

Tractel's horizontal wire rope lifeline system is a low-stretch, semipermanent, single-line system. Suspended between two approved anchorage points, the system provides worker fall protection during horizontal movement. Strong, lightweight and quick to install, the system also helps provide protection from a pendulum fall when used correctly.

Tractel's wire rope horizontal lifeline system holds up better than synthetic over a long period of time, especially when faced with the construction environment and steel erection.

The horizontal system comprises very few parts to increase safety and ease installation. The lifeline tension and adjustment is performed by using a jaw/eye turnbuckle tensioner. The shock-absorbing device included in the system contributes to the reduction of the maximum impact load on the anchorage points, thus minimizing the potential damage to the system. The deployment of the shock-absorbing device is also a visual warning that the system has been subject to a load equivalent to the force of arresting a fall.

Tractel's wire rope lifeline system can be permanently installed indoors.

For further information, refer to the "Use and Maintenance Instructions" for horizontal wire rope lifeline system

**⚠ WARNING**

The anchorage points must be capable of supporting a load of 5,000 lbs. (22.2 kN) without deformation in directions permitted by the system.

**⚠ WARNING**

Regulations state that horizontal lifelines shall be designed, installed and used under the supervision of a qualified person, professional engineer, as part of a complete personal fall arrest system.

**System components**

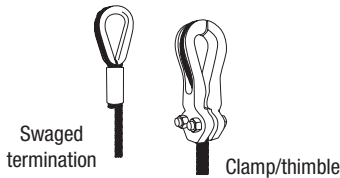
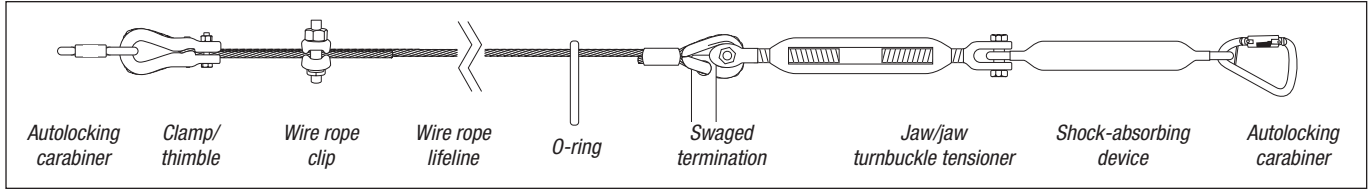
- 3/8 in. (9.5 mm) wire rope lifeline
- Jaw/eye turnbuckle tensioner
- Shock-absorbing device
- Autolocking carabiners (2)
- Forged thimble clamp

**Applications**

- Building installations
- Bridge construction
- Steel erection
- Any other forms of maintenance or construction related activities

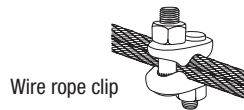
**Available models**

- |        |   |
|--------|---|
| H23001 | 30-ft. (9 m) maximum span horizontal wire rope lifeline system  |
| H26001 | 60-ft. (18 m) maximum span horizontal wire rope lifeline system |



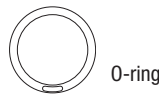
**Wire rope lifeline**

- 3/8-in. (9.5 mm) galvanized steel wire rope
- Minimum breaking strength: 12,800 lbs. (56.9 kN)
- Swaged termination with heavy-duty thimble at turnbuckle end
- Pass-through combination clamp/thimble at shock-absorbing device end



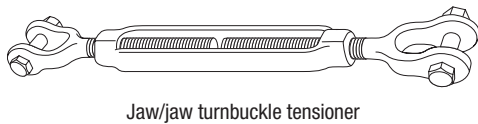
**Wire rope clip – 442906**

- Used to create termination loops within wire rope assemblies
- Designed to apply even pressure for high efficiency rating under recommended torque



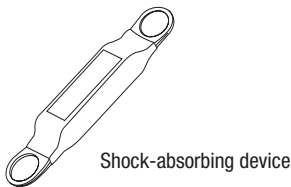
**O-rings – 47700**

- 3/8 in. (80 mm)
- Carbon steel



**Jaw/jaw turnbuckle tensioner – 78JWTKL**

- 9-in. (23 cm) take up adjustment
- Constructed of galvanized steel
- Minimum breaking strength: 7,000 lbs. (31.1 kN)
- 5/8-in. (16 mm) diameter thread



