

⊕ B.S.CRANE

# ***PRODUCTS MANUAL***

**Marine Crane**

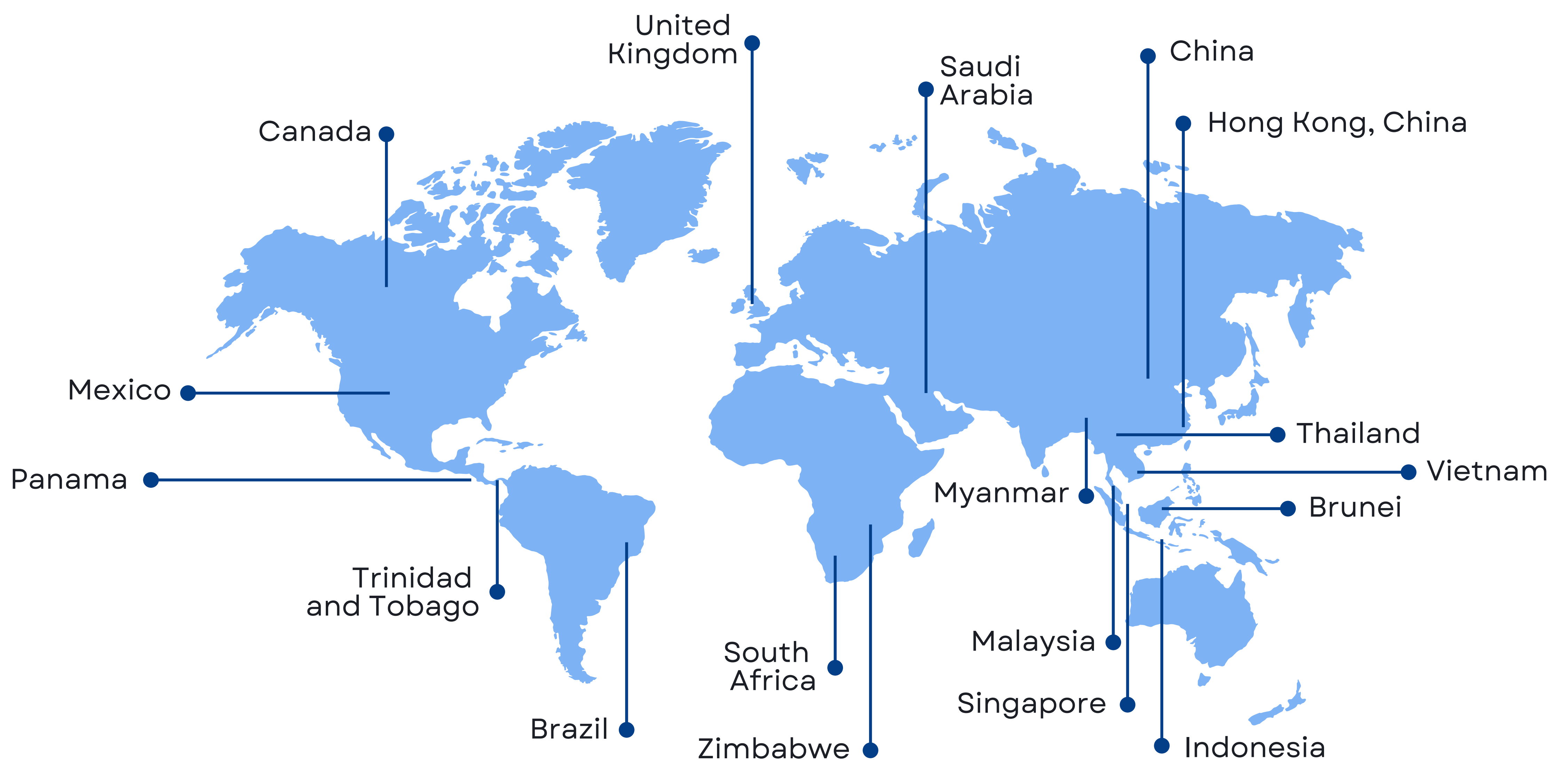


[www.bs craneasia.com](http://www.bs craneasia.com)





# COMPANY PROFILE



Established in 1984 and headquartered in Hong Kong, BS Crane has grown to become a trusted global manufacturer of high-performance cranes. With over four decades of experience, our cranes are widely used across industries such as construction, infrastructure, logistics, marine, railway maintenance, and military operations. Our products are exported to regions including Europe, the UK, Canada, Singapore, Hong Kong, Malaysia, Indonesia, and beyond.

We specialize in delivering reliable lifting solutions tailored to both civilian and specialized applications. From marine cranes, truck-mounted cranes, and platform cranes to advanced equipment designed for railway maintenance and military missions, BS Cranes are engineered to perform under pressure and deliver consistent performance even in the most demanding environments.

Our product range is built with precision engineering, incorporating advanced hydraulic systems, modular designs, and user-friendly controls. Each model is rigorously tested to meet international safety and quality standards, ensuring durability, efficiency, and operator safety. We offer a comprehensive lineup that includes truck-mounted cranes, marine cranes, platform cranes, railway maintenance cranes, and military-specialized lifting equipment.

At BS Crane, we prioritize innovation and continuous improvement. By investing heavily in research and development, we stay at the forefront of crane technology, introducing smart control systems, energy-efficient components, and enhanced structural integrity into our designs. This commitment to progress allows us to break industry barriers and provide cutting-edge solutions for large-scale and specialized hoisting needs.

Our production and manufacturing facility is located in Guangzhou, China, where we ensure strict quality control throughout the manufacturing process. All our cranes undergo extensive testing and certification procedures, and come with comprehensive technical documentation and support to guarantee safe and efficient operation. With a strong global presence, BS Crane supports customers through an established network of distributors and service centers, ensuring timely assistance and after-sales support no matter where you are located. As a customer-centric company, we work closely with clients to understand their unique requirements and offer customized configurations, on-site training, and dedicated technical support. Our goal is to build long-term partnerships based on trust, reliability, and mutual growth. Looking ahead, we continue to expand our global footprint while maintaining our leadership in the crane industry. Through strategic partnerships and technological advancements, we remain focused on delivering innovative, high-quality lifting solutions that set new benchmarks in performance, safety, and intelligent operation.



# PRODUCTION FACILITY



## ◆ Strategic Headquarters

Our state-of-the-art headquarters serves as the nerve center for innovation, design, and global operations. Equipped with advanced R&D labs and engineering centers, this facility drives the development of cutting-edge crane technologies, ensuring every solution meets the highest industry standards for safety, efficiency, and performance.

## ◆ World-Class Manufacturing Excellence

Located in Guangzhou, our expansive manufacturing plant integrates automated production lines, rigorous quality control systems, and a highly skilled workforce. From raw material processing to final assembly, every stage adheres to strict safety and performance benchmarks, guaranteeing durability and reliability in every BS Crane product.







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# MARINE CRANE

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## ◆ ***Corrosion-Resistant Design for Harsh Environments***

Built to withstand the toughest marine conditions, our cranes feature high-grade anti-corrosion treatments, marine-grade coatings, and sealed components. This ensures long-term durability and performance in offshore, dockside, and shipboard applications.

## ◆ ***Reliable Performance at Sea***

Equipped with robust hydraulic systems and precision control valves, these cranes deliver stable and consistent lifting even in dynamic marine conditions. Engineered for continuous operation, they provide dependable performance for loading, unloading, and material handling on deck or at port.

## ◆ ***Compact, Flexible Handling***

The articulated knuckle boom design allows for tight folding and excellent maneuverability in restricted spaces, such as vessel decks or platform corners. Fast deployment and smooth motion make them ideal for working around onboard structures and other equipment.

## ◆ ***Multi-Purpose Marine Applications***

Our marine knuckle boom cranes are suited for a wide range of maritime tasks—from handling cargo and supplies to supporting offshore construction, fishery operations, and emergency recovery. With various capacities and configurations, they adapt easily to both coastal and offshore missions.



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**Standard Supply and Marine Treatment**

- Round Base with Double Rack and Pinion or Slewing Bearing
- 316L Stainless Steel Fitting
- Pedestal Control

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**Marine Painting:**

- 1st phase :
- Sandblasting and application of Epoxy Primer 90 µm
- 2nd phase :
- Bi-component polyamide adduct cured of Epoxy primer 90 µm
- 3rd phase :
- Bi-component polyurethane coating cured with aliphatic isocyanate finish 70 µm
- 4th phase :
- Final Paint Baking

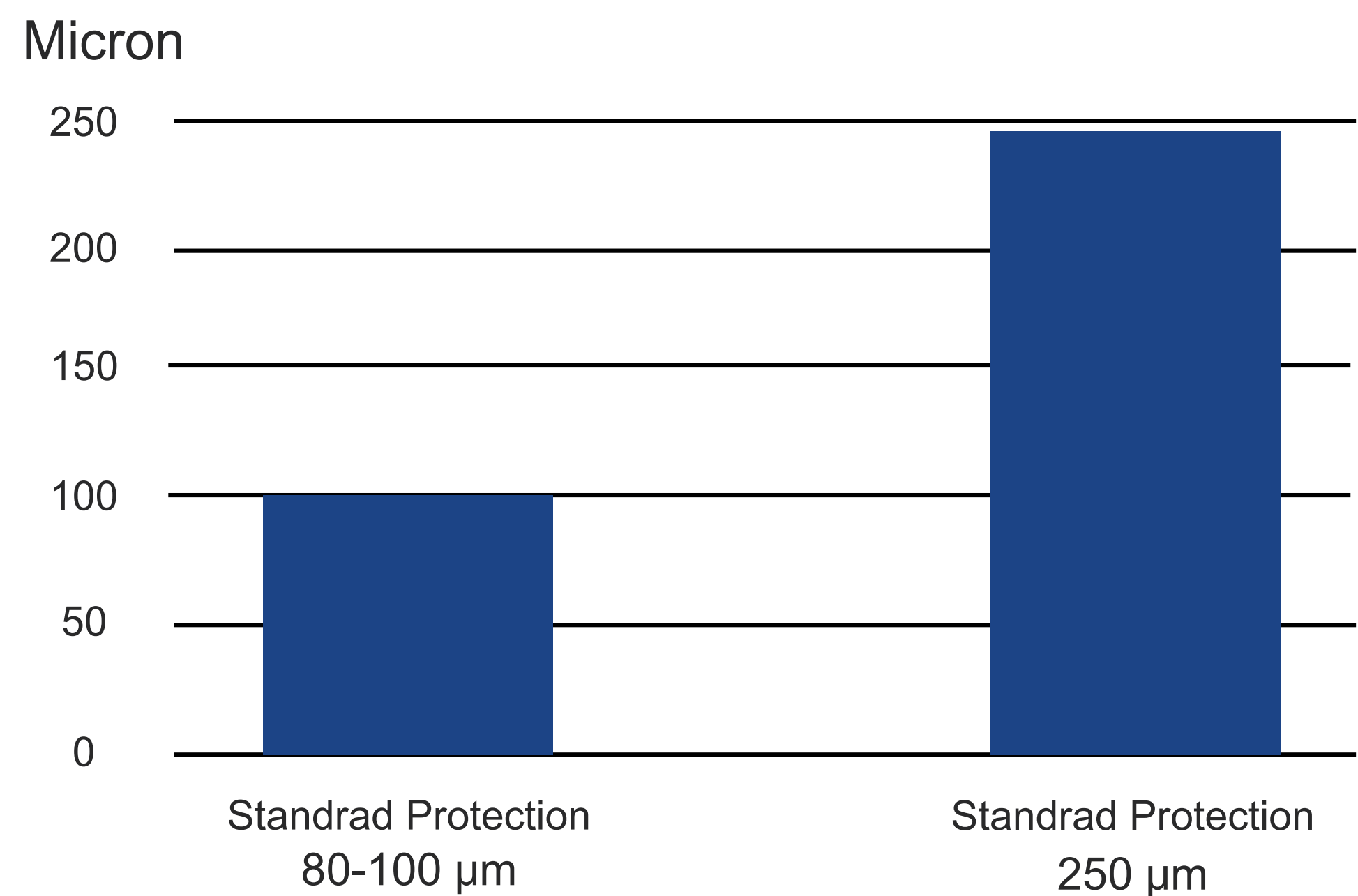
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**Marine Chrome Plating**

Double chrome plating on cylinder rods and pins (average 50 µm)

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**Total Paint Thickness +140%**



PEDESTAL CONTROL

Designed for marine use, our pedestal control offers ergonomic, clear sightlines for precise, confident crane operation in all conditions.



DOUBLE RACKING AND PINION SLEWING

Our double racking and pinion slewing ensures smooth, precise rotation and excellent load stability for reliable performance in tough marine environments.



SLEWING BEARING

Our heavy-duty slewing bearing ensures smooth rotation, high load capacity, and durable, low-maintenance performance for marine applications.



316 L STAINLESS STEEL FITTING

Crafted from corrosion-resistant 316L stainless steel, our fittings offer superior durability and are ideal for harsh, demanding marine environments.



# APPLICATIONS

## ◆ Our Cranes in Action

B.S. MARINE Cranes operate worldwide on vessels, and boats or in quay side installations, delivering reliable, efficient performance in demanding marine environments and ensuring safe, smooth handling for a wide range of applications.



**ACQUACULTURE**  
Feed barges, Service vessels,  
Catamarans



**FISHING**  
Fishing boats, Fishing Harbours



**TUGS AND WORKBOATS**  
Tug boats, Multicats, Utility support  
vessels, Research vessels, Oil spill  
response vessels



**WIND PARKS**  
Ferry boats, Landing crafts



**FERRY, CRUISE  
AND YACHT**  
Ferry boats, Landing crafts



**RIVER AND LAKES**  
Pontoons, River cleaning  
workboats, Barges, Dredgers



**QUAY SIDE**  
Harbours, Marinas



**NAVY AND COASTGUARD**  
Patrol boats, Pilot boats, Cutter vessels,  
Firefighting boats

# OPTIONAL ITEM



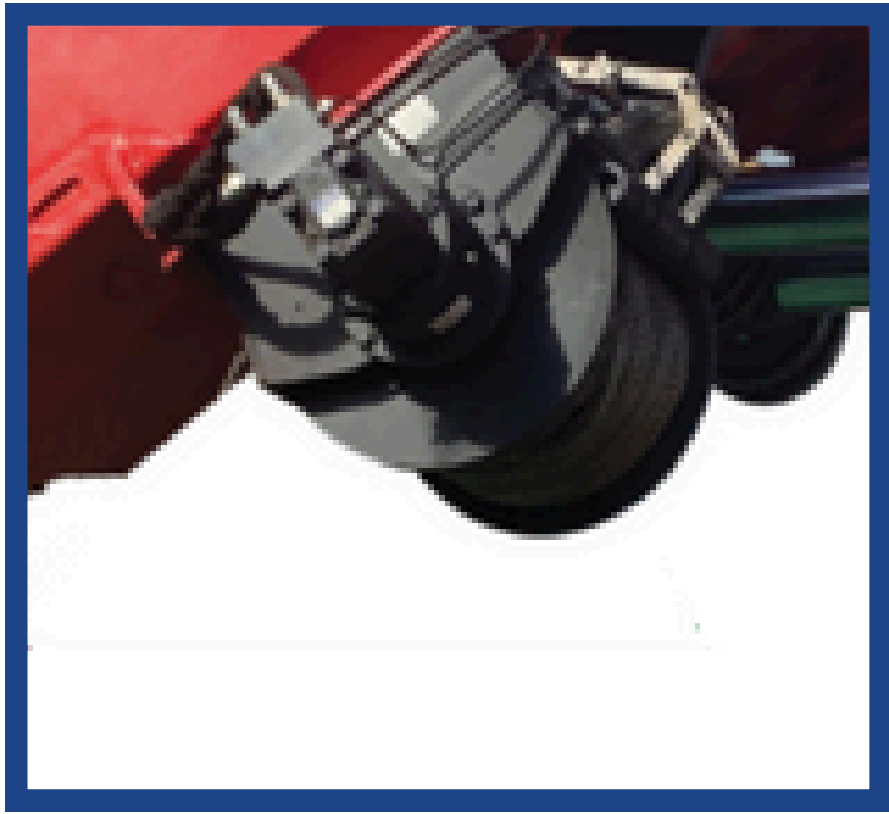
### TOP SEAT

Offers clear visibility and intuitive  
controls for safe, precise marine  
crane operation.



