PERFECTLY INTEGRATED

TEREX® SPREADERS FOR TEREX® SPRINTER AND STRADLLE CARRIERS

WORKS FOR YOU.
Terex Port Solutions (TPS) is a leading supplier of handling solutions for ports, terminals and industry. Many years of experience in development and manufacture of Terex® sprinter and straddle carriers also make us the first port of call for spreaders to go along with them.

Efficient team
Having just the right spreader makes all the difference for your Terex sprinter and straddle carriers. You can benefit from our in-house technology as we can also supply you with an integrated solution for key components. We know our spreaders and vehicles inside-out, the two are simply perfectly matched. The result: an efficient team that, in any condition of harsh continuous use, provides productivity in your container terminal.

Clear concept and reliable design
Terex® spreaders provide high reliability thanks to their clear-cut steelwork with a minimum of welds. They also use durable components. The fact that no lubricants are required makes the equipment extremely eco-friendly. And a good portion of intelligence in the form of integration in the vehicle control via CAN bus and state-of-the-art sensors also enhances dependability.
**Easy servicing**
Our spreaders impress by virtue of their service-friendliness. We achieve this with:
- telescopic arms with maintenance-free slide guides,
- twistlocks in patented cartridge system for quick change,
- maintenance points with easy access.

Because the telescopic arms are equipped with our patented hydraulic clamping rather than a mechanical locking device, damage is limited in the event of collisions.

**Always the right choice**
Whether 20’ or 40’ containers, single-lift or twin-lift.
We have the right spreader for your requirements:
- Terex® N ES 42 F single-lift spreader
- Terex® N TS 62 F twin-lift spreader

**BENEFIT FROM TEREX SPREADERS:**
- RELIABLE: RUGGED STEELWORK AND DURABLE COMPONENTS
- SAFE: LOCKING SYSTEM AND MONITOR
- SERVICE FRIENDLY: EASE OF ACCESS AND MAINTENANCE
- ECO-FRIENDLY: MAINTENANCE-FREE SLIDE GUIDES AND LOW-NOISE OPERATION
- INTELLIGENT: CAN BUS INTEGRATION AND STATE-OF-THE-ART SENSORS
- EFFICIENT: PRECISE MOTIONS THROUGH PROPORTIONAL VALVE TECHNOLOGY
- INNOVATIVE: PATENTED HYDRAULIC TELESCOPIC LOCKING
SIMPLY PRACTICAL

TEREX® N ES 42 F SINGLE-LIFT SPREADER

The Terex® N ES 42 F is a telescopic single-lift spreader with a maximum lifting capacity of 40 t. The spreader is designed for fast and safe handling of 20’ to 40’ containers.

SAFE, INTELLIGENT AND QUIET

The spreader functions are controlled by the integrated CAN bus. As a result, the number of interfaces are reduced, the entire system is simpler, more robust and safe.

Options

For precise and fast handling we use state-of-the-art laser technology with intelligent sensors. This helps the driver to work productively.

The sensors benefit the environment: soft landing and automatic set-down functions mean that the spreaders are quiet. An important criterion, and not only for operators of container terminals near residential areas.

Twistlock system

- Vertically suspended, floating ISO twistlocks, hardened
- Patented twistlock mounting and locking
- Individually activated by hydraulic cylinders
- Easily accessible cartridge system for quick change
- Mechanical locking system and individual, electric locking monitor

PATENTED
**Telescoping**
- Hydraulic cylinders in the protected interior of the base body
- Centric application of force: no lateral forces exerted on the telescope as a result
- Telescopic arms move on dry, maintenance-free sliding pads: eco-friendly, since no lubricant required
- The spreader approaches positions (20', 30' and 40') automatically and is hydraulically clamped (patented solution)

**Side shift**
- By means of two independently adjustable hydraulic cylinders on the yoke beam
- +/- 300 mm lift provides for:
  - parallel transverse shifting to pick up laterally displaced containers
  - +/- 6° rotation to pick up inclining containers

**Assistance systems**
- Are based on distance measurement with laser sensors.
  - Soft landing function
  - Option: auto-positioning (automatic set-down function)
TWICE AS FLEXIBLE

TEREX® N TS 62 F TWIN-LIFT SPREADER

The Terex® N T 62 F is an extremely flexible telescopic twin-lift spreader with a maximum lifting capacity of 60 t. For the twin-lift function, it has two additional twin units enabling it to safely pick up:

- individual 20’ to 40’ containers as well as
- two 20’ containers at the same time.

