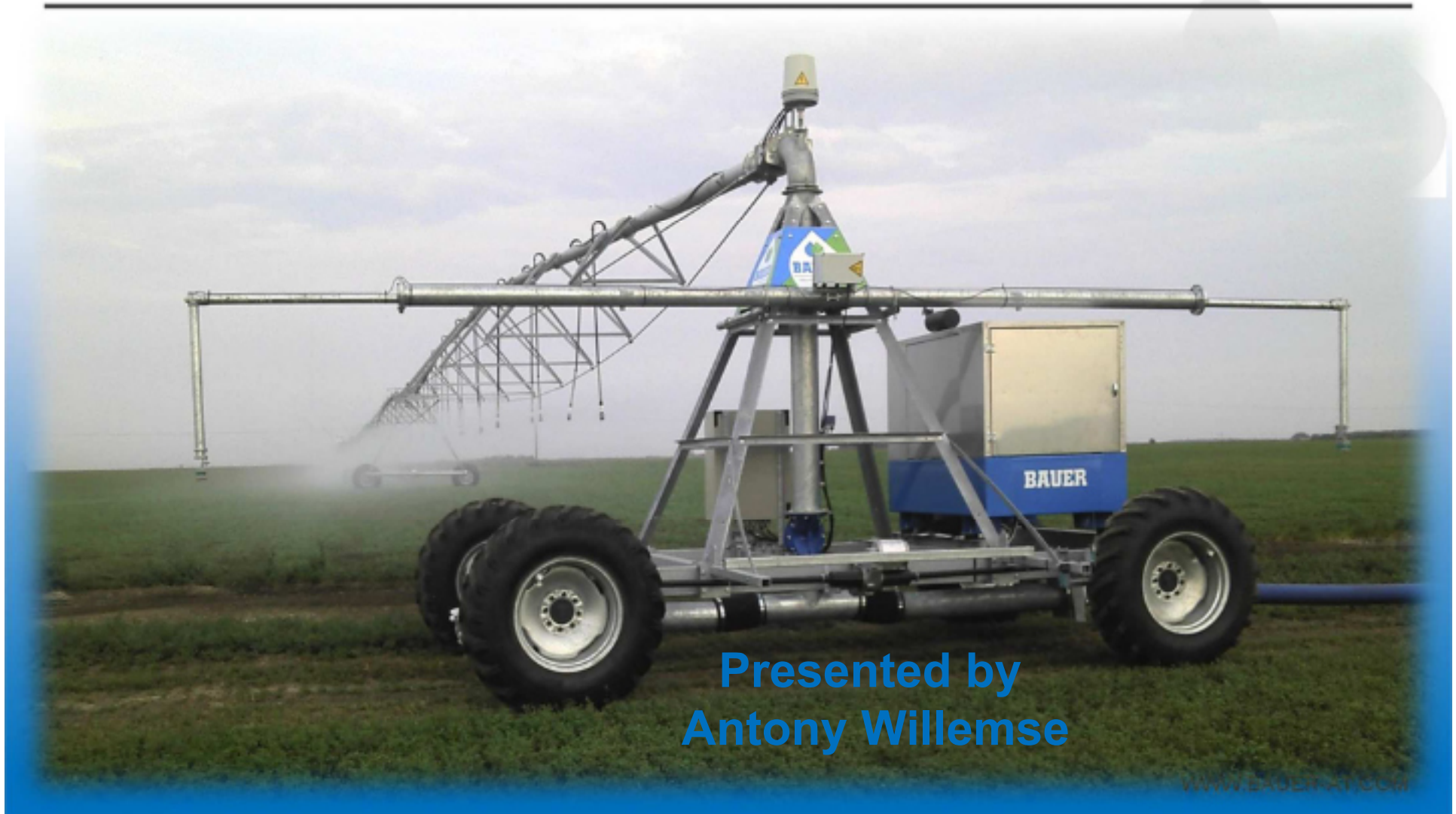


Bauer Centreliner 9000 – Technical Specifications



Presented by
Antony Willemse

Bauer Centreliner 9000 – Cart Options CLS Cart

Centreliner CLS Features:

- Manual Boom Swivelling Function.
- End connections for hose.
- Double connection option.
- Maximum 10 Spans – 552metres.

Drag Hose Lengths:

- Max 130m x 5" Hose 200m³/hr Flow.
- Max 110m x 6" Hose 250m³/hr Flow.



Bauer Centreliner 9000 –Cart Options CLS Cart

Hose Connections:

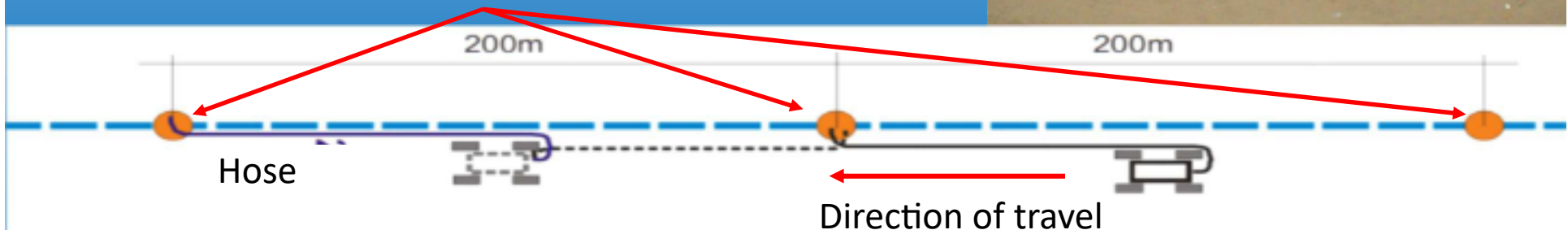
- Single Hose Connector both ends.
- Rigid connection.
- Strong towing capacity.
- Cap for closed end supplied.
- Designed so cart does not run over the hose
- Hose connected to trailing connection.
- Step hose to next Hydrant



Bauer Centreliner 9000 –Cart Options CLS Cart

Hose Connections:

