

The Emergency Towing Anchor System TS0620 provides the components for emergency anchoring in water depths of up to 180 feet. This system is designed for maximum flexibility and thus contains materials that may not be required for any one specific towing application. The Emergency Towing Anchor System consists of an anchor, anchor chain, crown buoy, detachable links, shackles, securing line, and wire ropes. During transit and towing operation, the anchor and chain are secured at the rail or stern sheets of the towed vessel using 1-inch double braid line. The bitter end of the wire rope is secured to a fixed point (bitts, pad eye, or other attachment point) on the deck of the towed vessel; the remaining length of the wire rope is flaked out on deck to allow the anchor assembly to pay out during deployment. Quarter-inch double braid line is used as a quick release "break away" link for the anchor and chain. During deployment of the anchor, the 1-inch securing line is removed and the crown buoy is deployed. The 1/4-inch line is then cut, as necessary, to allow the anchor and chain to be deployed.

**ESSM - AN2140
ANCHOR, NAVMOOR-6**



NAVMOOR-6 Anchor AN2140

The NAVMOOR-6 Anchor AN2140 is a high efficiency anchor used with the Four-Point Mooring System and the Beach Gear System. The NAVMOOR-6 is designed for high stress applications normally seen in salvage operations.

AH

Specifications

Type	Description	Qty
Manufacturer	Commercial	
Type	NAVMOOR-6 (U.S. Navy Design)	
Weight (nominal)	6000 lb	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	13 ft, 5 in	13 ft, 5 in	
Width	6 ft, 6 in	17 ft, 10 in	
Height	4 ft, 0 in	4 ft, 0 in	
Cube	349 cu ft	958 cu ft	

EMERGENCY TOWING ANCHOR SYSTEM

System - TS0620

Physical Characteristics

Type	Descriptions		
Footprint	88 sq ft	240 sq ft	
Weight	8190 lb	8190 lb	

References

Ref No	Reference
1	NAVMOOR-6 Salvage Anchor, 7,200 lbs. (Wt), General Assembly, Customer Metal Fabrication, Inc., Dwg. D-1269

**ESSM - BU0003
BUOY, CROWN, 29" DIAMETER**



29 Diameter Crown Buoy BU0003

The Crown Buoy BU0003 is a 29-inch diameter, steel, spherical buoy used to mark the location of the anchor and its retrieving wire rope.

Specifications		
Type	Description	Qty
Manufacturer	Commercial	
Material	Steel	
Diameter	29"	
Buoyancy (net)	325 lb	

Physical Characteristics			
Type	Descriptions		
	Shipping	Operating	
Diameter	29 in	29 in	
Cube	1 cu ft	1 cu ft	
Weight	150 lb	150 lb	

References	
Ref No	Reference
1	None

**ESSM - CH2121
CHAIN, DI-LOK, 2 1/2" X 90'**



2 1/2-Inch Di-Lok Chain CH2121

The 2 1/2-Inch Di-Lok Chain CH2121 is a standard shot of anchor chain. It may be used for mooring, towing, and other applications that require a strong yet flexible attachment between two points.

Specifications		
Type	Description	Qty
Manufacturer	Baldt Corporation	
Model	Type I	
Size	2-1/2 in	
Proof strength	492,000 lb	
Breaking strength	744,000 lb	

Physical Characteristics			
Type	Descriptions		
	Shipping		
Length	5 ft, 2 in		
Width	3 ft, 0 in		
Height	3 ft, 5 in		
Cube	53 cu ft		
Footprint	16 sq ft		

EMERGENCY TOWING ANCHOR SYSTEM

System - TS0620

Physical Characteristics

Type	Descriptions		
Weight	5528 lb		

References

Ref No	Reference
1	Baldt Catalog #30 for Anchors and Chain

ESSM - LK0181
LINK, DETACHABLE, PEAR-SHAPED, 2 1/16"-2 3/8"



Pear-Shaped Detachable Link LK0181

The Pear-Shaped Detachable Link LK0181 is used to connect 2 1/4-inch chain to an anchor.

Specifications

Type	Description	Qty
Manufacturer	Baldt Corporation	
Part number	82021-06010	
Size	2-1/16" x 2-3/8"	
Proof strength	447,000 lb	
Breaking strength	675,000 lb	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	1 ft, 6 in	1 ft, 6 in	
Width	1 ft, 1 in	1 ft, 1 in	
Height	0 ft, 4 in	0 ft, 4 in	
Cube	1 cu ft	1 cu ft	
Footprint	2 sq ft	2 sq ft	
Weight	107 lb	107 lbs	

References

Ref No	Reference
1	Baldt Catalog #30 for Anchors and Chain

ESSM - LK0183
LINK, DETACHABLE, PEAR-SHAPED, 1 5/8"-2"

The Pear-Shaped Detachable Link LK0183 is used to connect anchor chain to a closed socket on 1 5/8-inch wire rope.

