

Rigging Products Specifications

P7000RIG01L0112

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Definitions

Sleeves are fittings used to form eyes or loop terminations at the end of a piece of wire rope. They are designed to contain two parts of wire rope at the base of the eye or loop to hold the eye or loop in place.

Duplex refers to swage sleeves intended for use with double-back, fold back, returned loops, or turn back eyes formed by laying the wire rope on itself to form a loop.

Single refers to swage sleeves intended for use with rolled, Farmers, or Flemish eyes formed by unlaying the strands of wire rope, crossing the strands and relaying the strands around themselves to form a loop.

Ferrules are fittings used to form a holding point on a piece of wire rope. Ferrules are also called stops, buttons, knobs, or end fittings. Ferrules are designed to fit one part of wire rope and may be applied with zinc, with wedges, or by swaging.

Sockets are bail, clevis, or pin eye terminals attached at the end of a single part of wire rope. Sockets are designed to fit one part of wire rope and may be applied with socketing media or by swaging.

All ratings refer to short tons of 2000 pounds unless otherwise noted.

Working Load Limit is the maximum force a new or as new product is authorized to support in service when the pull is uniformly applied in line with the centerline of the product.

Proof Load is the average force applied when performing a proof test (the average force to which a product may be subjected before deformation occurs). Proof Load is usually twice the working load limit.

Ultimate Load is the average force at which the product fails and no longer supports the load.

Shock Load is a force that results from a rapid application of a load (such as impacting or jerking). Shock loads add significantly to the force a product is subjected to and should be avoided.

Design Factor describes the relative reserve capacity of a load carrying component. It is usually expressed as the ratio of the **Ultimate Load** to the **Working Load**, i.e. 5 to 1 or 5:1.

ESCO Rigging products are designed to be used with and tested with **Wire Rope** conforming to the following description; new 6 x 19 or 6 x 37 Class, EIP, IWRC, Right Regular Lay, Wire Rope made to US specifications.

Abbreviations

OC - Open Channel Die

Taper - Taper Die

Forged - Forged Socket Die

FE Midget - Front Entry Midget Pocket Die

ST Midget - Straight Thru Side Entry Pocket Die

ST Dwarf - Straight Thru Side Entry Pocket Die

FE Bantam - Front Entry Bantam Pocket Die

ST Bantam - Straight Thru Side Entry Pocket Die

SE Light - Side Entry Light Pocket Die

SE Junior - Side Entry Junior Pocket Die

Warnings

Signal Words

Throughout this manual are statements preceded by a special attention symbol: “!”. The symbol is used with the following signal words to attract your attention to information of special priority. Read the paragraphs carefully and make sure you understand their significance, especially the possible causes of injury.

⚠ WARNING: *A statement preceded by “WARNING” is information that should be acted upon to prevent serious injury.*

Additional signal words that are not preceded by the attention symbol are:

IMPORTANT: *A statement preceded by the word “IMPORTANT” is information that possesses special significance.*

Tip: *This is information that is handy to know and may make your job easier.*

Understanding All Warnings

⚠ WARNING: *Failure to follow warnings and instructions may result in serious injury or death. Make sure purchasers and end users of ESCO Rigging products read and understand all warnings, cautions, and instructions.*

All ESCO Rigging products are sold with the express understanding that the purchaser is thoroughly familiar with the correct application and safe use of the product. Responsibility for the use and application of the products rests with the user.

Any product will fail if it is abused, misapplied, worn out, or improperly maintained. Failure can cause loads to swing or fall out of control, and may result in personal injury or death, as well as property damage.

Never exceed the Working Load Limit for the product. The Working Load Limit (WLL) is the maximum load which should ever be applied to the product. Catalog WLL ratings are based on usual environmental conditions.

When recommended wire rope sizes are shown in this catalog, ESCO hardware is rated for use only with those sizes. Do not exceed the Working Load Limit specified by the rope manufacturer for that type and size wire rope.

Extreme environmental conditions of heat, cold, and/or corrosion, or high risk applications may necessitate a reduction of the WLL.

Avoid shock loads. Avoid jerking, impacting, swinging or handling loads in such a manner that the WLL of the rigging can be exceeded.

Avoid irregular loading. No rigging fitting should be loaded principally in bending, torsion, or shear. Avoid these conditions by loading only in the normal, straight-line pull for which the fitting is designed. Avoid side loading.

Inspect products regularly.

No rigging product will last indefinitely. Corrosion, wear, deformation, gouges, misuse, abuse, alteration, and other conditions will occur and will reduce the Working Load Limit and service life of a product.

Perform periodic inspection to determine when to replace a product and avoid a rigging hazard. Inspection frequency depends on users' specific applications and local conditions. When in doubt, inspect prior to use.

If a part is judged defective, destroy the part – do not just discard it!

Never permit anyone under a lifted load. Conduct all lifting operations in such a manner that if an equipment failure should occur, no person will be injured.

Keep out from under a load and keep out of a load's line of force.

Do not weld or modify fittings. ESCO swage fittings are designed to be mechanically attached to the wire rope using ESCO Swage Dies and Procedures. Do not weld or otherwise modify ESCO swage fittings. See ESCO Swaging Instruction Manual I/RIG-500.

Proper training is important. Riggers should be properly trained in the design and use of rigging assemblies.

Follow the Manual. Follow **ESCO Swage Instruction Manual I/RIG-500** for proper rope selection, die selection and swaging techniques when using ESCO swage fittings. The manual contains detailed instructions for swaging all ESCO wire rope fittings with illustrations and captions on how to assemble and swage each type of fitting. The manual also offers tips on making Flemish eyes, and information on swagers and die selection. Don't swage without it.

Minimum rope length between splices, sleeves, or fittings. Use adequate rope lengths between terminations. Performance is adversely affected when there are less than 10 rope diameters or about 1½ rope lays of length between splices, sleeves, or fittings. If shorter assemblies are used, testing should be done to ensure adequate performance.

Swage fitting performance. ESCO swage fittings are designed to perform satisfactorily when new and when they are applied to the proper size new wire rope using the procedures described in the ESCO Swaging Instructions Manual.

Wear and normal use will reduce the Working Load Limit of any assembly. If you have any doubts about a new or used assembly, appropriate inspection and testing should be conducted to ensure adequate performance.

Do not use ferrules for suspending loads. Ferrules are not intended for use in applications where loads are fully suspended overhead except in some log harvesting systems where adequate precautions are taken.

Other fittings, such as sleeves and sockets, should be used for overhead work.

Use drumline ferrules only in winchline-drum applications. Drumline ferrules are intended only for use in holding the winchline in the winch drum pocket.

Drumline ferrules must not be used as choker ferrules or for any other purpose than intended.

When using drumline ferrules, at least 3 windings of the winchline must remain on the winch drum to avoid direct strain on the drumline ferrules.

ESCO distributors are granted permission and encouraged to quote or reproduce these warnings for the purpose of passing them onto the purchasers and users of our products.

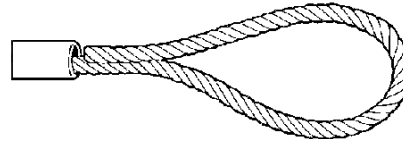
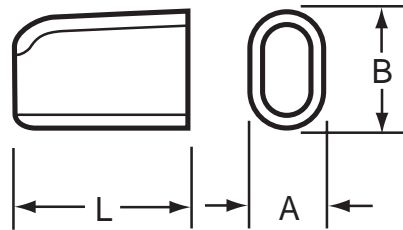
Magnetic Permeability – The magnetic permeability of ESCO 40SS alloy is in the range of 1.2 – 3.° yn/A2. The range being due to the change from unswaged to the swaged condition.

ESCO 40SS alloy is a cast equivalent to a AISI304.

IMPORTANT: *ESCO cast stainless steel products have an industrial grade finish. External surfaces may discolor in use due to exposure to steel and iron residue in processing. If cast stainless steel fittings are to be used in architectural or decorative applications, additional surface preparation is necessary to prevent discoloration.*

▲ WARNING: *When performing the work described in these instructions, always work safely and use proper safety equipment to help avoid injury. Always wear hard hat, gloves, safety shoes, eye protection, hearing protection and fall protection per regional, national and site requirements (e.g. OSHA, MSHA) when performing maintenance work. To avoid injury to others, keep bystanders well out of the way.*

Stainless Steel Swage Sleeves



One-piece Sleeves for Duplex Eyes

Part Number	Rope Size	Wt. Each	Before Swage Length (L)	After Swage Length	Dia.	Die Descrip.	Box Qty.
4005970	1/8"	0.03	7/16"	1/2"	0.26	1/8" OC	100
4005961	3/16"	0.03	1/2"	9/16"	0.38	3/16" OC	100
5128245	1/4"	0.04	1	1-1/8"	0.53	1/4" OC	100
5103273	5/16"	0.18	1-19/32"	1-9/16"	0.76	3/8" OC	100
5103270	3/8"	0.14	1-23/32"	1-7/8"	0.76	3/8" OC	100
5103262	7/16"	0.35	2-1/32"	1-15/16"	1.01	1/2" OC	100
5103261	1/2"	0.31	2 "	2-1/4"	1.01	1/2" OC	100
5103272	9/16"	0.6	2-1/4"	2-1/2"	1.27	5/8" OC	50
5103269	5/8"	0.6	2-23/32"	2-5/8"	1.27	5/8" OC	50
5103271	3/4"	1	3"	3-3/8"	1.53	3/4" OC	25
5103263	7/8"	1.5	3-3/4"	4-13/64"	1.76	7/8" OC	25
5103268	1"	2	3-3/4"	4-1/4"	2.13	1" OC	25

Swage in ESCO open channel dies.

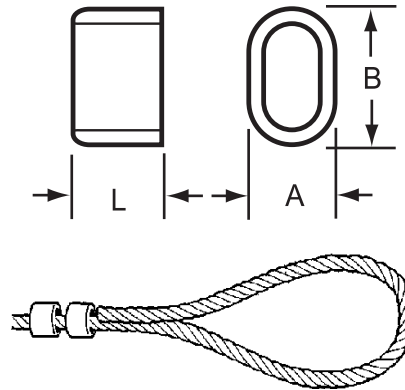
▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Stainless Steel Swage Sleeves



Two-piece Sleeves for Duplex Eyes (**sold each, NOT in pairs**)

Part Number	Rope Size	Wt. Each	Before Swage Length (L)	After Swage Length	Dia.	Die Descrip.	Box Qty.
5108922	1/2"	0.2	1-1/16"	1-1/8"	1.01	1/2" OC	100
5108923	9/16"	0.3	1-1/4"	1-7/16"	1.27	5/8" OC	100
5103275	5/8"	0.3	1-1/16"	1-3/16"	1.27	5/8" OC	100
5108652	3/4"	0.5	1-3/16"	1-7/16"	1.53	3/4" OC	100
5103274	7/8"	0.7	1-3/8"	1-5/8"	1.76	7/8" OC	50
5103264	1"	1	1-9/16"	1-13/16"	2.04	1" OC	50
5103265	1-1/8"	1.5	1-7/8"	2-1/8"	2.26	1-1/8" OC	30
5104997	1-1/4"	2	2-1/8"	2-1/2"	2.51	1-1/4" OC	20
5105001	1-3/8"	2	2-1/8"	2-1/2"	2.51	1-1/4" OC	20
5104996	1-1/2"	2	2-1/4"	2-5/8"	2.70	1-1/2" OC	20
5105002	1-5/8"	3	2-3/8"	2-3/4"	3.08	1-3/4" OC	*
5105000	1-3/4"	3.3	2-1/2"	2-7/8"	3.08	1-3/4" OC	*
5105003	2"	4.3	2-7/8"	3-1/4"	3.52	2" OC	*
5105005	2-1/4"	6.5	3-1/8"	3-5/8"	4.02	2-1/4" OC	*
5105004	2-1/2"	7.5	3-1/8"	3-5/8"	4.39	2-1/2" OC	*

Swage in ESCO open channel dies.