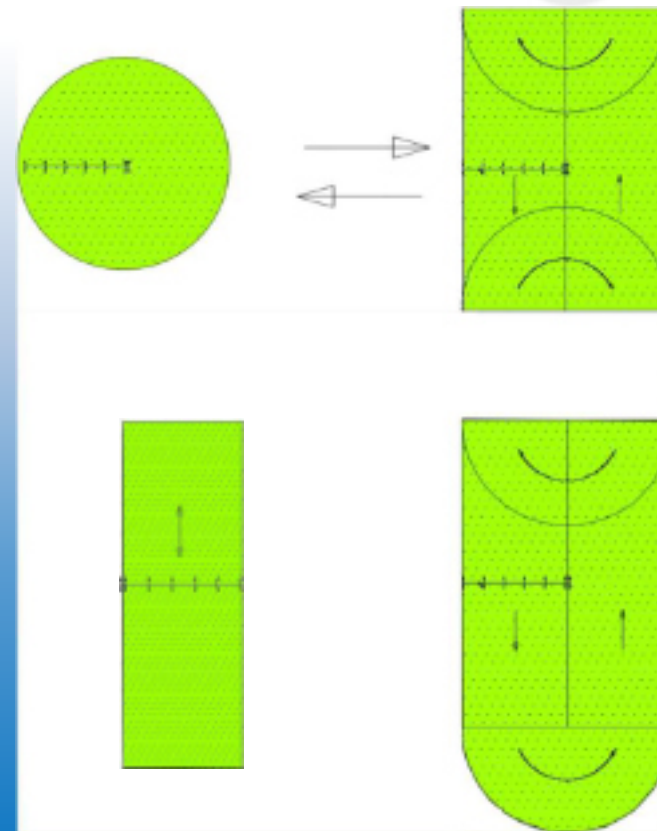
- Double Hose Connector one or both ends of the cart.
- Rigid connection.
- Strong towing capacity.
- Caps for closed end supplied.
- Designed for continuous linear run, no Hydrant stops.
- Hoses connected to trailing connection.
- Hose connected to two Hydrants simultaneously.



Bauer Centreliner 9000 –Cart Options CLS Cart

CLS Functions:

- Full Circle Operation, no hose change.
- Single or double sided operation.
- Dry inward swing function.
- Wet outswing function.
- Full Hippodrome operation.
- Half Hippodrome continuous function.
- One linear/pivot function continuous run.
- Hose change required for Hippodrome.
- Dual nozzling option.



Bauer Centreliner 9000 –Cart Options CLE Cart

Centreliner CLS Features:

- Automatic Boom Swivelling Function.
- Flexible hose connection –both ends.
- Chain hose support.
- Maximum 10 Spans –552metres.

Drag Hose Lengths:

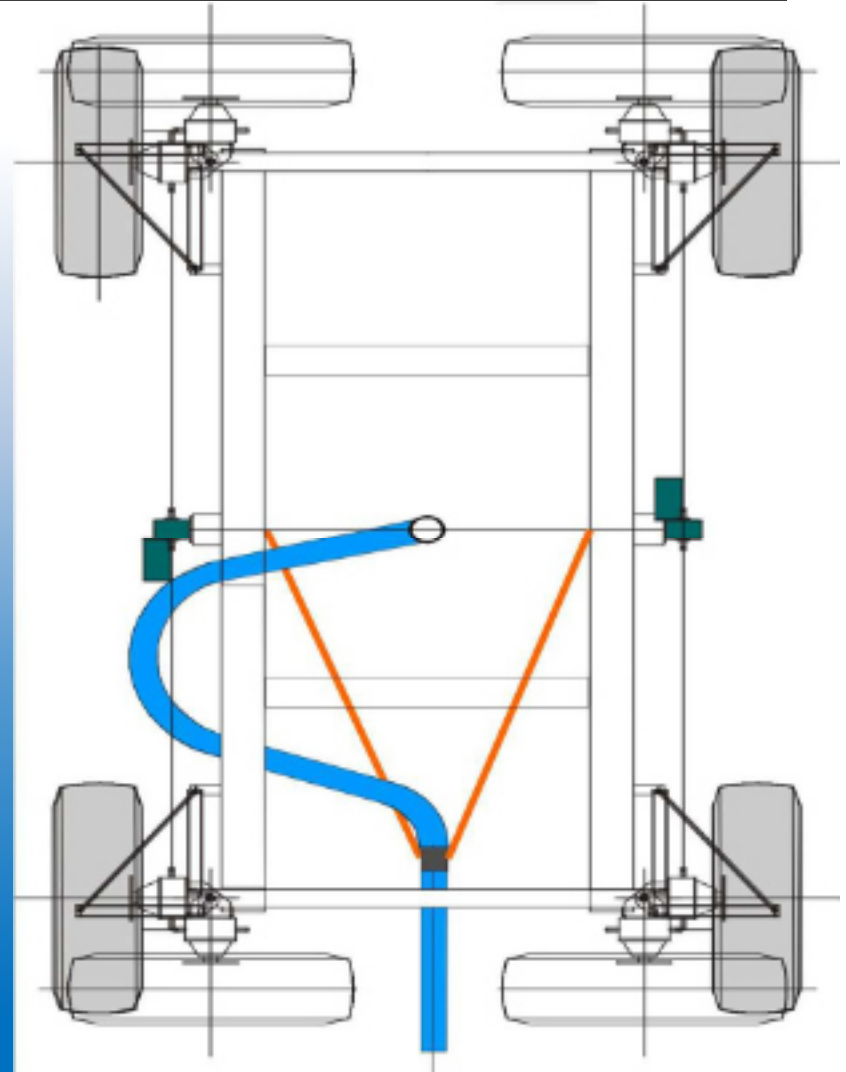
- Max 200m x 4" Hose max 120m³/hr Flow.
- Max 130m x 5" Hose max 200m³/hr Flow.



