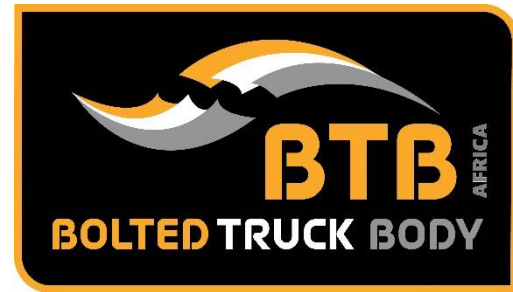


EVOLUTION through INNOVATION

BTB AFRICA (Pty)Ltd.



Bolted Truck Body

Easy to Transport

Easy to Assemble

Customize Body to suit Application

Cost Affective Maintenance

Circular Economy - Interchangeable Parts

www.btbafrica.co.za



EASY TRANSPORTATION



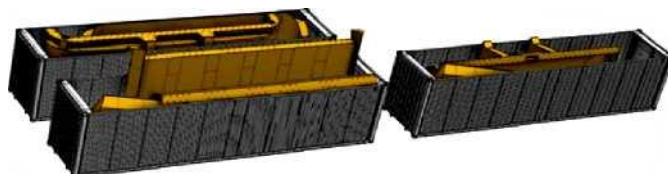
- NO ESCORTS OF ANY TYPE, POLICE OR OTHERS
- ZERO ROAD DISTURBANCE
- ZERO DAMAGE TO TRAFFIC LIGHTS, ROADS OR TREES DURING TRANSFER
- VERY LOW TRANSPORT COST FOR ROAD OR SEA FREIGHT
- TRANSFER TO BE DONE IN 2 OR 3 40 FOOT CONTAINERS