Two sleeves required per eye.

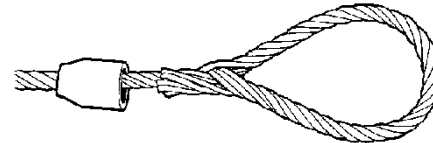
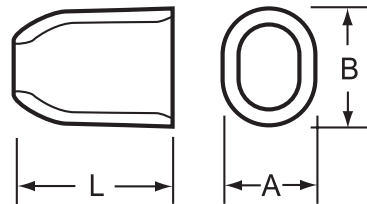
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▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Stainless Steel Swage Sleeves



Single Sleeves for Flemish Eyes

Part Number	Rope Size	Wt. Each	Before Swage Length (L)	After Swage Length	Dia.	Die Descrip.	Box Qty.
5103281	5/16"	0.2	1-5/8"	1-15/16"	0.76	3/8" OC	100
5103280	3/8"	0.2	1-7/8"	2-1/4"	0.76	3/8" OC	100
5103260	7/16"	0.3	1-7/8"	2-1/16"	1.01	1/2" OC	100
5103259	1/2"	0.3	2-1/8"	2-5/16"	1.01	1/2" OC	100
5103248	5/8"	0.8	2-3/8"	2-9/16"	1.27	5/8" OC	50
5103247	3/4"	1	2-3/4"	3"	1.53	3/4" OC	50
5103249	7/8"	1.5	3-1/4"	3-3/4"	1.76	7/8" OC	25
5103250	1"	2.2	3-7/8"	4-1/2"	2.04	1" OC	20
5103266	1-1/8"	2.8	3-3/4"	4-3/8"	2.26	1-1/8" OC	15
5103290	1-1/4"	2.5	3-7/8"	4-5/8"	2.26	1-1/8" OC	15
5104994	1-3/8"	3.5	4-1/8"	4-7/8"	2.51	1-1/4" OC	*
5104992	1-1/2"	3.8	4-7/16"	5-1/4"	2.70	1-1/2" OC	*
5104993	1-3/4"	7	5-1/4"	6-1/8"	3.08	1-3/4" OC	*
5104995	2"	8	6"	6-5/8"	3.52	2" OC	*

Swage in ESCO open channel dies.

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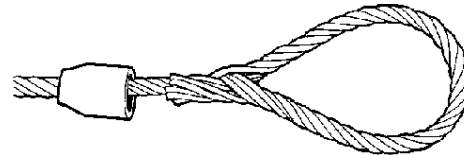
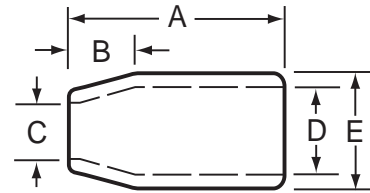
MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Plain Carbon Steel Sleeves for Flemish Eyes



AWRF Code E



Single Sleeves for Flemish Eyes

Part Number	Rope Size	Wt. Each	A	B	Before Swage C	D	E	After Swage Dia.	Die Descrip.	Box Qty.
4058006	1/4"	0.05	1"	1/4"	3/8"	7/16"	11/16"	0.57	1/4" Taper	100
4058007	5/16"	0.17	1-1/2"	7/16"	7/16"	5/8"	15/16"	0.77	3/8" Taper	100
4058008	3/8"	0.14	1-1/2"	7/16"	1/2"	11/16"	15/16"	0.77	3/8" Taper	100
4058009	7/16"	0.32	2"	5/8"	9/16"	7/8"	1-1/4"	1.02	1/2" Taper	100
4058010	1/2"	0.24	2"	5/8"	5/8"	7/8"	1-1/4"	1.02	1/2" Taper	100
4058011	9/16"	0.42	2-3/4"	11/16"	11/16"	1"	1-1/2"	1.23	5/8" Taper	50
4058012	5/8"	0.5	2-3/4"	11/16"	3/4"	1-1/8"	1-1/2"	1.23	5/8" Taper	50
4017630	3/4"	0.9	3-3/16"	13/16"	15/16"	1-5/16"	1-3/4"	1.45	3/4" Taper	50
4015387	7/8"	1.4	3-9/16"	15/16"	1-1/16"	1-1/2"	2"	1.70	7/8" Taper	25
4015388	1"	2	4"	1-1/4"	1-1/8"	1-3/4"	2-5/16"	1.89	1" OC/1" Taper	20
4015389	1-1/8"	2.6	4-5/8"	1-5/16"	1-1/4"	1-15/16"	2-1/2"	2.10	1-1/8" OC/1-1/8" Taper	10
4015390	1-1/4"	3.4	5-1/4"	1-3/8"	1-7/16"	1-3/16"	2-13/16"	2.30	1-1/4" OC/1-1/4" Taper	10
4015391	1-3/8"	4	5-7/8"	1-9/16"	1-1/2"	2-3/8"	3"	2.52	1-1/2" OC/1-3/8" Taper	*
4015392	1-1/2"	5.2	6-5/16"	1-3/4"	1-11/16"	2-5/8"	3-1/4"	2.67	1-1/2" OC/1-1/2" Taper	*
4015393	1-3/4"	8.1	7-1/4"	1-15/16"	2"	3-1/8"	3-7/8"	3.08	2" OC/1-3/4" Taper	*
4015394	2"	11.25	8-1/2"	2-1/4"	2-3/16"	3-5/8"	4-3/8"	3.52	2-1/4" OC/2" OC	*
4015395	2-1/2"	23.5	10-1/2"	2-3/4"	2-7/8"	4-1/2"	5-1/2"	4.46	1st Stage OC/2nd Stage OC	*

Swage in ESCO tapering dies.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

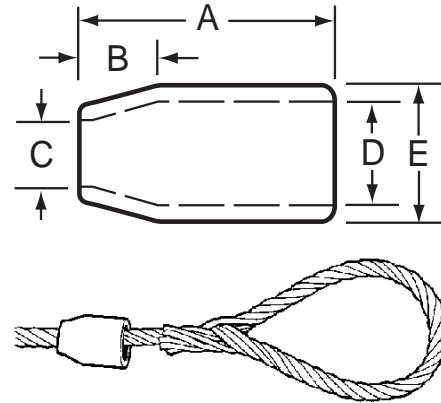
MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Zinc Chromate Coated Steel Sleeves for Flemish Eyes



AWRF Code E



Single Sleeves for Flemish Eyes

Part Number	Rope Size	Wt. Each	A	B	Before Swage C	D	E	After Swage Dia.	Die Descrip.	Box Qty.
4134034	1/4"	0.05	1"	1/4"	3/8"	7/16"	11/16"	0.57	1/4" Taper	100
4134035	5/16"	0.17	1-1/2"	7/16"	7/16"	5/8"	15/16"	0.77	3/8" Taper	100
4134036	3/8"	0.14	1-1/2"	7/16"	1/2"	11/16"	15/16"	0.77	3/8" Taper	100
4134037	7/16"	0.32	2"	5/8"	9/16"	7/8"	1-1/4"	1.02	1/2" Taper	100
4134038	1/2"	0.24	2"	5/8"	5/8"	7/8"	1-1/4"	1.02	1/2" Taper	100
4134039	9/16"	0.42	2-3/4"	11/16"	11/16"	1"	1-1/2"	1.23	5/8" Taper	50
4134040	5/8"	0.5	2-3/4"	11/16"	3/4"	1-1/8"	1-1/2"	1.23	5/8" Taper	50
4134041	3/4"	0.9	3-3/16"	13/16"	15/16"	1-5/16"	1-3/4"	1.45	3/4" Taper	50
4134042	7/8"	1.4	3-9/16"	15/16"	1-1/16"	1-1/2"	2"	1.70	7/8" Taper	25
4134043	1"	2	4"	1-1/4"	1-1/8"	1-3/4"	2-5/16"	1.89	1" OC/1" Taper	20
4134044	1-1/8"	2.6	4-5/8"	1-5/16"	1-1/4"	1-15/16"	2-1/2"	2.10	1-1/8" OC/1-1/8" Taper	10
4134045	1-1/4"	3.4	5-1/4"	1-3/8"	1-7/16"	1-3/16"	2-13/16"	2.30	1-1/4" OC/1-1/4" Taper	10
4134046	1-3/8"	4	5-7/8"	1-9/16"	1-1/2"	2-3/8"	3"	2.52	1-1/2" OC/1-3/8" Taper	*
4134047	1-1/2"	5.2	6-5/16"	1-3/4"	1-11/16"	2-5/8"	3-1/4"	2.67	1-1/2" OC/1-1/2" Taper	*
4134048	1-3/4"	8.1	7-1/4"	1-15/16"	2"	3-1/8"	3-7/8"	3.08	2" OC/1-3/4" Taper	*
4134049	2"	11.25	8-1/2"	2-1/4"	2-3/16"	3-5/8"	4-3/8"	3.52	2-1/4" OC/2" OC	*
4134050	2-1/2"	23.5	10-1/2"	2-3/4"	2-7/8"	4-1/2"	5-1/2"	4.46	1st Stage OC/2nd Stage OC	*

Swage in ESCO tapering dies.

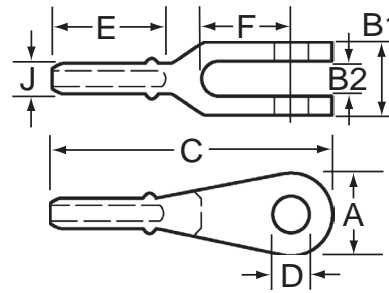
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▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Holerite® Stainless Steel Cast Swage Sockets



Open Sockets

Part Number	Rope Size	Wt. Each	Pin Wt.	Pin Dia.	A	B1	B2	Overall Length C	Pin Hole D	E*	F	Die Descrip.
4002382	5/16"	1.7	0.50	13/16"	1-11/16"	1-5/8"	13/16"	6"	7/8"	2	1-3/4"	3/8" OC
4181353	3/8"	1.7	0.50	13/16"	1-11/16"	1-5/8"	13/16"	6"	7/8"	2	1-3/4"	3/8" OC
4181354	7/16"	3	0.75	1"	2"	2"	1"	7-5/16"	1-1/16"	3	2"	1/2" OC
4179732	1/2"	3	0.75	1"	2"	2"	1"	7-5/16"	1-1/16"	3	2"	1/2" OC
4002388	9/16"	5	1	1-3/16"	2-1/2"	2-3/8"	1-1/4"	8-7/8"	1-1/4"	3-5/8"	2-1/4"	5/8" OC
4002391	5/8"	5	1	1-3/16"	2-1/2"	2-3/8"	1-1/4"	8-7/8"	1-1/4"	3-5/8"	2-1/4"	5/8" OC
4002393	3/4"	9	1.50	1-3/8"	3"	2-3/4"	1-7/16"	10-3/8"	1-7/16"	4-1/8"	2-3/4"	3/4" OC
4002395	7/8"	11.5	2.50	1-5/8"	3-1/2"	3-1/4"	1-3/4"	12-1/2"	1-11/16"	5-1/2"	3-1/4"	3/4" OC
4002397	1"	19	4.50	2"	4"	3-3/4"	2"	14-1/4"	2-1/16"	6-1/2"	3-3/4"	7/8" OC
4002400	1-1/8"	24	6	2-1/4"	4-1/2"	4-1/4"	2-1/4"	17-7/8"	2-5/16"	9"	4-1/4"	1" OC

*E - Minimum rope insertion length.
Swage in ESCO Open Channel Dies.

Note: "Before" and "After" swage dimensions (J) are identical to the dimensions shown in the Closed Socket chart shown on page 13.