Bauer Centreliner 9000 –Cart Options CLE Cart

Hose Connection:

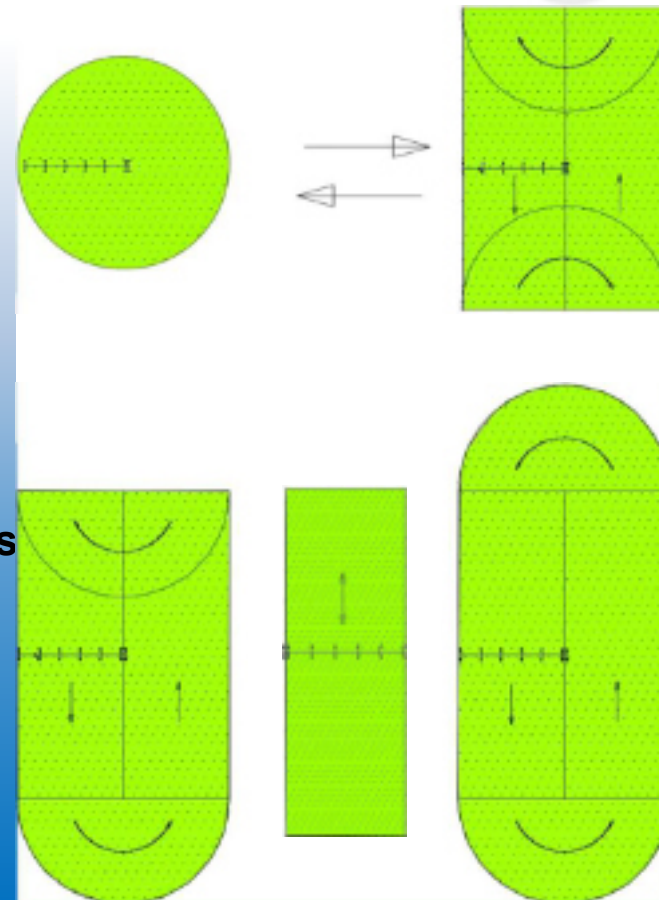
- Single flexible Hose Connection .
- Can swing to either end of the cart
- Central pulling force.
- Designed so cart does not run over the hose.
- Hose swung to trailing cart end.
- Step hose to next Hydrant



Bauer Centreliner 9000 –Cart Options CLE Cart

CLE Functions:

- Full Circle Operation, no hose change.
- Single or double sided operation.
- Dry inward swing function.
- Wet outswing function.
- Full continuous Hippodrome operation.
- Continuous function without hose change possible.
- Programmable continuous function.
- Dual nozzle option.



Bauer Centreliner 9000 –Cart Options CLX Cart

Centreliner CLX Features:

- Swivelling Cart
- Automatic Boom Swivelling Function.
- Flexible hose connection –both ends.
- Chain hose support.
- Maximum 10 Spans –552metres.

Drag Hose Lengths:

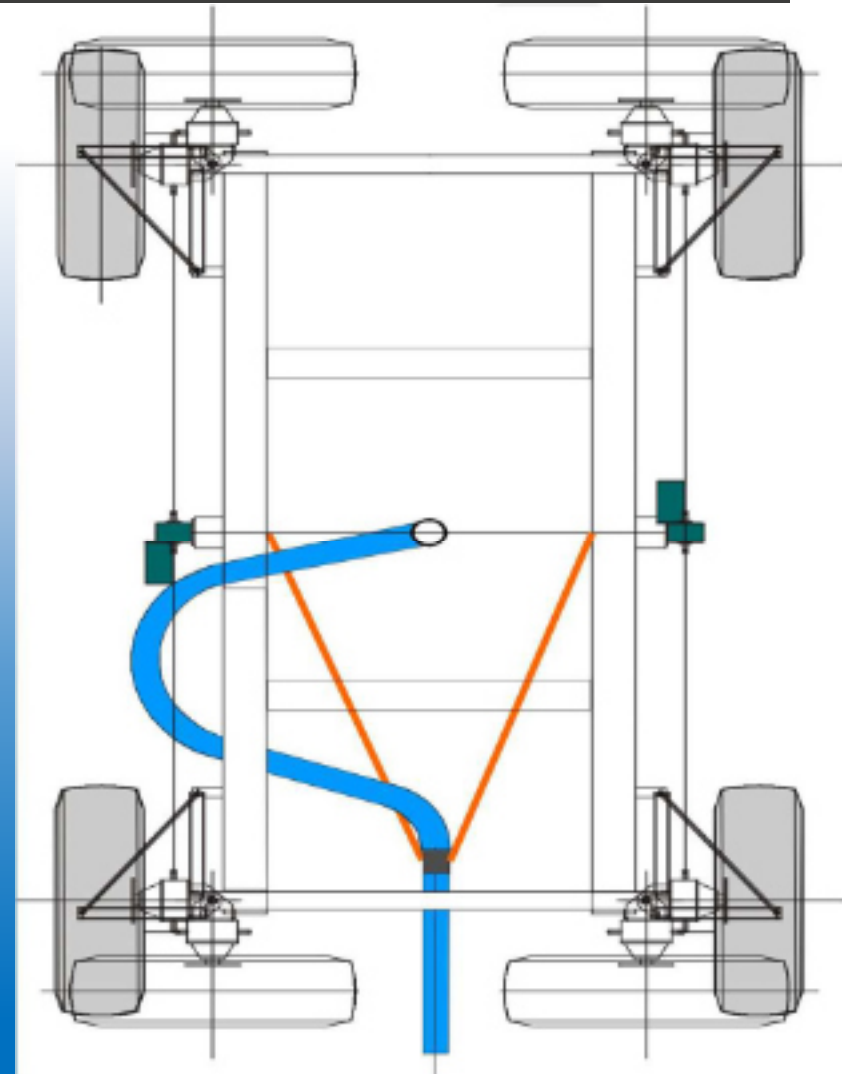
- Max 200m x 4" Hose max 120m³/hr Flow.
- Max 130m x 5" Hose max 200m³/hr Flow.