Now - Old Way




Future - New Way



OPERATIONAL



BOLTED TRUCK BODY

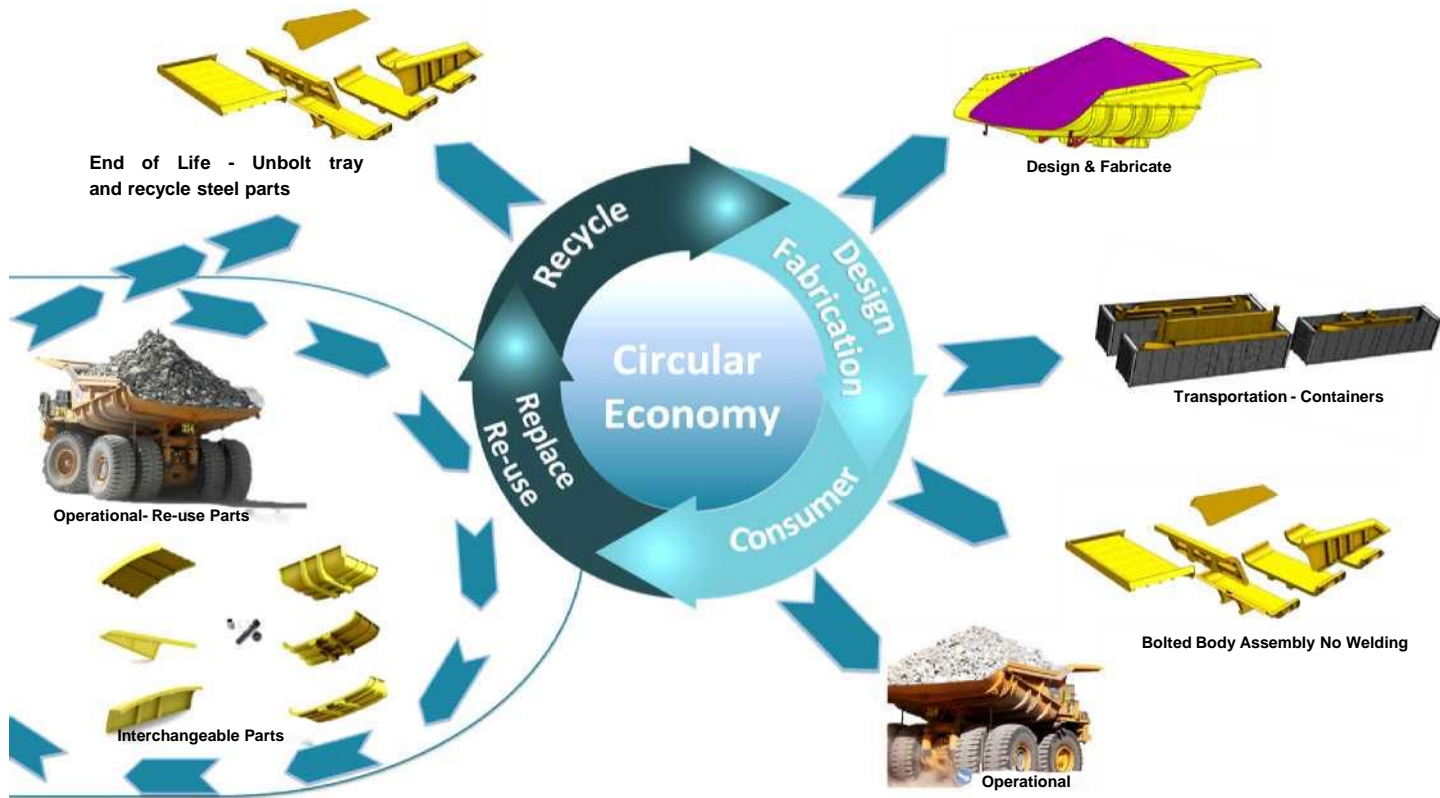


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CIRCULAR ECONOMY

4
I
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BOLTED TRUCK BODY

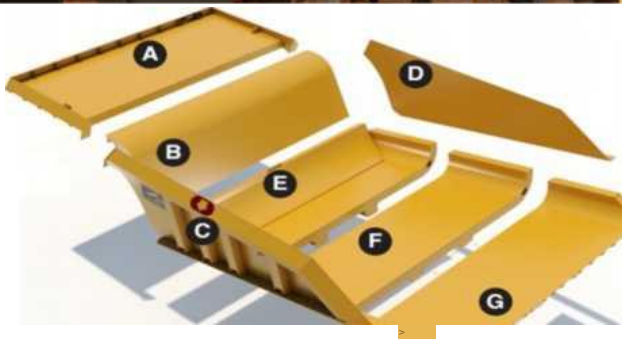
BTB has been designed to withstand the harshest mining environment. BTB is a modular system that can be transported in containers anywhere in the world. BTB can be assembled on site in only two days, without welding any components.

BTB can be easily disassembled and repaired on-site, by unbolting and bolting back body components. The body can be customized designed for all applications, to suit the right weight and the right working conditions. Designing a tray of this caliber, improves operational efficiency, reduces maintenance costs, it is *environmentally* friendly, with a long life cycle, which provides a significantly improvement on your return on investment.



Sections:

- A. Canopy
- B. Front wall
- C. Side Walls
- D. Side Walls
- E. Front Floor
- F. Floor Centre
- G. Rear Floor



Range of MODELS Available



- CAT775, CAT777, CAT785, CAT789, CAT793 & CAT 797
- KOM630, KOM730, KOM830, KOM930 & KOM960 with Komatsu BAW signed off for KOM830, KOM930 & KOM960
- MT4400 range
- Hitachi range