### CERAMIC COATING CYLINDER

Features a durable ceramic-coated surface for  
superior corrosion resistance, reduced wear, and  
extended service life in harsh marine environments.



### WINCH

Delivers powerful, smooth, and  
reliable lifting for demanding marine  
operations.



### RADIO REMOTE CONTROL

Enables safe, precise crane operation  
with reliable, user-friendly wireless  
control from a distance.



### HYDRAULIC POWER PACK

Provides reliable, efficient hydraulic power for  
smooth, precise crane operation, built to  
perform in demanding marine conditions.



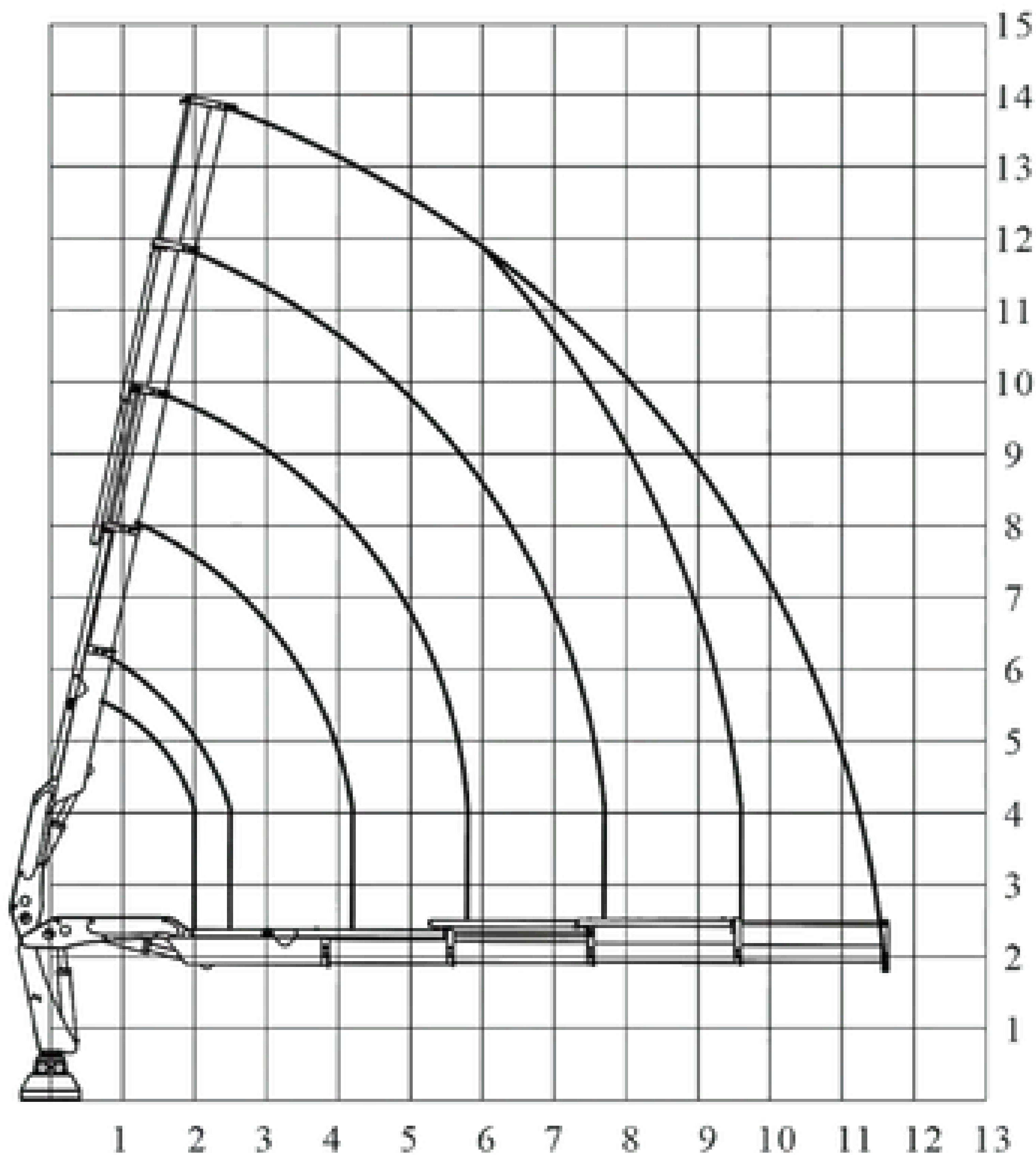
### BUCKET

Designed for tough marine tasks, our bucket offers  
strong, reliable handling of bulk materials with  
durable construction for long-lasting performance.

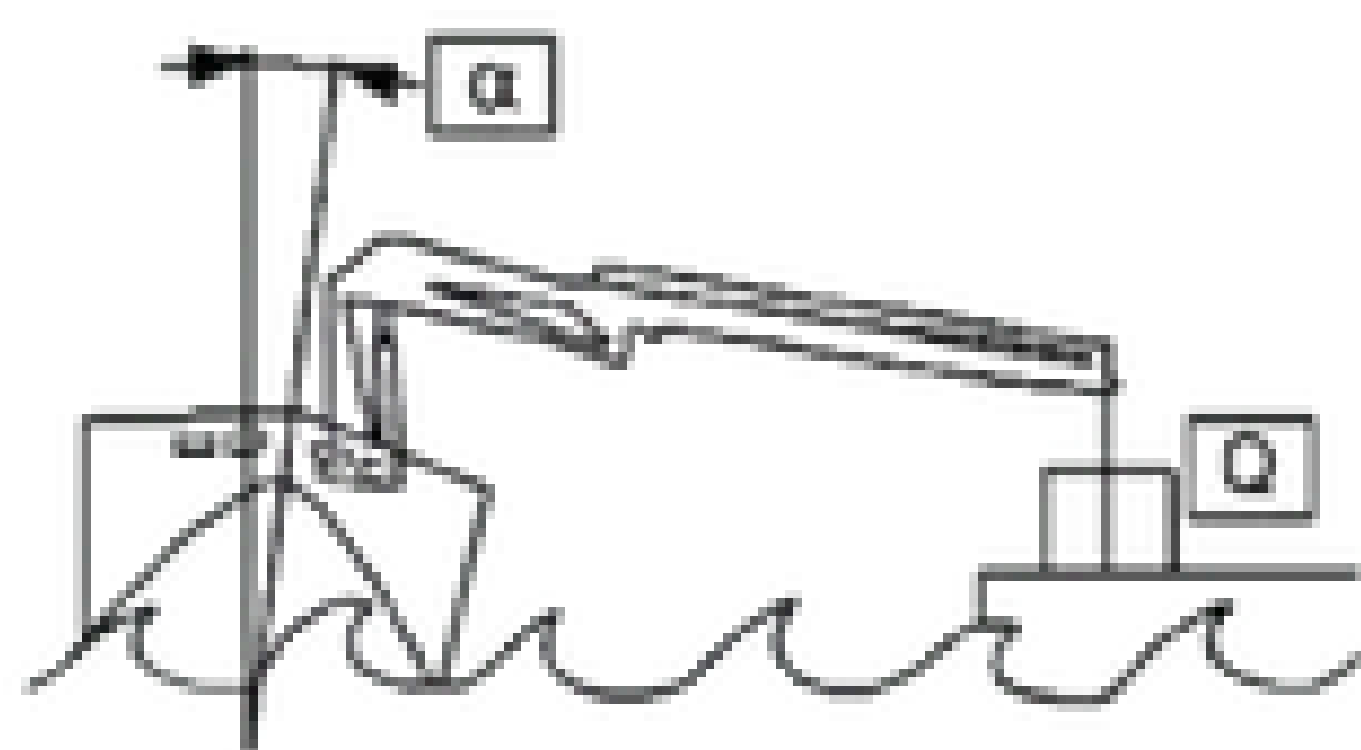


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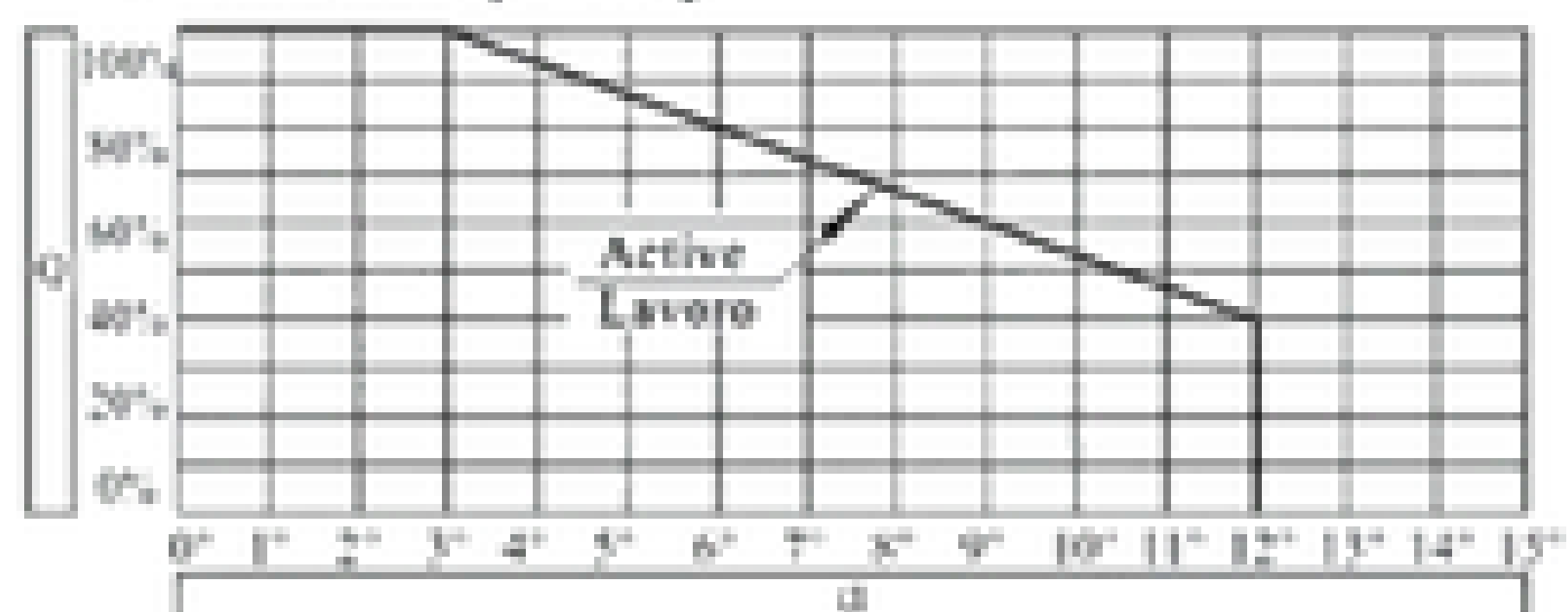
Loading Chart



BS 150M.2	m	2.5	4.1	5.7	7.5		
	Kg	6000	3508	2111	1610		
BS 150M.3	m	2.5	4.2	5.8	7.6	9.5	
	Kg	5880	3307	1987	1496	1170	
BS 150M.4	m	2.5	4.3	5.9	7.7	9.6	11.6
	Kg	5760	3121	1869	1385	1084	866



\* Winch sold separately

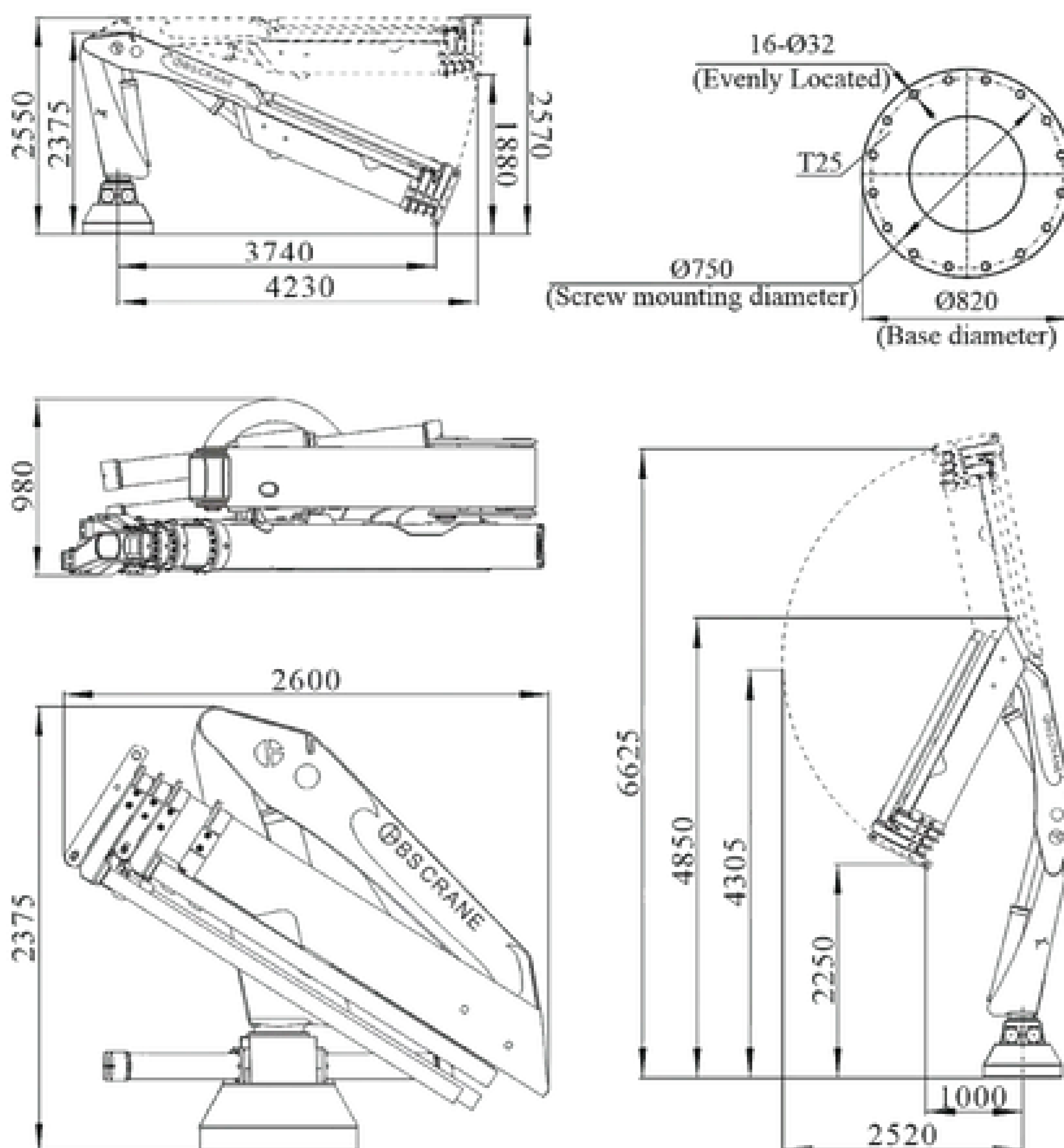




◆ Technical Data

Item	Unit	BS 150M.2	BS 150M.3	BS 150M.4
Lifting Capacity	KN.m	143	139	135
Power	KW	22	22	22
Rotation	°	385	385	385
Working Pressure	MPa	30	30	30
Pump Capacity	cc/r	40~60	40~60	40~60
Oil Tank Capacity	L	100	100	100
Crane Weight	kg	2750 ± 5%	2900 ± 5%	3050 ± 5%