Bauer Centreliner 9000 –Cart Options CLX Cart

Hose Connection:

- Single flexible Hose Connection .
- Can swing to either end of the cart
- Central pulling force.
- Designed so cart does not run over the hose.
- Hose swung to trailing cart end.
- Step hose to next Hydrant



Bauer Centreliner 9000 –Cart Options CLX Cart

Cart Functions:

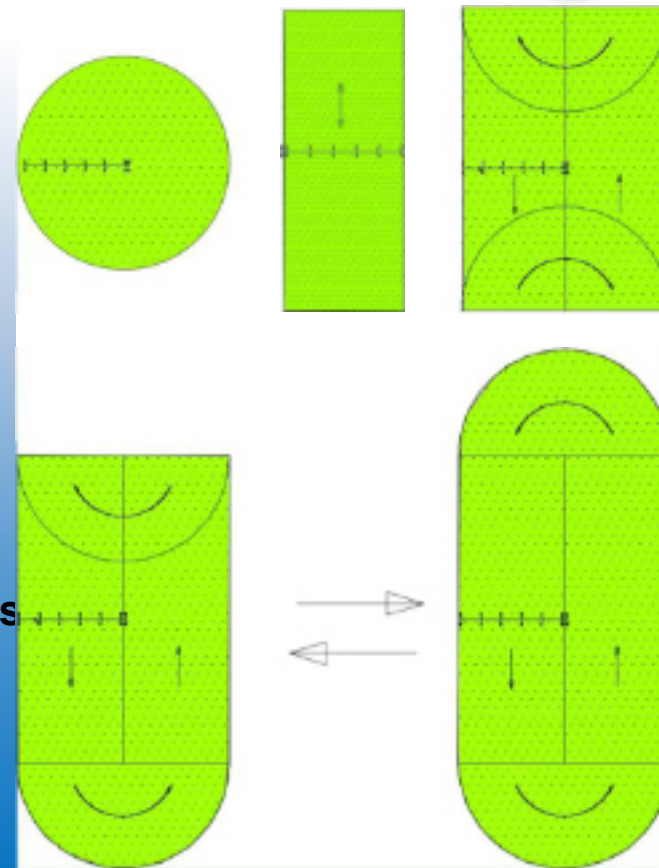
- Full cart swivelling function.
- 1.1kW drive motor for each wheel.
- Electric operation options.
- Cart can be turned to any angle.
- Machine can then be re-aligned to the pivot.
- Electric axle pivot also available for manual pivot.
- Designed for odd shape paddocks.
- Jack available for manual pivot. • To



Bauer Centreliner 9000 –Cart Options CLX Cart

CLX Functions:

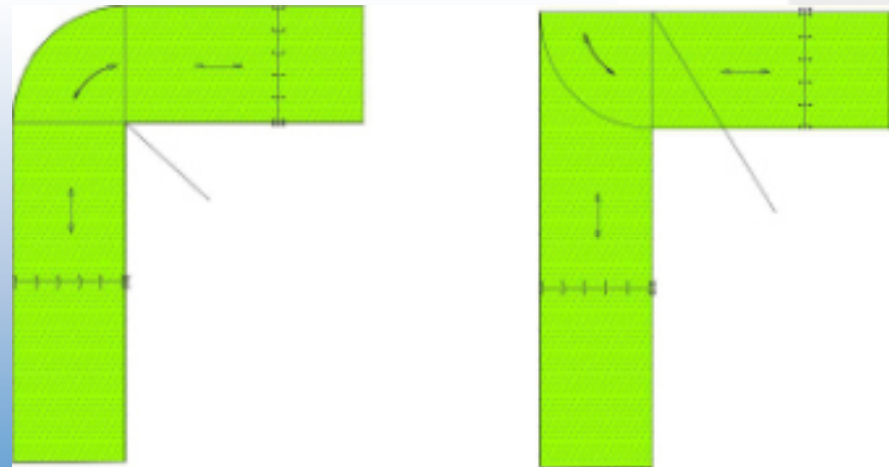
- Cart swivel capability.
- Full Circle Operation, no hose change.
- Single or double sided operation.
- Dry inward swing function.
- Wet outswing function.
- Full continuous Hippodrome operation.
- Continuous function without hose change. possible.
- Programmable continuous function.



Bauer Centreliner 9000 –Cart Options CLX Cart

CLX Functions:

- Whole machine swivel capability.
- Steer machine to any angle.
- Flexible to odd shaped properties.
- Dual nozzling option mandatory.
- Additional program functions(11 Programs).



Bauer Centreliner 9000 –Ditch Feed

- **Linear/Pivot Functions.**
- **Connection and rising main Ø 200mm.**
- **Capacity up to 450m³/h with 8" valves.**
- **Capacity up to 300m³/h. with 6" valves.**
- **Cable/Buried Cable Guidance.**
- **Track Off-set Function.**
- **Towable Options**



Bauer Centreliner 9000 – 4 Wheel Cart Powered by Genset

Diesel Gen-set Features:

- Where no power connection is available.
- Low fuel consumption 4 –6L/hr.
- Standard & High Profile configurations available.
- Selection of 8, 11, 15, 20 all machines of cover types suited to application. •Elicitation.
- Selection of control types.
- Remote stop possible.
- Sound dampening available.
- Custom builds possible.