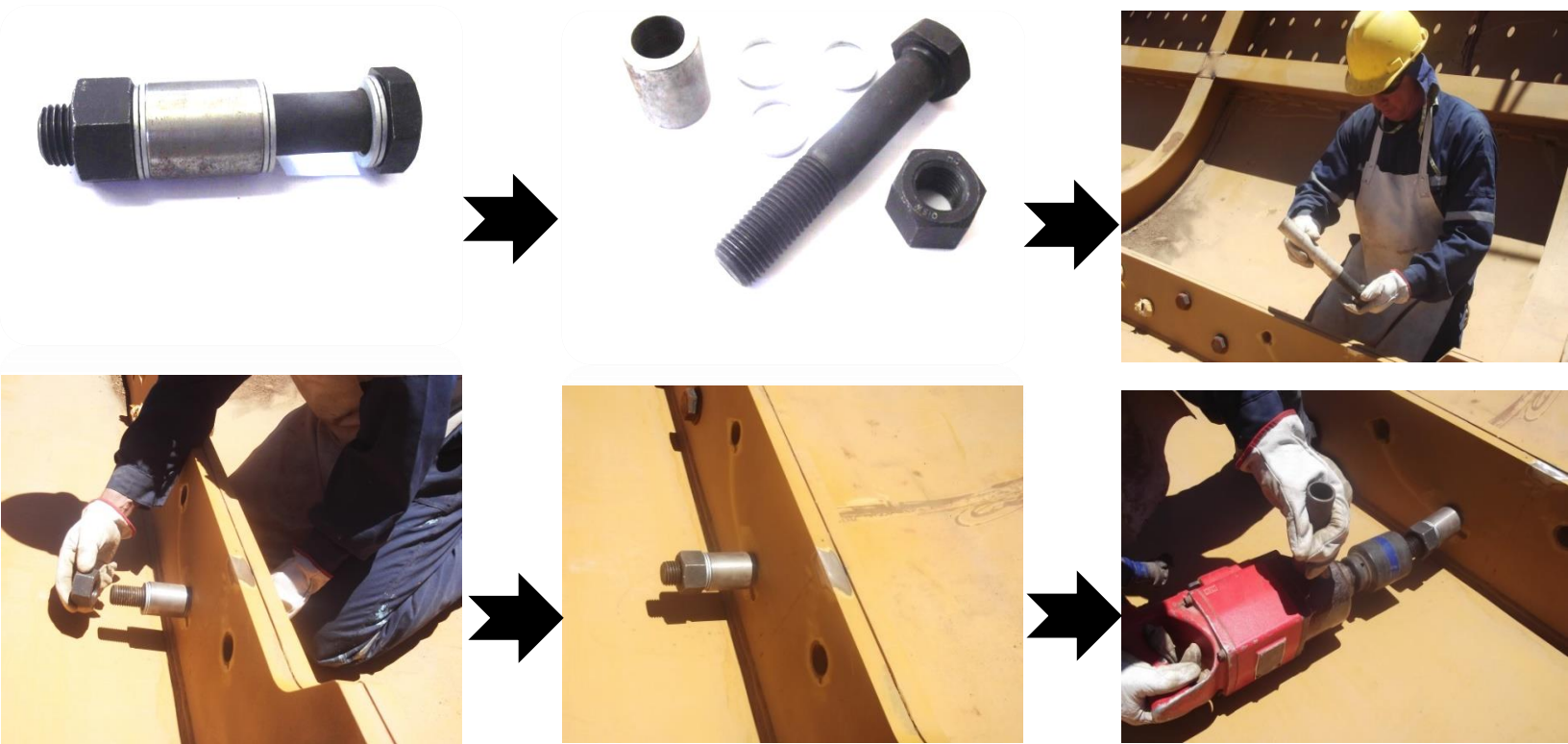
- ONLY 2 DAYS ASSEMBLY PER TRAY
- NO WELDING REQUIRED
- TRAYS ARE FULLY BOLTED



ASSEMBLY @ THE MINE (CONTINUE)



THE BOLTS



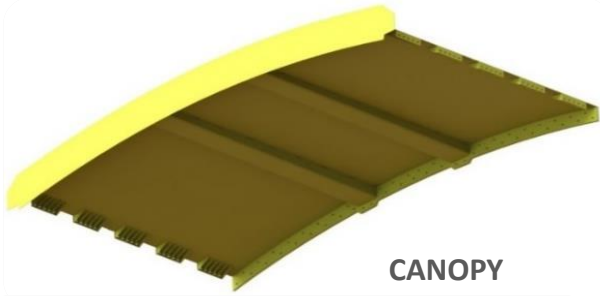
The bolts are Grade ASTM A 354- BD Q & T bolts, M 30 x 3.5 x 180mm, and 400 off will be supplied with the tubes, and Nord-Lock friction washers, and nuts.

These will be supplied with the tray, and a specific sequence needs to be adhered to when assembling the tray.

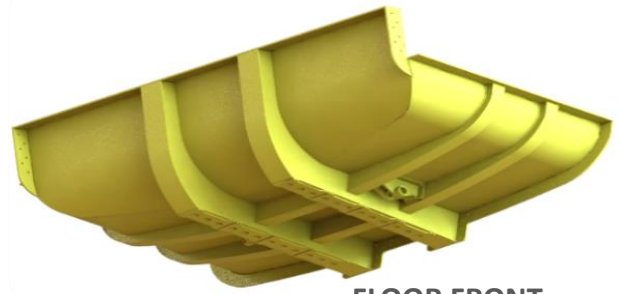
Bolts are torqued to a required Nm, and marked in situ for future monitoring.

A Complete assembly manual for the bolts will be supplied.

