

## Adapter Sheaves for Tugger® and Super Tugger®



- Attach directly to conduit for fast, easy setup to panel with exposed conduit.
- Use in conjunction with flexible adapter sheave and T-boom for concealed wall panels.
- Has various sheave positions to accommodate different setups.
- Leaf type mounting chains won't twist when tightening.
- Pull extra cable for makeup.
- Select a sheave with a maximum rated capacity that meets or exceeds the sheave puller's maximum pulling force.

Cat. No.	UPC No.	Description
649	15323	Adapter Sheave for use with 640 Tugger® cable puller
6049	29826	Adapter Sheave for use with 6001 Super Tugger® cable puller

Description	649 / 15323 Cat./UPC No.	6049 / 29826 Cat./UPC No.
Sheave Pin	25161	29824
Sheave Pin Clip (2)	50302	50302
Sheave	15358	29616
Vise Chain Unit includes	30142 following 2 items	29825 following 3 items
Vise Chain	27831	27831
Vise Chain Handle	29630	29630
Vise Chain Positioner	—	29638

### SPECIFICATIONS

#### Maximum Rated Capacity:

649 - 4,000 lbs. (17.7 kN)  
6049 - 6,500 lbs. (28.9 kN)

#### Weight:

649 - 58 lbs. (27 kg)  
6049 - 69 lbs. (32 kg)

## Hook-Type Sheaves for Easy Tugger™ and Tugger®



- Strong, welded steel frames.
- Forged steel closure type hooks with 1" (25.4 mm) opening.
- 5" (127 mm) wide aluminum alloy sheaves with self-lubricating bearings.
- Select a sheave with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

Cat. No.	UPC No.	Description
650	15324	6" (152.4 mm) dia. Hook Sheave with 1-1/2" (38.1 mm) minimum radius
651	15325	12" (304.8 mm) dia. Hook Sheave with 3-5/16" (84.1 mm) minimum radius
652	15326	18" (457.2 mm) dia. Hook Sheave with 7" (177.8 mm) minimum radius
653	15327	24" (609.6 mm) dia. Hook Sheave with 9-13/16" (249.2 mm) minimum radius

Sheave Diameter Description	650 / 15324 Cat./UPC No.	651 / 15325 Cat./UPC No.	652 / 15326 Cat./UPC No.	653 / 15327 Cat./UPC No.
Sheave Pin	16797	16797	16797	16797
Sheave Pin Clip (2)	50302	50302	50302	50302
Sheave	15362	15358	15363	15364
Sheave Bushing (2)	16798	16798	16798	16798
Yoke Frame	16799	16801	16801	16802

### SPECIFICATIONS

#### Maximum Rated Capacity:

650 - 4,000 lbs. (17.8 kN)  
651 - 6,500 lbs. (28.9 kN)  
652 - 25 lbs. (11.3 kg)  
653 - 35 lbs. (15.9 kg)

**Tugger™ Cable Puller: 4000 lb. rated**

Optional Force Gauge

- An economical puller with enough power for most jobs.
- Lighter weight for easier mounting in tough applications.
- Leaf type mounting chains won't twist when tightening.
- Unique floor mounting attachment for quick reliable setup.
- Right angle sheave allows the operator to stand out of the direct line of force.
- Audio alarm high force warning and circuit breaker shut off at maximum force for equipment protection and added safety.
- Tapered capstan and patented rope guidance system for better control of rope.
- Patented.

Cat. No.	UPC No.	Description
640	35300	Tugger® Cable Puller Power Unit. Includes vise chains.
640-22	35763	Same as 640 except 220 VAC 50 Hz.
642	29844	Tugger® Puller Package. Includes 640 Tugger® cable puller power unit, pipe adapter sheave, floor mount, 9/16" x 300' (14.3 mm x 91 m) double-braided polyester rope, rope reel stand and steel storage box.
676	36242	Tugger® Puller Package without rope. Includes 640 Tugger® cable puller power unit, pipe adapter sheave, flexible pipe adapter, mobile extension boom, 2", 2-1/2", 3", 3-1/2", 4" extension bushings, floor mount and steel storage box with casters.
686	17163	Tugger® Puller Package. Complete. Includes 640 Tugger® cable puller power unit, pipe adapter sheave, flexible pipe adapter, 12" hook type cable sheave, mobile extension boom, 2", 2-1/2", 3", 3-1/2", 4" extension bushings, 9/16" x 300' (14.3 mm x 91 m) double-braided polyester rope, rope reel stand, floor mount, and steel storage box with casters.
686-22	23832	Same as 686 except 220 VAC 50 Hz.
37171	37171	Force Gauge for 120 VAC 640 cable puller.
35766	35766	Force Gauge for 220 VAC cable puller.
35283	35283	Double-Braided Composite Rope 9/16" x 300' (14.3 mm x 91 m)
35284	35284	Double-Braided Composite Rope 9/16" x 600' (14.3 mm x 182 m)
35285	35285	Double-Braided Composite Rope 9/16" x 1,200' (14.3 mm x 365 m)
445	24821	Foot Switch
35336	35336	640 Capstan Retrofit Kit includes rope ramp, pivotal arm and tapered capstan. For units with NZ serial prefixes.

