



Multiple Materials

- Aggregates
- Coal
- Pet Coke
- Fertilisers
- Agri Products
- Light Minerals



Multiple Applications

- Stockpiling
- Barge, Truck and Rail Loading
- Material Transfer Conveyor

BF0415T STORMAJOR® BOOM FEEDER

The BF0415T is a tracked bulk material handling system with a wide loading section combined with a luffing and slewing boom. The unit features robust conveyor design, precise discharge control, and PLC-based operation management.

Tailored to receive aggregates and similar bulk materials with densities of up to 1.6t/m^3 directly from rear tipping trucks and front-end loaders, this cutting-edge system offers a generous holding capacity and can achieve a regulated output feed rate of up to 1000 tonnes per hour.

The systems versatility makes it suitable for a multitude of operations, like stockpiling, vehicle loading, and material transfer to process plants. Its compact transport dimensions and customizable options enhance its adaptability handle various site requirements.

OUTPUT RATE UP
TO

1000
TPH

BULK MATERIALS
UP TO

1.6 T/M^3
DENSITIES

LUMP SIZE
UP TO

200
MM



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BF0415T

DETAILED SPECIFICATION

UNDERCARRIAGE CONFIGURATION

The BF0415T is mounted to a tracked sub-frame featuring a robust pair of heavy-duty steel grouser or flat shoe type track units.

POWER PACK INTERGRATION

The feeder and track mechanisms are propelled by variable displacement hydraulic pumps, with motive power supplied via twin electric motor prime movers, offering optimized operational cleanliness

LOADING SECTION

Incorporating a horizontal loading section in combination with a 4.5m wide flared entry, this design affords heightened flexibility in aligning vehicles and optimizes the holding capacity, simultaneously reducing the requirement for an extensive vehicle access ramp. The system is adept at receiving materials directly from trucks or front-end loaders. Notably, the flared entry design facilitates seamless disassembly for transportation between sites, ensuring the BF0415T adheres to restrictive transport dimensions with ease.

OUTLOADING BOOM SECTION

The luffing and radial ranges incorporated in the design provide a versatile feeding capability and facilitate extensive stockpiling, enhancing flexibility in aligning with existing equipment feed points. Additionally, the boom design integrates a folding feature, enabling the BF0415T to adhere to compact transport dimensions without compromising functionality.

CONVEYOR DESIGN

The feeder belt is reinforced by distinctive high-performance, trapezoidal load-bearing apron bars strategically positioned on every pitch of the robust 450kN conveyor chain. This design augmentation enhances overall strength while optimizing belt sealing. For the outloading boom, customization options include a chevron pattern or a plain belt surface, allowing adaptation to the specific material characteristics and discharge height requirements.

MATERIAL DISCHARGE RATE

Controlled volumetric material discharge is achieved through a synergy of a semi-adjustable material levelling plough integrated within the feeder and the application of variable belt speeds, which would be optimized during the initial setup of the equipment.

CONTROLS

The Programmable Logic Controller (PLC) control panel delivers precise control over proportional speed, slew, and luff functions. Tracking operations are efficiently managed through a handheld radio remote control. Furthermore, the unit is equipped with essential features, including a block chute probe at the transfer point and two rotation sensors on each belt, enhancing operational monitoring and control capabilities.

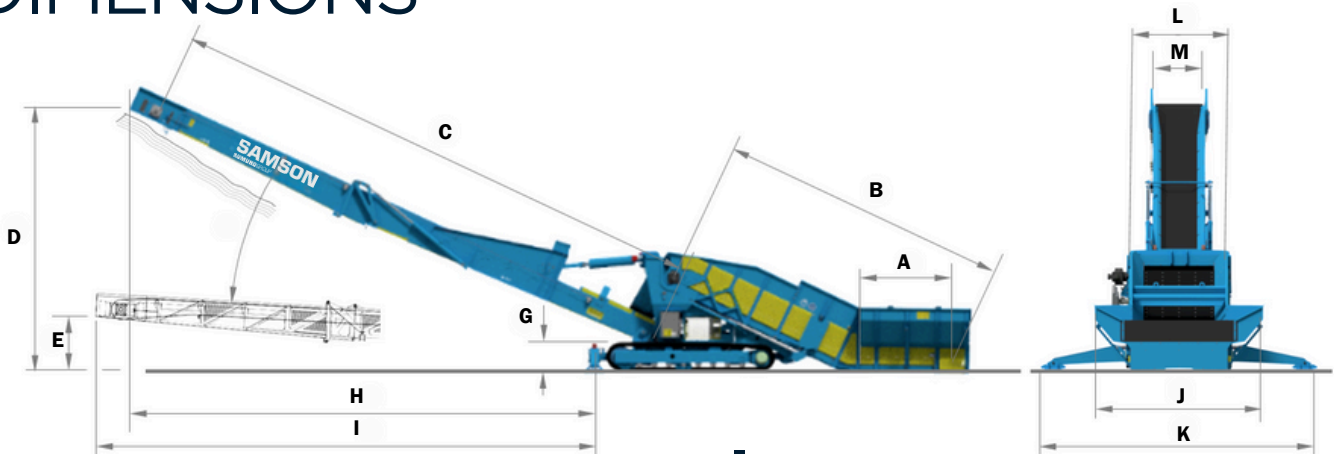
APPLICATIONS

Stockpiling, internal and external. Rail wagon, truck and barge loading. Material transfer to process plant.



