolley runs on rail on main deck, the upper trolley runs on beam attached to the derrick. A hoisting Winch, sited on the upper part of the column, performs the hoisting by lifting the Main Arm. The Main is equipped with a clamping Grip Head for lifting the stand and a Guide Claw to support the stand when gripper head changing grip at the stand during stand building/ break down. The Tail arm is fixed in the lower section of the column and is equipped with a Guide Head for horizontal guiding. All components are designed for offshore duty in a highly saline atmosphere with high humidity.

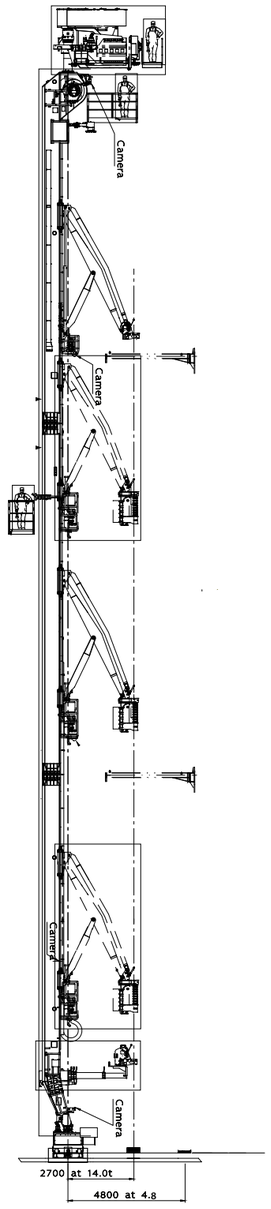


SWL		Maximum Reach	
TONS	MT	METERS	INCHES
11.0	10	2.7	106.3
7.6	6.9	3.9	153.5

Technical Specifications	
Weight	122,356 lbs (55,499 kg)
Max. Column Height (Vertical)	110'
Max Reach Out (m)	3.9m
Vertical Travel (m)	67.25 ft (20.5M)
Hoist Capacity	106'' Arm Ext. 22,046 Lbs 154'' Arm Ext. 15,212 Lbs
Hoisting Arm Reach (Horizontal)	154'' Max 35'' Min
Column Rotation	180 degrees
Arms	2
TUBULAR CAPACITIES	
Pipe Size	Triple, Range II
Diameter (in) standard	3 1/2'' – 13 5/8''
UTILITY REQUIREMENTS	
Number of Motors	4 Hydraulic
Stand Building	Y
Riser Handling	N
Thread Comp	N
Hoisting Mechanism	Single Hydraulic Winch
Prime Mover	Hydraulic Motors & Cylinders
Column Travel	Dual Synchronized but Independent Drives

Hydraracker IV ER™

The HydraRacker IV ER is a manual, semi-automatic and automatic three-arm system. Two trolleys carry the column. The Lower trolley runs on rail on drillfloor, the Upper Trolley runs on beam attached to the derrick. A Hoisting Winch, sited on the upper part of the column, performs the hoisting by lifting the Main Arm. The Main Arm is equipped with a clamping Gripper Head for lifting the stand and a Guide Claw to support the stand when gripper head changing grip at the stand during stand building/ break down. The Tail Arm is fixed in the lower section of the column and the Upper Guide Arm is fixed in the upper section of the column. All components are designed for offshore duty in a highly saline atmosphere with high humidity.



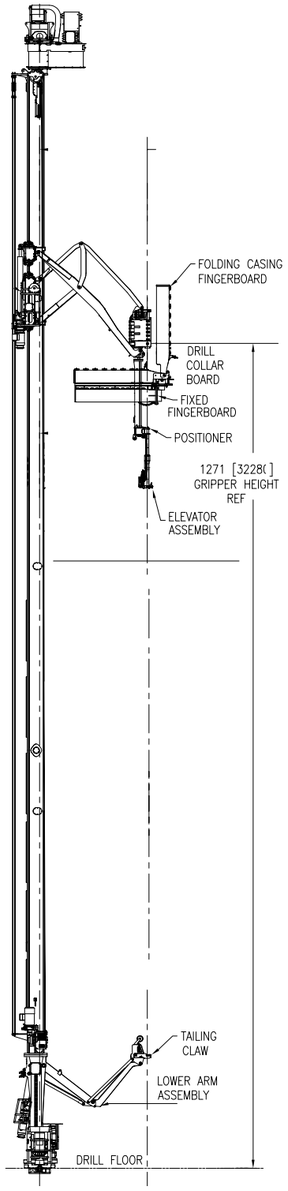
SWL		Maximum Reach	
TONS	MT	METERS	INCHES
16.5	15	2.7	106.3
13.8	12.5	3.3	153.5
11.0	10	3.9	153.5
7.7	7	4.8	189.0

Technical Specifications	
Weight	97,886 lbs (89,760kg)
Max. Column Height (Vertical)	145'
Max Reach Out (m)	4.8m
Vertical Travel (m)	78.74 ft (24M)
Hoist Capacity	160'' Arm Ext. 30,864 Lbs 188'' Arm Ext. 9,920 Lbs
Hoisting Arm Reach (Horizontal)	188'' Max. 35'' Min.
Column Rotation	180 Degrees
Arms	3
TUBULAR CAPACITIES	
Pipe Size	Quad, Range II & III
Diameter (in) standard	2 7/8'' - 14''
UTILITY REQUIREMENTS	
Number of Motors	7 Hydraulic
Stand Building	Y
Riser Handling	N
Thread Comp	N
Hoisting Mechanism	Single Hydraulic Winch
Prime Mover	Hydraulic Motors & Cylinders
Column Travel	Dual Synchronized but Independent Drives