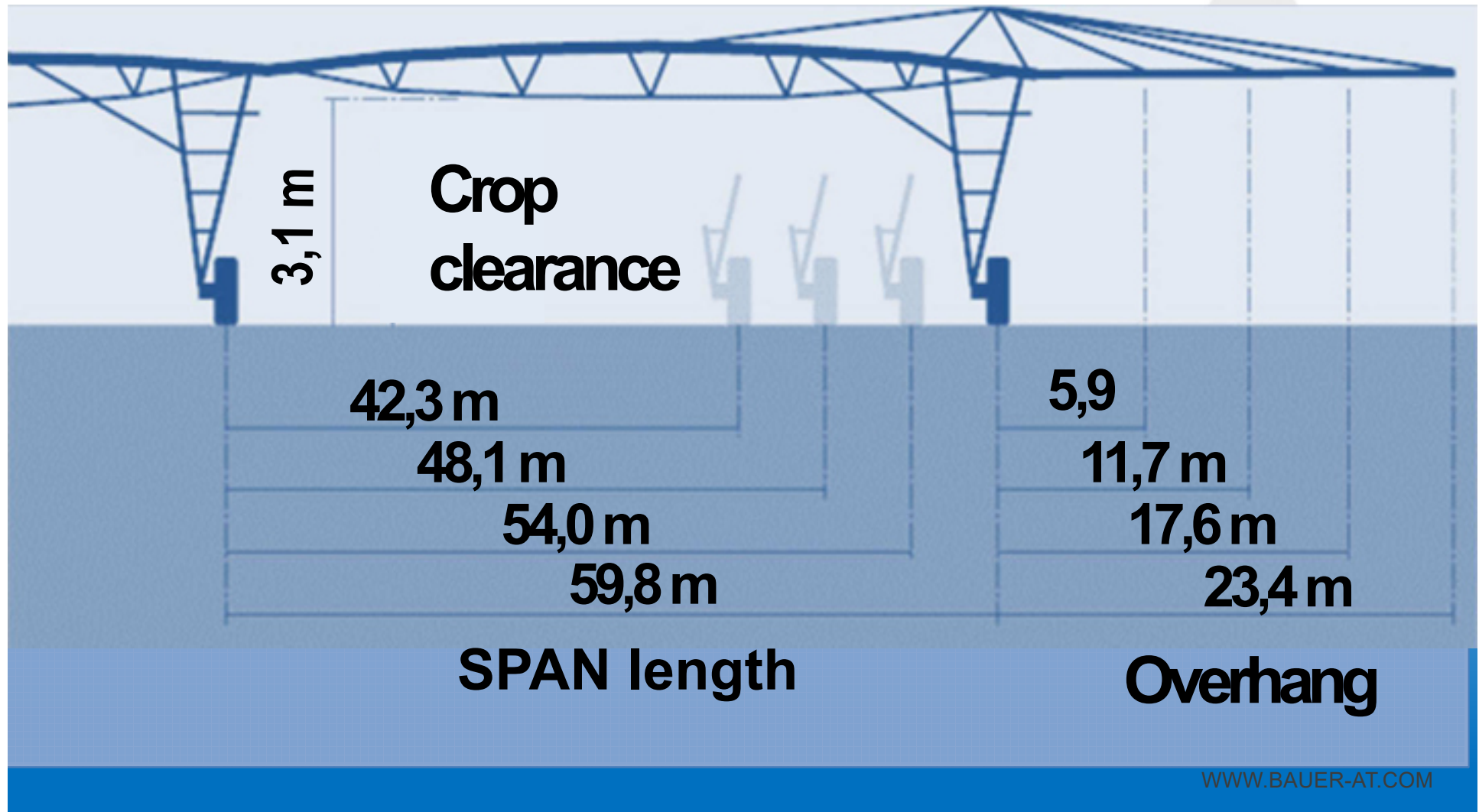
Bauer Centreliner 9000 –Powered by Genset

Features:

- Hour meter •Fuel Gauge •Timer function
- Pump protection notification
- Periodic Maintenance notifications •Emergency stop
- Safety shut off functions
- Battery & Oil warning lights
- Air filter & engine temperature shut off
- Automatic control of engine pump



Bauer Centreliner 9000 –Span Configurations



Bauer Centreliner 9000 –Span & Drive Tower Specifications

Features:

- Modular span design
- Spans all made from singular parts list for simplicity of build
- Designed to optimise weight/strength/ length for ultimate traction
- Heaviest Truss rods for maximised stability/flexibility
- Truss bracing packs colour coded, & the same on all spans
- Rigid tower bracing to stabilise the span

Type	168	203
Pipe	Ø 168 x 2.75mm	Ø 203 x 2.5mm
Truss Rods	Ø 20mm	Ø 20mm
Truss Angles	50 x 50 x 4mm	50 x 50 x 4mm
Drive Tower Legs	100 x 75 x7mm	100 x 75 x7mm
Available Span Length	59.8m;54m; 48.1m;42.3m	54m;48.1m; 42.3m
Towable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Bauer Centreliner 9000 –Span Weight Spec



Span Weights with Water

The table below represents the laden weight/machine span for each span type produced by Bauer. For High Profile spans, and allowance of 50 –100Kg additional weight would need to be added to the tabled laden weights, depending on pipe size, and structure cross sections.

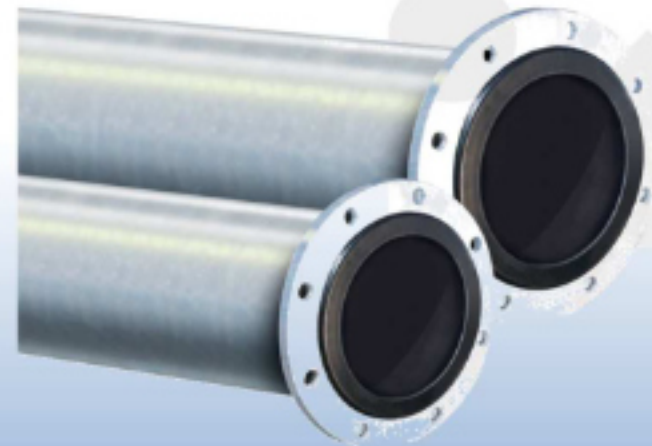
Span Lengths	42.3metres	48.1metres	54metres	59.8metres
Weight 168EL/E	2565Kg	2845Kg	3125Kg	3410Kg
Weight 203EL/E	3025Kg	3370Kg	3720Kg	N/A

Bauer Centreliner 9000 –Alternative Pipe Option



PolystarProduct Features

- Pipe lined with High Density Polyethylene liner
- Protection for high ph. & alkaline
- Protection from calcites, chlorides, iron, electrolysis
- Longevity of pipe lifespan.
- Cost Effectiveness over the machine lifespan
- HDPE reduces friction loss
- Enhanced protection from abrasive material
- Stainless rising main
- Sealed stainless outlets
- Available for 168 & 203mm Pipes only.
- Limited to 11.7m Overhang only.