Swage Socket Pins

SS Open Socket Pins

Part Number Cotter/Pin	Rope Size	Wt. Each
4002381-4010572	5/16"-3/8"	0.5
4057865-4010573	7/16"-1/2"	0.8
4002389-4010574	9/16"-5/8"	1
4002389-4010575	3/4"	1.5
4056618-4010576	7/8"	2.5
4056618-4010577	1"	4.5
4002398-4010578	1-1/8"	5

IMPORTANT: ESCO cast stainless steel products are cast from a proprietary alloy— 40SS (equivalent to AISI 304).

ESCO cast stainless steel products have an industrial grade finish. External surfaces may discolor in use due to exposure to steel and iron residue in processing. If cast stainless steel fittings are to be used in architectural or decorative applications, additional surface preparation is necessary to prevent discoloration.

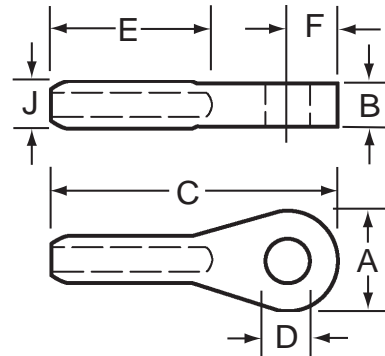
⚠ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

⚠ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Holerite® Stainless Steel Cast Swage Sockets



Closed Sockets

Part Number	Rope Size	Wt. Each	A	B	Overall Length C	Pin Hole D	E*	F	Shank Dia.		Die Descrip.
									Before J	After J	
5102784	5/16"	1	1-11/16"	11/16"	4-5/8"	7/8"	2	7/8"	7/8"	0.76	3/8" OC
5130291	3/8"	1	1-11/16"	11/16"	4-5/8"	7/8"	2	7/8"	7/8"	0.76	3/8" OC
5130293	7/16"	1.5	2"	13/16"	5-7/8"	1-1/16"	3	1-1/8"	1-1/8"	1.01	1/2" OC
5111839	1/2"	1.5	2"	13/16"	5-7/8"	1-1/16"	3	1-1/8"	1-1/8"	1.01	1/2" OC
5102808	9/16"	2.5	2-1/2"	1-1/8"	7-1/4"	1-1/4"	3-5/8"	1-3/8"	1-7/16"	1.27	5/8" OC
5102814	5/8"	2.5	2-1/2"	1-1/8"	7-1/4"	1-1/4"	3-5/8"	1-3/8"	1-7/16"	1.27	5/8" OC
5102820	3/4"	3	3"	1-5/16"	8-3/8"	1-7/16"	4-1/8"	1-5/8"	1-23/32"	1.53	3/4" OC
5102826	7/8"	6	3-1/2"	1-1/2"	10-1/8"	1-11/16"	5-1/2"	1-7/8"	1-23/32"	1.53	3/4" OC
5102832	1"	10	4"	1-3/4"	11-9/16"	2-1/16"	6-1/2"	2-3/16"	1-31/32"	1.76	7/8" OC
5112070	1-1/8"	16	4-1/2"	2"	14-3/4"	2-5/16"	9"	2-7/16"	2-1/4"	2.04	1" OC

*E - Minimum rope insertion length.
Swage in ESCO Open Channel Dies.

IMPORTANT: ESCO cast stainless steel products are cast from a proprietary alloy— 40SS (equivalent to AISI 304).

ESCO cast stainless steel products have an industrial grade finish. External surfaces may discolor in use due to exposure to steel and iron residue in processing. If cast stainless steel fittings are to be used in architectural or decorative applications, additional surface preparation is necessary to prevent discoloration.

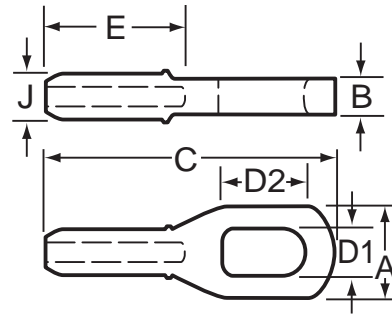
▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Holerite® Stainless Steel Cast Swage Sockets



Bail Sockets

Part Number	Rope Size	Wt. Each	A	B	Length C	Hole D1	Hole D2	E*	Shank Dia.		Die Descrip.
									Before J	After J	
4037377	3/8"	1	1-11/16"	5/8"	6-1/16"	15/16"	2-1/8"	2-1/2"	7/8"	0.76	3/8" OC
5111792	7/16"	1.8	2"	7/8"	7-3/8"	1-1/8"	2-3/8"	3-5/16"	1-1/8"	1.01	1/2" OC
5111790	1/2"	1.8	2"	15/16"	7-3/8"	1-1/8"	2-3/8"	3-5/16"	1-1/8"	1.01	1/2" OC

*E - Minimum rope insertion length.
Swage in ESCO Open Channel Dies.

IMPORTANT: ESCO cast stainless steel products are cast from a proprietary alloy— 40SS (equivalent to AISI 304).

ESCO cast stainless steel products have an industrial grade finish. External surfaces may discolor in use due to exposure to steel and iron residue in processing. If cast stainless steel fittings are to be used in architectural or decorative applications, additional surface preparation is necessary to prevent discoloration.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

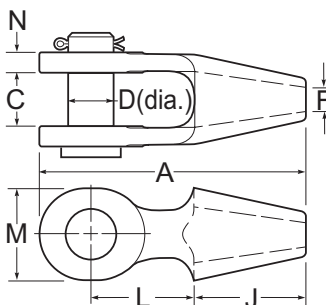
MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Open and Closed Galvanized Spelter Sockets

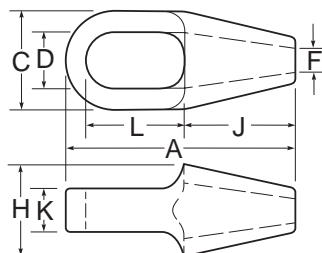
- ESCO Cast Spelter Sockets meet the requirements of ASTM A148 Gr 105/85.
- ESCO Spelter Socket Pins meet the requirements of ASTM A434 Grades BC/BD.
- ESCO Spelter Sockets shown are galvanized to ASTM A153 (painted or self colored available on request).
- ESCO Spelter Socket terminations have an ultimate load rating equal to the catalog strength of ASTM A 586-98 Class A manufactured strand and are recommended for use with 6x7, 6x19, 6x37, EIP, RRL, FC or IWRC, wire rope or strand.
- Open Sockets L-7000G to L-7005G and Closed Sockets L-7032G to L-7037G are supplied with grooves.
- Apply with Socket Metal or ESCO SOCKETFAST™ Resin.
- ESCO offers a wide range of high strength structural sockets designed for specific rope and strand applications.
- Contact ESCO Industrial Products Group with your inquiry.

Open Galvanized Spelter Socket



▲ WARNING: All spelter socket assemblies used as boom pendants must be proof loaded. Maximum proof load not to exceed 40% of rope or strand catalog break strength. ANSI B30.9-2.6.

Closed Galvanized Spelter Socket



▲ WARNING: All spelter socket assemblies used as boom pendants must be proof loaded. Maximum proof load not to exceed 40% of rope or strand catalog break strength. ANSI B30.9-2.6.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Open and Closed Galvanized Spelter Sockets

Open Galvanized Spelter Sockets

Item Number	Pattern Number	Rope Dia. in / mm	Strand Dia. in / mm	Wt. lb / kg	Dim. A in / mm	Dim. C in / mm	Dia. D in / mm	Dia. F in / mm	Dim. J in / mm	Dim. L in / mm	Dim. M in / mm	Dim. N in / mm
4043941	L-7000G	0.56-0.63 14-16	0.50 13	4 1.8	6.75 172	1.25 32	1.19 30	0.69 18	3 76	2.56 65	2.25 57	0.56 14
4043942	L-7001G	0.75 17-19	0.56-0.63 14-16	7 3.2	7.94 202	1.5 38	1.36 35	0.81 21	3.5 89	3 76	2.63 967	0.69 18
4043943	L-7002G	0.88 20-22	0.69-0.75 17-19	10 4.5	9.25 235	1.75 44	1.63 41	1 25	4 102	3.5 89	3.25 83	0.81 21
4043944	L-7003G	1 23-26	0.81-0.88 20-22	15 6.8	10.56 268	2 51	2 51	1.13 29	4.5 114	4 102	3.75 95	0.94 24
4043945	L-7004G	1.13 27-30	0.94-1.00 23-25	23 10.4	11.88 302	2.25 57	2.25 57	1.25 32	5.06 129	4.5 114	4.13 105	1 25
4043946	L-7005G	1.25-1.38 31-36	1.06-1.13 26-29	33 15	13.06 332	2.5 64	2.5 64	1.5 38	5.38 137	5 127	4.63 118	1.13 29
4043947	L-7006G	1.5 37-39	1.19-1.25 30-32	43 19.5	15.13 384	3 76	2.75 70	1.63 41	6 152	6 152	5.38 137	1.19 30
4043948	L-7007G	1.63 40-42	1.31-1.38 33-35	52 23.6	16.25 413	3 76	3 76	1.75 44	6.5 165	6.5 165	5.75 146	1.31 33
4043949	L-7008G	1.75-1.88 43-48	1.44-1.63 36-42	83 37.6	18.38 467	3.5 89	3.5 89	2 51	7.5 191	7 178	6.5 165	1.63 41
4043951	L-7009G	2.00-2.13 49-54	1.69-1.75 43-45	127 57.6	21.75 552	4 102	3.75 95	2.25 57	8.5 216	9 229	7.25 184	1.81 46
4043952	L-7010G	—	1.81-1.88 46-48	130 59	21.75 552	4 102	4 102	2.25 57	8.5 216	9 229	7.25 184	1.81 46
4043953	L-7011G	2.25-2.38 55-60	1.94-2.00 49-51	178 80.7	23.75 603	4.5 114	4.25 108	2.5 64	9 229	10 254	8 203	2.13 54
4043955	L-7013G	2.50-2.63 61-68	2.19-2.25 55-57	236 107	26 660	5 127	4.75 121	2.88 73	9.75 248	11 279	8.5 216	2.38 60
4043956	L-7014G	2.75-2.88 69-75	2.31-2.38 58-61	315 143	28.25 718	5.25 133	5 127	3.13 80	11.5 292	11.5 292	9 229	2.88 73
4044236	L-7015G	3.00-3.13 76-80	2.44-2.56 62-65	424 192	29.75 756	5.75 146	5.25 133	3.38 86	12.5 318	11.5 292	9.5 241	3 76
1086553	L-7016G	3.25 81-83	2.63-2.75 66-70	484 220	30.5 775	6 152	5.75 146	3.5 89	12.5 318	12 305	9.75 248	3 76
1089510	L-7017G	3.38 84-86	2.88-3.00 71-76	558 253	31.75 806	6.25 159	6 152	3.63 92	12.5 318	12 305	12 305	3.13 80
1089820	L-7018G	3.5 87-89	3.13-3.25 77-83	627 284	32.5 826	6.75 171	6.5 165	3.88 99	13.25 337	12.5 318	11.25 286	3.25 83
1089838	L-7019G	3.63 90-93	3.38-3.50 84-89	734 333	34.75 883	7.25 184	6.75 171	4 102	14 356	13 330	11.75 298	3.38 86
1089846	L-7020G	3.75-4.00 95-102	3.63-3.75 92-95	836 379	36.25 921	7.5 191	7 178	4.25 108	15 381	13.5 343	12.5 318	3.5 89

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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Open and Closed Galvanized Spelter Sockets

