“Tractor applications”
Gooseneck + Roll trailer

- Gooseneck + roll trailer
- Counterweight
- Roll trailer lock (internal)
- Secondary roll trailer lock
Safeneck is a Terberg product, it is connected to the tractor lift frame in a dedicated slot in front of the fifth wheel.

A roll trailer is raised and lowered with use of a hydraulic cylinder in the Safeneck, operated from the tractor cabin.

Due to a better load distribution over the tractors front and rear axle can heavy cargo be handled safer on steep ramps.

The tractor fifth wheel stays original and can be used as always with all kinds of trailers.

Available for RT223 / 283 / 323
> Trailer can hydraulic lift and steer.

> Trailer can pick up cassettes by elevating front and rear.

> The RT tractor supplies hydraulic pressure and control functions.

> Optional synchronized lifting is possible
Cassette trailer

- Trailer has automatic steering (limited steering angel)
- Trailer has several manual steering modes
Cassette trailer: Stora Enso paper

- The ‘Stora Box’ is a over-dimensional container for paper transportation
- Dimensions L x W x H: 13,8 x 3,6 x 3,6 (4,3) M
- Weight: 93 ton (load 79 ton)

- The ‘Stora Box’ has supports to be used as cassette
- Optimum tractor is RT382
The ‘Stora Box’ has supports to be used as cassette.

The optional side shift / fixed offset cabin enables the driver to see alongside the 3,6M wide ‘Stora Box’ when reversing.
Swap bodies are cargo containers standing on legs.

The BC182 is a dedicated vehicle to relocate swap bodies on distribution centers.

Swap body is lifted and lowered with hydraulic elevating loading table.

An optional fifth wheel enables the handling of trailers.
Swap bodies are cargo containers standing on legs.

Hydraulic elevating trailer can pick the swap bodies.

Alternative for dedicated vehicle by less frequent usage.

Trailer can be operated with YT182 / 222  RT/TT 223 / 283.
Transport of trolleys with bakery goods

Vehicle is guided with the rear bottom rolls to align with internal logistic system

Vehicle has automated route drive-back system

YT182 carrier
> B-train (B-double): first trailer has a fifth wheel to carry the second trailer
> In the Netherlands known as Ecocombi
> In Australia ADR approved for 80 km/h on public roads
> YT182 / 222
Logistics: Rail -> Road transshipment

- Transferring of a swapbody from a train onto a road vehicle without the use of a lifting device
- Specialty YT222 carrier
- YT222 with special trailer, hydraulics and operation on the tractor
Logistics: Rail -> Road transshipment

> Transferring of trailers
> YT182 / 222
Logistics: Railway train

- RR222 / 282 6x4 tractor with 2-way system
- Rail wheels can be hydraulically lifted to enable quick relocation over road
- Suitable for trains up to 2800 ton
Logistics: Railway train

- RR222 4x2 tractor with 2-way system
- Rail wheels can be hydraulically lifted to enable quick relocation over road
- Ballast can be parked in a stand
- Fifth wheel can be used normally
Multi Trailer System (MTS)

- Short MTS: first trailer on fifth wheel.
- YT222 (4x2), optional heavier driveline, steer angle limitation required
- Max. 3 trailers / 6 TEU
- GCW. 200 ton
Multi Trailer System (MTS)

- Max. 4 trailers / 8 TEU
- GCW. 290 ton
- Tractor still has a fifth wheel and can also handle other trailers
- Long MTS: first trailer with draw bar.
- RT283 (4x4), fixed or removable ballast
Multi Trailer System (MTS)

- Long MTS: first trailer with draw bar.
- RT382 (4x4), fixed or removable ballast

- Max. 5 trailers / 10 TEU
- GCW. 350 ton
Logistics: Bulk product

> Coal is loaded in open top 20’ container for further onwards transportation

> RT282
Logistics: Bulk product

- Transportation of iron ore containers in the port
- B-train (B-double), GCW 150 ton
- YT222
Industrial: Steel

- Slag transportation
- RT282 or RT382

- Straddle has a tilting bunk mounted
- Trailer has hydraulic lifting (wheel bogies)
- Trailer contains the hydraulic tilting cylinders
- Trailer has integrated weighing system
- Straddle is hydraulic locked to trailer during operation
Industrial: Steel