BF0415T

DIMENSIONS



OPERATIONAL DIMENSIONS

Entry Length	A	2.8 m
Reception Section	B	8.0 m
Boom Length	C	15.0 m
Max Discharge Height	D	8.4 m
Min Discharge Height	E	1.5 m
Working Boom Luffing Range	F	2° - 25°
Track Height	G	0.8 m
Reach at Max incline Angle	H	12.1m
Reach at Min incline Angle	I	14.0 m
Entry Width	J	4.6 m
Outriggers Width (working)	K	7.7 m
Boom Belt Width	L	1.2m
Reception unit belt width	M	2.2 m
Slewing Range		100° (50° each side)
Max Stockpile Volume (Material repose angle 35°)		2,650 m ³ (fixed feeder position)

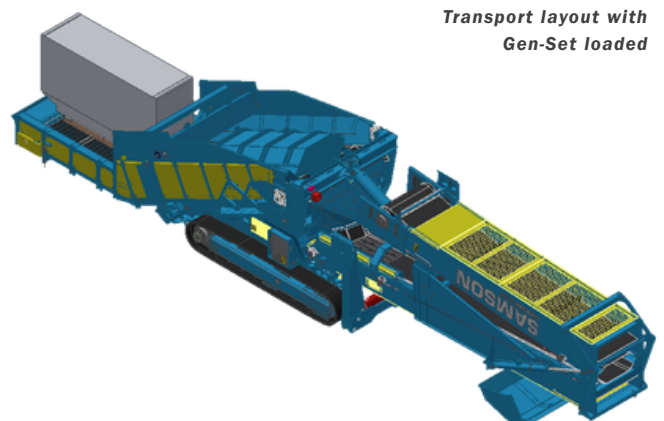
PERFORMANCE

Maximum Material Density		1.6t/m ³
Maximum Lump size	A	200mm
Peak Discharge Rate**	B	1000tph (@1.6t/m ³)

TRANSPORT DIMENSIONS

Total Length		17.5 m
Total Width	A	3.4 m
Total Height	B	3.3 m
Total Weight*	C	36 t

*based on the standard unit with no additional options



Transport layout with
Gen-Set loaded



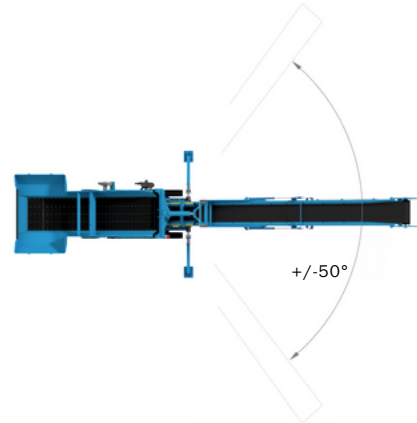
BF0415T

CONFIGURATIONS & EXTRAS

STOCKPIILING LAYOUT

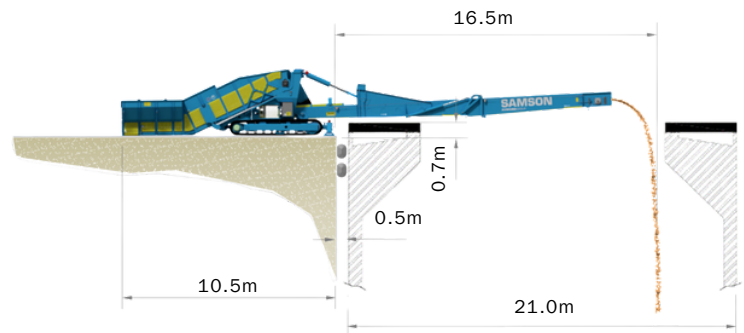
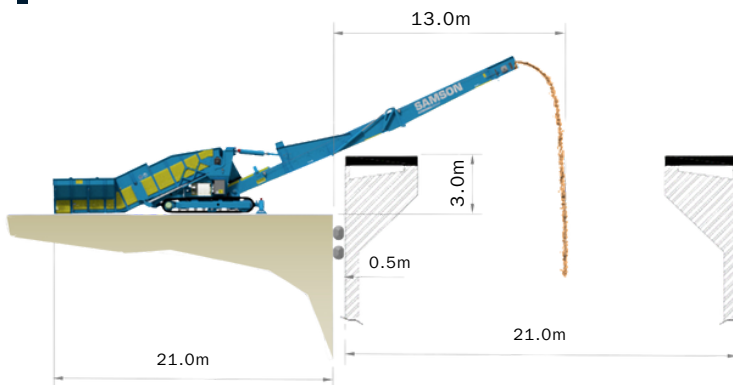


SLEWING RANGE



VESSEL LOADING

Example: Loading 15K DWT Vessel



ROI PLAN

- Low TCO with high performance: reliable, flexible, highly available machinery.
- Efficient, eco-friendly solutions backed by AUMUND GROUP's resources and technology.
- ISO 9001 certified processes ensure top-quality standards.
- 24/7 after-sales support for long-term client relationships, including spare parts, maintenance and refurbishment

OPTIONAL EXTRAS

- Abrasion-Resistant Wear Plates (located within the transfer chute & optional centralising discharge chute)
- Weather-Resistant PVC Covers for the Main Boom and Feeder unit to protect from Weather elements and increase Dust Containment
- Generator Configuration Options: sized for power travel only or full unit power allowing for full remote working
- Streamlined Centralizing Discharge Chute with Blocked Chute Probe
- Plain and Chevron main boom belt
- Vibratory motor mounted to transfer chute to aid sticky materials
- Wireless hand-held remote
- Working lights