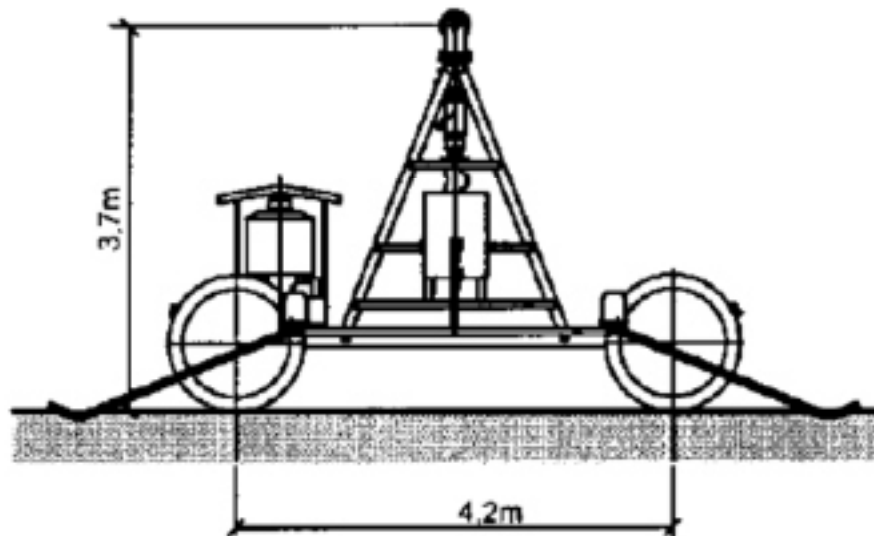
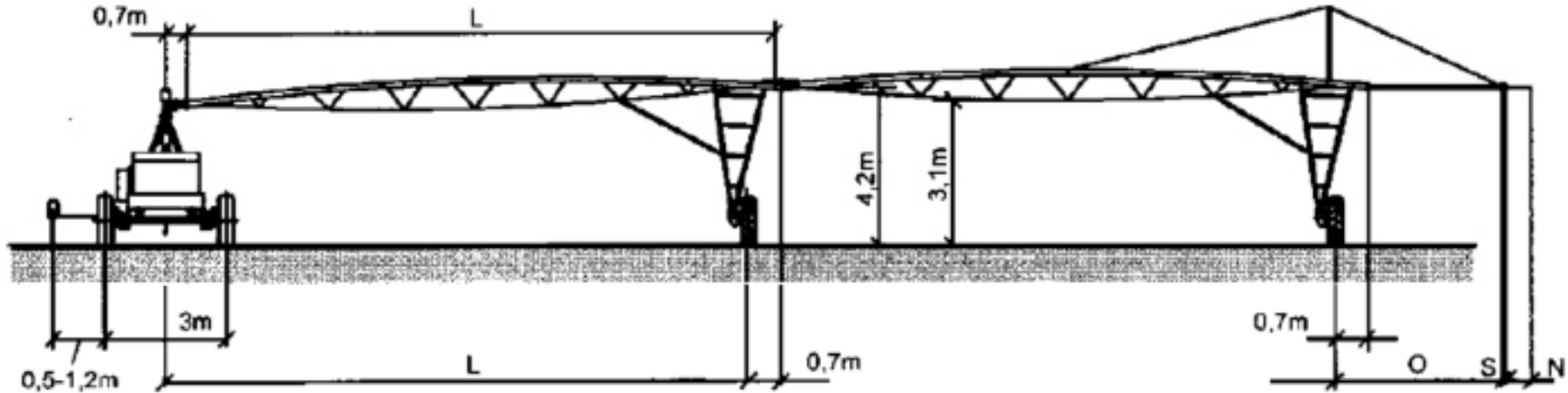
Bauer Centreliner 9000 –Span Specifications

Span Construction:

- Bow string type truss with stabilizers
- Span-length: 42.3, 48.1, 54.0 and 59.8m
- Zinc coating to DIN 50976 standard
- Straight bead welded, with flanges
- Pipe thickness 2.5 –3mm wall thickness
- Main pipes overhang pipes 5,85 m in length
- All bracing suited to all span lengths
- High Tensile 20mm Truss Rods.
- All Bolts are grade 8.8 high tensile
- Standard span clearance of 3.1metres
- High Profile span clearance of 3.9metres



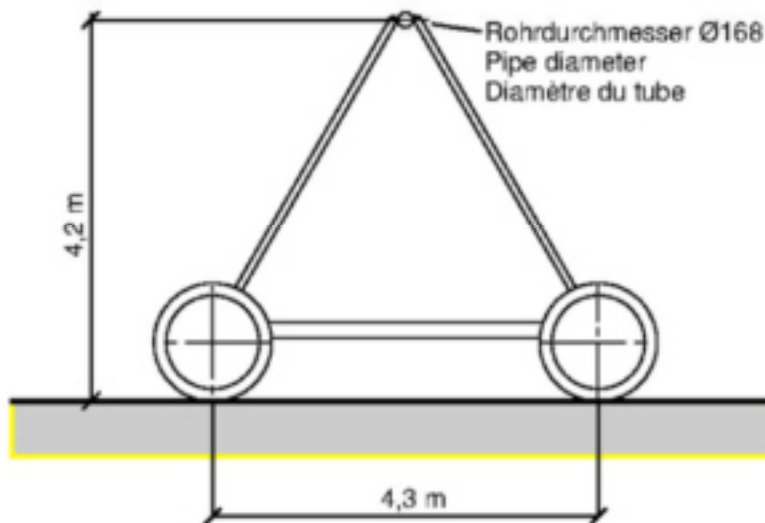
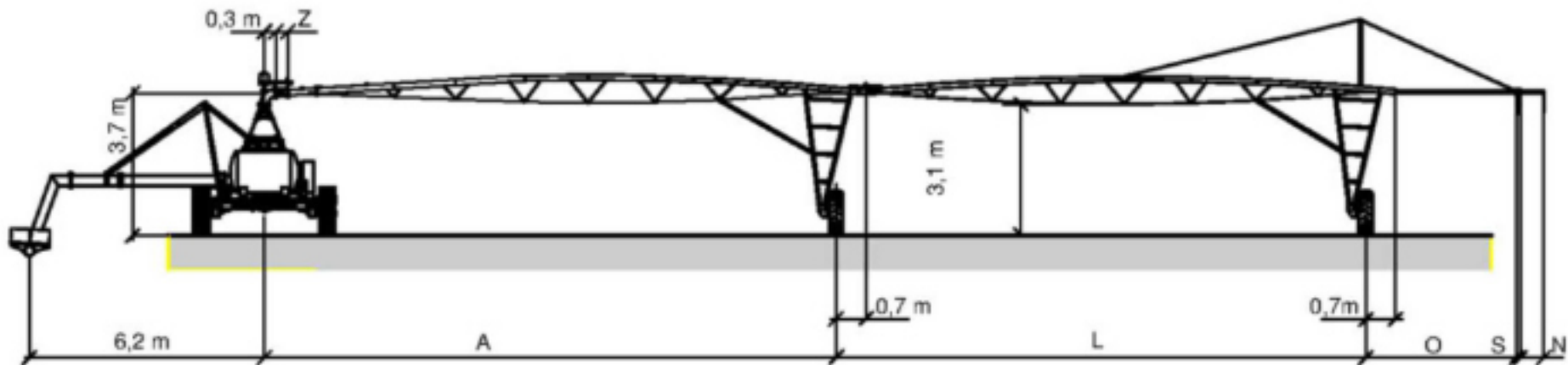
Bauer Centreliner 9000 –Hose Feed