**SPECIFICATIONS****Dimensions:**

Length - 21" (533 mm),  
Width - 21" (533 mm),  
Height - 12" (305 mm)

**Pulling Force:**

Maximum - 4,000 lbs. (17.9 kN)  
Continuous - 2,500 lbs. (11.1 kN)

**Weight:** 640, 640-22 - 82 lbs. (38 kg)  
676 - 373 lbs. (170 kg)  
642 - 330 lbs. (150 kg)  
686, 686-22 - 427 lbs. (194 kg)

**Pulling Speed - Feet (Meters) Per Minute**

No Load - 35 (10.67),  
At 2000 lbs. (8.8 kN) - 16 (4.87)  
At 4000 lbs. (17.9 kN) - 6 (1.83)

**Power**

1 HP (746 W) - 120 VAC,  
1 HP (746 W) - 220 VAC 50Hz

**Rope - Average Breaking Strength or More:**

9/16" (14.3 mm) Double-Braided Composite: Rated at 16,000 lbs. (71.1 kN)

## Super Tugger® Cable Puller: 6500 lb. (28.9 kN) rated



Cat. No.	UPC No.	Description
6001	29627	Super Tugger® Cable Puller Power Unit. Includes force gauge and vise chains.
6001-22	31466	Same as 6001 except 220 VAC 50 Hz.
6000	29909	Super Tugger® Complete Puller Package. Includes 6001 Super Tugger® cable puller power unit, pipe adapter sheave, flexible pipe adapter, 12" hook type cable sheave, mobile extension boom, 2", 2-1/2", 3", 3-1/2", 4" extension bushings, 3/4" x 300' (19.1 mm x 91 m) double-braided polyester rope, rope reel stand, floor mount, and steel storage box with casters.
6000-22	31467	Same as 6000 except 220 VAC 50 Hz.
6003	36241	Super Tugger® Complete Puller Package. Includes 6001 Super Tugger® cable puller power unit, pipe adapter sheave, flexible pipe adapter, mobile extension boom, 2", 2-1/2", 3", 3-1/2", 4" extension bushings, floor mount and steel storage box with casters.
6006	30435	Super Tugger® Complete Puller Package. Includes 6001 Super Tugger® cable puller power unit, pipe adapter sheave, flexible pipe adapter, 12" hook type cable sheave, mobile extension boom, 2", 2-1/2", 3", 3-1/2", 4" extension bushings, 3/4" x 600' (19.1 mm x 182 m) double-braided polyester rope, rope reel stand, floor mount, and steel storage box with casters.
6006-22	33344	Same as 6006 except 220 VAC 50 Hz.
35098	35098	Double-Braided Composite Rope 3/4" x 300' (19.1 mm x 91 m)
35100	35100	Double-Braided Composite Rope 3/4" x 600' (19.1 mm x 182 m)
35101	35101	Double-Braided Composite Rope 3/4" x 1,200' (19.1 mm x 365 m)
34136	34136	Double-Braided Composite Rope 7/8" x 300' (22.2 mm x 91 m)
34137	34137	Double-Braided Composite Rope 7/8" x 600' (22.2 mm x 182 m)
34138	34138	Double-Braided Composite Rope 7/8" x 1,200' (22.2 mm x 365 m)
445	24821	Foot Switch
35346	35346	6001 Capstan Retrofit Kit includes rope ramp, pivotal arm and tapered capstan. For units with VB and VT serial prefixes.