Closed Galvanized Spelter Sockets

Part Number	Pattern Number	Rope Dia. in / mm	Strand Dia. in / mm	Wt. lb / kg	Dim. A in / mm	Dim. C in / mm	Dim. D in / mm	Dim. F in / mm	Dim. H in / mm	Dim. J in / mm	Dim. K in / mm	Dim. L in / mm
4124439	L-7032G	0.56-0.63 14-16	0.5 13	3 1.4	6.38 162	2.63 67	1.38 35	0.69 18	2.38 60	3 76	1 25	2.5 64
4111726	L-7033G	0.75 17-19	0.56-0.63 14-16	5 2.3	7.63 194	3 76	1.63 41	0.81 21	2.75 70	3.5 89	1.25 32	3.06 78
4060012	L-7034G	0.88 20-22	0.69-0.75 17-19	9 4.1	8.88 226	3.63 92	1.88 48	1 25	3.13 80	4 102	1.5 38	3.56 90
4060013	L-7035G	1 23-26	0.81-0.88 20-22	12 5.4	10 254	4.13 105	2.25 57	1.13 29	3.75 95	4.5 114	1.75 45	4.06 103
4058967	L-7036G	1.13 27-30	0.94-1.00 23-25	17 7.7	11.13 283	4.5 114	2.5 64	1.25 32	4.13 105	5 127	2 51	4.56 116
1085018	L-7037G	1.25-1.38 31-36	1.06-1.13 26-29	22 10	12.31 313	5 127	2.75 70	1.5 38	4.75 121	5.5 140	2.19 56	4.94 126
4048218	L-7038G	1.5 37-39	1.19-1.25 30-32	30 13.6	14 356	5.38 137	3.13 80	1.63 41	5.25 133	6 152	2.5 64	6 152
1085034	L-7039G	1.63 40-42	1.31-1.38 33-35	35 15.9	15.13 384	5.75 146	3.25 83	1.81 46	5.5 140	6.5 165	2.75 70	6.5 165
4051221	L-7040G	1.75-1.88 43-48	1.44-1.63 36-42	52 23.6	17.38 442	6.69 170	3.69 94	2.13 54	6.38 162	7.38 187	3 76	7.88 200
1085051	L-7041G	2.00-2.13 49-54	1.69-1.75 43-45	86 39	19.75 502	7.63 194	3.81 97	2.25 57	7.38 187	8.5 216	3.25 83	8.81 224
1085077	L-7043G	2.25-2.38 55-60	1.81-1.88 46-48	116 52.6	21.63 549	8.5 216	4.38 111	2.56 65	8.25 210	9 229	3.69 94	9.75 248
1085093	L-7045G	2.50-2.63 61-68	1.94-2.13 49-54	170 77.1	24.75 629	9.75 248	5.5 140	2.63 67	9.25 235	10.5 267	4 102	10.69 272
1085115	L-7047G	2.75-2.88 69-75	2.19-2.44 55-62	228 104	26.25 667	10.75 273	6.25 159	3.25 82	10 254	11.5 292	4.88 124	11 279
1089692	L-7049G	3.00-3.13 76-80	2.50-2.63 63-68	297 135	28 711	11.75 298	6.75 171	3.63 92	10.75 273	12.5 318	5.25 133	11.38 289
1089706	L-7050G	3.25-3.38 81-86	2.75-2.88 69-75	326 148	28.5 724	12.25 311	7.25 184	3.88 98	11.5 292	12.5 318	5.75 146	11.63 295
1089714	L-7051G	3.50-3.63 87-93	3.00-3.13 76-80	410 186	30.75 781	13 330	7.75 197	4 102	12.5 318	13.5 343	6.25 159	12.63 321
1089722	L-7052G	3.75-4.00 94-102	3.25-3.63 81-93	535 243	33.25 845	14.25 362	8.5 216	4.5 114	12.75 324	15 381	7 178	12.94 329

Self colored available. Price on request. Use with SOCKETFAST™ Resin or Zinc.

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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

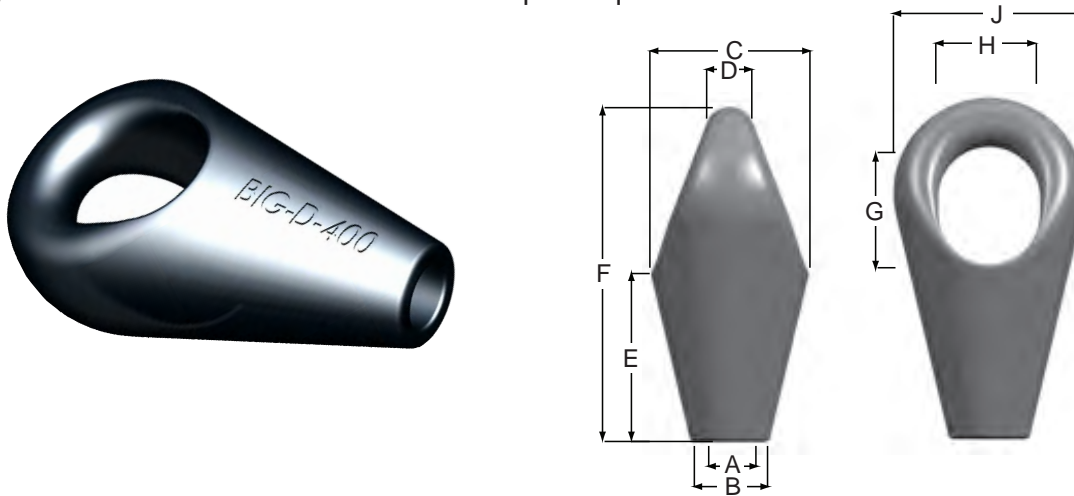
Big-D™ Anchor Pendant Sockets – Painted

ESCO Corporation's complete line of BIG-D Anchor Pendant Sockets are designed and manufactured to withstand the toughest offshore applications – in anchor lines, mooring lines, chain chaser lines, pendant lines, and other tough rigging requirements.

All sockets are made from ESCO AOD refined cast steel, with mechanical properties meeting or exceeding RQ4 requirements. All parts are available painted or galvanized.

BIG-D sockets are sized to fit standard chain connecting links and shackles. All sockets are 100% magnetic particle and ultrasonically inspected and individually serialized for quality verification.

Proofloading, and DnV or ABS certification available upon request.



Part Number	Descrip.	Rope Size	Dimensions									Wt. Each
			A	B	C	D	E	F	G	H	J	
5129987	BIG-D-100	2" - 2-1/8"	2-3/8"	3-3/4"	7-5/8"	2-5/16"	8-7/16"	15-3/4"	5-1/8"	4-11/16"	8-5/8"	75
5129988	BIG-D-200	2-1/4" - 2-3/8"	2-5/8"	4-3/16"	8-1/2"	2-5/8"	9-3/8"	17-5/8"	5-3/4"	5-1/4"	9-3/4"	105
5129989	BIG-D-300	2-1/2" - 2-5/8"	2-7/8"	4-5/8"	9-3/8"	2-7/8"	10-3/8"	19-1/2"	6-5/16"	5-7/8"	10-3/4"	142
5129990	BIG-D-400	2-3/4" - 2-7/8"	3-1/8"	5-1/8"	10-1/4"	3-3/16"	11-1/8"	21-3/4"	7-7/16"	7-1/2"	12"	181
5129991	BIG-D-500	3" - 3-1/8"	3-3/8"	5-1/2"	11-1/8"	3-7/16"	12"	23-5/8"	8-1/8"	8"	13-1/8"	234
5129947	BIG-D-600	3-1/4" - 3-5/8"	3-3/4"	6-1/8"	12-1/2"	3-3/4"	13-1/2"	26-1/2"	9"	7-3/4"	14-3/4"	338
5129992	BIG-D-700	3-3/4" - 4"	4-1/4"	7"	14-1/4"	4-3/8"	15-7/8"	29-5/8"	9-5/8"	8-7/8"	16-3/8"	502

Galvanized available. Price on request.

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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Cast & Machined Ferrules & End Fittings



Cast Stainless Steel Screwy® Choker Ferrules

Part Number	Rope Size	Size	Wt. Each	Before Swage Length	Dia.	After Swage Length	Dia.	Die Descrip.	Box Qty.
5128336	1/2"	M 4 P	0.3	1-1/2"	1-3/16"	1-11/16"	1.08	Midget/FE Midget	50
5128321	9/16"	D9/16P	0.8	2"	1-9/16"	2-1/4"	1.45	ST Dwarf/FE Dwarf	50
5128320	5/8"	D 5 P	0.8	2"	1-9/16"	2-1/4"	1.45	ST Dwarf/FE Dwarf	50
5128318	5/8"	D B 5 P	0.9	1-3/4"	1-3/4"	2"	1.53	3/4" Open	50
5128312	5/8"	B 5 P	1.2	2-1/4"	1-3/4"	2-1/2"	1.61	ST Bantam/FE Bantam	50
5128314	3/4"	B 6 P	1.1	2-1/4"	1-3/4"	2-1/2"	1.61	ST Bantam/FE Bantam	50
5128330	3/4"	L 6 P	2.4	2-7/16"	2-1/4"	3"	2.04	1" Open/SE Light	25
5128332	7/8"	L 7 P	2.3	2-7/16"	2-1/4"	3"	2.04	1" Open/SE Light	10
5128335	1"	L 8 P	2.3	2-7/16"	2-1/4"	3"	2.04	1" Open/SE Light	10
5128323	7/8"	J 7 P	3	2-5/8"	2-1/2"	3"	2.26	1-1/8" Open/SE Junior	10
5128325	1"	J 8 P	2.8	2-5/8"	2-1/2"	3"	2.26	1-1/8" Open/SE Junior	10
5128327	1-1/8"	J 9 P	2.6	2-5/8"	2-1/2"	3"	2.26	1-1/8" Open/SE Junior	10

Swage in ESCO Ferrule Dies.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Cast & Machined Ferrules & End Fittings



Cast Stainless Steel Screwy Drumline™ Ferrules

Part Number	Rope Size	Size	Wt. Each	Before Swage Length	Dia.	After Swage Length	Dia.	Die Descrip.	Box Qty.
5128313	3/4"	B 6DL	0.8	1-3/4"	1-3/4"	2"	1.53	3/4" OC	50
5128329	3/4"	L 6DL	2	2"	2-5/16"	2-1/4"	2.04	1" OC	25
5128331	7/8"	L 7DL	2	2"	2-5/16"	2-1/4"	2.04	1" OC	25
5128334	1"	L 8DL	2	2"	2-5/16"	2-1/4"	2.04	1" OC	25
5128324	1"	J 8DL	2.2	2-1/8"	2-9/16"	2-3/8"	2.26	1-1/8" OC	10
5128326	1-1/8"	J 9DL	2.2	2-1/8"	2-9/16"	2-3/8"	2.26	1-1/8" OC	10
5128322	1-1/4"	J 10DL	2.2	2-1/8"	2-9/16"	2-3/8"	2.26	1-1/8" OC	10

Swage in ESCO Open Channel Dies.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Cast & Machined Ferrules & End Fittings



Machined Choker Ferrules

Part Number	Rope Size	Ferrule	Wt. Each	Before Swage Length	Dia.	After Swage Length	Dia.	Die Descrip.	Box Qty.
4006106	3/8"	MM 3 P	0.33	1-3/8"	1-1/4"	1-11/16"	1.08	ST Midget/FE Midget	100
4006107	7/16"	MM 7/16 P	0.33	1-3/8"	1-1/4"	1-11/16"	1.08	ST Midget/FE Midget	100
4006108	1/2"	MM 4 P	0.33	1-3/8"	1-1/4"	1-11/16"	1.08	ST Midget/FE Midget	100
4089829	9/16"	MM 9/16 P1	0.33	1-3/8"	1-1/4"	1-11/16"	1.08	ST Midget/FE Midget	100
4008150	5/8"	D5M	0.8	2"	1-9/16"	2-1/4"	1.45	ST Dwarf/FE Dwarf	50
4008152	3/4"	B6M	1.1	2-1/4"	1-3/4"	2-1/2"	1.61	ST Bantam/FE Bantam	50