AFTERMARKET SPARE PARTS AVAILABLE



CANOPY



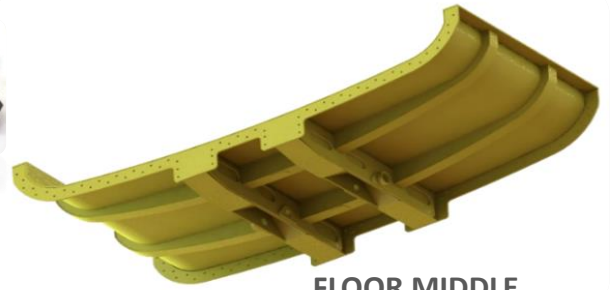
FLOOR FRONT



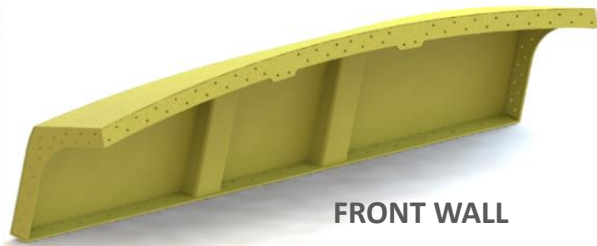
SIDE WALL(S)



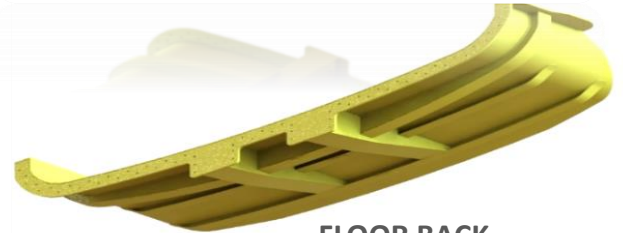
BOLTS



FLOOR MIDDLE



FRONT WALL

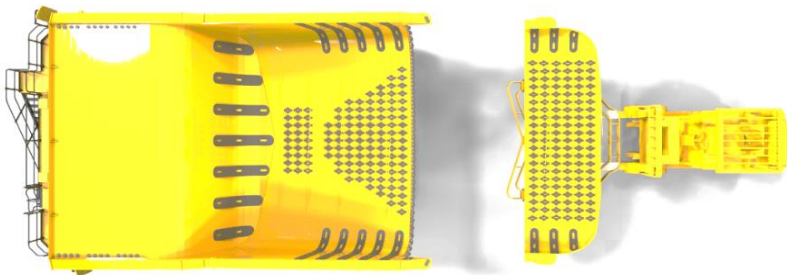


FLOOR BACK

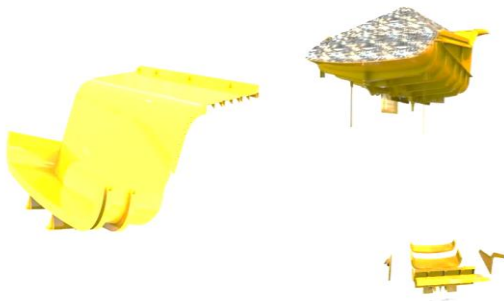
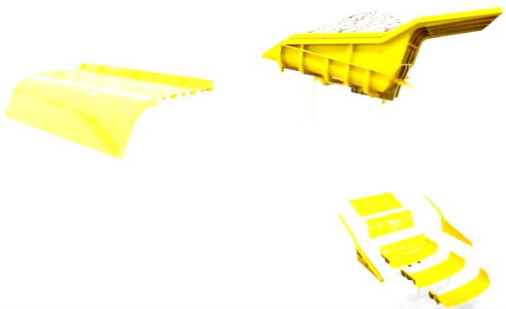
A Unique maintenance program will be supplied to the client on delivery of the required number of trays, based on the material loaded and transported.

We suggest that the maintenance program and intervals of replacement parts be adhered to in order to obtain the maximum life span per unit.