ON ONE PLATFORM

Our N TS 62 F twin-lift spreader and our N ES 42 F single-lift spreader boast the same design characteristics. This means: you have the choice – and your service team can work efficiently because if you are familiar with one, you know how to work with the other. The result: faster maintenance work and higher availability.
Twin units for twin-lift operation
- Vertically suspended, floating ISO twistlocks, hardened
- Mechanical locking system and individual, electric locking monitor
- Patented cartridge system for quick change
- Individually activated by hydraulic cylinders
- Twin units are raised for single-lift operation by means of hydraulic cylinders

Clear design principle
- Clear and safe arrangement of all hydraulic lines
- Switchbox:
  - is made from stainless steel
  - in easily accessible position

CLEARLY ARRANGED
### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>N ES 42 F</th>
<th>N TS 62 F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total weight without additional equipment [t]</td>
<td>7.3</td>
<td>8.2</td>
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<tr>
<td><strong>Lifting capacity (SWL)</strong></td>
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<tr>
<td>Maximum load [t]</td>
<td>40</td>
<td>50</td>
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<tr>
<td>Special load [t]</td>
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<td>60</td>
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<tr>
<td>Lifting lugs [t]</td>
<td>4 x 10</td>
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<tr>
<td><strong>Telescoping</strong></td>
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<tr>
<td>Positions [ft]</td>
<td>20 / 30 / 40</td>
<td>20 / 30 / 40</td>
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<tr>
<td>Position at twin-lift [ft]</td>
<td>–</td>
<td>2 x 20</td>
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<tr>
<td>20’ to 40’ [s]</td>
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<td>≤20</td>
</tr>
<tr>
<td>40’ to 20’ [s]</td>
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<td>≤20</td>
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<tr>
<td><strong>Locking</strong></td>
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<tr>
<td>Number and type of twistlocks</td>
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<td>8, ISO floating</td>
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<td>Diameter of stylus [mm]</td>
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<td><strong>Side shift</strong></td>
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<tr>
<td>Lift [mm]</td>
<td>+/- 300</td>
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<tr>
<td>Rotation [°]</td>
<td>+/- 6</td>
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<td><strong>Hydraulics</strong></td>
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<td>Operating pressure [bar]</td>
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<td><strong>Electrics</strong></td>
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<td>Control of spreader functions</td>
<td>CAN bus</td>
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<td>Control voltage [V]</td>
<td>24</td>
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20'- / 30'- / 40'- Container

2,259

1,142

2,501

899

579

281

2,786 – 5,853 (20') 2,786 – 5,853 (20')

6,103 / 9,168 / 12,235

20'- / 30'- / 40'- Container

All dimensions in mm
Efficient and reliable team: Terex N SC 644 E straddle carrier and Terex N ES 42 F single-lift spreader
Together with the Terex straddle carrier, the Terex spreader forms an efficient and reliable team. One that, even when faced with the greatest challenges, has less downtime – and thus reduces the work time of your service team.

The robust, durable design of our spreaders with first-class components helps to provide long service intervals. If maintenance work is needed, excellent access to all mechanical, hydraulic and electrical components makes life easy for your technicians.

This means: the spreader is quickly back in operation again – and provides high overall availability.
From ship-to-shore cranes and mobile harbour cranes to reach stackers through to integrated systems for fully automated container handling or professional bulk handling – TPS offers you the right solution from a single source.

With our broad portfolio of products, services and software, sound planning and advisory expertise and a global network, we are your expert for efficient, safe and environmentally aware cargo handling in ports and terminals.

www.terexportssolutions.com

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