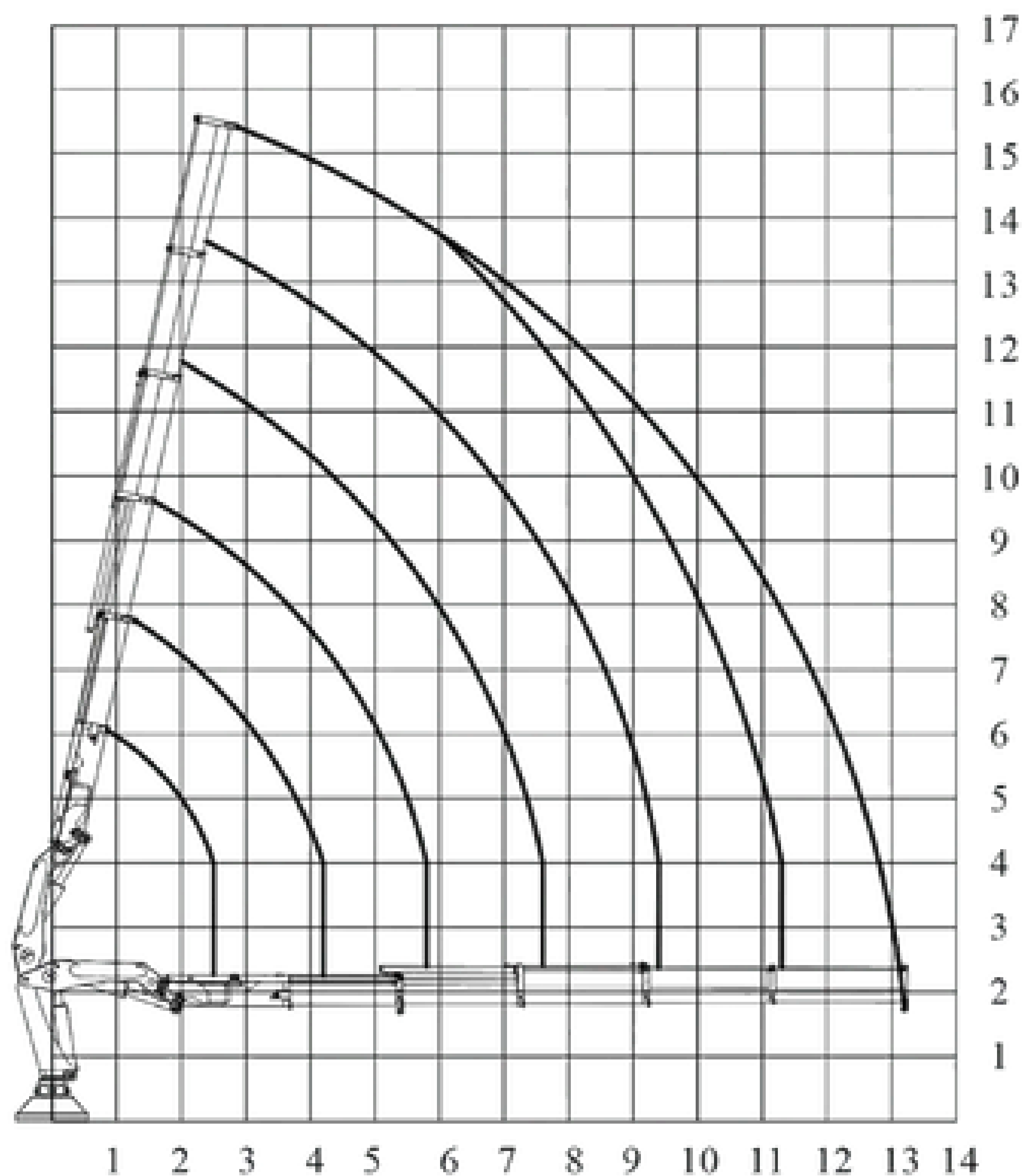
◆ Dimensions



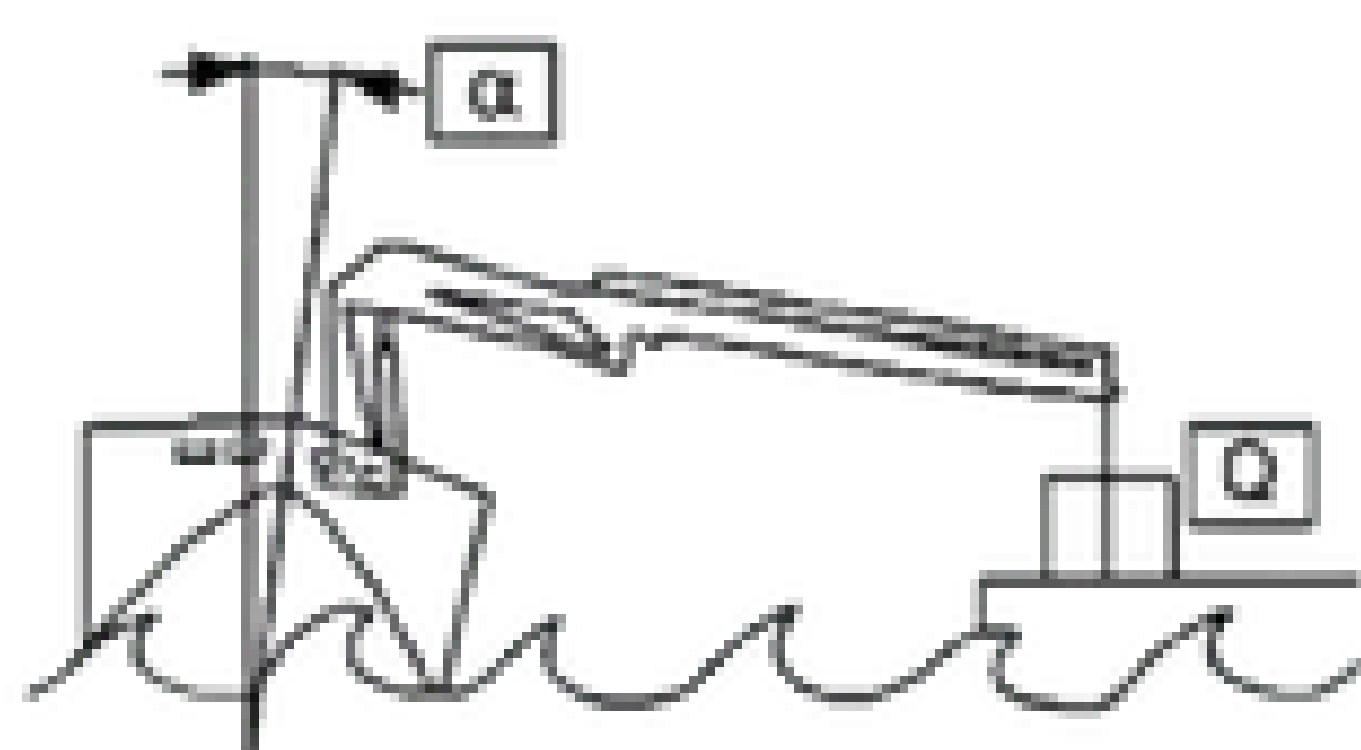


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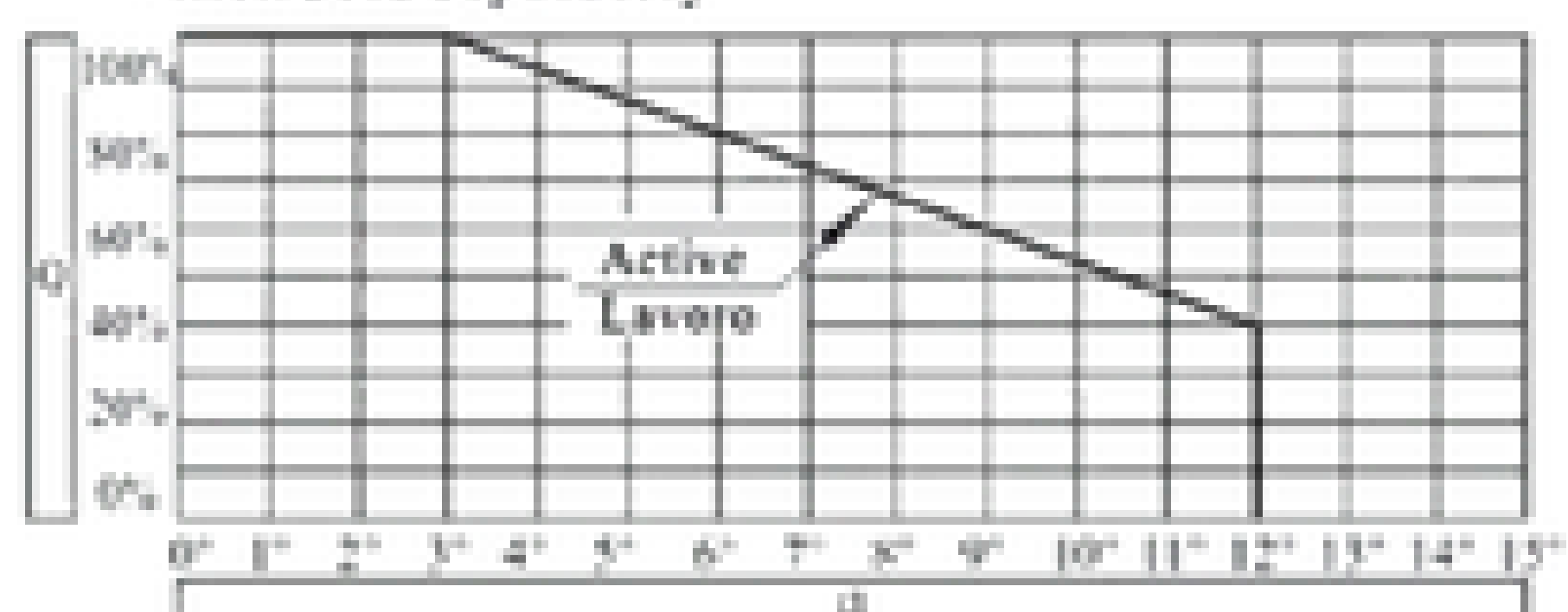
Loading Chart



BS 230M.2	m	2.5	4	5.7	7.4	9.2		
	Kg	9840	6274	4124	3123	2494		
BS 230M.3	m	2.5	4.1	5.7	7.5	9.3	11.2	
	Kg	9690	5971	3922	2952	2347	1889	
BS 230M.4	m	2.5	4.2	5.8	7.6	9.4	11.2	13.1
	Kg	9540	5679	3724	2783	2202	1752	1443



\* Winch sold separately

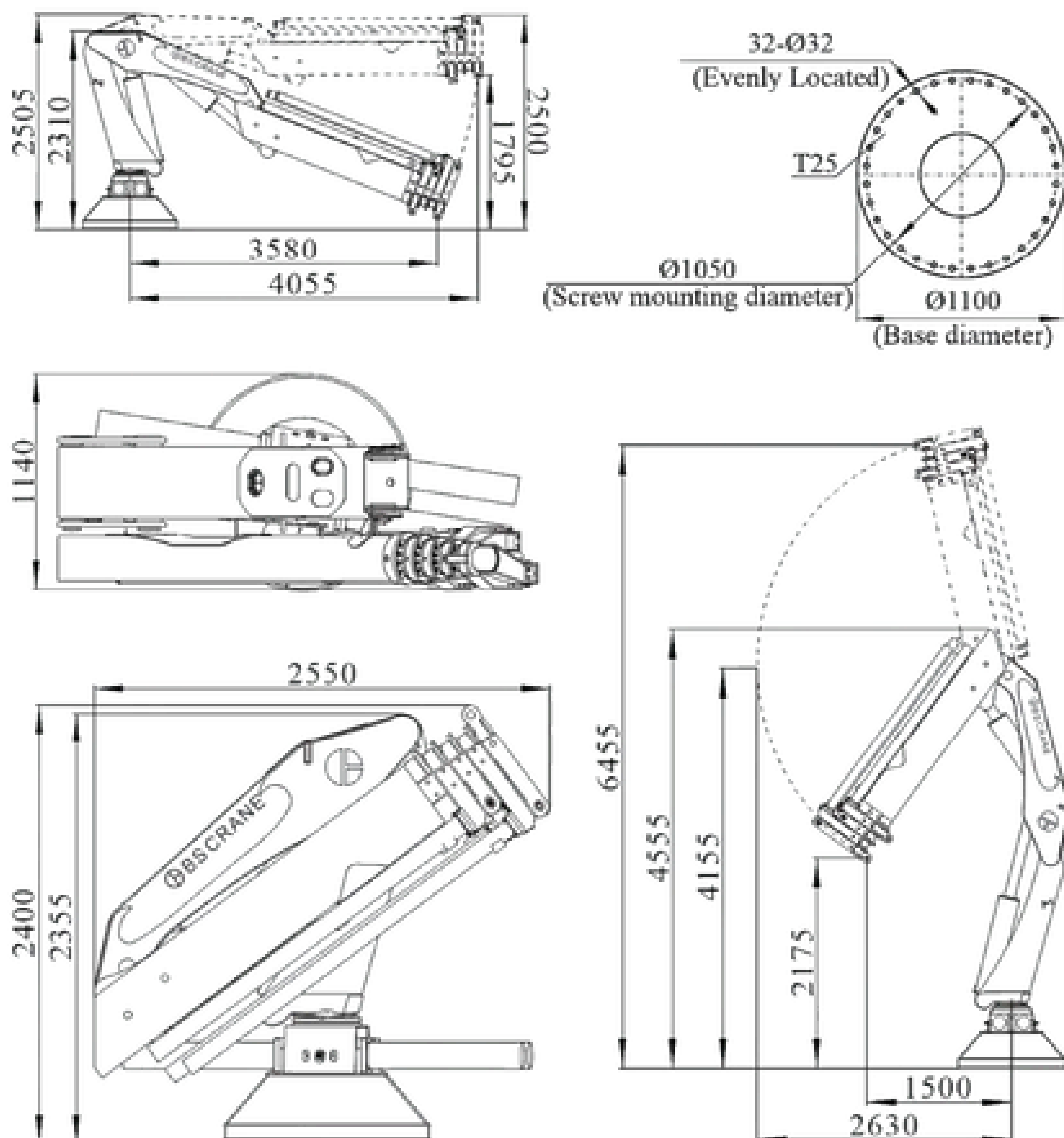




◆ Technical Data

Item	Unit	BS 230M.2	BS 230M.3	BS 230M.4
Lifting Capacity	KN.m	251	245	238
Power	KW	22	22	22
Rotation	°	385	385	385
Working Pressure	MPa	30	30	30
Pump Capacity	cc/r	40~60	40~60	40~60
Oil Tank Capacity	L	100	100	100
Crane Weight	kg	3015 ± 5%	3175 ± 5%	3325 ± 5%