Span		59,8	54,0	48,1	42,3	36,4
Span		59,8	54,0	48,1	42,3	36,4
Länge	L m	59,80	53,95	48,10	42,25	36,40
Length						
Longueur						

Überhang		23,4	17,6	11,7	5,9	0
Overhang		23,4	17,6	11,7	5,9	0
Portée-à-faux		23,4	17,6	11,7	5,9	0
Länge	O m	24,1	18,3	12,4	6,6	0,7
Length						
Longueur						
Sandfang	S m	0,15	0,15	0,15	0,15	0,15
Sand trap						
Dessabieur						
Sprühboomsverlängerung	N m	1,2	1,2	1,2	1,2	1,2
Spray nozzle extension						
Rallonge de buse atomiseur		3,0	3,0	3,0	3,0	3,0

Bauer Centreliner 9000 –Ditch Feed



Span Span Span		59,8	54,0	48,1	42,3
Länge Length Longueur	L m	59,80	53,95	48,10	42,25
Länge Length Longueur	A m	59,53	53,68	47,83	41,98
Zentralturmkupplung Central Tower Coupling Raccord tour centrale	Z m	0,32	0,32	0,32	0,32

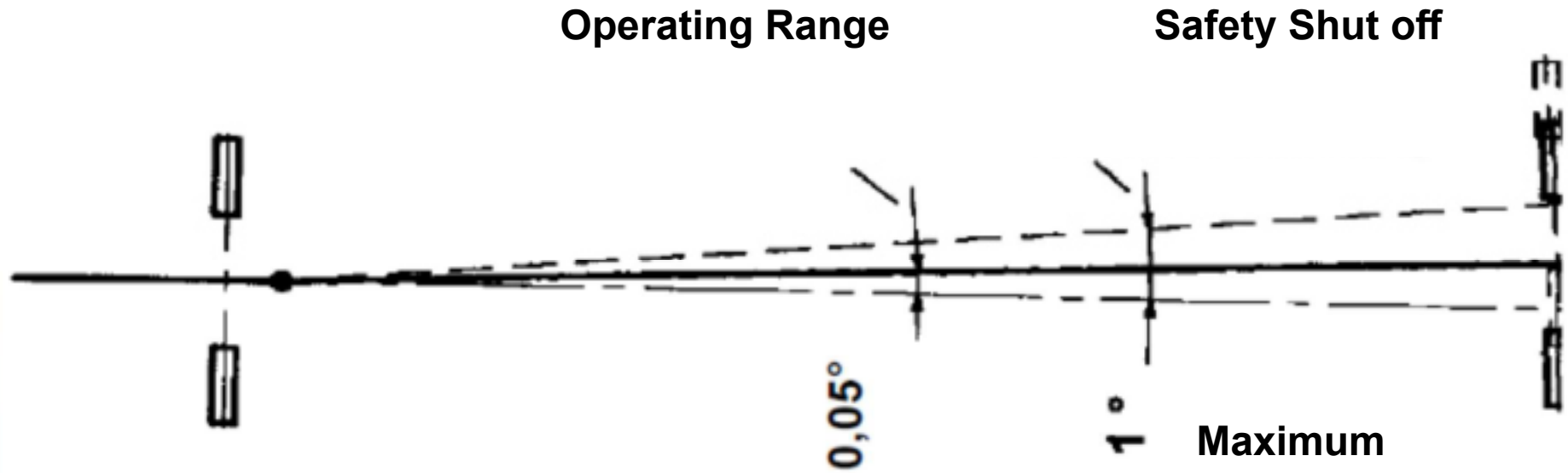
Überhang Overhang Porte-à-faux		23,4	17,6	11,7	5,9	0
Länge Length Longueur	O m	24,1	18,3	12,4	6,6	0,7
Sandfang Sand trap Dessableur	S m	0,15	0,15	0,15	0,15	0,15
Sprühösenverlängerung Spray nozzle extension Rallonge de buse atomiseur	N m	1,2 3,0	1,2 3,0	1,2 3,0	1,2 3,0	1,2 3,0