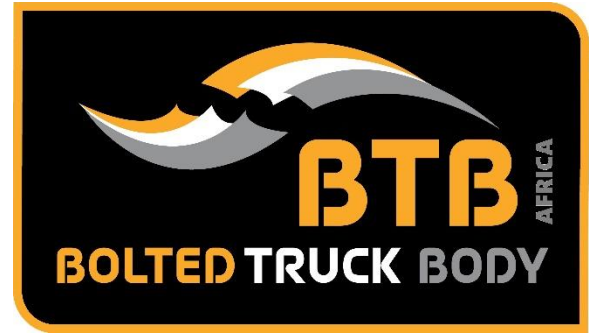
INTER-CHANGEABLE PARTS



SEE SUGGESTED INTERVALS FOR REPLACEMENT OF SEGEMENTSAND PARTS



INCREASED PAYLOAD



OPERATIONAL IN CHILE COPPER MINE



308t Payload of Copper Rock on a 930E Truck

TYPICAL TECHNICAL DATA

BTB AFRICA TECHNICAL SHEET



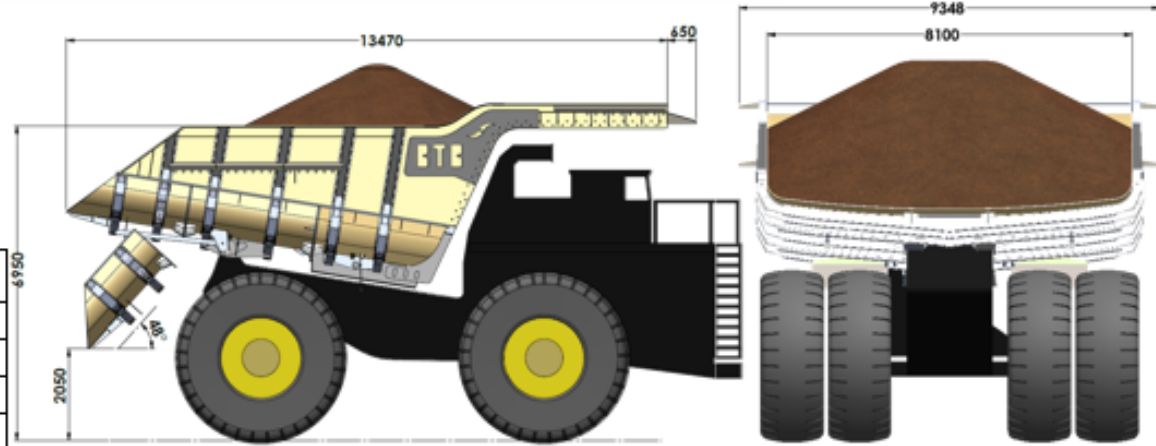
TECH SHEET NO.	
RG-PTB-00 -1	

TECH SHEET	
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CLIENT	
MINING COMPANY:	CLIENT XXXX
TRUCK MODEL:	KOMATSU 930 E4
CONTACT:	

TECHNICAL INFO	
BODY WEIGHT:	32600 Kg.
LOADING VOLUME:	160.1 m ³
DENSITY:	1.85 t/m ³
LOAD SAE 2:1:	356 ton. metric
LOAD REAL:	296 ton. metric
GVW:	501.974 Kg.

DIMENSIONS	
MAXIMUM LOADING HEIGHT - SIDE WALL:	6950 mm.
INTERNAL BODY WIDTH:	8100 mm.
DUMPING HEIGHT (48°):	2050 mm.
BTB TOTAL LENGTH:	14120 mm.
MAXIMUM LIFTING HEIGHT :	14618 mm.



COMMENTS	
BTB BODY WEIGHT DOES NOT INCLUDE LINERS	
LINERS AVAILABLE ON REQUEST	



BTB AFRICA TECHNICAL SHEET

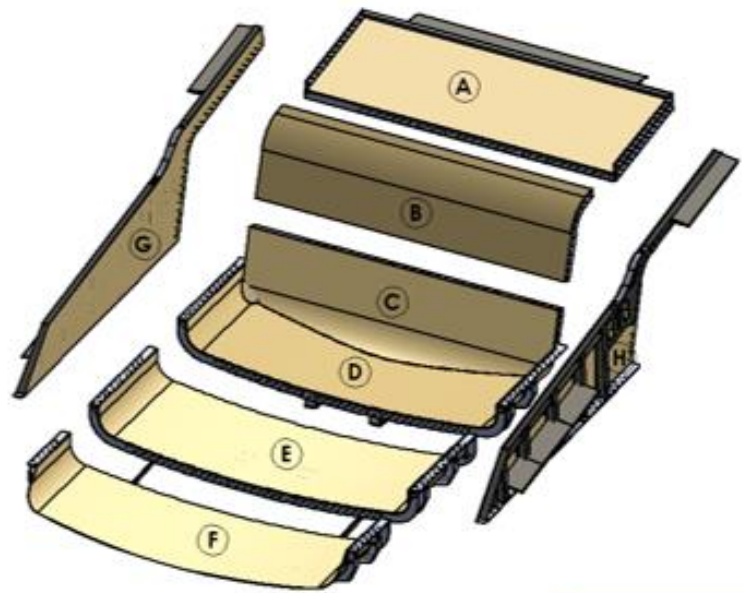
CLIENT	
MINING COMPANY:	CLIENT XXXX
TRUCK MODEL:	KOMATSU 930 E4
CONTACT:	