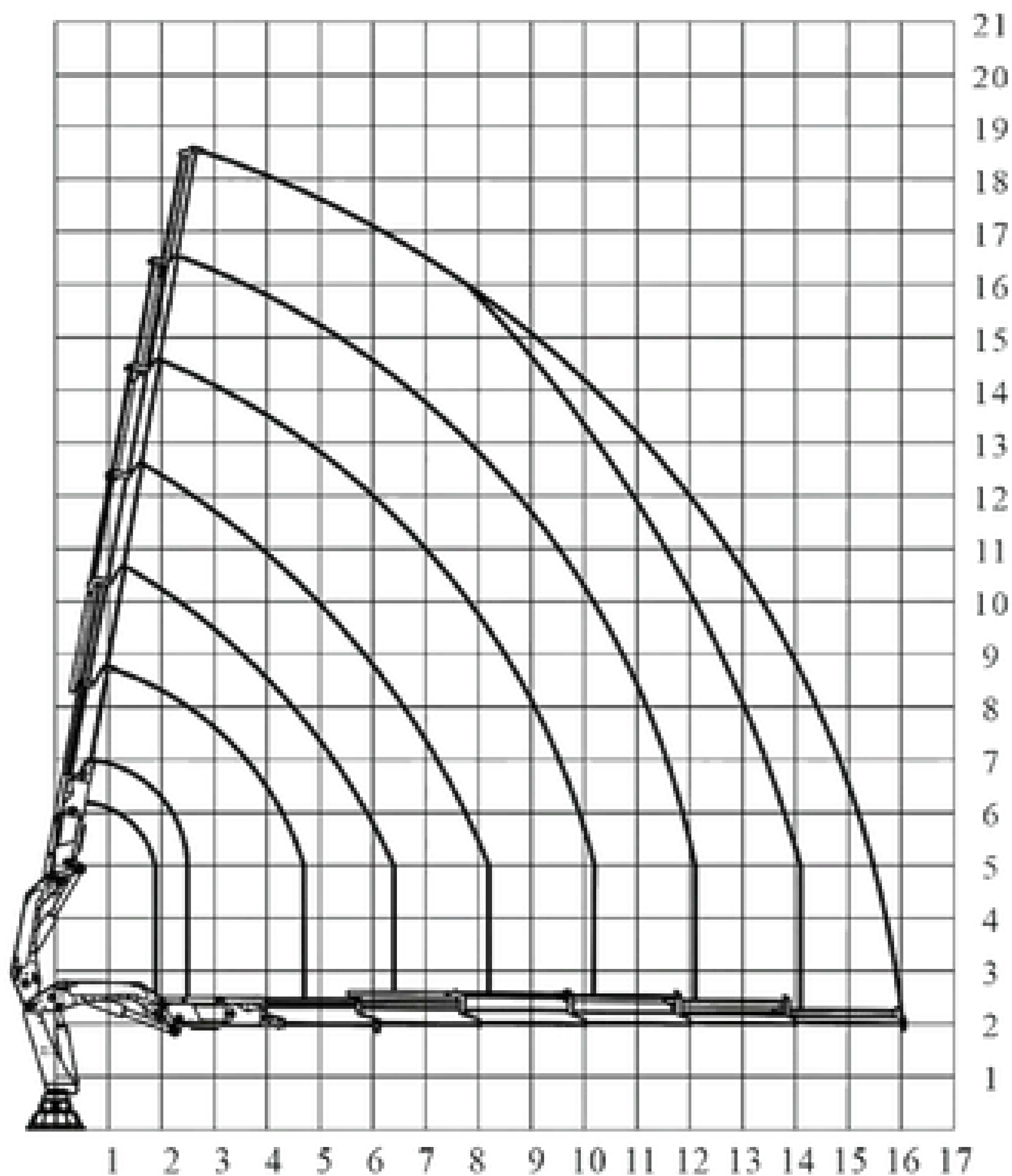
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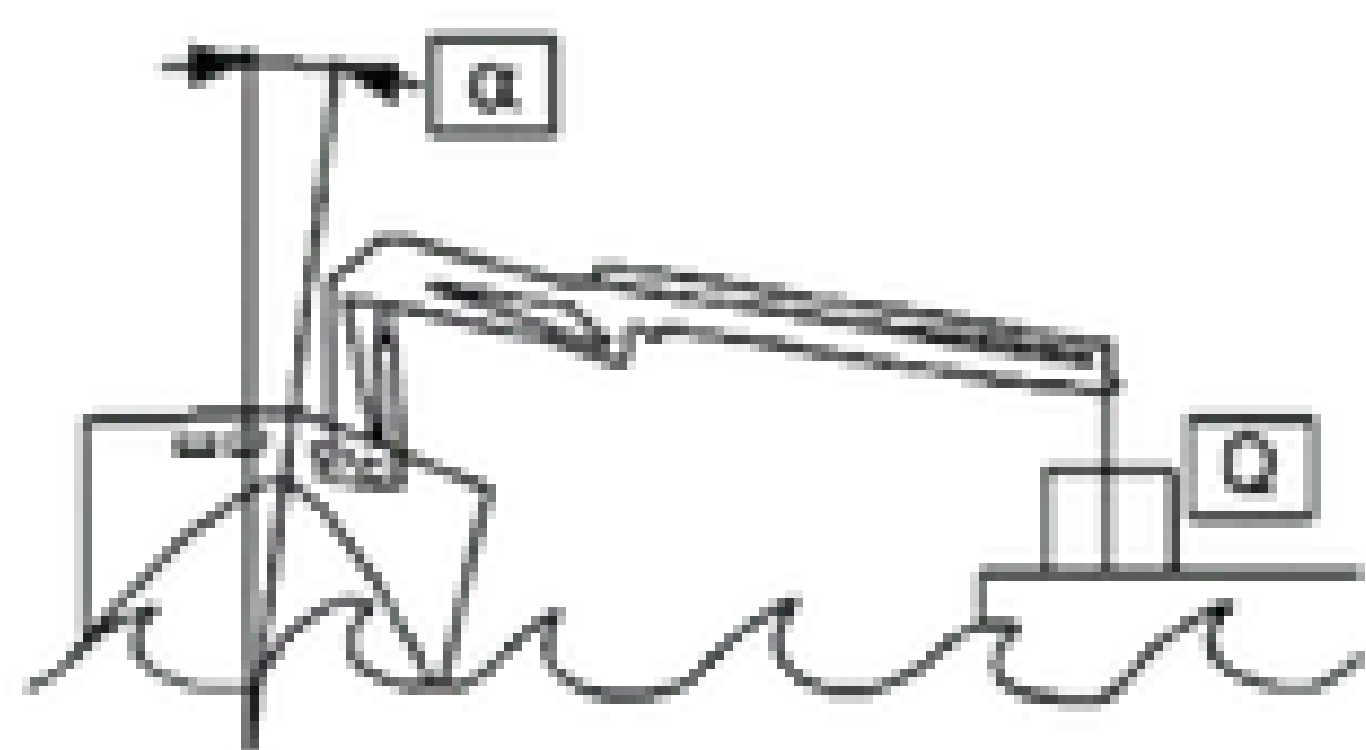


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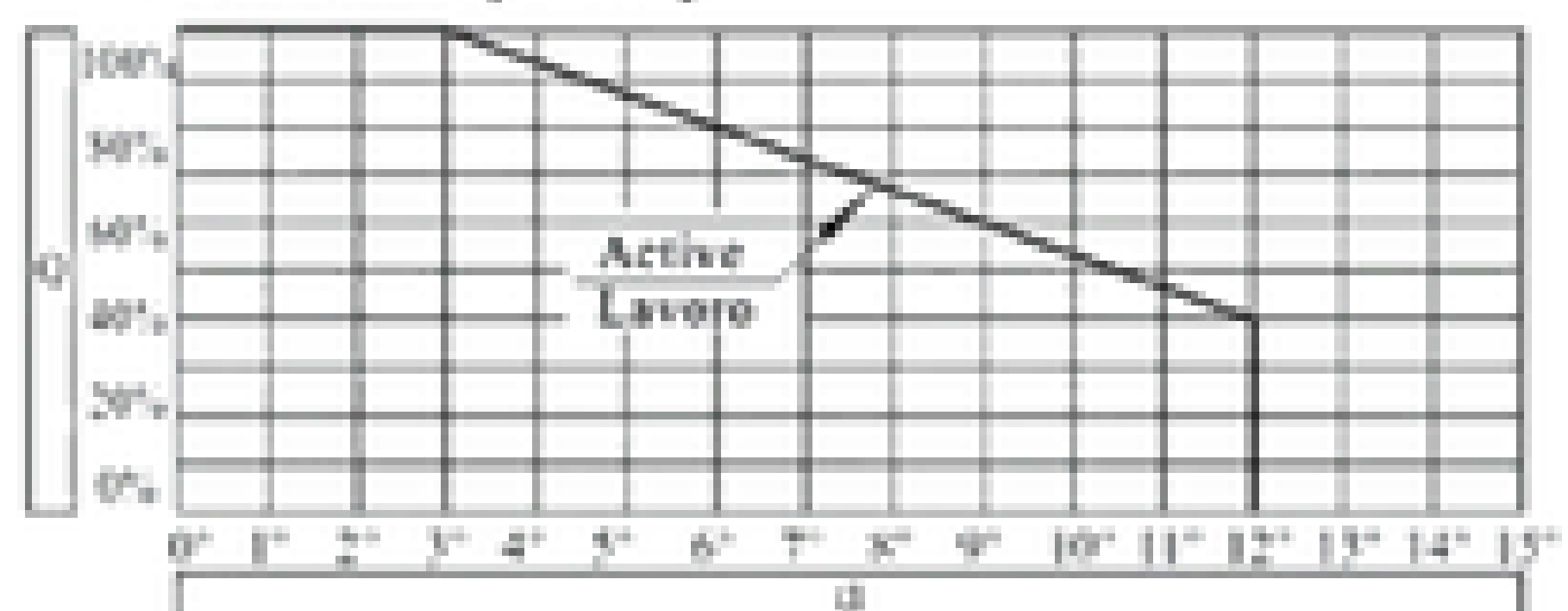
Loading Chart



BS 300M.2	m	2.5	4.5	6.2	8	10	11.9		
	Kg	13220	7468	5347	4162	3243	2678		
BS 300M.3	m	2.5	4.6	6.3	8.1	10.1	12.1	14	
	Kg	13080	7166	5122	3990	3110	2556	2118	
BS 300M.4	m	2.5	4.7	6.4	8.2	10.2	12.1	14.1	16
	Kg	12960	6894	4922	3841	3000	2455	2043	1744



\* Winch sold separately

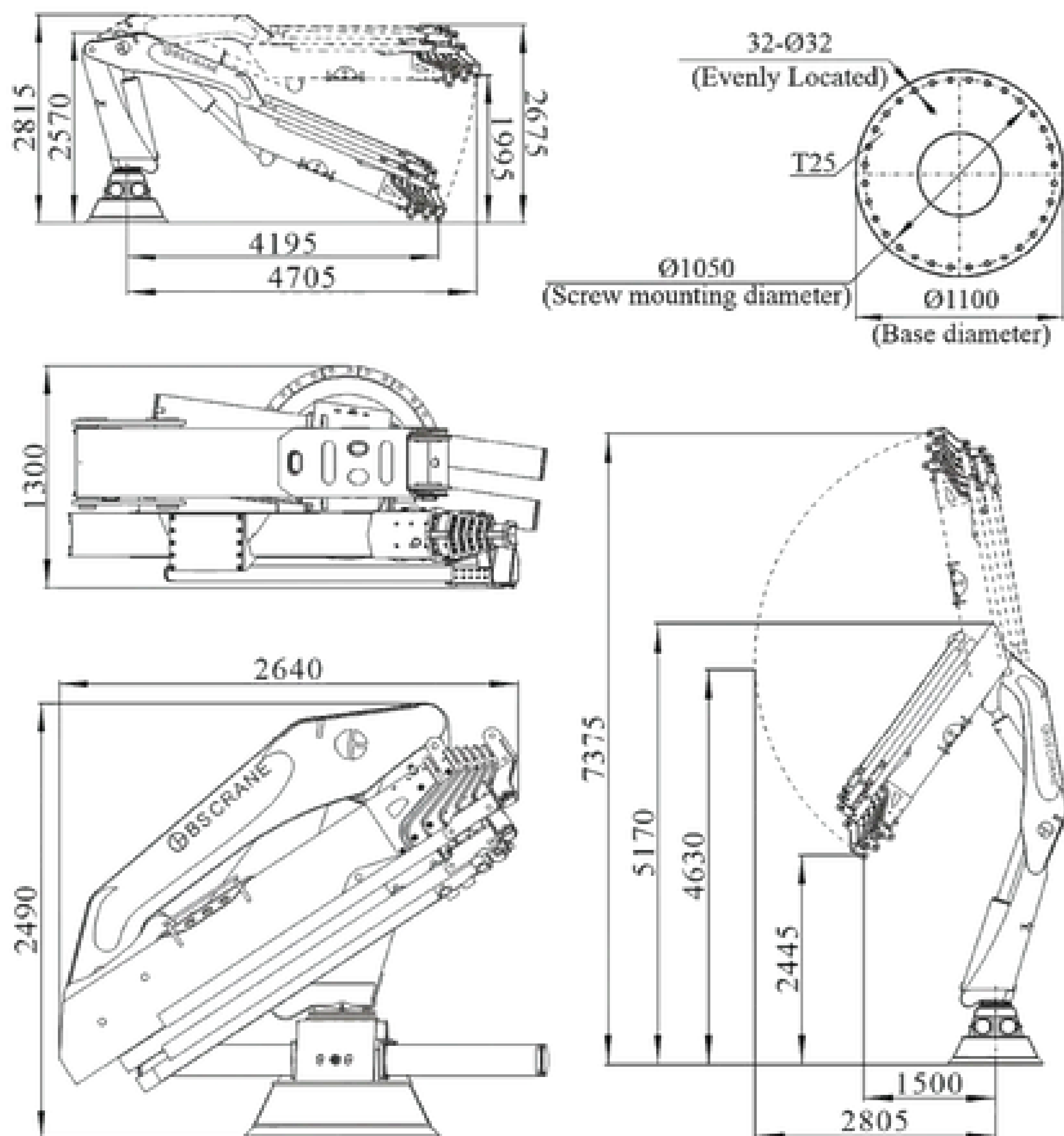




◆ Technical Data

Item	Unit	BS 300M.2	BS 300M.3	BS 300M.4
Lifting Capacity	KN.m	330	327	324
Power	KW	30	30	30
Rotation	°	385	385	385
Working Pressure	MPa	30	30	30
Pump Capacity	cc/r	40~60	40~60	40~60
Oil Tank Capacity	L	180	180	180
Crane Weight	kg	4480 ± 5%	4630 ± 5%	4780 ± 5%

