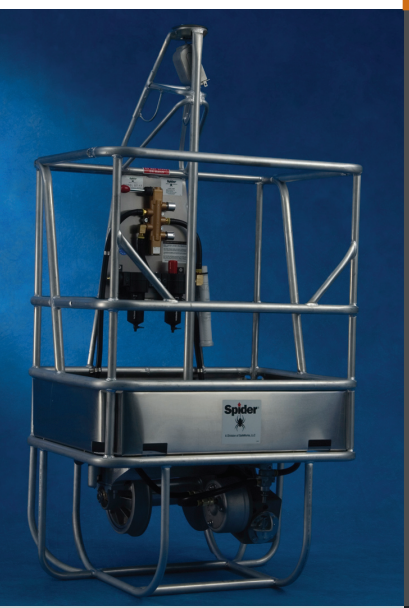
ST-17 Air Spider

The industry standard for work in refineries, tank farms, shipyards, offshore platforms and heavy construction has been redesigned to meet your needs and simplify your ownership experience - lowering your cost of ownership, improving the reliability of the components, and making it easier to service this product right.



Specifications: ST-17

Gross Load Capacity:
1,000 lbs. (453.6 kg)

Dimensions:
37 x 29 x 72 in. (940 x 737 x 1,829 mm)

Weight:
ST-17: 209 lbs. (94.8 kg)
ST-17-1: 210 lbs. (95.3 kg)

Travel Speed:
30 ft/min (9.2 m/min)

Power Requirements:
120 psi air @ 60 cfm

Wire Rope Capacity:
ST-17: 350 ft (106.7 m)
ST-17-1: 1,000 ft (304.8 m)

Wire Rope Size and Construction:
5/16 in. (8 mm) Seale Construction
6x19 or 5x26

Construction:
Aluminum and steel

Key Features: ST-17-x-xxx

Air-powered motor

Reinforced midair transfer point and wear plates at base

Winding drum hoist offers safe, efficient operation in hazardous and corrosive environments

Paint and blast media on wire rope do not impact operation of unit

Reliable vented transmission prohibits entry of corrosive agents for greater durability

Constant pressure versa valve ensures complete, immediate stop on release of operating lever

Built-in breather vent kit

Simpler wire rope changes

Reusable wear parts

Fairlead guide replaces steel wire rope guides

- 2 mating universal pieces extend life 4 times that of prior design
- Wear guide that indicates replacement interval
- Polymer material resists corrosion
- Retrofitable to prior ST-17/19/180 models

More robust and reliable oiler/filter lubricator assy

- Easier mounting
- More robust mounting brackets
- Better visual management
- Improved serviceability from special lubricants that decrease maintenance time for equipment used in harsh industrial environments

Spider has developed 9 new variations of the ST-17

ST-17-3-XXX
Aluminum Cage, Thimble

ST-17-4-XXX
Aluminum Cage, 18 in. Eye Splice

ST-17-5-XXX
Aluminum Cage, Thimble, Arc Guard Kit

ST-17-6-XXX
Aluminum Cage, 18 in. Eye Splice, Arc Guard Kit

ST-17-7-XXX
SST Cage, Thimble

ST-17-8-XXX
SST Cage, 18 in. Eye Splice

ST-17-9-XXX
SST Cage, Thimble, Arc Guard Kit

ST-17-10-XXX
SST Cage, 18 in. Eye Splice, Arc Guard Kit

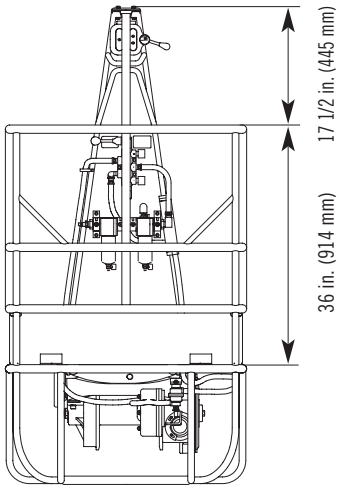
'SST' refers to stainless steel frame and fasteners

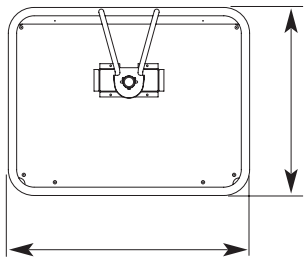
'XXX' indicates the wire rope length which ranges from 50 ft (15.2 m) to 350 ft (91.4 m) in 50 ft (15.2 m) increments. Call Spider for details.