Swage in ESCO Ferrule Dies.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Cast & Machined Ferrules & End Fittings



Machined End Fittings

Part Number	Rope Size	Ferrule	Wt. Each	Before Swage Length	Dia.	After Swage Length	Dia.	Die Descrip.	Box Qty.
4134053	3/16"	3/16" DE	0.12	5/8"	5/8"	13/16"	0.53	1/4" OC	50
4005964	1/4"	1/4" DE	0.17	7/8"	5/8"	1-1/8"	0.53	1/4" OC	50
4005965	5/16"	5/16" DE	0.2	1"	7/8"	1-1/4"	0.76	3/8" OC	50
4005957	3/8"	3/8" DE	0.25	1-1/4"	7/8"	1-9/16"	0.76	3/8" OC	50
4005960	7/16"	7/16" DES	0.25	1-1/2"	1"	1-3/4"	0.88	7/16" OC	25
4005958	7/16"	7/16" DE	0.33	1-1/2"	1-1/8"	1-3/4"	1.01	1/2" OC	25
4134054	1/2"	1/2" DE	0.33	1-5/8"	1-1/8"	1-7/8"	1.01	1/2" OC	25
4017636	1/2"	1/2" TW	0.4	1-11/32"	1-5/16"	1-1/2"	1.13	9/16" OC	25
4017637	9/16"	9/16" TW	0.4	1-11/32"	1-5/16"	1-1/2"	1.13	9/16" OC	25

Swage in ESCO Open Channel Dies.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Cast & Machined Ferrules & End Fittings

Wedge-type Ferrules



Rope Size	Part Number	Ferrule Size	Color	Outside		Wt.	Wedge Size
				Dia.	Length		
3/8", 7/16"	4017601	M3 Midget	Silver	1-1/8"	1-3/8"	0.25	#4
1/2", 9/16"	4017602	M4 Midget	Lt. Blue	1-1/8"	1-3/8"	0.25	#4
9/16", 5/8"	4017603	D5 Dwarf	Pink	1-1/2"	1-3/4"	0.5	#5
9/16", 5/8"	4017604	B5 Bantam	Maroon	1-5/8"	2"	0.75	#5
3/4"	4017605	B6 Bantam	Grey	1-5/8"	2"	0.75	#6
3/4"	4005822	L6 Light	White	2-1/8"	2-5/8"	1.75	#6
7/8"	4005820	L7 Light	Black	2-1/8"	2-5/8"	1.75	#7
1"	4017616	L8 Light	Green	2-1/8"	2-5/8"	2.75	#8
7/8"	4017606	J7 Junior	Red	2-3/8"	2-3/4"	1.5	#7
1"	4017607	J8 Junior	Navy	2-3/8"	2-3/4"	2	#8
1-1/8"	4017608	J9 Junior	Yellow	2-3/8"	2-3/4"	2	#9
1-1/4"	4017609	J10 Junior	Orange	2-3/8"	2-3/4"	2.22	#10

IMPORTANT: Wedge Ferrules may be used with SOCKETFAST™ Resin.

Six Strand Wedges

Wedge Size	Weight	Material	Part Number
#4	0.1	Bronze	4076278
#4	0.1	Aluminum	4163075
#5	0.15	Bronze	4162746
#5	0.15	Aluminum	4006838
#6	0.2	Bronze	4162747
#6	0.2	Aluminum	4005821
#7	0.2	Bronze	4162748
#7	0.2	Aluminum	4005819
#8	0.3	Bronze	4076282
#8	0.3	Aluminum	4156813
#9	0.6	Bronze	4060008
#9	0.6	Aluminum	4173099
#10	0.7	Bronze	4060009
#10	0.7	Aluminum	4173100

IMPORTANT: Ferrules and wedges sold separately

⚠ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

⚠ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

Seven Strand Wedges

Wedge Size	Weight	Material	Part Number
#5	0.15	Bronze	4176375
#5	0.15	Aluminum	4176368
#6	0.2	Bronze	4176376
#6	0.2	Aluminum	4176370
#7	0.2	Bronze	4176377
#7	0.2	Aluminum	4176371
#8	0.3	Bronze	4176378
#8	0.3	Aluminum	4176372
#9	0.6	Bronze	4176379
#9	0.6	Aluminum	4176373
#10	0.7	Bronze	4176381
#10	0.7	Aluminum	4176374

IMPORTANT: Ferrules and wedges sold separately

⚠ WARNING: All ESCO wedge-type ferrules with six strand wedges are designed for use with 6 x 19 class or 6 x 37 class; or with seven strand wedges are designed for use with 7 x 19 or 7 x 37 class, right regular lay, EIP, IWRC wire rope, manufactured to US specifications.

⚠ WARNING: If other constructions of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application.

⚠ WARNING: Do not use ferrules for suspending loads. Ferrules are not intended for use in applications where loads are fully suspended overhead except in some log harvesting systems where adequate precautions are taken. Other fittings, such as sleeves and sockets, should be used for overhead work.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Cast & Machined Ferrules & End Fittings



Zinc-pour Ferrules

Part Number	Rope Size	Item	Wt. Each	Ferrule Length	Outside Dia.	Hook Size
4152315	5/8"	D-5	0.4	1-3/4"	1-1/2"	Dwarf
4183015	3/8", 1/2"	B-4	0.5	2"	1-5/8"	Bantam
4183016	5/8"	B-5	0.5	2"	1-5/8"	Bantam
4183017	3/4"	B-6	0.5	2"	1-5/8"	Bantam
4152316	3/4"	L-6	1.1	2-5/8"	2-1/8"	Light
4183018	7/8"	L-7	1.1	2-5/8"	2-1/8"	Light
4183019	1"	L-8	1.1	2-5/8"	2-1/8"	Light
4152317	7/8"	J-7	1.8	2-3/4"	2-3/8"	Junior
4183020	1"	J-8	1.8	2-3/4"	2-3/8"	Junior
4183021	1-1/8"	J-9	1.8	2-3/4"	2-3/8"	Junior
4152318	1-1/4"	J-10	1.8	2-3/4"	2-3/8"	Junior
4152319	1", 1-1/8"	S-9	2	3-3/16"	2-13/16"	Standard
4152320	1-1/4"	S-10	2	3-3/16"	2-13/16"	Standard
4152321	1-3/8"	S-11	2	3-3/16"	2-13/16"	Standard
4152322	1-1/2"	S-12	2	3-3/16"	2-13/16"	Standard

▲ WARNING: Use only with socket metal. **DO NOT USE WITH RESIN.**

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Logging & Forestry Hardware for Chokers and Winchline

Winchline			Choker Options			Sliding Hook Options		
Rope Size	Ferrule (Wedge)	Linender™ Hook	Rope Size	Ferrule (Wedge)	Bardon® Choker Hook	Ring-type Holdrite® Light Weight	Heavy-Duty	Sleeve-type Holdrite®
9/16"	B5 (No. 5)	Bantam/Midget	3/8" or 7/16"	M3 (No.3)	Midget or Micro-Midget	Lt. Wt. Midget	–	1/2" Midget
			1/2"	M4 (No.4)	Midget or Micro-Midget	Lt. Wt. Midget	Midget	1/2" and 9/16" Midget
5/8"	B5 (No. 5)	Bantam/Midget	9/16"	M4 (No.4)	Midget or Micro-Midget	Lt. Wt. Midget	Midget	9/16" Midget
3/4"	B6 (No. 6)	Bantam/Midget	9/16"	M4 (No.4)	Midget or Micro-Midget	Not recommended	Midget	9/16" Midget
7/8"	L7 (No. 7)	Light Bantam	5/8"	B5 (No.5)	Bantam or Lt. Wt. Bantam	Not recommended	Dwarf	Dwarf
			3/4"	B6 (No. 6)	Bantam or Lt. Wt. Bantam	Not recommended	Bantam	Dwarf



AWRF Code LH

Bardon® Choker Hooks

Part Number	Hook (Ferrule) Size	Wt. Each	Designed for the following size Choker Ropes	May also be used with these sizes	Box Qty.
5108904	Micro-Midget*	0.75	1/2"	3/8", 7/16", 9/16"	25
5108661	Midget	1.5	1/2"	3/8", 7/16", 9/16"	25
5108679	Dwarf	3.25	5/8"	1/2", 9/16"	10
1015885	Bantam	4	3/4"	5/8", 1/2"	*

*Uses Midget Ferrules

**Uses Junior Ferrules

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Logging & Forestry Hardware



Ring-type Holdrite® Hooks

Part Number	Size	Wt. Each	Winchline Opening	Recommended Choker Size	Box Qty.
1012606	Lt Wt Midget	1.75	Approx. 2" Dia.	1/2", 9/16"	15
1012665	Midget	3			10



Sleeve-type Holdrite Hooks

Part Number	Size	Wt. Each	Recommended Choker Size	Recommended Winchline Size	Box Qty.
1053868	1/2" Midget	1.75	7/16", 1/2"	1/2", 9/16", 5/8"	25
1012703	9/16" Midget	2.25	1/2", 9/16"	9/16", 5/8", 3/4"	15

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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Logging & Forestry Hardware



Twitch Hook

Part Number	Hook (Ferrule) Size	Wt. Each	Winchline Opening	Recommended Choker Size	Box Qty.
5128059	Midget Twitch Hook	3	Approx. 2"	1/2", 9/16"	15

Linender™ Hooks

Part Number	Rope Size	Wt. Each	Recommended Winchline Size	Recommended Choker Size
5108945	Light Bantam	6	3/4", 7/8", 1"	5/8", 3/4"



Imported Logging Hooks

Made in China to ESCO Specifications

Part Number	Hook (Ferrule) Size	Wt. Each
5114062	Micro midget	0.85
5114938	Midget	1.5
5126113	Dwarf	3.25
5114937	Midget Ring-Type Holdrite	2.25
5126114	Midget Sleeve-Type Holdrite	2.25
5126115	Twitch Hook	2.3



▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

ESCO Logging & Forestry Hardware



Double-ender Hook

Part Number	Size	Wt. Each	For Rope Sizes	Ferrule Size
5106043	Junior (7/8" – 1-1/4")	17.5	7/8" – 1-1/4"	J7, J8, J9, J10



Hazel Hoe

Item	Wt. Each	Standard Package	Part Number
Hazel Hoe	3	—	5103258

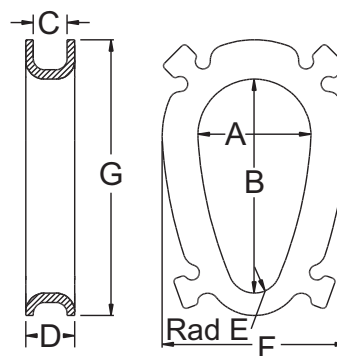
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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Industrial Rigging Hardware



Slip Through Thimbles

ESCO Part No	Descrip.	Sling Size		Dimensions							Wt. Each
		Single	8 pts.	A	B	C	D	E	F	G	
5125593	ST2	3/8	3/32 - 1/8	2-1/8"	4-1/8"	7/16"	13/16"	9/16"	3-1/4"	5-1/4"	1.0
5125594	ST3	9/16	3/16	2-3/8"	4-3/8"	5/8"	1"	5/8"	3-7/8"	5-15/16"	1.3
5125595	ST4	3/4	1/4	3-3/8"	6-5/8"	13/16"	1-7/16"	5/8"	5-3/8"	8-1/4"	3.8
5125596	ST5	1	5/16	3-3/4"	7-1/8"	1-1/8"	1-5/8"	7/8"	6-1/8"	9-3/16"	5.0
5125597	ST6	1-1/4	3/8	4-3/8"	8-3/8"	1-3/8"	1-7/8"	1"	7-1/8"	11"	7.8
5125598	ST7	1-1/2	7/16 - 1/2	5"	9-1/2"	1-5/8"	2-1/8"	1-1/4"	7-3/4"	12-1/4"	7.8