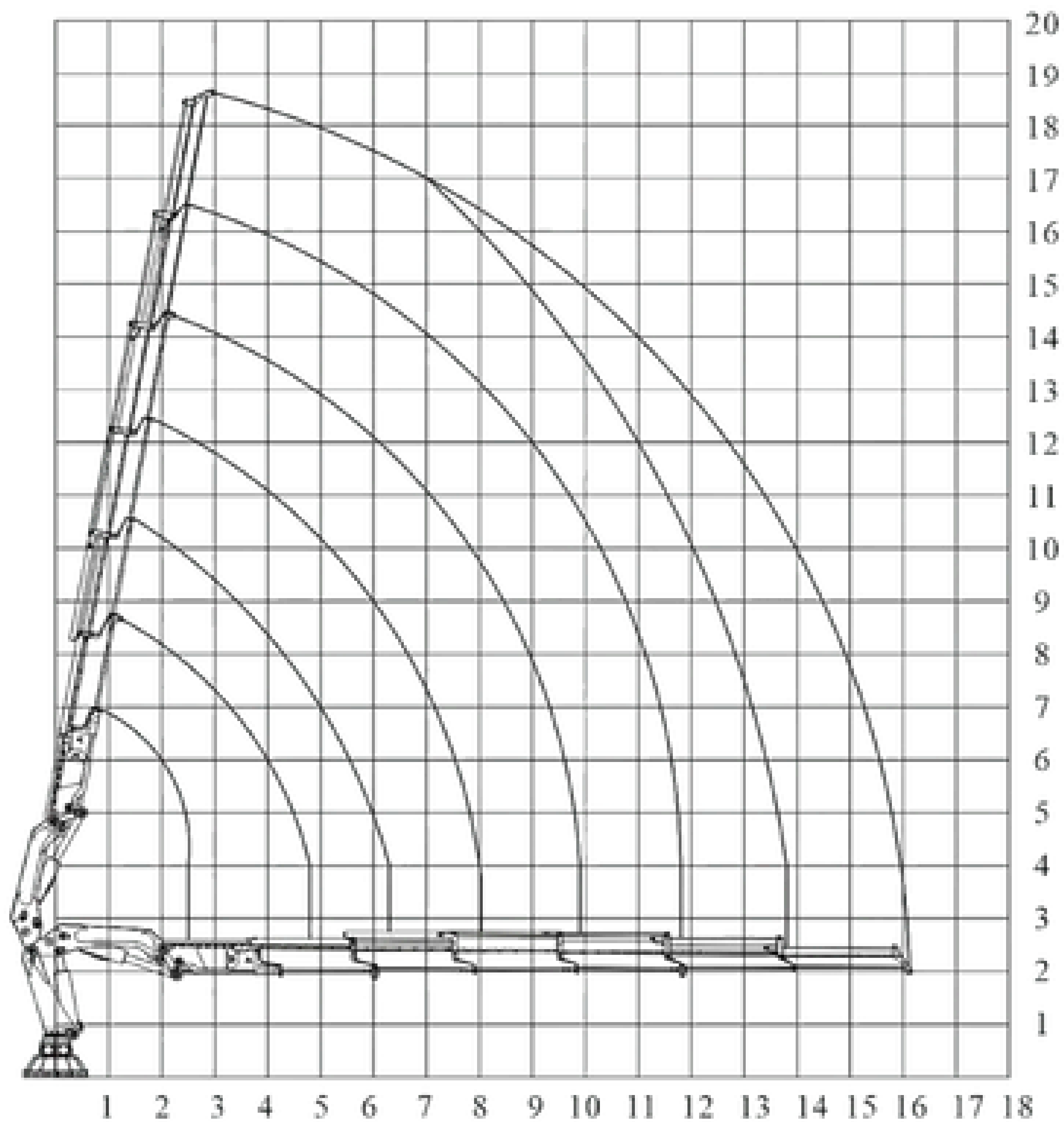
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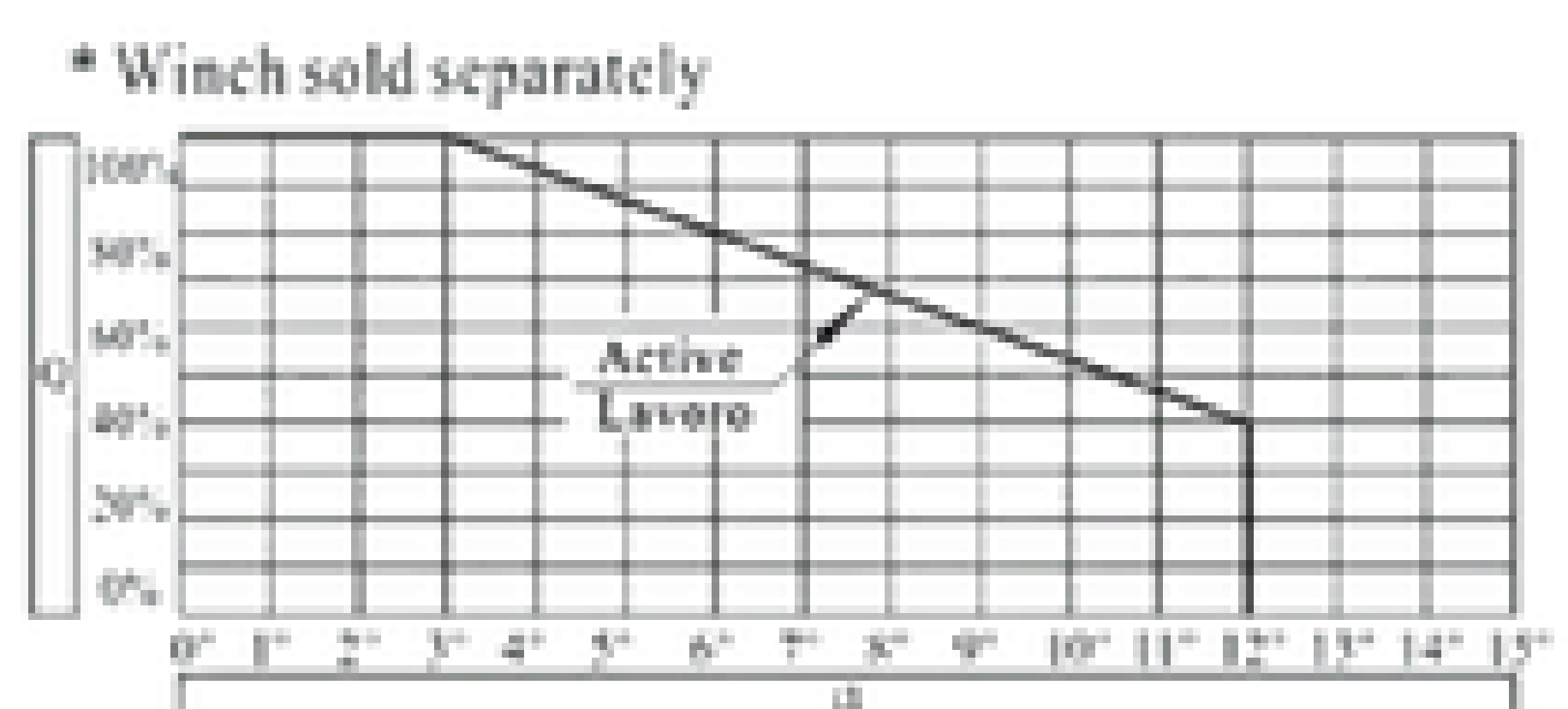
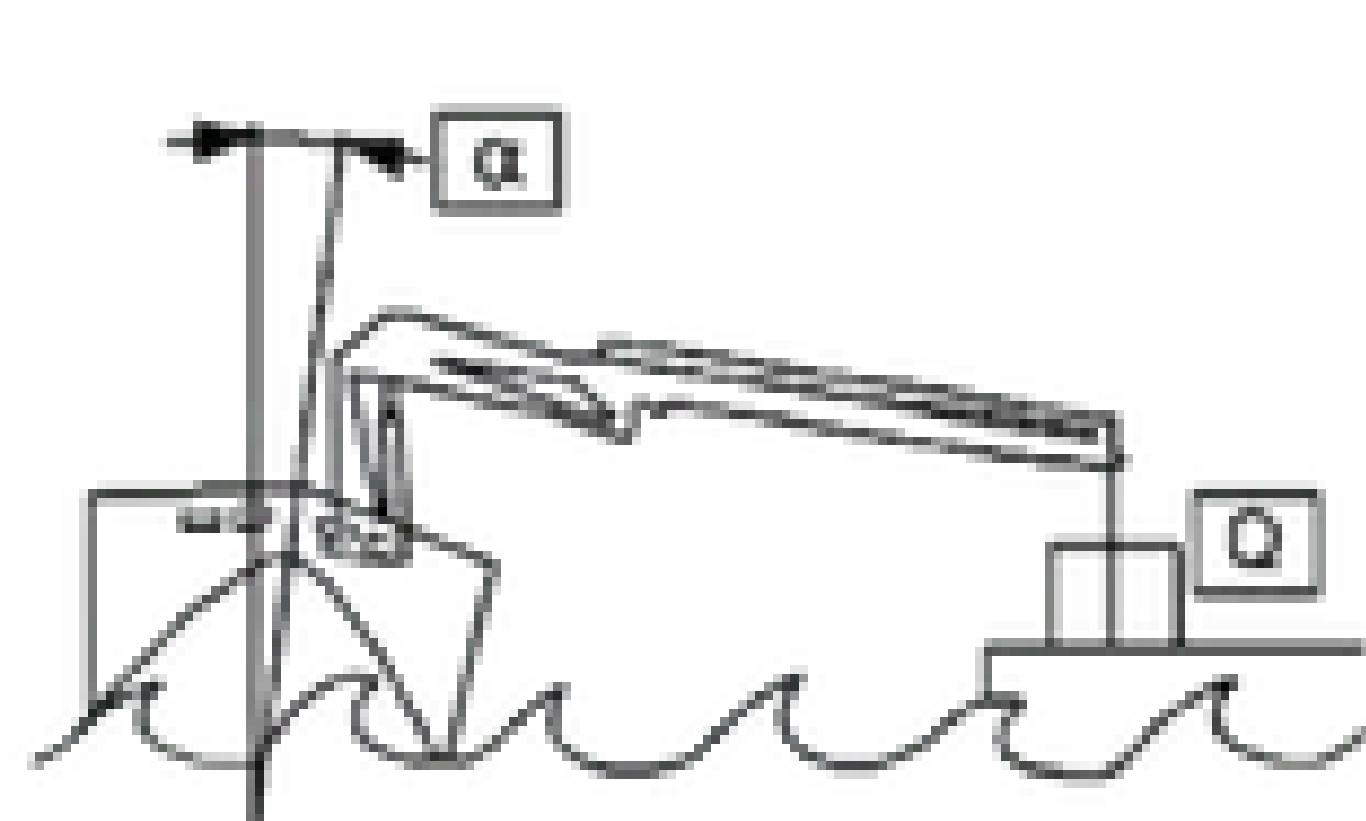


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Loading Chart



BS 500M.4	m	2.5	4.6	6.1	7.9	9.7	11.7		
	Kg	19920	11020	8156	6215	4918	4015		
BS 500M.5	m	2.5	4.7	6.2	8	9.8	11.8	13.8	
	Kg	19680	10565	7824	7824	4708	3821	3228	
BS 500M.6	m	2.5	4.8	6.3	8	9.9	11.8	13.8	15.9
	Kg	19440	10125	7500	7500	4500	3661	3078	2643

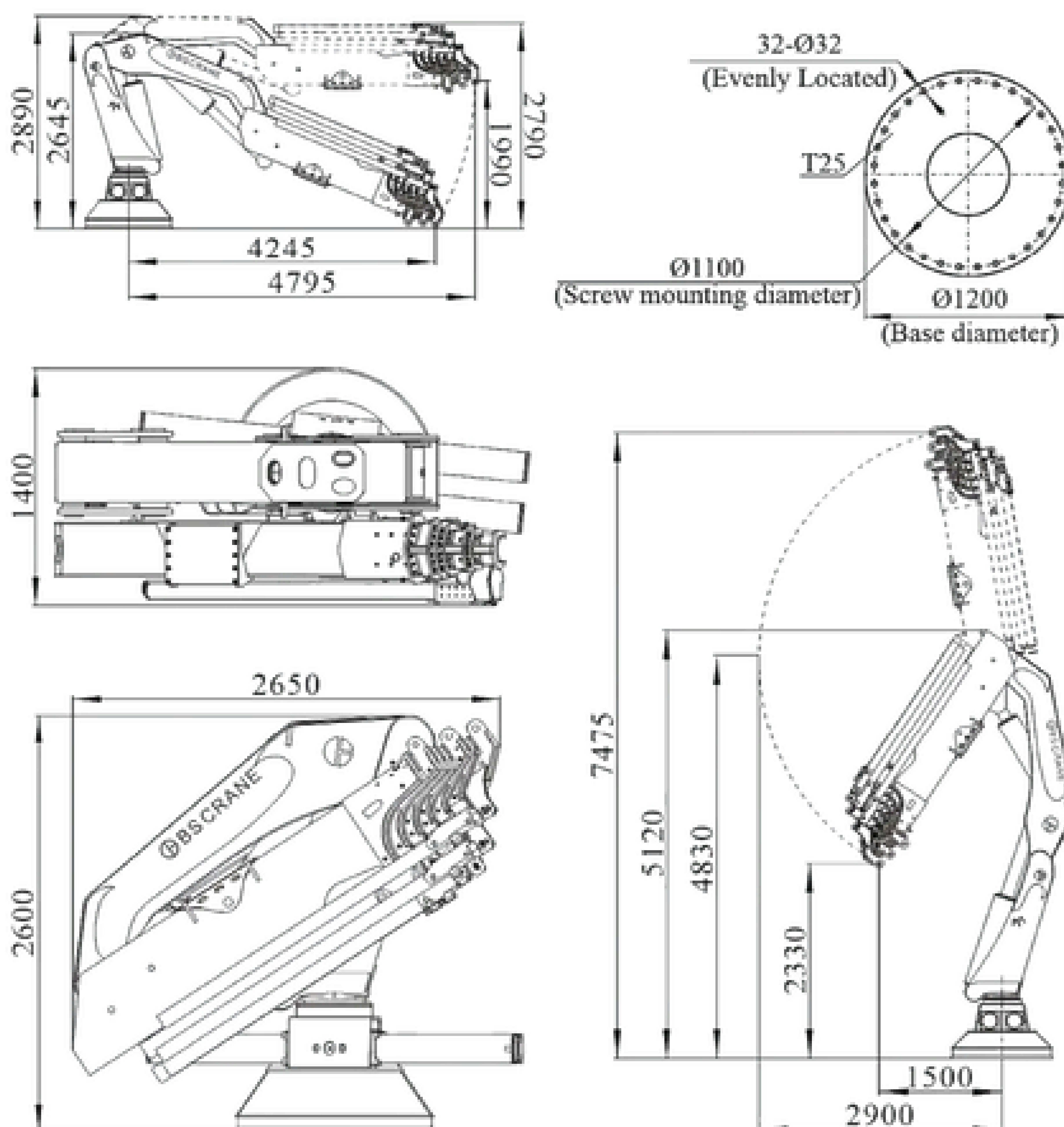




◆ Technical Data

Item	Unit	BS 500M.4	BS 500M.5	BS 500M.6
Lifting Capacity	KN.m	480	470	460
Power	KW	30	30	30
Rotation	°	385	385	385
Working Pressure	MPa	29	29	29
Pump Capacity	cc/r	40~60	40~60	40~60
Oil Tank Capacity	L	250	250	250
Crane Weight	kg	6000 ± 5%	6245 ± 5%	6465 ± 5%