## SPECIFICATIONS

## Pulling Force:

Maximum: 6,500 lbs. (28.9 kN)  
Continuous: 4,500 lbs. (20 kN)

## Dimensions:

Length: 20-3/4" (527 mm)  
Width: 22-1/2" (572 mm)  
Height: 12" (305 mm)

## Weight:

6001, 6001-22: 108 lbs. (49 kg)  
6003: 454 lbs. (206 kg)  
6000, 6000-22: 550 lbs. (250 kg)  
6006, 6006-22: 612 lbs. (278 kg)

## Pulling Speed - Feet (Meters) Per Minute:

No Load: 16.5 (5)  
At 2000 lbs.: (8.8 kN) - 11 (3.4)  
At 4000 lbs.: (17.9 kN) - 7.5 (2.3)  
At 6000 lbs. (26.7 kN) - 6 (1.8)

## Power:

1-1/2 HP (1.1 kW): 120 VAC  
1-1/2 HP (1.1 kW): 220 VAC 50Hz

## Rope - Average Breaking Strength or More:

3/4" (19.1 mm) Double-Braided Composite -  
Rated at 26,000 lbs. (115.6 kN)

- Pull up to 6,500 lbs. (28.9 kN) with less than 27 lbs. (120 N) of operator effort.
- Unique floor mounting attachment for quick, reliable setup.
- Leaf type mounting chains won't twist when tightening.
- Heat treated steel serrated gripper feet for secure mounting to conduit.
- Force Gauge included to constantly monitor the pull.
- Right angle sheave allows the operator to stand out of the direct line of force.
- Audio alarm high force warning and circuit breaker shut off at maximum force for added safety.
- Tapered capstan and patented rope guidance system for better control of the rope when feeding onto the capstan.
- Patented.

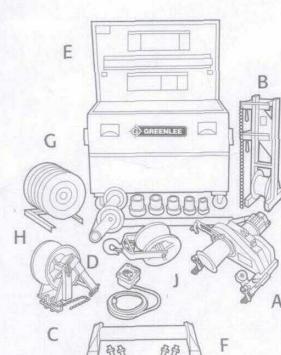
Key	Cat./UPC No.	Description	6001/29627	6000/29909	6003/36241	6006/30435	6001-22/31466
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## 6001 CABLE PULLER PARTS

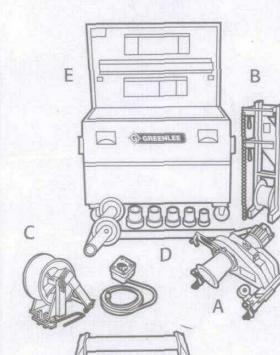
29631	Vise Chain Unit includes one each of the following five items below (Two complete Vise Chain sets are required)						
35661	(1) Vise Chain	1					1
29630	(2) Vise Chain Handle	1					1
53965	(3) Vise Chain Retaining Screw	1					1
35657	(4) Washer	1					1
35660	(5) Chain Positioner	1					1
37179	120 VAC Force Gauge	1					
35638	220 VAC Force Gauge						1

## CABLE PULLING COMPONENTS

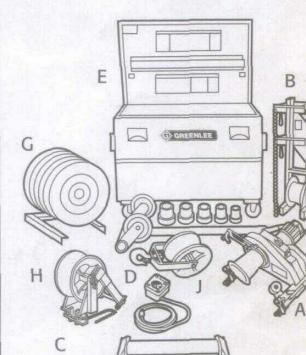
A	6001/29627	Cable Puller	1	1	1		
B	6049/29826	Pipe Adapter Sheave	1	1	1		
C	6085/29912	Flexible Pipe Adapter	1	1	1		
D	6080/29964	Mobile T-Boom	1	1	1		
D	16782	2" Extension Bushing	1	1	1		
D	16783	2-1/2" Extension Bushing	1	1	1		
D	16784	3" Extension Bushing	1	1	1		
D	16785	3-1/2" Extension Bushing	1	1	1		
D	16786	4" Extension Bushing	1	1	1		
E	3048/23362	Storage Box	1	1	1		
	695/30239	Casters	1	1	1		
F	6037/35605	Cable Puller Floor Mount	1	1	1		
G	35098	3/4" x 300' (19.1 mm x 91 m) Double-Braided Composite Rope					
G	35100	3/4" x 600' (19.1 mm x 182 m) Double-Braided Composite Rope					1
H	644/15316	Rope Stand		1			
H	654/34362	Rope Stand				1	
J	8012/00872	12" (304.8 mm) Hook Sheave	1		1		



6000 Super Tugger® Cable Pulling System



6003 Super Tugger® Cable Pulling System



6006 Super Tugger® Cable Pulling System