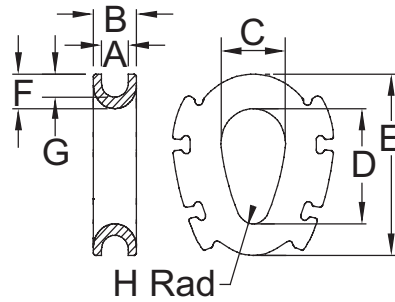
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MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Industrial Rigging Hardware



Casing and Choker Thimbles

ESCO Part No	Descrip.	Sling Size		Dimensions								Wt. Each
		6 pts.	8 pts.	A	B	C	D	E	F	G	H	
5125647	NO.2	1/8	1/8	1/2"	7/8"	1-1/4"	2-1/8"	3-3/16"	5/8"	3/8"	5/16"	0.7
5125648	NO.3	1/4	3/16	5/8"	1"	1-1/2"	2-1/2"	3-15/16"	3/4"	1/2"	3/8"	1.1
5125649	NO.4	5/16	1/4	13/16"	1-3/16"	1-3/4"	2-7/8"	4-7/16"	15/16"	11/16"	7/16"	2.0
5125650	NO.5	3/8	5/16	15/16"	1-7/16"	2"	3-1/4"	4-15/16"	1-1/16"	13/16"	1/2"	2.8
5125651	NO.6	7/16	3/8	1-1/8"	1-11/16"	2-1/4"	3-5/8"	5-13/16"	1-5/16"	15/16"	9/16"	3.8
5125652	NO.7	1/2	7/16	1-3/8"	1-15/16"	2-3/4"	4-1/16"	6-7/16"	1-7/16"	1-1/16"	11/16"	5.3

Important: ESCO casing and choker thimbles can be proof tested to 2 times WLL with no deformation.

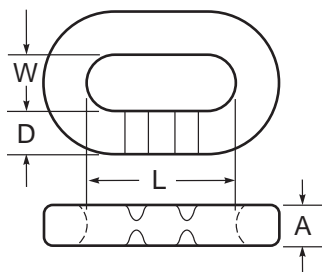
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MINIMUM ORDER \$150

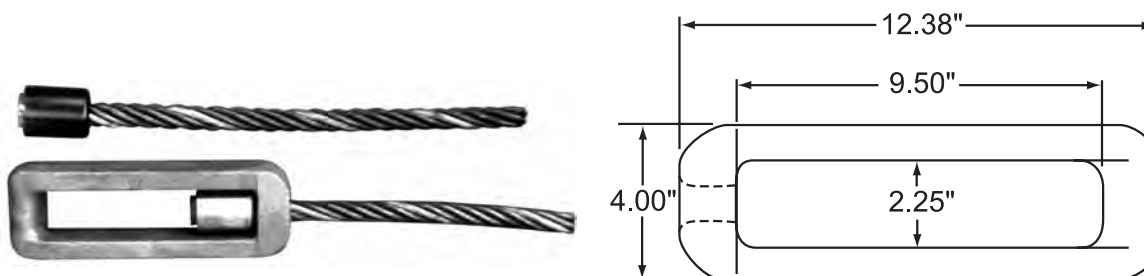
Freight allowed on orders exceeding 500 lbs.

Industrial Rigging Hardware



Weld Links

Part Number	Size	A	D	L	W	Maximum Mainline Size
5112265	7/8"	7/8"	1-1/16"	4"	1-5/8"	3/4"
5112266	1"	1"	1-3/16"	4"	1-3/4"	1"
5112267	1-3/8"	1-3/8"	1-5/8"	5-1/2"	2-1/8"	1-1/4"
5112268	1-1/2"	1-1/2"	1-11/16"	6"	2-3/8"	1-1/2"



Roll-off Hook

Part Number	Item	Unit Wt.	Rope Size	Exterior Length	Exterior Width	Thickness	Interior Length	Interior Width
5121573	Roll-off Hook	13.25	7/8"	12-3/8"	4"	2-1/4"	9-1/2"	2-1/4"

Note: Use only one of the following ferrules:
L7P Cast Stainless Steel Screwy® Choker Ferrule; **5128332**
L7 Wedge-type Ferrule; **4005820**

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Socketing Media

- ESCO SOCKETFAST™ Resin has a 1-year life from date of manufacture (each container is dated)
The resin should be stored at temperatures less than 29°C/85°F.
- ESCO SOCKETFAST Resin may be used with Wedge Ferrules (without wedges)
- Recommend using SOCKETFAST Resin in Sockets without grooves or with grooves filled prior to SOCKETFAST Resin application
- ESCO SOCKETFAST Resin must not be used with zinc ferrules – USE SOCKET METAL ONLY**
- See application instructions (P3001RIG01L) for proper procedures

IMPORTANT: SOCKETFAST RESIN IS ONLY AVAILABLE IN THE UNITED STATES AND MUST SHIP BY GROUND ONLY!

SOCKETFAST Resin

Part Number	Type	Case Wt.	Standard Case
ESCO SOCKETFAST			
4055376	300 Gram Kit	15	20-cans
4055377	1,000 Gram Kit	33.5	11-cans
4055378	4,000 Gram Kit	41	4-cans

SOCKETFAST Resin sold in case lots only.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.



Swaging Dies

Tapering Dies



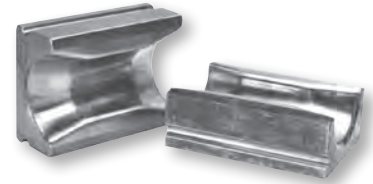
Open Channel Dies



Ferrule Dies



Forged Socket Dies



2" x 3 1/2" Dies for ESCO Mark 87 Swager

IMPORTANT: If you are swaging non-ESCO fittings be sure to contact the fitting manufacturer to determine proper diameter and swaging techniques.

Swage Die Part No.	ESCO Stainless Steel Sleeves				2-piece Duplex	Single	Carbon Steel	Cast SS Sockets	Ferrules	Forged Swage Sockets
	Swage Die Description	Max. Die Dia.	Wt. Each	1-piece Duplex			Single Sleeves	Open/ Closed/Bail		
Open Channel Dies										
4016518	1/8" Combination*	0.25"	13	1/8"	—	—	—	—	—	—
	1/2" Combination	1.00"		1/2" & 7/16"	1/2"	1/2" & 7/16"	—	1/2" & 7/16"	7/16" & 1/2"	—
4186796	3/16" Combination	0.38"	13	3/16"	—	—	—	—	—	—
	5/16" Combination	0.63"		—	—	—	—	—	—	—
4016519	3/16" Combination	0.38"	13	3/16"	—	—	—	—	—	—
	7/16" Combination	0.88"		—	—	—	—	—	7/16"SPL	—
4016520	1/4" Combination	0.52"	13	1/4"	—	—	—	—	1/4" & 3/16"	—
	3/8" Combination	1.75"		3/8" & 5/16"	—	3/8" & 5/16"	—	3/8" & 5/16"	3/8" & 5/16"	—
4016521	5/16" Single Channel	0.63"	13	—	—	—	—	—	—	—
4097396	9/16" Single Channel	1.13"	12	—	—	—	—	—	1/2"TW-9/16"TW	—
4016522	5/8" Single Channel	1.27"	14	5/8" & 9/16"	5/8" & 9/16"	5/8"	—	5/8" & 9/16"	—	—
4016523	3/4" Single Channel	1.52"	14	—	3/4"	—	—	—	DB4P	—
4091003	7/8" Single Channel	1.75"	14	—	—	—	—	—	—	—
Taper Dies for Carbon Steel Sleeves										
4089196	1/4" Dual Channel	0.56"	12	—	—	—	1/4"	—	—	—
4079211	3/8" Dual Channel	0.76"	14	—	—	—	3/8" & 5/16"	—	—	—
4016223	1/4" Combination*	0.56"	13	—	—	—	1/4"	—	—	—
	3/8' Combination	0.76"	14	—	—	—	3/8" & 5/16"	—	—	—
4016224	1/2" Single Channel	1.01"	13	—	—	—	1/2" & 7/16"	—	—	—
4016225	5/8" Single Channel	1.23"	14	—	—	—	5/8" & 9/16"	—	—	—
4016226	3/4" Single Channel	1.45"	16	—	—	—	3/4"	—	—	—

*Combination dies have multiple channels in one die block.
All maximum die diameters are for reference only.

Continued on the next page.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Swaging Dies

Tapering Dies



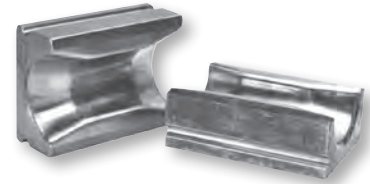
Open Channel Dies



Ferrule Dies



Forged Socket Dies



2" x 3 1/2" Dies for ESCO Mark 87 Swager Continued

IMPORTANT: If you are swaging non-ESCO fittings be sure to contact the fitting manufacturer to determine proper diameter and swaging techniques.

Swage Die Part No.	ESCO Stainless Steel Sleeves				2-piece Duplex	Single	Carbon Steel Single Sleeves	Cast SS Sockets Open/Closed/Bail	Ferrules	Forged Swage Sockets
	Swage Die Description	Max. Die Dia.	Wt. Each	1-piece Duplex						
Ferrule Dies										
4016782	Midget Front Entry	1.07"	13	—	—	—	—	—	M4P, MM3P - MM9/16"	—
4069623	Midget Side Entry	1.07"	13	—	—	—	—	—	M4P, MM3P - MM9/16"	—
Forged Socket Dies										
4005874	1/4" Combination	0.44"	15	—	—	—	—	—	—	1/4"
	3/8" Combination	0.69"	15	—	—	—	—	—	—	3/8"
4005876	1/2" Single Channel	0.88"	17	—	—	—	—	—	—	1/2"
4005877	5/8" Single Channel	1.13"	22	—	—	—	—	—	—	5/8"

*Combination dies have multiple channels in one die block.
All maximum die diameters are for reference only.

Swaging Dies

2 1/2" x 5" Dies for ESCO Mark 100 and 150 Swagers

IMPORTANT: If you are swaging non-ESCO fittings be sure to contact the fitting manufacturer to determine proper diameter and swaging techniques.