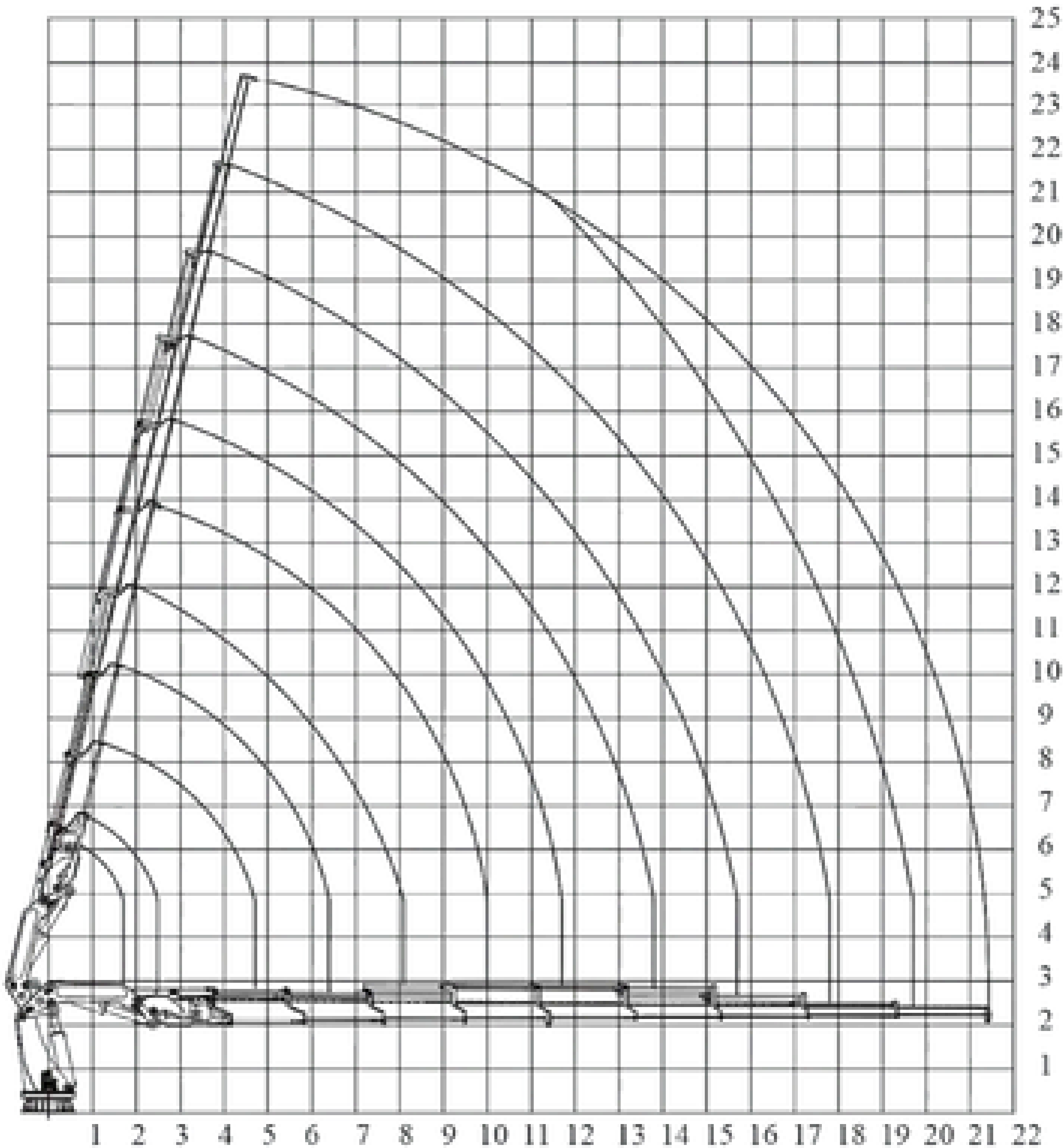
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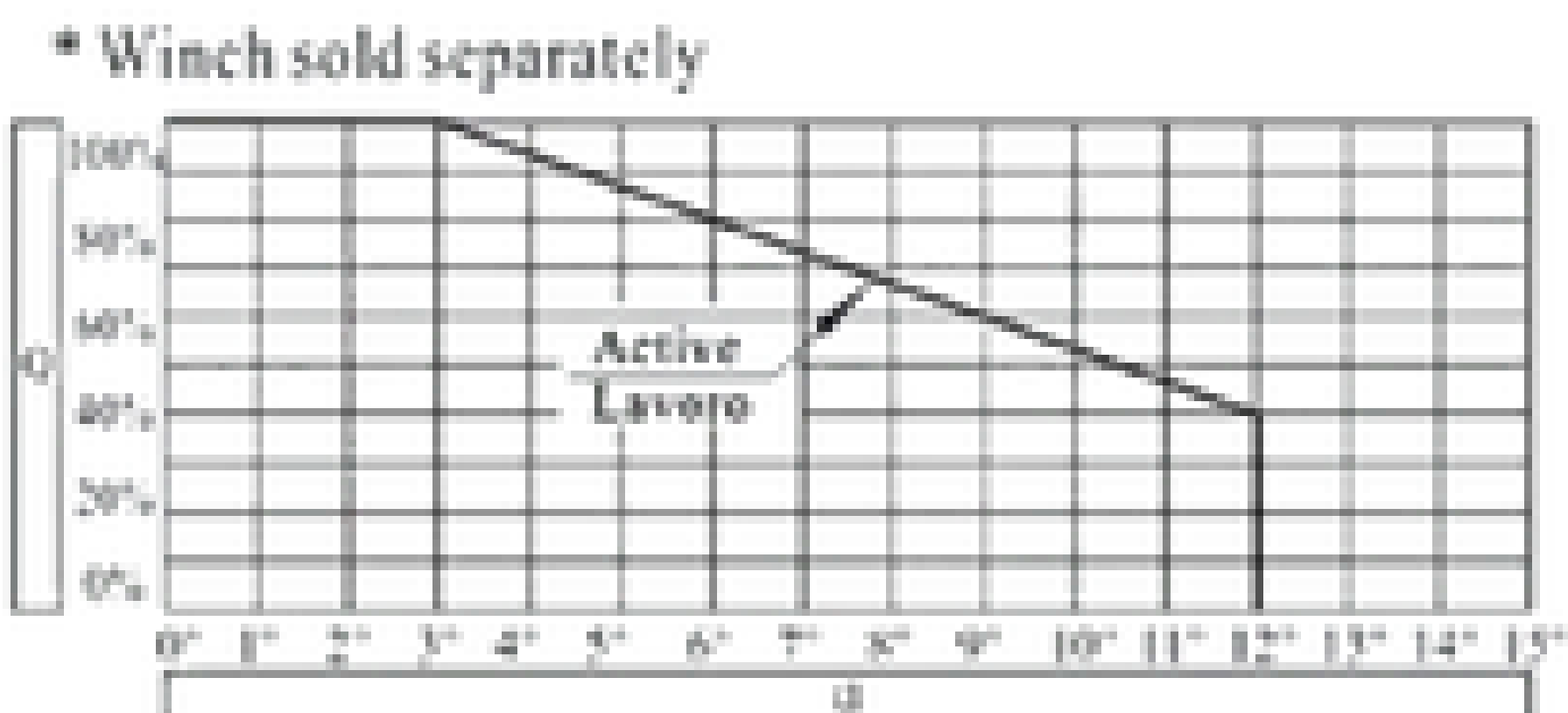
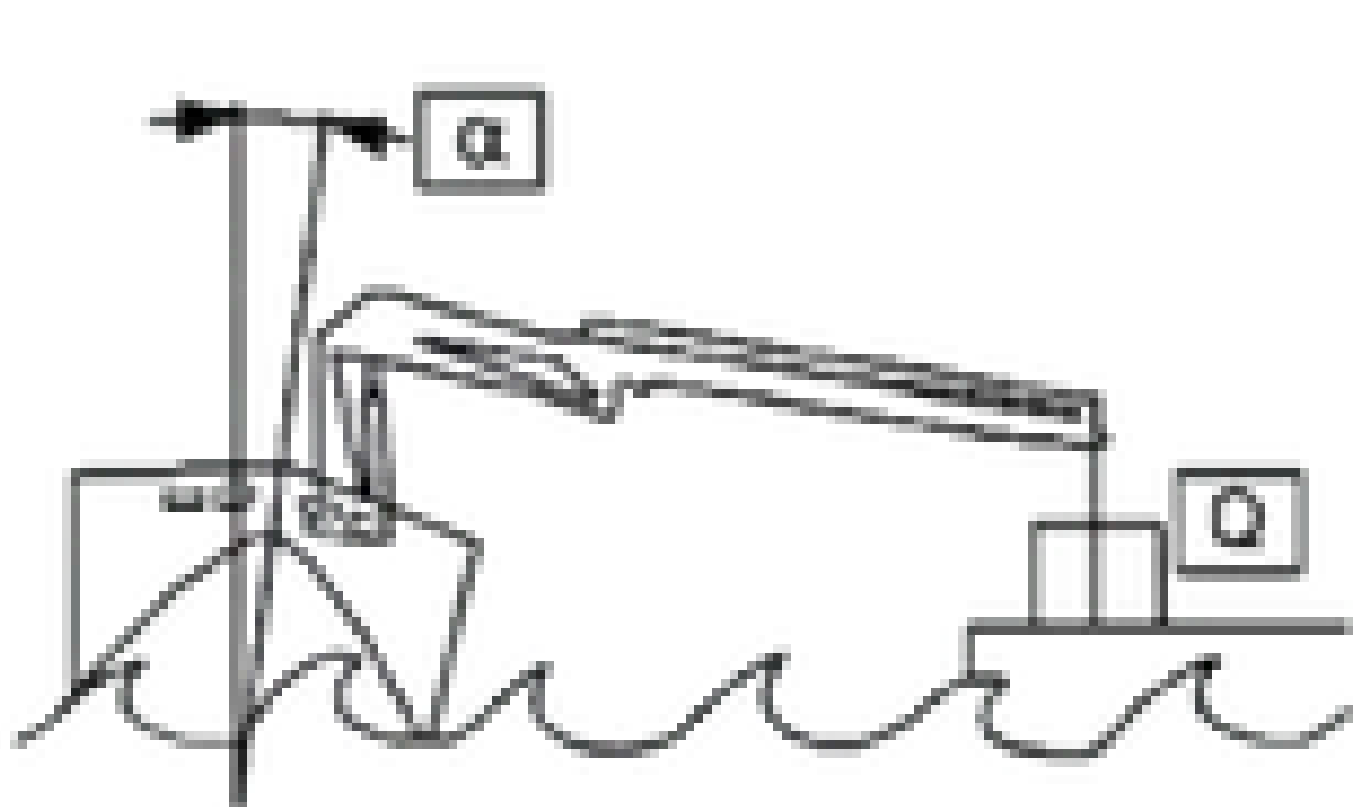


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Loading Chart



BS 800M.7	m	2.5	4.5	6.2	7.9	9.8	11.5	13.6	15.4	17.5		
	Kg	28460	15992	11380	8663	6917	5626	4564	3944	3410		
BS 800M.8	m	2.5	4.6	6.3	8	9.9	11.6	13.7	15.5	17.6	19.4	
	Kg	28260	15445	11020	8375	6687	5417	4391	3779	3271	2930	
BS 800M.9	m	2.5	4.7	6.4	8.1	10	11.7	13.8	15.6	17.7	19.5	21.4
	Kg	28080	14936	10688	8111	6480	5231	4239	3635	3135	2815	2481





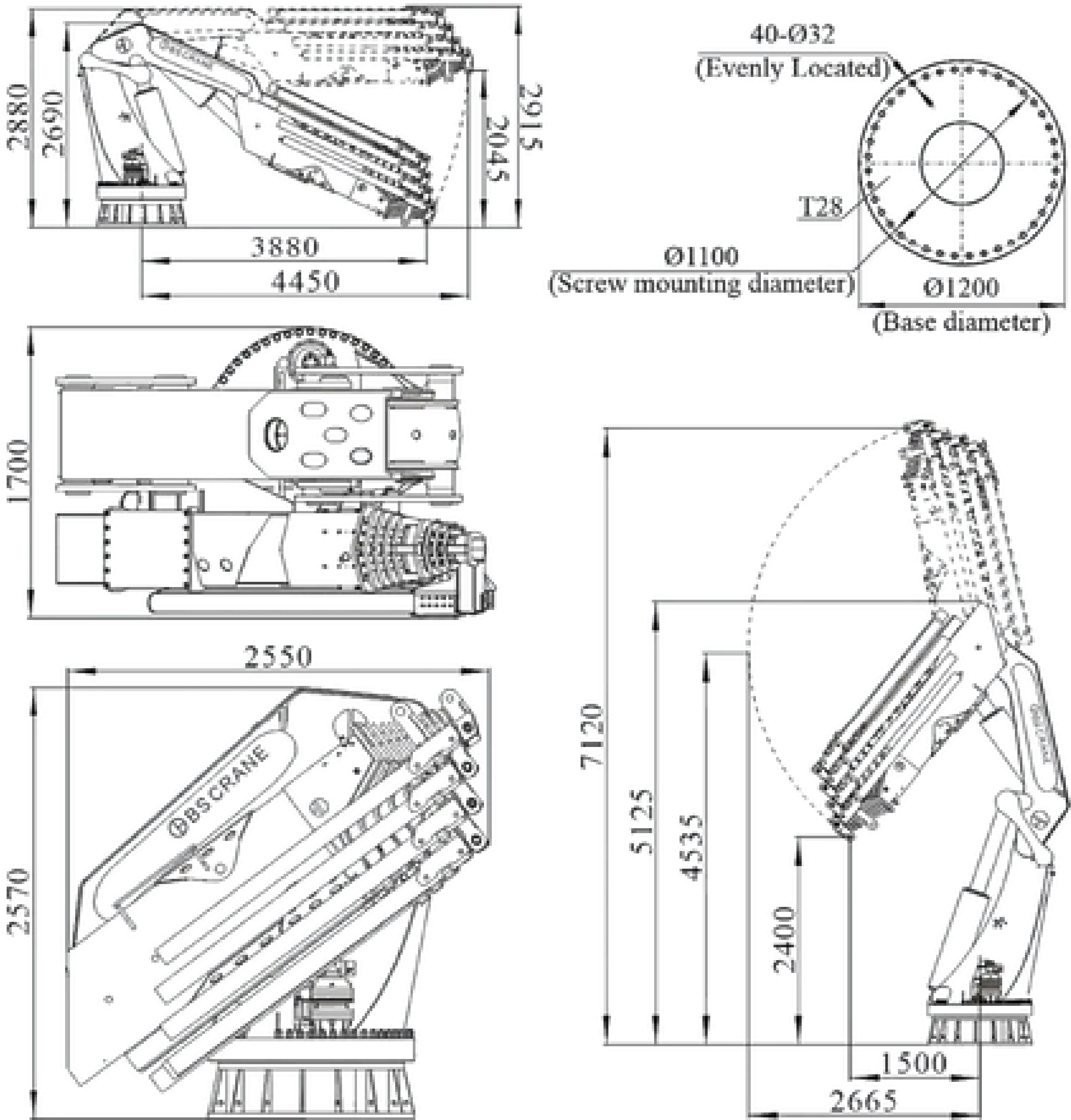
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Technical Data

Item	Unit	BS 800M.7	BS 800M.8	BS 800M.9
Lifting Capacity	KN.m	715	710	700
Power	KW	37	37	37
Rotation	°	∞	∞	∞
Working Pressure	MPa	29	29	29
Pump Capacity	cc/r	40~70	40~70	40~70
Oil Tank Capacity	L	350	350	350
Crane Weight	kg	9055 ± 5%	9300 ± 5%	9500 ± 5%

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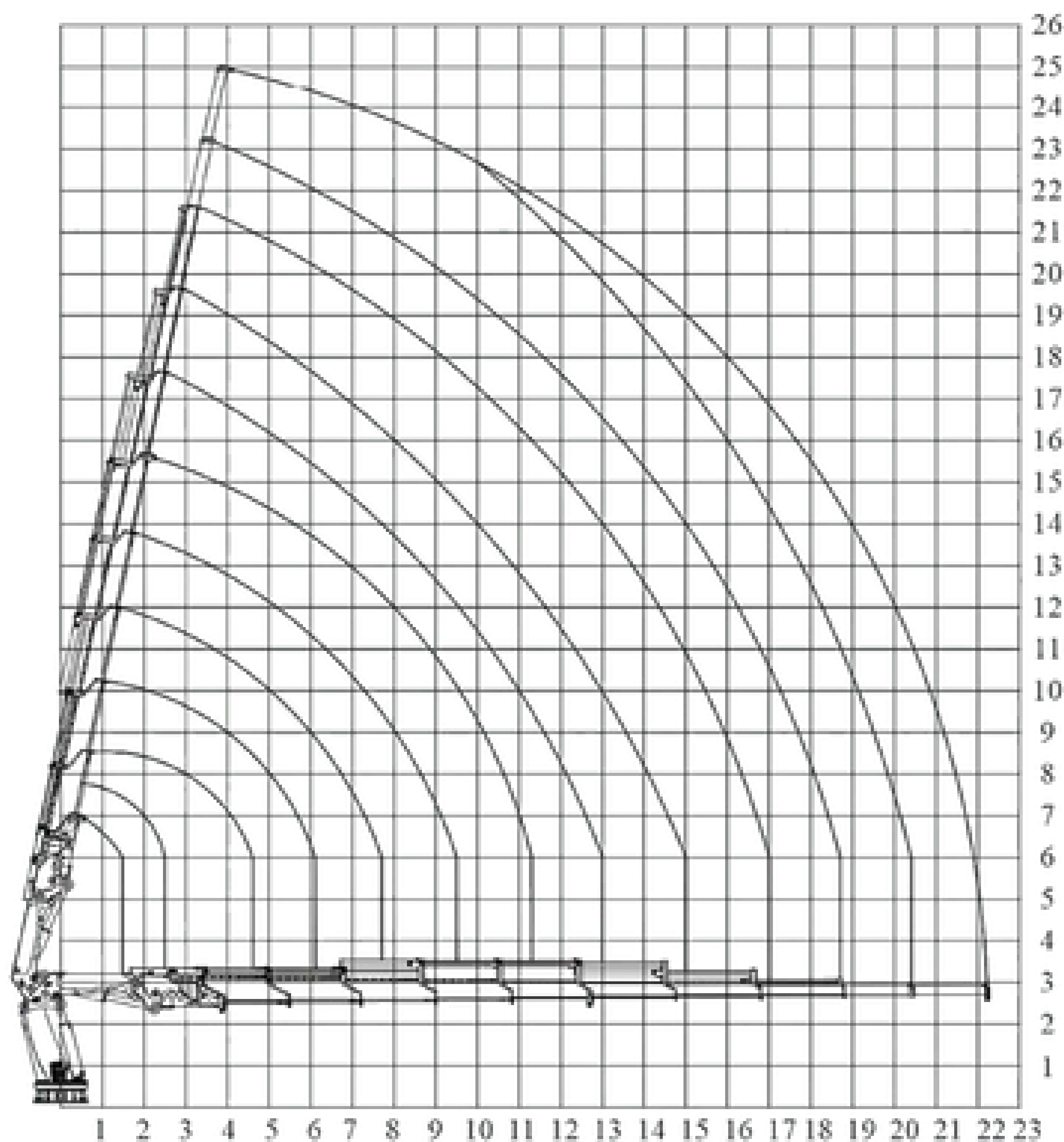
Dimensions