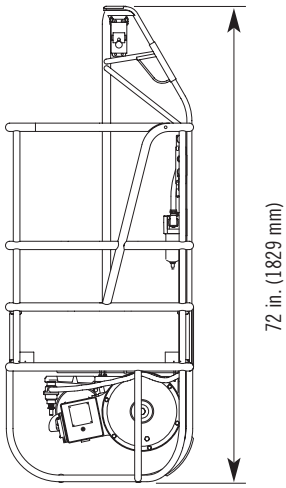
ST-17CE

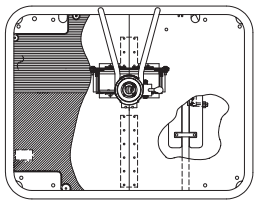
The reliable industrial basket has been modified to meet the European CE standard so it can be used for overseas work.

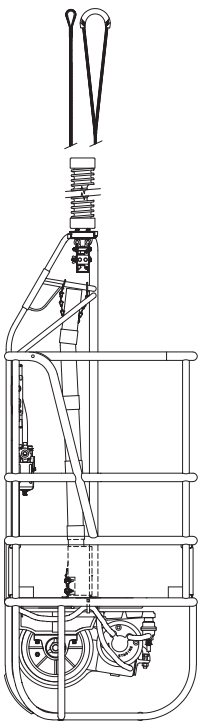
This is a special order product. Call Spider for details.

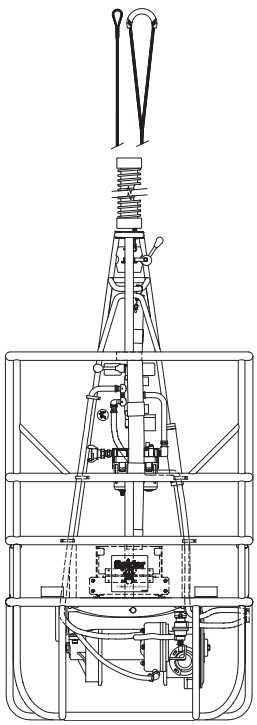


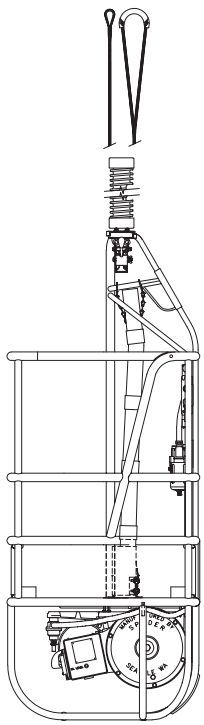












Frequently used accessories:

- SA-1002 Transfer Chain
- SA-1083 Drum Hoist Arc Guard Kit
- SA-1051 Flydeck
- 702049-1 Whip

Also available: 702049-1 36 in. (914 mm) whip

Take the Spider Test!

Protect your interests by educating yourself before you buy. Ask your supplier to verify their product's quality compared to the Spider ST-17.