Swage Die Part No.	Swage Die Description	Max. Die Dia.	Wt. Each	SS 1-pc Duplex	SS 2-pc Duplex	SS Single	CS Single Sleeves	Cast SS SKTS Open/Closed./Bail	Ferrules	Forged Swage Sockets
Open Channel Dies for Stainless Steel Products										
4003337	1/8" Combination***	0.25"	27	1/8"	—	—	—	—	—	—
	3/16" Combination	0.38"		3/16"	—	—	—	—	—	—
4003338	1/4" Combination	0.52"	27	1/4"	—	—	—	—	—	—
	3/8" Combination	0.75"		5/16" - 3/8"	—	—	—	—	—	—
4003339	7/16" Optional Combination	0.88"	26	—	—	—	—	—	7/16"	—
	5/16" Optional Combination	0.63"		—	—	—	—	—	—	—
4003340	1/2" Single Channel	1.01"	28	7/16" - 1/2"	—	7/16" - 1/2"	—	7/16" - 1/2"	7/16" - 1/2"	—
4003341	9/16" Optional Single Channel	1.13"	26	—	—	—	—	—	TH4, TH 7/16"	—
4003342	5/8" Single Channel	1.27"	28	9/16" - 5/8"	5/8"	5/8"	—	3/8" & 5/16"	1/2"TW - 9/16"TW	—
4003343	3/4" Single Channel	1.52"	29	3/4"	3/4"	3/4"	—	3/4" - 7/8"	DB 5P, B6 D/L	—
4003344	7/8" Single Channel	1.75"	30	7/8"	7/8"	7/8"	—	1"	—	—
4003345	1" Single Channel	2.03"	32	1"	1"	1"	1"-1st Stg.*	1-1/8"	Light Ferrules	—
4003346	1-1/8" Single Channel	2.25"	37	—	1-1/8"	1-1/8" - 1-1/4"	1-1/8"-1st Stg.*	—	Junior Ferrules	—
4003347	1-1/4" Single Channel	2.50"	36	—	1-1/4" & 1-3/8"	1-3/8"	1-1/4"-1st Stg.*	—	—	—
4003348	1-1/2" Single Channel	2.69"	39	—	1-1/2"	1-1/2"	1-3/8"-1st Stg.*	—	—	—
4006473	1-1/2" Special 1st Stage	3.01"	37	—	—	—	1-1/2"-1st Stg.*	—	—	—
Taper Dies for Carbon Steel Flemixh Eye Applications										
4089194	1/4" Combination	0.56"	27	—	—	—	1/4"	—	—	—
4089195	3/8" Combination	0.76"	27	—	—	—	3/8" & 5/16"	—	—	—
4003349	1/4" Combination	0.56"		—	—	—	1/4"	—	—	—
	3/8" Combination	0.76"	28	—	—	—	3/8"	—	—	—
4003350	1/2" Single Channel	1.01"	27	—	—	—	1/2" & 7/16"	—	—	—
4003351	5/8" Single Channel	1.23"	26	—	—	—	5/8" & 9/16"	—	—	—
4003352	3/4" Single Channel	1.45"	29	—	—	—	3/4"	—	—	—
4003353	7/8" Single Channel	1.70"	34	—	—	—	7/8"	—	—	—
4003354	1"-2nd Stage Taper	1.89"	38	—	—	—	1"-2nd Stg.*	—	—	—
4003355	1-1/8"-2nd Stage Taper	2.09"	42	—	—	—	1-1/8"-2nd Stg.*	—	—	—
4003356	1-1/4"-2nd Stage Taper	2.29"	42	—	—	—	1-1/4"-2nd Stg.*	—	—	—
4003357	1-3/8"-2nd Stage Taper	2.51"	43	—	—	—	1-3/8"-2nd Stg.*	—	—	—
4003358	1-1/2"-2nd Stage Taper	2.67"	44	—	—	—	1-1/2"-2nd Stg.*	—	—	—
Forged Socket Dies										
4005864	1/4" Combination	0.44"	27	—	—	—	—	—	—	1/4"
	3/8" Combination	0.69"		—	—	—	—	—	—	5/16", 3/8"
4005865	1/2" Single Channel	0.88"	30	—	—	—	—	—	—	7/16", 1/2"
4005866	5/8" Single Channel	1.13"	36	—	—	—	—	—	—	9/16", 5/8"
4005867	3/4" Single Channel	1.38"	42	—	—	—	—	—	—	3/4"
4005868	7/8" Single Channel	1.51"	44	—	—	—	—	—	—	7/8"
4005869	1" Single Channel	1.76"	43	—	—	—	—	—	—	1"
4005870	1-1/8" Staging	2.01"	43	—	—	—	—	—	—	1-1/8"
4003582	1-1/4" Staging	2.26"	34	—	—	—	—	—	—	1-1/4"
Ferrule Dies										
4016528	Midget Front Entry	1.07"	27	—	—	—	—	—	M4P, MM3P-MM9/16"P	—
4016530	Dwarf Front Entry	1.45"	26	—	—	—	—	—	D9/16"P, D5P	—
4016532	Bantam Front Entry	1.60"	26	—	—	—	—	—	B5P, B6P	—
4069624	Midget Thru Channel	1.07"	27	—	—	—	—	—	M4P, MM3P-MM9/16"P	—
4069625	Drawf Thru Channel	1.45"	35	—	—	—	—	—	D9/16"P, D5P	—
4069626	Bantam Thru Channel	1.60"	34	—	—	—	—	—	B5P, B6P	—
4069627	Light Side Entry Pocket Die	2.03"	32	—	—	—	—	—	L6, L7, L8	—
4069628	Junior Side Entry Pocket Die	2.26"	30	—	—	—	—	—	J7, J8, J9	—

2nd stage tapering dies should be used in conjunction with 1st stage open channel dies.
All maximum die diameters are for reference only.

Swaging Dies

4" x 7" Dies for ESCO Mark 250 Swager

IMPORTANT: If you are swaging non-ESCO fittings be sure to contact the fitting manufacturer to determine proper diameter and swaging techniques.

Swage Die Part No.	Swage Die Description	Max. Die Dia.	Wt. Each	SS 2-pc Duplex	SS Single	CS Single Sleeves	Forged Swage Sockets
Open Channel Dies for SS and CS Sleeves							
4048572	1-3/4" Single Channel	3.07"	134	1-3/4"	1-3/4"	—	—
4048598	2" Single Channel	3.51"	128	2"	2"	1-3/4"-1st Stg.* 2"-2nd Stg	—
4048599	2-1/4" Single Channel	4.01"	120	2-1/4"	2-1/4"	2"-1st Stg.*	—
4048600	2-1/2" Single Channel	4.39"	113	2-1/2"	—	—	—
Taper Dies for CS Sleeves							
4048598	1 3/4" 1st Stage - (2"OC)	3.51"	128	2"	2"	1-3/4"-1st Stg.* 2"-2nd Stg	—
4070864	1-3/4"-2nd Stage	3.07"	136	—	—	1-3/4"-2nd Stg	—
4048599	2" - 1st Stage -(2 1/4" OC)	4.01"	120	2-1/4"	2-1/4"	2"-1st Stg.*	—
4048598	2" 2nd Stage - (2"OC)	3.51"	128	2"	2"	1-3/4"-1st Stg.* 2"-2nd Stg	—
4070866	2-1/2"-1st stage	4.83"	126	—	—	2-1/2"-1st Stg.*	—
4070865	2-1/2"-2nd stage	4.45"	134	—	—	2-1/2"-2nd Stg.*	—
Forged Socket Dies							
4003254	1-1/4"	2.26"	134	—	—	—	1-1/4"
4003255	1-3/8"	2.51"	126	—	—	—	1-3/8"
4003256	1-1/2"	2.76"	137	—	—	—	1-1/2"
4003257	1-3/4"	3.01"	154	—	—	—	1-3/4"
4003258	2"	3.51"	151	—	—	—	2"
4008539	Die Adapter for 2-1/2" Dies	—	70	—	—	—	—

2nd stage tapering dies should be used in conjunction with 1st stage open channel dies.

All maximum die diameters are for reference only.

▲ WARNING: Never exceed the Working Load Limit stated by the wire rope manufacturer. Refer to the warnings on page 5.

▲ WARNING: All ESCO swage sleeves are designed for use with 6 x 19 class or 6 x 37 class, right regular lay, EIP or IWRC wire rope manufactured to US specifications. If other construction of wire rope are used with these fittings, the fabricator should make up and test sample assemblies to make sure they will perform adequately in the intended application. For complete instructions on how to install and swage ESCO sleeves, refer to the ESCO Swaging Instruction Manual.

MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Die Wear Gauges

⚠ WARNING: Using die gauges is the only reliable way to measure the necessary close tolerances.

Please refer to Swage Die Wear Gauges Instruction Manual (P3000RIG01L)



Open Channel Die Gauges

ESCO Die Description		ESCO Die Wear Gauges		Wt. Each	Gauge Kit No.
		"GO" Dia.	"NO-GO" Dia.		
1/8"	OPEN	0.24"	0.25"	0.1	4002557
3/16"	OPEN	0.37"	0.38"	0.1	
1/4"	OPEN	0.52"	0.52"	0.2	
5/16"	OPEN	0.62"	0.63"	0.2	
3/8"	OPEN	0.75"	0.75"	0.3	
7/16"	OPEN	0.87"	0.88"	0.3	
1/2"	OPEN	1.00"	1.00"	0.4	
9/16"	OPEN	1.12"	1.13"	0.4	
5/8"	OPEN	1.26"	1.27"	0.8	
3/4"	OPEN	1.52"	1.52"	1.1	
7/8"	OPEN	1.75"	1.75"	1.1	
1"	OPEN	2.02"	2.03"	1.3	
1-1/8"	OPEN	2.25"	2.25"	1.6	
1-1/4"	OPEN	2.50"	2.25"	1.8	
1-1/2"	OPEN	2.68"	2.69"	2.0	
Set-15 Gauges and Case				12	4002557

Note: Tolerances on all "GO" gauges are $\pm .001$ to $.0$

On all "NO-GO" gauges are $\pm .0$ to $.001$

Open Channel and Staging Die Gauges

ESCO Die Description		ESCO Die Wear Gauges		Wt. Each	Gauge Kit No.
		"GO" Dia.	"NO-GO" Dia.		
1-3/4"	OPEN				4002536
1-3/4"	TAPER	*	3.07"	3.8	
1-3/4"	STAGING				
2"	OPEN	*	3.51"	5.0	4002537
2"	STAGING				
2-1/4"	OPEN	*	4.01"	6.7	4002538
2-1/2"	OPEN	*	4.39"	8.1	4002539
2-1/2"	STAGING	*	4.45"	8.3	4002540
Handle: Must be ordered with each gauge above				2	4002574

Note: Only "NO-GO" gauges are used on larger dies. Continued on the next page.

Die Wear Gauges

Tapering Die Gauges

ESCO Die Description		ESCO Die Wear Gauges		Wt. Each	Gauge Kit No.
		"GO" Dia.	"NO-GO" Dia.		
1/4"	TAPER	0.54"	0.56"	0.2	
3/8"	TAPER	0.74"	0.76"	0.2	
1/2"	TAPER	0.99"	1.01"	0.4	
5/8"	TAPER	1.21"	1.23"	0.5	
3/4"	TAPER	1.43"	1.43"	0.8	
7/8"	TAPER	1.68"	1.70"	1.1	
1"	TAPER	1.87"	1.89"	1.4	
1-1/8"	TAPER	2.07"	2.09"	2.2	
1-1/4"	TAPER	2.28"	2.29"	2.7	
1-3/8"	TAPER	2.49"	2.51"	3.2	
1-1/2"	TAPER	2.65"	2.67"	3.7	
Set-11 Gauges and Case				18	4002535

Ferrule Die Gauges

ESCO Die Description		ESCO Die Wear Gauges		Wt. Each	Gauge Number
		"GO" Dia.	"NO-GO" Dia.		
MIDGET		1.06"	1.07"	1.1	
DWARF		1.44"	1.45"	1.5	
BANTAM		1.59"	1.60"	1.6	
Set (Midget, Dwarf, Bantam) and Case				5.0	4002523
LIGHT		2.02"	2.03"	1.9	4003488
JUNIOR		2.25"	2.26"	2.0	4003489

Note: Light and Junior Die Gauges are sold individually.