- Scrap metal transportation
- RT282 / 382
- Max. load 170 ton
Slag transportation

Trailer with hydraulic lifting and tipping

RT382
Industrial: Steel

- Slag sand transportation
- Hydraulic tipping trailer
- RT283 / 323 / 382
Industrial: Steel

- Transportation of recycled waste
- TT20 4x2 Container carrier
- Portal arm system
- Max. load 20 ton
Scrap metal transportation
YT1852 8x4 Container carrier
Hook arm system
Max. load 40 ton
Transportation of metal slabs
Gooseneck roll trailer or
Heavy platform trailer
RT382
Max. load 120 ton
Transportation of metal slabs on frames
Heavy hydraulic lifting trailer
RT382
Transportation of steel coils

Heavy platform or cassette trailer

RT283 / 323 / 403
Industrial: Steel

- Transportation sheet metal coils
- Hydraulic platform trailer
- RT282
Transportation stamped sheet metal to press on 2 km long ramp with heavy load

Gooseneck + roll trailer

RT382
Transportation for copper recycling
YT222 6x4 Container carrier
Hook arm system
Max. load 35 ton
Transportation aluminum rolls
Gooseneck + roll trailer
Roll trailer with pneumatic sliding whether roof
RT382
Transportation of alumina
Special bulk carrier
YT220 / 222 6x2
Pulling power for carriers loaded with ships

Ships weigh up to 5000 ton

RT382 with deep ratio axles, ballasted with 43 ton
Transportation of windmill poles
2 internal transport dollies
RT382
> Transportation of windmill poles
> Front lifted with a special gooseneck
> Rear supported by internal transport dolly
> RT382
Transportation of Power Generators

> Cassette trailer

> RT223
- Transportation of windmill generators, hubs, etc.
- Transported on gooseneck / roll trailers
- RT223 / 283
Moving concrete mixers in and out a tunnel under construction

- Mixer is mounted on a drawbar trailer
- 2x RT282: One tractor pushing, the other pulling.
- RT282 has removable ballast
Industrial: Tunnel construction

- Moving concrete mixers in and out a tunnel under construction
- Mixer is mounted on a drawbar trailer
- RT282

- RT282 is ballasted
- RT282 has a large compressed air storage to assure sufficient supply to the trailer, even when empty
- RT222 with loading platform incl. twist locks
- Loading platform can be tilted
- Transports concrete mixers integrated in 20’ container
Industrial: Tunnel construction

- RT222 with loading platform incl. twist locks
- Gooseneck and roll trailer
- Roll trailer can be attached from 2 sides / wheels on both sides can be retracted
RT382 Dumper

> Be able to turn inside a tunnel in 7m width
> Tipping body for 13.4 M³ / 40 ton
> Standard lift frame can be fitted after removal of tipper body = resell value
Transportation of residual waste
YT222 4x2 with tilting container table
Max. load 22 ton
Industrial: Waste recycling

- Transportation of recycled waste
- TT222 4x2 Container carrier
- Hook arm system
- Max. load 24 ton
Industrial: Waste recycling

- Transportation of broken rock and residual waste into dump site
- RT222 6x6 Container carrier
- Hook arm system
- Max. load 33 ton
Transportation of lumber
Heavy logging trailer
YT220
Transportation of High Pressure steam drum as part of dismantling a nuclear power plant

- 8-line Platform trailer
- RT382 with removable ballast
> Towing a large mobile crane (160 ton weight) up ramp
> RT282
Transportation of crane and construction parts

Various trailers (here a 6 axle flatbed trailer)

YT220
Snow removal

> Installation of snow clearing blade on front mounting board
> Control and hydraulics integrated in tractor
> 5th wheel mounted, removable gritter
> RT382
Installation of snow clearing blade on front mounting board

Control and hydraulics integrated in tractor

RT222 / 282
Installation of snow clearing blade without use of front mounting board

Control and hydraulics integrated on the blade, only electrical connection required

YT182 / 222

RT223 / 283 / 323
Snow removal

- Installation of snow clearing blade on front mounting board
- Control and hydraulics integrated in body carrier
- BC182
Airport logistics

- YT180 Cargo Carrier
- Transportation of air freight cargo
- Special roller deck
YT182 Heavy Cargo tractor

Towing carriers with air freight containers

Tractor is ballasted / no lift frame