Bauer Centreliner 9000 – 168/203EL Limitations



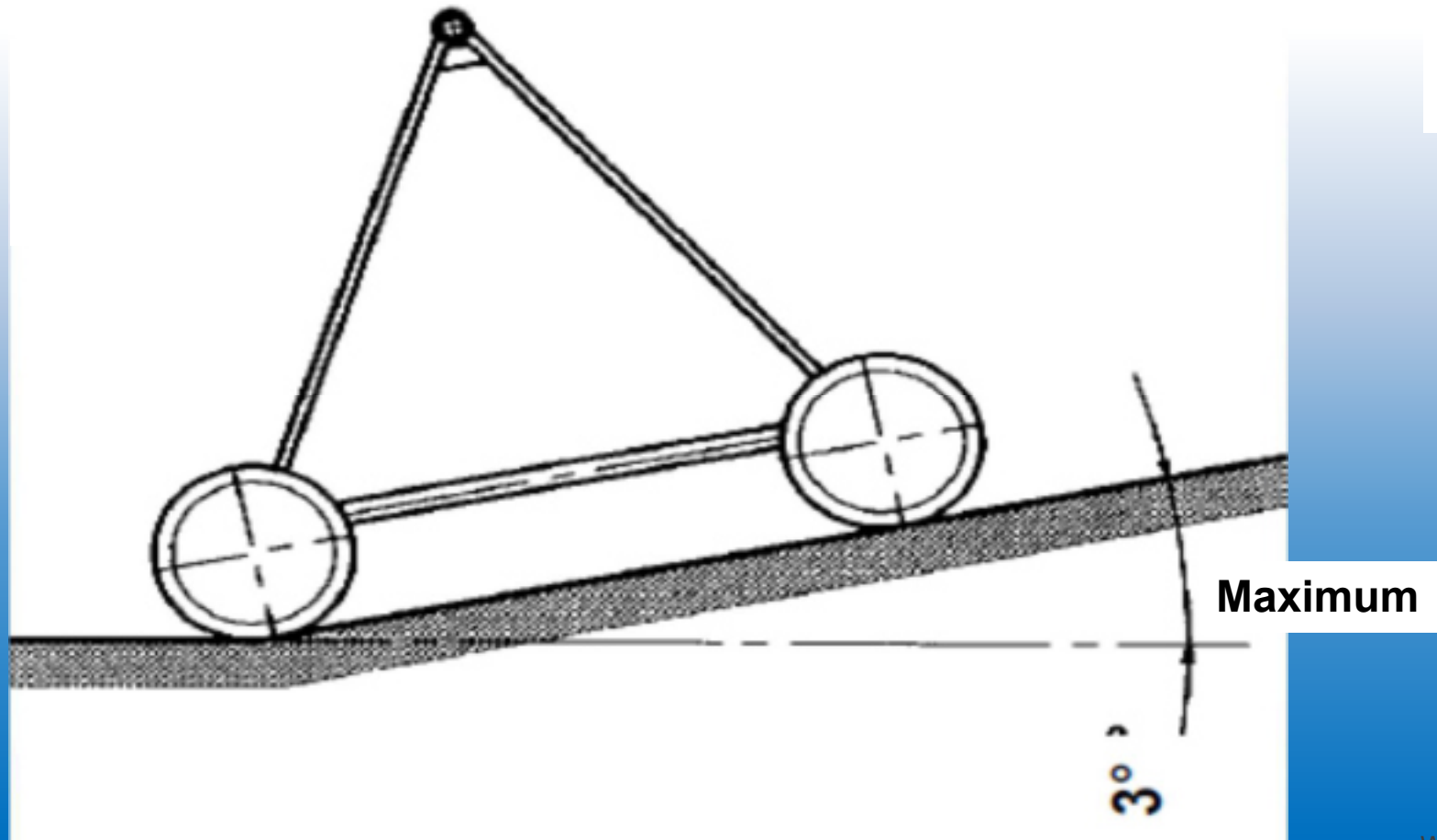
Bauer Centreliner 9000 –168/203EL

Maximum Safety Circuit Angle



Bauer Centreliner 9000 –168/203EL

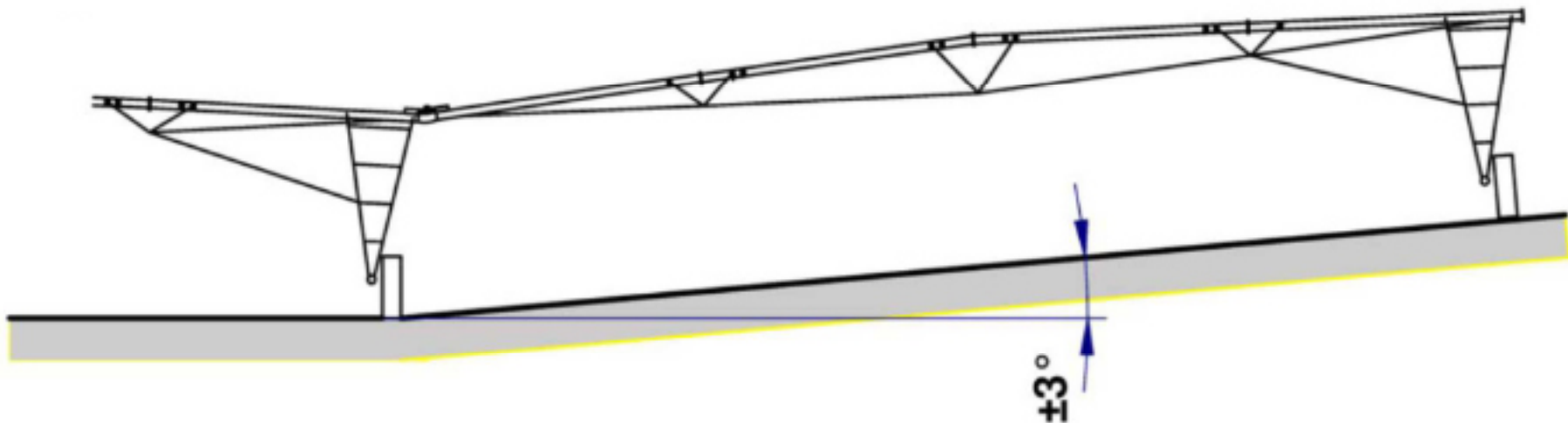
Maximum Inclination



Bauer Centreliner 9000 –168/203EL

Maximum Deflection Angle

For Furrow/Cable/Buried Cable Guidance with sensors on Cart or Drive Tower



Maximum permissible inclination along the span is 3,0°.
Maximum difference in elevation between central tower and the first tower is 1 m!

Bauer Centreliner 9000 –UMC Gearmotors

Drive Motor Specification

- 3/4hp drive motors
- Ratio -40:1 std Drive towers, & 50:1 Drive Cart & End Drive tower
- Able to operate with VSD at 6 –120Hz
- Power saver function
- High/low speed operations
- Vented stainless junction box
- Dual output shafts
- Built in crop guard on drive shafts
- Class "F" insulation
- Aluminium gear case
- Aluminium motor housing with cooling fins
- Helical gears
- 0.55kW, 0.65kW & 1.1kW Rating available



Bauer Centreliner 9000 -Gearboxes

Gearbox Specification

- Heavy Duty UMC 740U Grade gear box
- Brass gear wheel
- Gear Ratios -50:1
- Heavy Duty box 760 on request
- 11 bolt mounting pattern
- External seal protectors on input/output
- Robust input bearings.
- Taper roller bearings
- Top fill, bottom drain
- Input shaft guard.



Bauer Centreliner 9000 –Wheels & Tyres

Specifications

- Galvanised Tractor Rims
- Sizes 14:9 & 16:9
- Traction profile & turf tires available
- Tires supplied with tubes
- No tubeless tires supplied by Bauer
- No re-tread tires supplied by Bauer
- Bauer branded



Bauer 9000 Series—Linear Options

Bauer Irrigation Solutions:

- Rainstar-Hardhose
- Monostar single span Linear
- Linestar 2 & 4 Wheel Cart Options End/Centre/Ditch feed
- Linestartowable
- CentrelinerCLS/CLE/CLX pivoting linear(hose fed)
- Towable & Ditch Feed of all Centreliner models.
- Full/Part Circle Fixed Pivot + with Corner System
- Fixed Grid Sprinklers
- Fixed Gun Irrigation