Forged Socket Die Gauges

ESCO Die Description		ESCO Die Wear Gauges		Wt. Each	Gauge Kit No.
		"GO" Dia.	"NO-GO" Dia.		
1/4"	FRG. SKT.	0.43"	0.44"	0.2	
3/8"	FRG. SKT.	0.68"	0.69"	0.2	
1/2"	FRG. SKT.	0.87"	0.88"	0.4	
5/8"	FRG. SKT.	1.12"	1.13"	0.5	
3/4"	FRG. SKT.	1.37"	1.38"	0.8	
7/8"	FRG. SKT.	1.50"	1.51"	1.1	
1"	FRG. SKT.	1.75"	1.76"	1.4	
1-1/8"	FRG. SKT.	1.99"	2.01"	2.2	
1-1/4"	FRG. SKT.	2.24"	2.26"	2.7	
1-3/8"	FRG. SKT.	2.49"	2.51"	3.2	
1-1/2"	FRG. SKT.	2.74"	2.76"	3.5	
1-3/4"	FRG. SKT.	2.99"	3.01"	4.0	
2"	FRG. SKT.	3.49"	3.51"	4.5	
Set-13 Gauges and Case					4051382

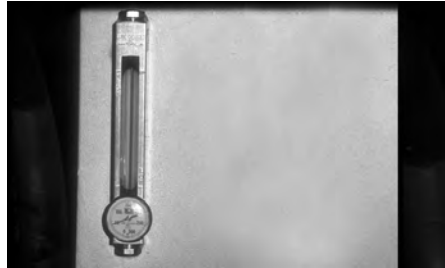
MINIMUM ORDER \$150

Freight allowed on orders exceeding 500 lbs.

Mark87 Swager



Electrically operated foot controls provide precise control. Controls can be positioned for maximum operator comfort.



Sight glass indicates the hydraulic oil level and temperature.



To simplify maintenance, the power unit features a filter gauge to indicate when the filter should be changed.

Specifications:

MK 87 Swager (Part No. 4090087)

Weight	2100 lb / 953 kg
Swager height	51" / 1295mm
Swager width	27" / 686mm
Swager length	45.5" / 1130mm
Die work height from floor	33.5" / 851mm
Cylinder diameter	5.5" / 140mm
Recommended floor area (Swager and Power Unit)	5' x 9' / 1.5m x 2.75m

Hydraulic Power Unit

Weight (dry)	470 lb / 213 kg
Power unit length	36" / 915mm
Power unit width	24" / 610mm
Power unit height	45" / 1143mm
Motor	10HP / 7.5kW
Electrical service	230-460V, 3 phase, 60HZ
Rated current	26.8amps @ 230 / 13.4amps @ 460
Reservoir	30 US Gal / 113 liters
Output - single vane pump	12 GPM - 2150 PSI / 45.5 LPM - 145 BAR

Swaging Capabilities Sleeves	Ferrules
SS 1pc 3/4"	Midget
SS 2pc 7/8"	
SS Sing. 5/8"	Sockets
CS Sing. 3/4"	SS 5/8"



Dies for ESCO Mark 87 Swager:

Die Size: 2" x 3 1/2"

Open Channel Dies for SS Fittings: 1/8" - 7/8"

Tapering Dies for Carbon Steel Sleeves: 1/4" - 3/4"

Ferrule Dies: Midget

Forged Socket Dies: 1/4" - 5/8"

Note: Dies are not included with the swager. ESCO Mark 87 dies are only interchangeable with other ESCO 87 swager dies.

Note: See ESCO Swage Instruction Manual for proper die selection and swage techniques.

Please call 1.800.227.3726 for swager pricing

Mark 100 Swager



Electrically operated foot controls provide precise control. Controls can be positioned for maximum operator comfort.



Sight glass indicates the hydraulic oil level and temperature.



Convenient, easy-to-read gauge indicates when oil filter needs service.

Specifications:

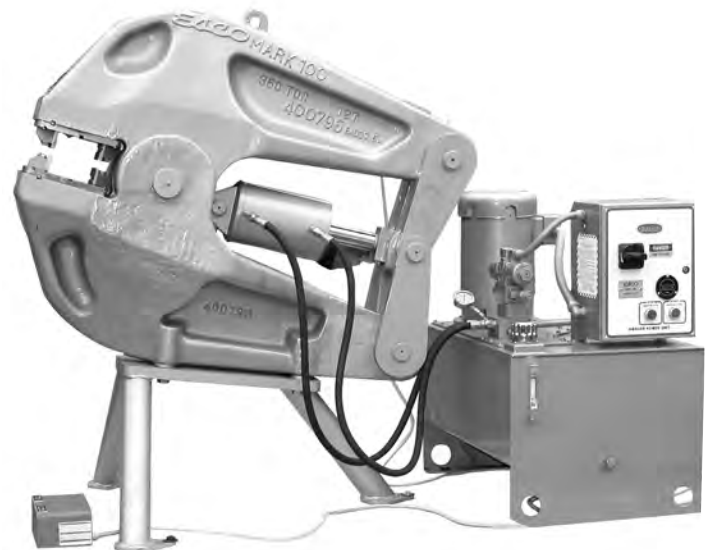
MK 100 Swager (Part No. 4090045)

Weight	3120 lb / 1415 kg
Swager height	54" / 1372mm
Swager width	42" / 1067mm
Swager length	52.5 / 1334mm
Die work height from floor	38" / 965mm
Cylinder diameter	6.5" / 165mm
Recommended floor area (Swager and Power Unit)	6' x 10' / 1.8m x 3.0m

Hydraulic Power Unit

Weight (dry)	470 lb / 213 kg
Power unit length	36" / 915mm
Power unit width	24" / 610mm
Power unit height	45" / 1143mm
Motor	10HP / 7.5kW
Electrical service	230-460V, 3 phase, 60HZ
Rated current	26.8amps @ 230 / 13.4amps @ 460
Reservoir	30 US Gal / 113 liters
Output - single vane pump	12 GPM - 2150 PSI / 45.5 LPM - 145 BAR

Swaging Capabilities Sleeves	Ferrules
SS 1pc 1"	Midget, Dwarf, Bantam
SS 2pc 1"	
SS Sing. 3/4"	Sockets
CS Sing. 1"	SS 3/4"



Dies for ESCO Mark 100 Swager:

Die Size: 2½" x 5"

Open Channel Dies for SS Fittings: 1/8" - 1"

Tapering Dies for Carbon Steel Sleeves: ¼" - 1"

Ferrule Dies: Midget, Dwarf, Bantam

Forged Socket Dies: ¼" - ¾"

Note: Dies are not included with the swager. ESCO Mark 100 dies are only interchangeable with other ESCO 100 swager dies.

Note: See ESCO Swage Instruction Manual for proper die selection and swage techniques.

Please call 1.800.227.3726 for swager pricing

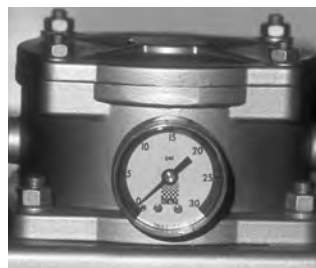
Mark150 Swager



Electrically operated foot controls provide precise control. Controls can be positioned for maximum operator comfort.



Sight glass indicates the hydraulic oil level and temperature.



To simplify maintenance, the power unit features a filter gauge to indicate when the filter should be changed.



Autolube system is standard eliminating manual lubrication.

Specifications:

MK 150 Swager (Part No. 4134030)

Weight	6344 lb / 2878 kg
Swager height	61" / 1549mm
Swager width	43" / 1092mm
Swager length	45" / 1143mm
Die work height from floor	43" / 1092mm
Cylinder diameter	6.5" / 165mm
Recommended floor area (Swager and Power Unit)	10' x 10' / 3.0m x 3.0m

Hydraulic Power Unit

Weight (dry)	610 lb / 277 kg
Power unit length	36" / 915mm
Power unit width	24" / 610mm
Power unit height	45" / 1143mm
Motor	10HP / 7.5kW
Electrical service	230-460V, 3 phase, 60HZ
Rated current	26.8amps @ 230 / 13.4amps @ 460
Reservoir	50 US Gal / 189 liters
Output - double vane pump	27 / 8 GPM - 2100 PSI / 1 / 30 LPM - 145 BAR

Swaging Capabilities Sleeves	Ferrules
SS 1pc 1"	Midget, Dwarf, Bantam, Light & Junior
SS 2pc 1½"	
SS Sing. 1¼"	Sockets SS 1-1/8"
CS Sing. 1½"	



Dies for ESCO Mark 150 Swager:

Die Size: 2½" x 5"

Open Channel Dies for SS Fittings: 1/8" - 1½"

Tapering Dies for Carbon Steel Sleeves: ¼" - 1½" *

*Carbon steel sleeves 1" and larger should be pressed in standard open channel dies before being pressed in tapering dies.

Ferrule dies: Midget, Dwarf, Bantam, Light & Junior

Forged Socket Dies: ¼" - 1¼"

Note: Dies are not included with the swager. ESCO Mark 150 dies are only interchangeable with other ESCO 150 swager dies.

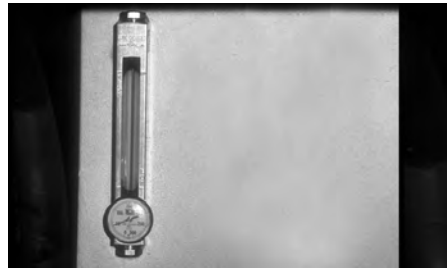
Note: See ESCO Swage Instruction Manual for proper die selection and swage techniques.

Please call 1.800.227.3726 for swager pricing

Mark250 Swager



Electrically operated foot controls provide precise control. Controls can be positioned for maximum operator comfort.



Sight glass indicates the hydraulic oil level and temperature.



To simplify maintenance, the power unit features a filter gauge to indicate when the filter should be changed.

Specifications:

MK 250 Swager (Part No. 4062217)

Weight	19,500 lb / 8845 kg
Swager height	74" / 1880mm
Swager width	54" / 1372mm
Swager length	96" / 2438mm
Die work height from floor	44¼" / 1124mm
Cylinder diameter	10" / 254mm
Recommended floor area (Swager and Power Unit)	12' x 12' / 3.6m x 3.6m
Standard die block size	4" x 7" / 102mm x 178mm
Optional die size	2½" x 5" / 64mm x 127mm

Note: A die adapter is required in order to use 2-1/2" x 5" dies, and system hydraulic pressure needs to be reduced to 1150PSI.

Hydraulic Power Unit

Weight (dry)	610 lb / 277 kg
Power unit length	36" / 915mm
Power unit width	24" / 610mm
Power unit height	48" / 1219mm
Motor	10HP / 7.5kW
Electrical service	230-460V, 3 phase, 60HZ
Rated current	26.8amps @ 230 / 13.4amps @ 460
Reservoir	50 US Gal / 189 liters
Output - double vane pump	27 / 8 GPM - 2100 PSI / 102 / 30 LPM - 145 BAR

Swaging Capabilities Sleeves

SS 1pc 1"
SS 2pc 2½"
SS Sing. 2¼"
CS Sing. 2½"

Ferrules

Midget, Dwarf,
Bantam, Light & Junior

Sockets

SS 2"
Forged 2"



Dies for ESCO Mark 250 Swager:

Standard Die Size: 4" x 7"

Open Channel Dies for SS Fittings: 1-5/8" - 2½"

Tapering Dies for Carbon Steel Sleeves: 1¾" - 2½"*

**Carbon steel sleeves 1" and larger should be pressed in standard open channel dies before being pressed in tapering dies.*

Forged Socket Dies: 1¼" - 2"

Optional Die Size: 2½" x 5"

Note: A die adapter is required in order to use 2-1/2" x 5" dies, and system hydraulic pressure needs to be reduced to 1150PSI.

Open Channel Dies for SS Fittings: 1/8" - 1½"

Tapering Dies for Carbon Steel Sleeves: ¼" - 1½"

Ferrule dies: Midget, Dwarf, Bantam, Light & Junior

Forged Socket Dies: ¼" - 1-1/8"

Note: Dies are not included with the swager. ESCO Mark 250 dies are only interchangeable with other ESCO 250 swager dies.

Note: See ESCO Swage Instruction Manual for proper die selection and swage techniques.

Please call 1.800.227.3726 for swager pricing

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