ST-17 Key Features	ST-17 Benefits	Competitive equipment may offer:	Required by Law
UL Listing	• Assures design and manufacturing integrity • Reduces user liability of non-certified equipment • Use complies with OSHA regulations • UL File #SA-5062 originated, owned and maintained by Spider - verify it at www.UL.com	No UL listing	OSHA 1910.28(i)(1) & (g)(3); Hoists must be tested and listed by nationally recognized testing laboratory
Overspeed brake in drum	• Stops travel within 12 in. (305 mm) when descent beyond rated speed is sensed • Brake also engages during changes in momentum	No overspeed brake in drum	OSHA 1926(i)(4) requires primary brake and emergency brake which engages automatically when normal descent speed is exceeded
Full OSHA/ANSI compliance	• Meets or exceeds the applicable OSHA and ANSI standards for suspended scaffolds	Does not meet OSHA/ANSI	Yes
Inspection port in transmission	• Permits visual inspection of gears for wear without disassembling the transmission	No inspection port in transmission	No. Maintenance per manufacturer's recommendation is required
Solid aluminum bar stock tripod and aluminum chain guards	• Adds strength for mid-air transfers • Eliminates galvanic corrosion of the tripod, increasing the life of the hoist in corrosive environments	Hollow tubing used for tripod and steel (dissimilar material) used for chain guards	No
New original qualified parts	• Ensures smooth operation and increases durability	Parts are remanufactured in hoists marketed as new	No. In many jurisdictions, Uniform Commercial Code prohibits sale of remanufactured products as new
Bracing design on back side of unit allows easy access	• Unencumbered access between mid rail and top rail makes wire rope installation easier	Bracing on back side same as front side - makes access difficult	Yes. Employers are required to provide a safe work place
Engineered guide ring saves time	• Less wear on wire rope reduces cost • Engineered polymer guide disc has built-in wear gauge to identify replacement interval • Reversible design doubles assembly life • Large opening eliminates disassembly during wire rope replacement	Guide ring assembly only includes one steel guide ring, which increases wear	No
Barbed fittings	• More secure, durable and safer form of hose termination • Eliminates cutting hazard and untimely disconnects	Hose clamps	No. Some refineries and other facility owners prohibit the use of hose clamps
Industry Leading Manufacturer	• Product backed by one of the strongest product liability insurance coverages in the industry • Certificate of General Liability Coverage provided within 24 hours of request • Spider introduced the drum hoist to the industry in 1946 and has operated continuously for over sixty years • Responsive to customer requests with product design updates, as released in 2002 and 2008	Check before you buy	No. Relying on uninsured or under-insured vendors increases risk and can affect your insurance rates

All Hoists Are Not REcreated Equally

Don't be fooled. There are a lot of imitators out there but only one Spider. Many have attempted to replicate our ST-17 work basket, but copy cats don't come close to the original. Protect your interests by educating yourself before you buy or rent. Here are a few things that make Spider's ST-17 the one and only… Don't settle for anything less than the original Spider ST-17 work basket.

Spider invests in UL® and CUL Certification for your Safety

Spider designs, engineers, builds and tests its hoists in accordance with the Underwriters Laboratories UL1323 standard for hoists as required by OSHA under OSHA 1910.28(i)(1) &(g)(3) and 1926.451(d)(13). Employers are required under OSHA to use hoists tested by both a Nationally Recognized Testing Laboratory and a Qualified Testing Laboratory, depending on which code section applies. Underwriters Laboratory (UL®) is one of three Nationally Recognized Testing Laboratories accredited to test to the UL1323 standard.

Spider makes the choice to list our hoists with UL® because it provides Spider equipment users equipment that is safer than products listed by other labs. This gives Spider customers peace of mind. UL® interprets the UL1323 test standard with the intent from which this code was written and rigorously applies the UL1323 code to its initial performance testing protocol and its ongoing certification program.

Not all manufacturers invest in UL® listing. Our hoists are UL® listed. To verify the listing status, see that SafeWorks earned its UL Classification and continues to maintain this listing in file TUFV.SA5062 at www.UL.com.

Examiners employed by Underwriters Laboratories regularly inspect our hoists during production in our factories to verify consistent sustained production of the products as designed and originally tested and listed. This drives a safer, more reliable product for our users.

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Photos are illustrative only. For operating instructions, consult the Owner's Manual.

Fact: The Spider ST-17 is THE invention that started the powered access industry in the 1940s, forever changing the way work at high elevations is accessed.

Fact: Production of the ST-17 has been steady since the 1940s, deeming the production of this hoist the longest running in the industry.

Fact: Only Spider's drum hoists are UL® listed.

Fact: Spider's 24 North American operation centers are the only locations where hoists are repaired using a 116 point checklist and genuine OEM (original equipment manufacturer) parts by factory-trained qualified technicians working under expert supervision.

Fact: Spider utilizes a coordinate measuring machine that verifies production standards for the close tolerance mechanical components of our hoists, so you can be certain every part has met exacting specifications. UL® employees personally inspect our production regularly to assure compliance to the tested product UL® listed for safety and reliability. See why UL® matters in the box to the left.

Fact: Several ST-17s that were produced over fifty years ago, including our serial number TA-0112 built in 1950, are still in our rental fleet today. That's how we define reliability.

Fact: Over the past sixty years, Spider has continuously updated, improved and modified the ST-17 model to improve ease of use and serviceability, to meet current regulation requirements and to satisfy customer needs.

Fact: Spider's ST-17 and the work our factory-trained certified technicians perform are backed by the strongest liability insurance in the industry, $21 million in coverage by A+15 rated AIG.