TECH SHEET NO.	
RG-PTB-00 -1	

TECH SHEET	

STEEL PLATE MATERIAL THICKNESS		
A	CANOPY	10 mm. HB 400
B	UPPER FRONT WALL	12 mm. HB 450
C	LOWER FRONT WALL	12 mm. HB 450
D	FLOOR FRONT	20 mm. HB 450
E	FLOOR CENTRE	20 mm. HB 450
F	FLOOR BACK TAIL	20 mm. HB 450
G	LEFT SIDE WALL	10 mm. HB 450
	RIGHT SIDE WALL	10 mm. HB 450



BTB AFRICA TECHNICAL SHEET

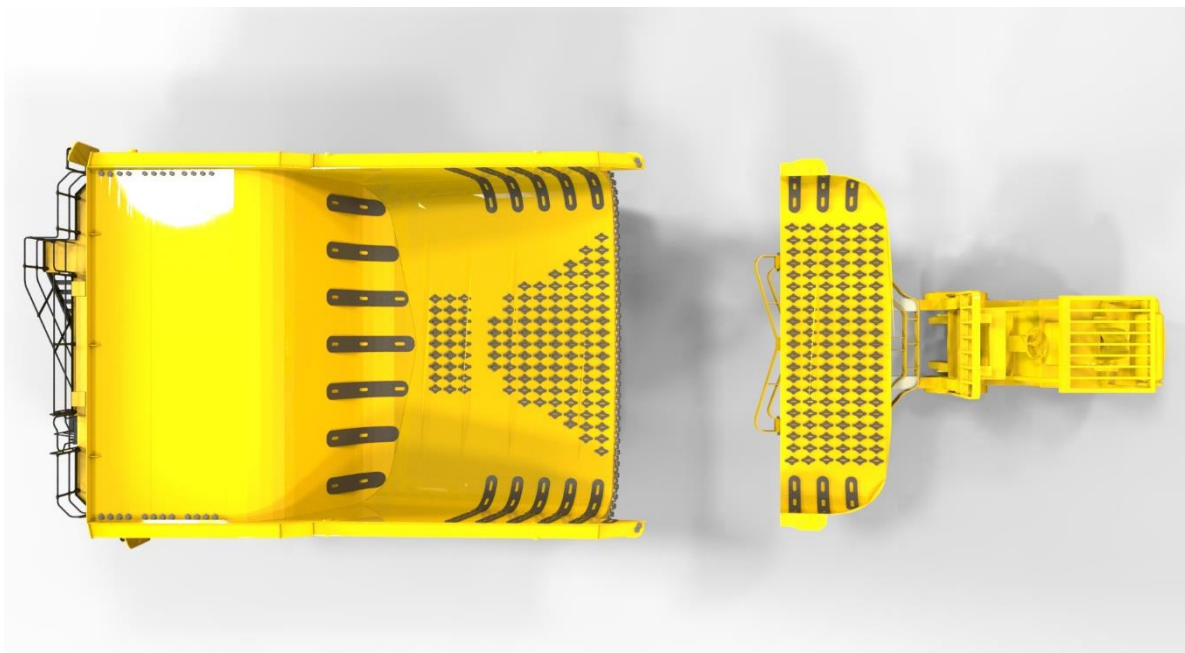
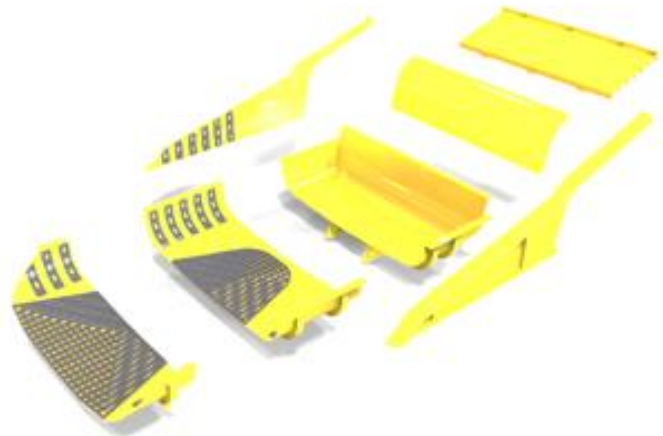
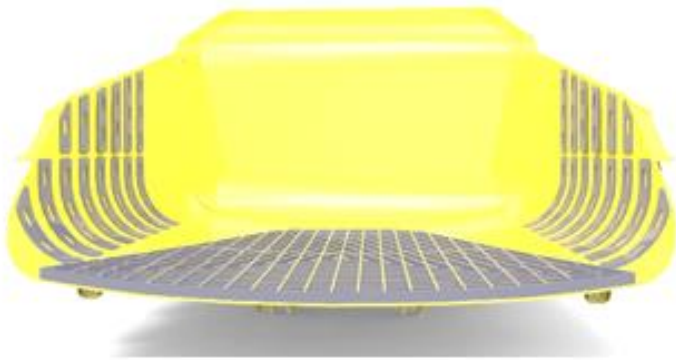
CLIENT	
MINING COMPANY:	CLIENT XXXX
TRUCK MODEL:	KOMATSU 930 E4
CONTACT:	