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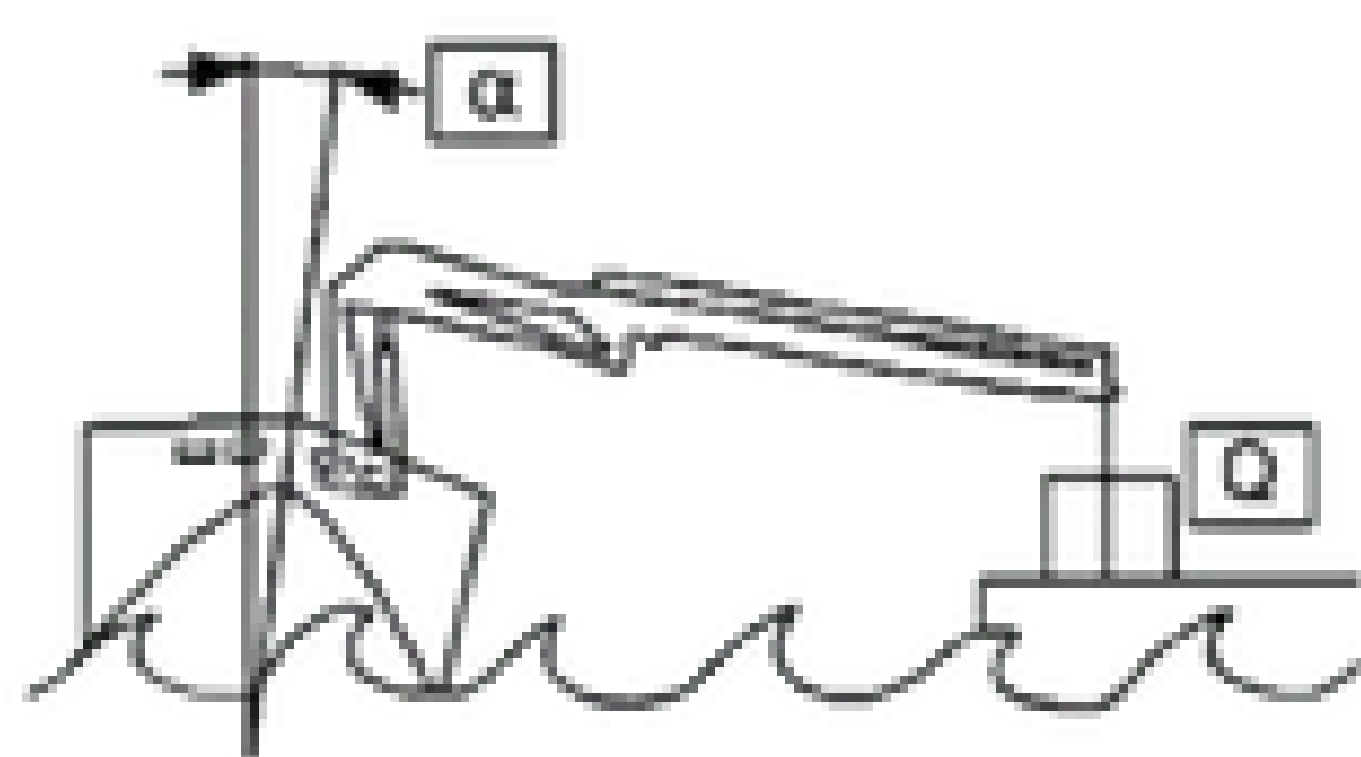
Loading Chart



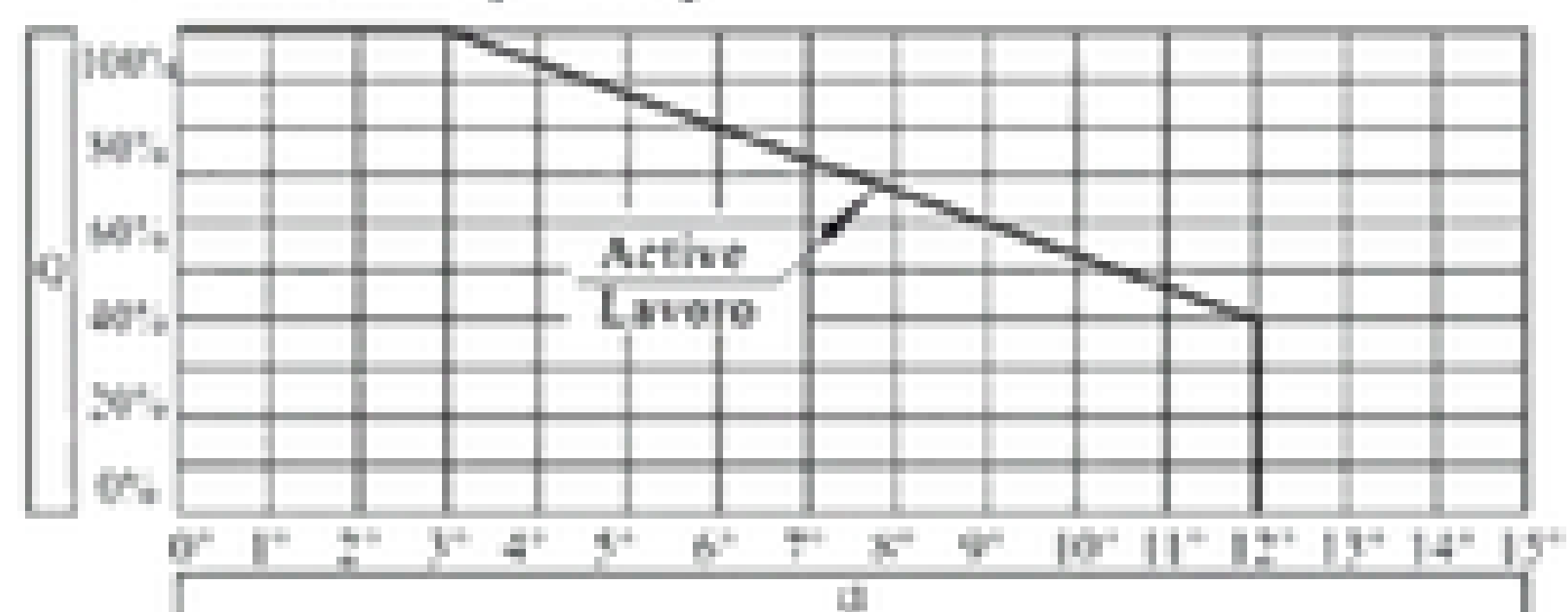
BS 1300M.8	m	2.5	4.5	6	7.6	9.4	11.2	12.9	14.9	16.9	18.5
	Kg	41580	23184	17273	13554	10789	8920	7407	6169	5360	4811

BS 1300M.9	m	2.5	4.6	6.1	7.7	9.5	11.3	13	15	17	18.6	20.3
	Kg	41400	22500	16820	13208	10516	8681	7200	6000	5188	4645	4123

BS 1300M.10	m	2.5	4.7	6.2	7.8	9.6	11.4	13.1	15.1	17.1	18.7	20.4	22.2
	Kg	41240	21865	16401	12890	10268	8466	7016	5831	5039	4501	3993	3064



\* Winch sold separately

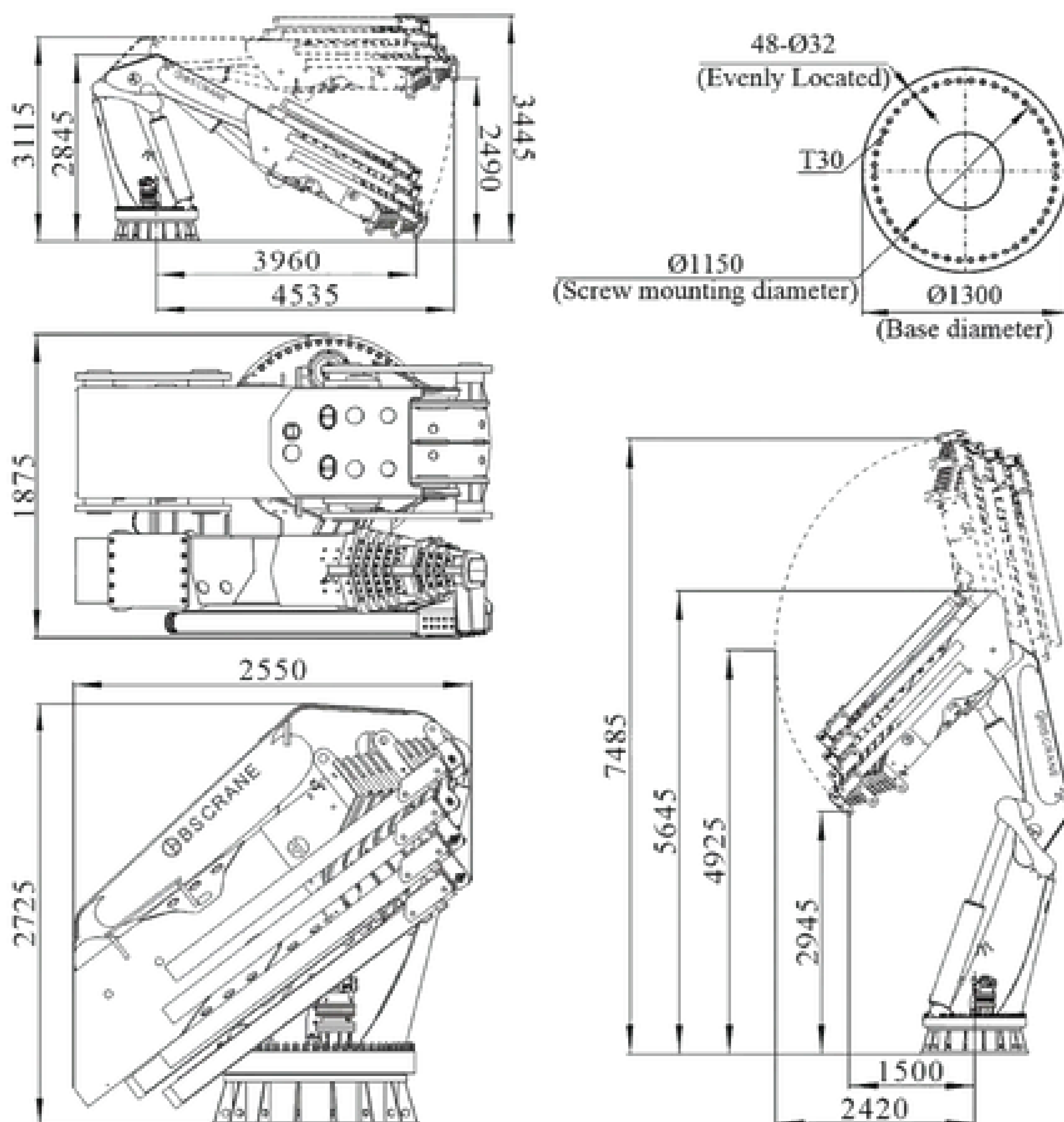




◆ Technical Data

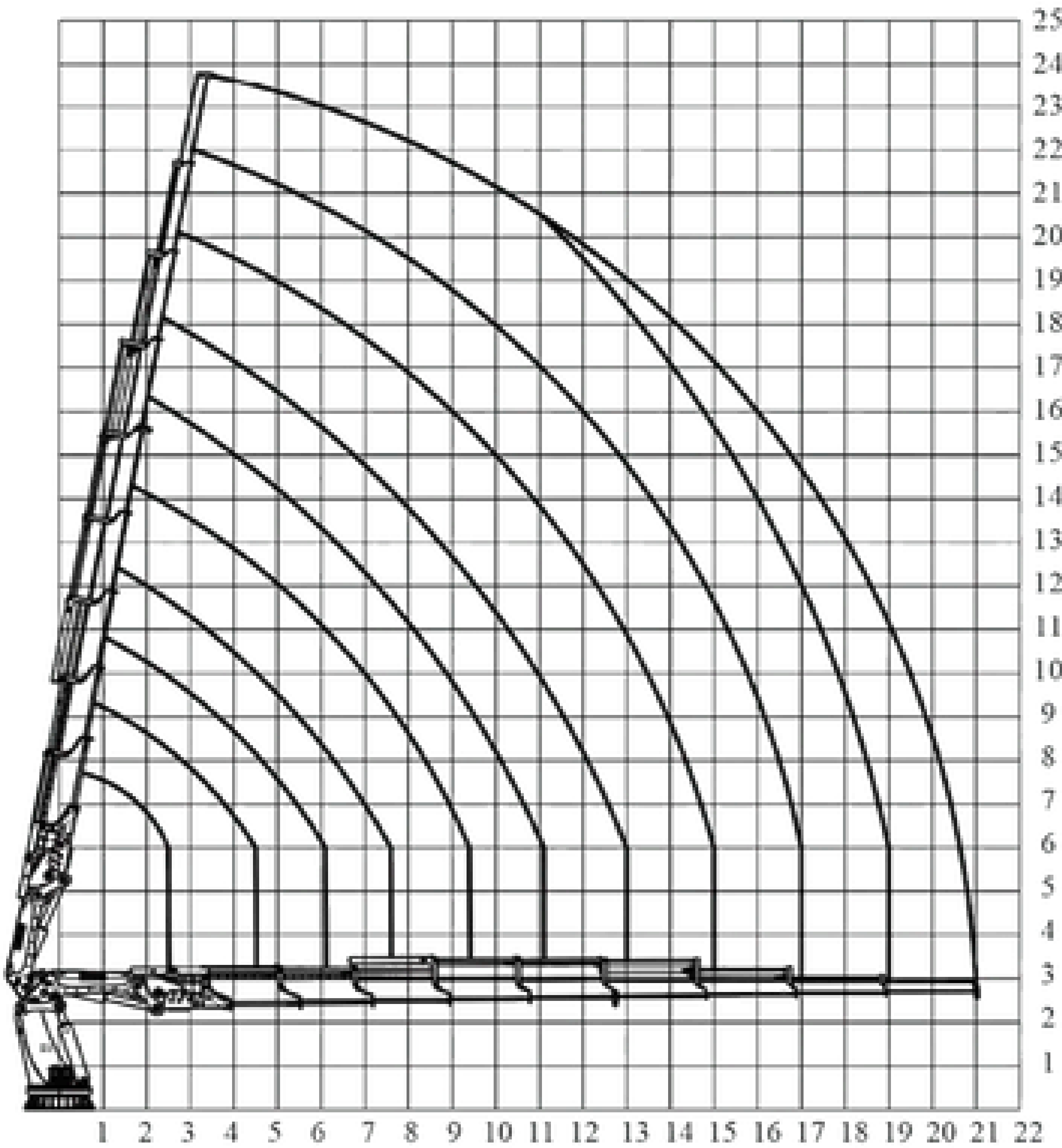
Item	Unit	BS 1300M.8	BS 1300M.9	BS 1300M.10
Lifting Capacity	KN.m	1040	1-35	1025
Power	KW	37	37	37
Rotation	°	∞	∞	∞
Working Pressure	MPa	29	29	29
Pump Capacity	cc/r	40~80	40~80	40~80
Oil Tank Capacity	L	500	500	500
Crane Weight	kg	11645 ± 5%	11910 ± 5%	12130 ± 5%