Physical Characteristics			
Type	Descriptions		
	Shipping	Operating	
Length	1 ft, 3 in	1 ft, 3 in	
Width	0 ft, 11 in	0 ft, 11 in	
Height	0 ft, 3 in	0 ft, 3 in	
Cube	1 cu ft	1 cu ft	
Footprint	2 sq ft	2 sq ft	
Weight	60 lb	60 lbs	

References	
Ref No	Reference
1	Baldt Catalog #30 for Anchors and Chain

ESSM - TB0030
ANCILLARY SET, EMERGENCY TOWING ANCHOR SYSTEM



Emergency Towing Anchor System Ancillary Set TB0030

The Emergency Towing Anchor System Ancillary Set TB0030 contains the materials required to configure one Emergency Towing System for onboard standby operation and deployment of the anchor from the towed vessel during an emergency. The Ancillary Set contains a crown buoy, wire ropes, detachable links, shackles, and double braid line. The container is equipped with forklift slots and lifting eyes to facilitate handling.

Specifications		
Type	Description	Qty
Manufacturer	ESSM Facility	
Model	TB0030	
The set contains the following major items:		
Wire mesh basket, 62" x 36" x 41":		1
Buoy, Crown, 29" dia	BU0003	1
Wire Rope, 1" x 100' w/ Soft Eye Each End	WR0180	1
Wire Rope, 7/8" x 100' w/ Soft Eye Each End	WR0175	1
Link, Detachable, Pear-Shaped, 2 1/16" - 2 3/8"	LK0181M	1

EMERGENCY TOWING ANCHOR SYSTEM

System - TS0620

Specifications

Type	Description	Qty
Link, Detachable, Pear-Shaped, 1 5/8" - 2"	LK0183M	1
Shackle, Bolt-Type, 1 3/8", 24-Ton		3
Shackle, Bolt-Type, 2 1/2", 85-Ton, Gr B, Tow.		1
Line, 3-strand polypro, 1", 5,900 lb SWL (500')		1
Line, 3-strand polypro, 1/4", 368 lb SWL (500')		1
Inventory, laminated		1

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	5 ft, 2 in		
Width	3 ft, 0 in		
Height	3 ft, 5 in		
Cube	53 cu ft		
Footprint	16 sq ft		
Weight	1358 lb		

References

Ref No	Reference
1	None

**ESSM - WR0150
WIRE ROPE, 1 5/8" X 300'**



1 5/8" x 300' Wire Rope WR0150

The 1 5/8-Inch Wire Rope WR0150 is used in situations that require a high strength, flexible connection for towing, mooring and other applications. Each length of wire rope has a spelter socket on each end; one closed, the other open. The wire rope is stored on a steel reel.

Specifications		
Type	Description	Qty
Manufacturer	Commercial	
Length	300'	
Diameter	1 5/8"	
Construction	6x19 or 7x37 wire rope	
Core type	Independent wire rope core or fiber core	
Material	Improved plow steel	
End fittings	Open socket one end, closed socket one end	
Wire coating	Galvanized wire	
Breaking strength	230,000 lb	
Safe working load	115,000 lb	

Physical Characteristics		
Type	Descriptions	
	Shipping	

Physical Characteristics

Type	Descriptions		
Diameter	4 ft, 0 in		
Height	3 ft, 9 in		
Cube	60 cu ft		
Footprint	16 sq ft		
Weight	2328 lb		

References

Ref No	Reference
1	None

ESSM - WR0175
WIRE ROPE, 7/8" X 100' W/SOFT EYE EACH END



7/8-Inch x 100-Foot Wire Rope WR0175

The 7/8-Inch x 100-Foot Wire Rope WR0175 is a 100-foot wire rope with a soft eye on each end. The wire rope is used to mark the position of the anchor in water depths of up to 80 feet. In addition, it is used to recover the anchor by lifting it at the crown buoy attachment point on the anchor.

Specifications		
Type	Description	Qty
Manufacturer	Commercial	
Length	100'	
Diameter	7/8"	
Working Load Limit	15,200 lbs	
Construction	6x37 wire rope	
Core type	Independent wire rope core or fiber core	
Material	Improved plow steel	
End fittings	Soft eye each end	

Physical Characteristics			
Type	Descriptions		
	Shipping		
Diameter	2 ft, 6 in		
Height	2 ft, 4 in		

Physical Characteristics

Type	Descriptions		
Weight	245 lb		

References

Ref No	Reference
1	RR-W-410, Federal Specification, Wire Rope and Strand

**ESSM - WR0180
WIRE ROPE, 1" X 100' W/SOFT EYE EACH END**



1-Inch x 100-Foot Wire Rope WR0180

The 1-Inch x 100-Foot Wire Rope WR0180 is a 100-foot wire rope with a soft eye on each end. The wire rope, when used in conjunction with WR0175, is used to mark the position of the anchor in water depths of up to 180 feet. In addition, it is used to recover the anchor by lifting it at the crown buoy attachment point on the anchor.

Specifications		
Type	Description	Qty
Manufacturer	Commercial	
Length	100'	
Diameter	1"	
Working Load Limit	19,600 lbs	
Construction	6x19 or 6x37 wire rope	
Core type	Independent wire rope core or fiber core	
Material	Improved plow steel	
End fittings	Soft eye each end	

Physical Characteristics			
Type	Descriptions		
	Shipping		
Length	3 ft, 6 in		
Height	0 ft, 6 in		

Physical Characteristics

Type	Descriptions		
Weight	125 lb		

References

Ref No	Reference
1	RR-W-410, Federal Specification, Wire Rope and Strand