TECH SHEET NO.	
RG-PTB-00 -1	

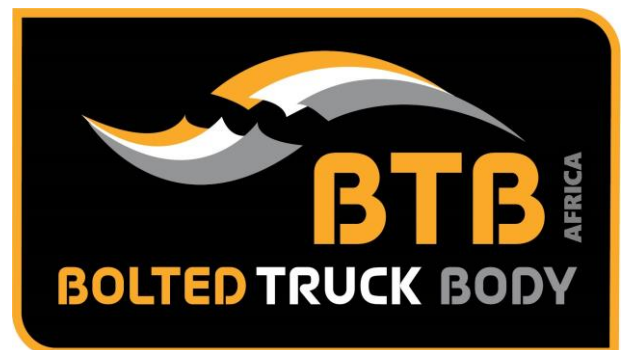
TECH SHEET	

LINER MATERIAL PLATE THICKNESS - OPTIONAL		
A	FLOOR FRONT	10-12 mm. HB 500
B	FLOOR CENTRE	10-12 mm. HB 500
C	FLOOR BACK TAIL	10-12 mm. HB 500
D	LEFT SIDE WALL	10-12 mm. HB 500
E	RIGHT SIDE WALL	10-12 mm. HB 500



The advantages of the BTB:

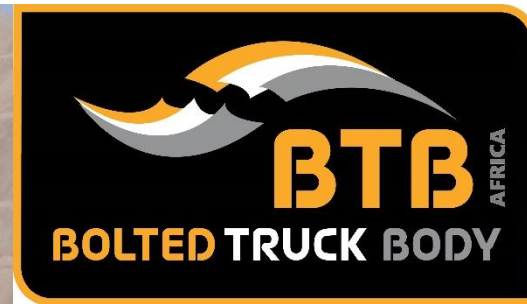
- Easy to transport (escort free).
- No spilling up to 14° incline (modification of the angle of the dump body with respect to the chassis of the truck).
- S-shape & curves (reduces hang-ups).
- Curved floor and radial ends (allow a good load distribution by axes and center of gravity stability).
- Beam design with radius variant type (high resistant to impact).
- On site assembly (any part can be replaced on site).
- Replacement of part and pieces on the truck (reduce maintenance and cost)
- Sidewalls protected with kick plates (extend life usage).
- Replacement kits (in stock on-site).
- The highest level of engineering (using the FEM method and analytical studies).
- Anti-abrasive plates.
- Structural steels with high yield strength.
- Tray made up of 7 pieces (allowing the replacement of any of piece).
- Bolting system is engineered to handle all the demands required for mining applications. Bolt once and never again, unlike other systems that require constant adjustments such as rope adjustment.
- The BTB can also be configured with heating system for colder weather requirements.



BENEFITS OF THE BTB

Benefits:

- **Greater capacity of Loading**
- **Greater life usage of components**
- **Reduces fatigue damage**
- **Impact resistance**
- **Improve effectiveness**
- **Increases the cycles per hour**
- **Stability and less spillage**
- **Reduces cost of Maintenance**
- **Greater lifetime**
- **Easy maintenance**
- **Bolted, no welding**
- **Easy transport Inland/Shipping**



QUESTIONS ???