◆ Dimensions

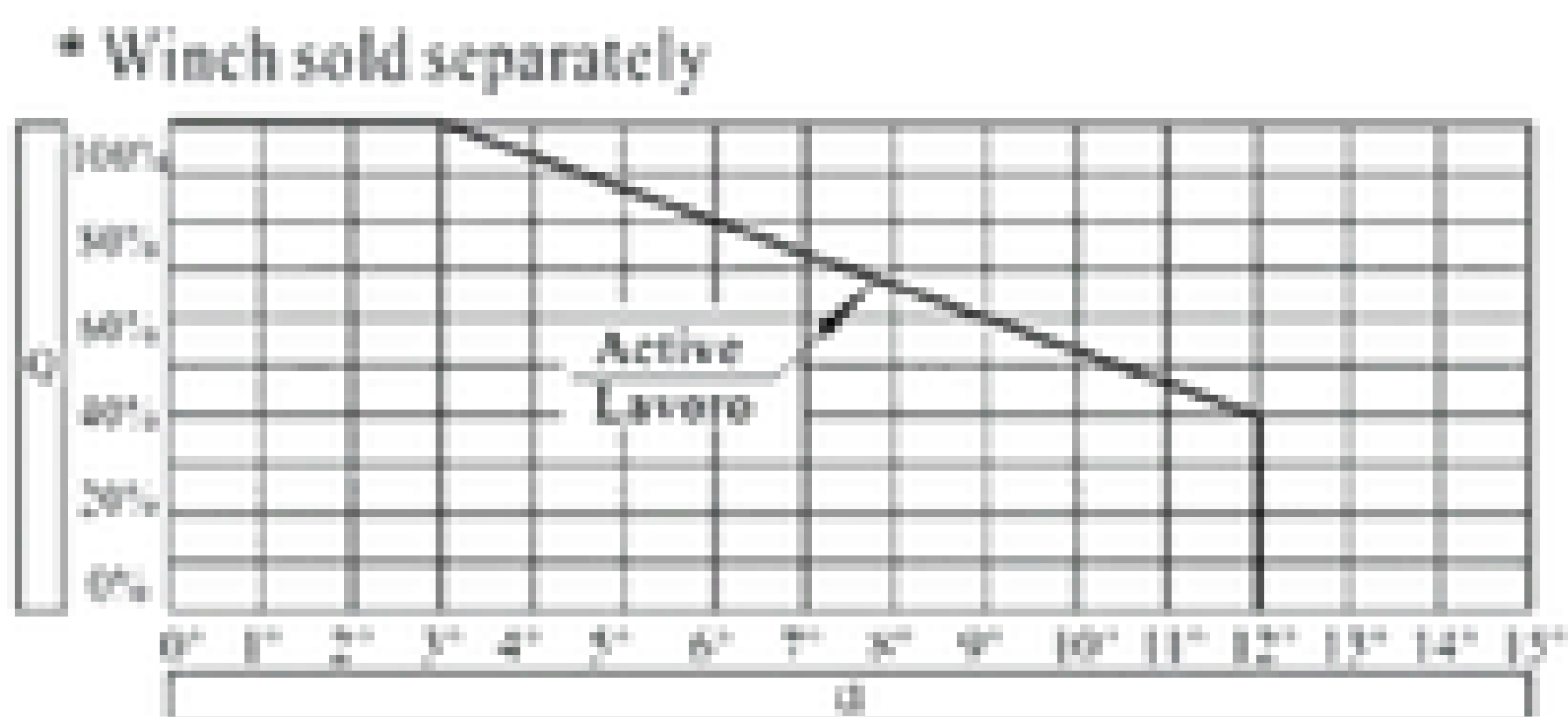
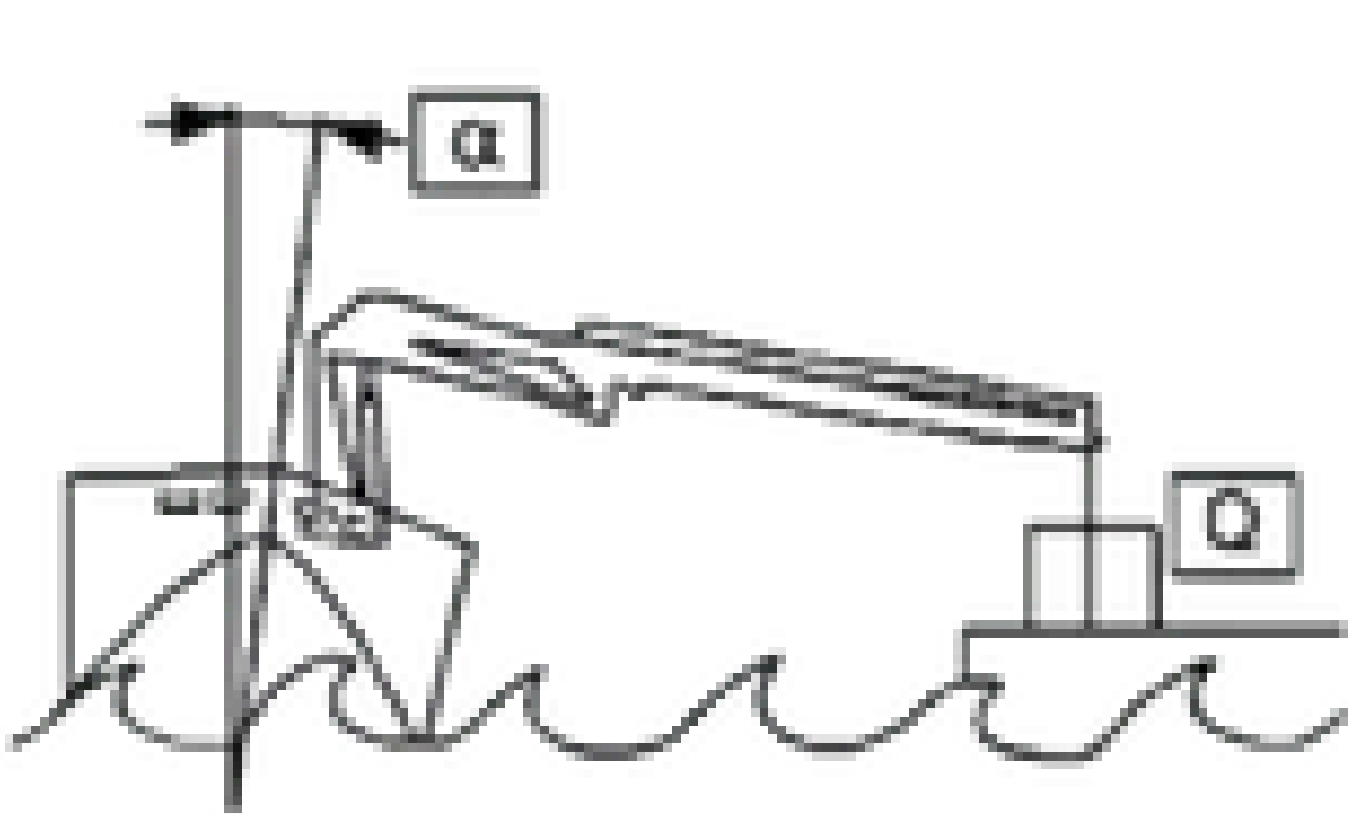


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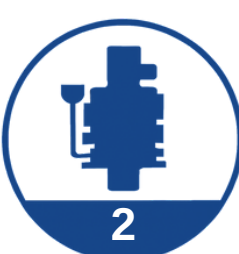
Loading Chart



BS 1500M.7	m	2.5	4.3	5.9	7.4	9.2	10.9	12.8	14.8	16.8		
	Kg	49918	29124	20662	16023	12731	10699	8991	7683	6675		
BS 1500M.8	m	2.5	4.4	6	7.5	9.3	11	12.9	14.9	16.9	18.9	
	Kg	49718	28262	20127	15619	12414	10422	8751	7461	6475	5747	
BS 1500M.9	m	2.5	4.5	6.1	7.6	9.4	11.1	13	15	17	19	21
	Kg	49518	27434	19607	15224	12101	10148	8514	7241	6277	5557	3629







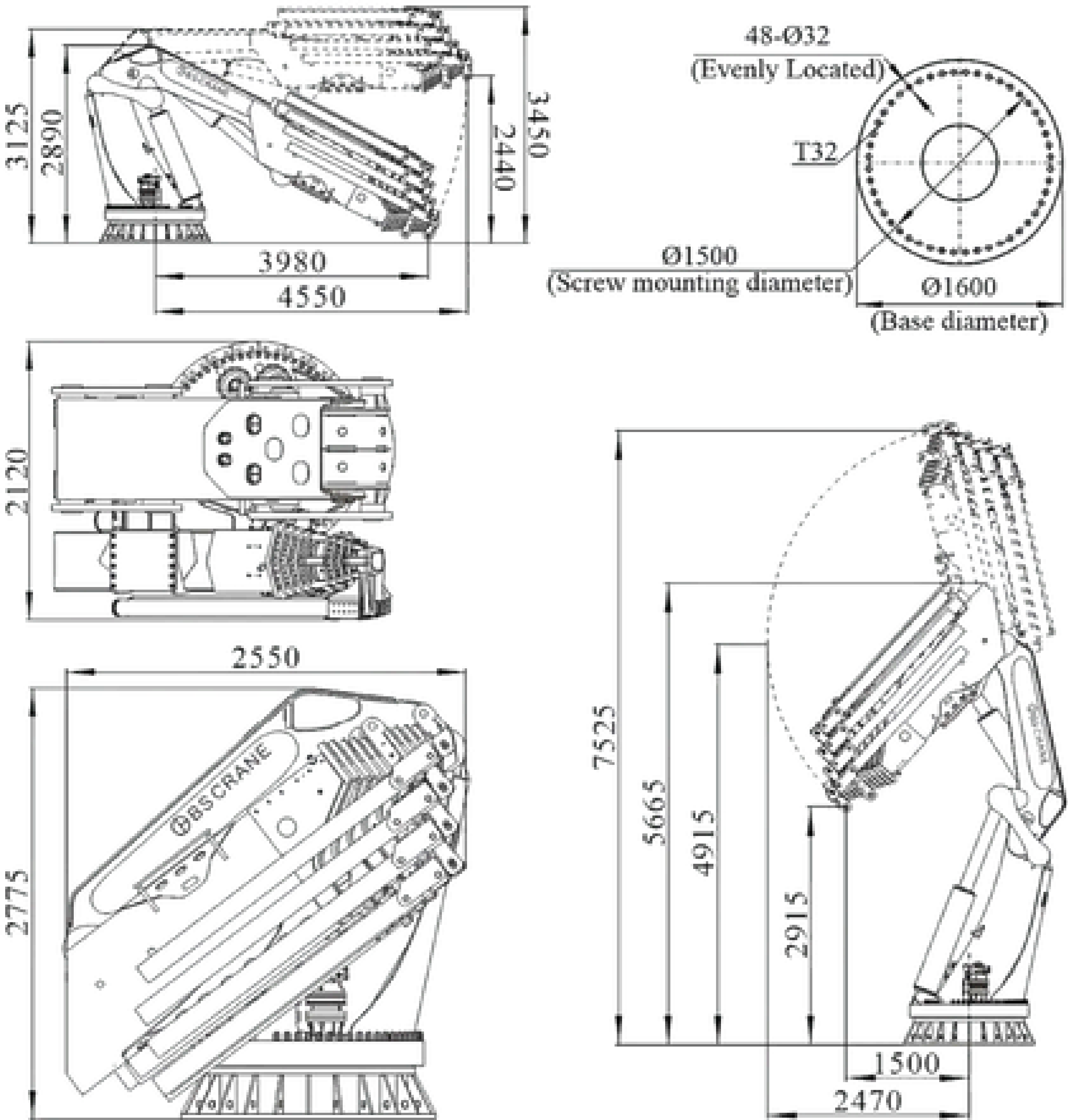
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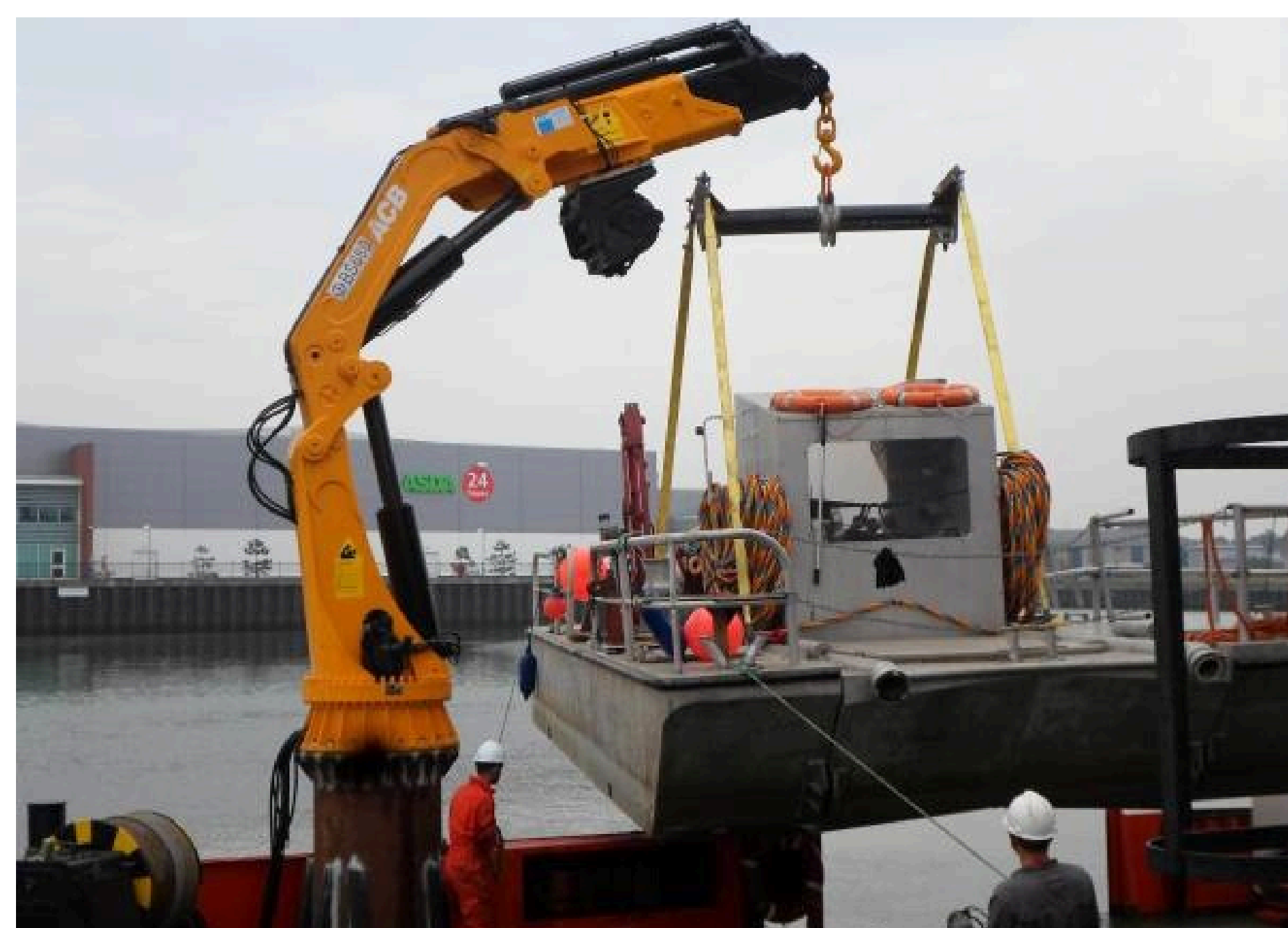
Technical Data

Item	Unit	BS 1500M.7	BS 1500M.8	BS 1500M.9
Lifting Capacity	KN.m	1252	1244	1230
Power	KW	55	55	55
Rotation	°	∞	∞	∞
Working Pressure	MPa	29	29	29
Pump Capacity	cc/r	40~80	40~80	40~80
Oil Tank Capacity	L	600	600	600
Crane Weight	kg	15015 ± 5%	15335 ± 5%	15620 ± 5%

◆

Dimensions









**B. S. CRANE**



*B.S. Truck Crane*



*B.S. Railway Crane*



# ⊕ B.S.CRANE

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