PRS-6™

The PRS-6 consists of a vertical column assembly that traverses the rig floor between well center and pipe setback area to support tripping operations. The column rides on a lower drive assembly, which guides and drives the column along a drive track mounted on the rig floor. The upper end of the column is guided on a similar track, which spans the rig and is pinned at both ends to customer supplied derrick mounting structures. The lower drive assembly turns a shaft in the center of the column that has gears on each end to engage into their respective drive track. Driving timing between the lower and upper portion of the column is achieved through this drive shaft, keeping the column vertically aligned. The PRS-6 uses two arm assembly for guiding tubular stand and singles.

Pipe handling operations between well center and the setback area, and within the setback area are performed by extending or retracting the arms, hoisting or lowering the upper arm, rotating the column and driving the column laterally across the drill floor.



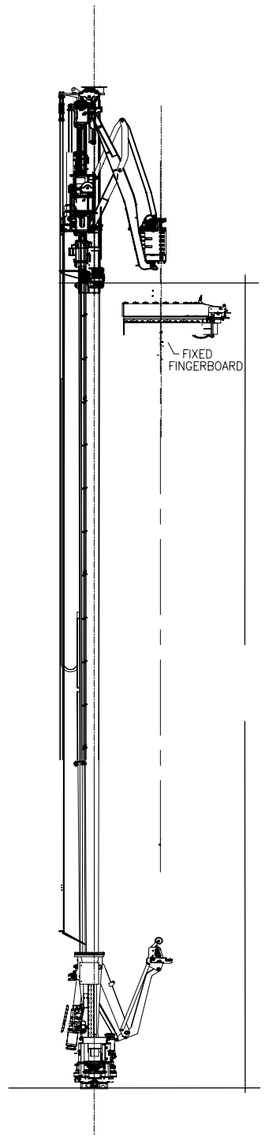
SWL		Maximum Reach	
TONS	MT	METERS	INCHES
11.0	9.98	3.0	120.0
7.3	6.6	4.6	180.0

Technical Specifications	
Weight	137,342 lbs (62,297 kg)
Max. Column Height (Vertical)	148'
Max Reach Out (m)	12' (3.7m); 15' (4.6 m)* (optional)
Vertical Travel (m)	130.5 ft (39.7M)
Hoist Capacity	120'' Arm Ext. 22,000 Lbs 180'' Arm Ext. 14,667 Lbs
Hoisting Arm Reach (Horizontal)	180'' Max 38'' Min
Column Rotation	270 Degrees
Arms	2
TUBULAR CAPACITIES	
Pipe Size	Rng II Qds, Rng III Tpl
Diameter (in) standard	3 1/2'' – 13 5/8''
UTILITY REQUIREMENTS	
Number of Motors	6 Electric
Stand Building	Y
Riser Handling	Y
Thread Comp	Y
Hoisting Mechanism	Dual Electric Motor
Prime Mover	Electric
Column Travel	Mechanical Main Shaft through Column

PRS-4™

The PRS-4 consists of a vertical column assembly that traverses the rig floor between well center and pipe setback area to support tripping operations. The column rides on a lower drive assembly, which guides and drives the column along a drive track mounted on the rig floor. The upper end of the column is guided on a similar track, which spans the rig and is pinned at both ends to customer supplied derrick mounting structures. The lower drive assembly turns a shaft in the center of the column that has gears on each end to engage into their respective drive track. Driving timing between the lower and upper portion of the column is achieved through this drive shaft, keeping the column vertically aligned. The PRS-4 uses two arm assembly for guiding tubular stand and singles.

Pipe handling operations between well center and the setback area, and within the setback area are performed by extending or retracting the arms, hoisting or lowering the upper arm, rotating the column and driving the column laterally across the drill floor.



SWL		Maximum Reach	
TONS	MT	METERS	INCHES
11.0	9.98	3.0	120.0
7.3	6.6	4.6	180.0

Technical Specifications	
Weight	139,902 lbs (63,459kg)
Max. Column Height (Vertical)	106'
Max Reach Out (m)	12' (3.7m); 15' (4.6 m)* (optional)
Vertical Travel (m)	130.5 ft (39.7M)
Hoist Capacity	120'' Arm Ext. 22,000 Lbs 180'' Arm Ext. 14,667 Lbs
Hoisting Arm Reach (Horizontal)	180'' Max 38'' Min
Column Rotation	270 Degrees
Arms	2
TUBULAR CAPACITIES	
Pipe Size	Rng II Tpl, Rng III Dbl
Diameter (in) standard	3 1/2'' – 13 5/8''
UTILITY REQUIREMENTS	
Number of Motors	6 Electric
Stand Building	Y
Riser Handling	Y
Thread Comp	Y
Hoisting Mechanism	Dual Electric Motor
Prime Mover	Electric
Column Travel	Mechanical Main Shaft through Column

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