**Shock-absorbing device – H2SA2**

- Force-reduction tear webbing
- 15 x 2 x 2 in. (38 x 5 x 5 cm)
- Minimum breaking strength: 12,750 lbs. (56.7 kN)
- Deployment length: 42 in. (1 m)
- Forged D-rings
- Protective heat-shrink cover

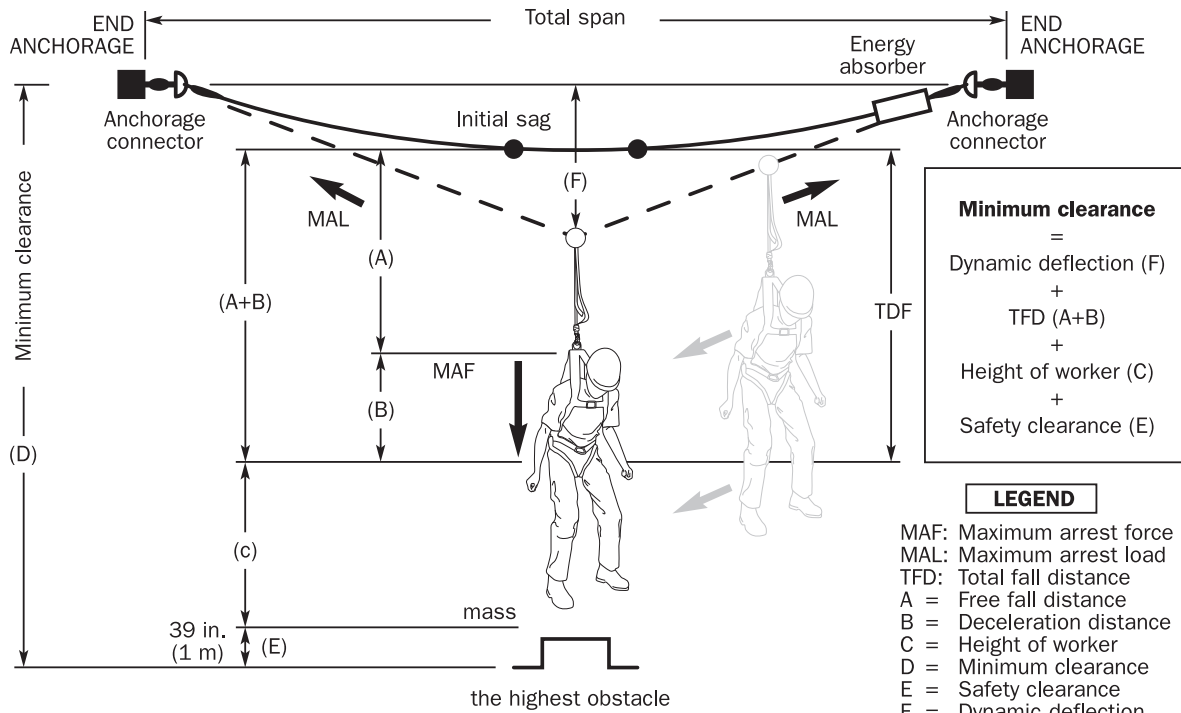


**Autolocking carabiners – P202**

- Heat-treated alloy, zinc-plated steel
- Captive pin
- Minimum breaking strength: 11,000 lbs. (48.9 kN)
- Gate opening: 1 in. (26 mm)
- Weight: 13 oz. (269 g)

**Required personal protective equipment**

- Full-body harness with single, sliding, back D-ring
- Shock-absorbing lanyard with 3/4-in. (19 mm) self-locking snap hook both ends (maximum length: 6 ft. [1.8 m]) or self-retracting device.



System specifications	30-feet	60-feet
<b>Maximum working load</b>	600 lbs. (272 kg) two persons	
<b>Total weight</b>	17 lbs. (7.7 kg)	25 lbs. (11.3 kg)
<b>Maximum allowable length</b>	30 ft. (9 m)	60 ft. (18 m)
<b>Anchorage max. arrest load</b>	2,460 lbs. (10.9 kN)	

Minimum clearance required <i>(Data based on 6-ft. free fall with a 6-ft. shock-absorbing lanyard)</i>	30-feet (9 m)	60-feet (18 m)
<b>one person</b>	20 ft. (6 m)	23 ft. (7 m)
<b>two persons</b>	23 ft. (7 m)	27 ft. (8.2 m)