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car signal

door operator

door hanger

pc boards/timers

controller parts

selector parts

hoistway/hatch

guide wheels

cab products

maintenance items

escalator

electrical

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Draka Elevator Products - who we are

a Complete Source for Elevator Products and Information

Who we are

Draka Elevator Products, Inc. is dedicated to the design, manufacture and distribution of elevator and escalator cable and components. As part of Dutch cable giant Draka N.V., Draka EP's sister companies include Draka Comteq (makers of coaxial, twisted pair and fiber optic communication cables), BIW Cable Systems and Tamaqua Cable Products (power and control for heavy industry and transportation, and custom cables for a wide range of commercial and military customers). This expanding group of companies enables us to draw on a **wide range of cabling experience** to meet the ever-changing demands of the vertical transportation industry.

Draka EP's plants in the **United States as well as Germany, China, the Czech Republic, India and Spain** fabricate cables and cable assemblies for use the world over. Together, these facilities employ hundreds of people dedicated to the design and production of hoistway products for a demanding elevator world.

In order to make sure Draka EP products arrive at your worksite in a timely fashion, our **US and Canadian distribution centers** organize, package and load hundreds of orders daily. Our global distribution force (which includes partners in Africa, Australia, China, France, Japan, Germany, the Middle East, The Netherlands, Southeast Asia and the United Kingdom) makes sure that our products are available anywhere in the world.

Draka EP also offers some very **special services that speed installation**. Connectorized traveling and hoistway cable literally makes installation a 'snap.' Stripping Whisper-Flex® compensating cable at one end is another service requested by customers that saves time and money during installation.

Another convenient time and money-saving service we offer is matching our cables with electrical and mechanical components - even hand tools, should you request them - and packaging them together into **convenient installation kits**. This way, all of the cable and components needed for a complete, safe installation arrive on site according to your schedule.

Ordering Draka EP products is made simple by our family of customer service representatives who work extended hours (6 am - 8 pm ET) to answer your questions and take your orders. **Experienced application engineers** also provide telephone and on-site installation support for especially challenging jobs.

Draka EP cables are made to the **highest quality standards**. They are designed to meet fire and safety requirements of the NEC, CEC, UL and CSA. The quality system at the manufacturing facility in Rocky Mount, NC, is ISO-9001 certified.



Rocky Mount, NC Manufacturing Facility
This 150,000 sq. ft. plant is where Super-Flex®, Super-Duct®, Whisper-Flex®, flat traveling cables and trough are produced 24 hours/day.

Distribution Facilities
in California, Illinois, Mississippi, North Carolina, metropolitan NYC, Texas and Ontario (Canada) provide prompt service to all of North America.

Advanced Production and Processes
Cutting-edge equipment such as this digitally-controlled cabler permits Draka EP to manufacture to tight tolerances while enabling production to keep up with increasing demand.

Extensive Sales and Engineering Support
An early-morning call to the 1-877-DRAKA-EP results in fast response to a customer's question.

Decades of Design Experience
Advanced CAD workstations aid in transferring design concepts into manufacturing reality.

Services that Speed Installation
Kits and connectorization are services we offer to customers worldwide.

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Draka Elevator Products - what we do

Design and Manufacture Quality, Safety and Efficiency

What we do

Draka EP engineers, manufactures, packages and distributes a broad range of elevator and escalator products that meet the global demand for **high-performing, durable and safe** elevator cable and components. Each Draka EP product meets the applicable standard for its intended usage; NEC, CEC, UL, CSA, the US Department of Labor/Mine Safety or the Pennsylvania Bureau of Deep Mine Safety.

Specialty Products

Along with the items listed in this catalog, Draka EP can also manufacture products that meet your specific applications:

Special constructions - cables with custom configurations of power conductors, shielded twisted pair communication cables, coaxial CCTV video or fiber optic sub-units are available. Minimum quantities may apply. Contact Draka EP for details.

Halogen-free cables - for demanding fire-safety requirements, Draka EP can manufacture Super-Flex® traveling cable with halogen-free compositions. Call us for pricing and delivery.

Installation kits - Draka EP can assemble all the items needed to install any of our cables in one neat shipment. Cable, hanging hardware, grips, conduit, nuts, bolts, tools, even electrical tape arrive on site in one easily stored and inventoried package. Increase your on-site efficiency with Draka EP installation kits.

Connectorization - Many Draka EP hoistway and traveling cables can be connectorized for fast and easy installation. Call for details and pricing.

Customer Service

Draka EP has a complete and **dedicated customer service staff** located in Rocky Mount, NC. They can be reached by calling toll free 1-877-372-5237 (877-DRAKA EP) (+1-252-984-5100 outside the US and Canada) 6 am - 8 pm ET for product information, ordering and pricing.

Engineering and Product Support

Should you need an answer on product application, installation or capability, call our **Draka EP AnswerLine** at 1-877-372-5237 (+1-252-984-5100 outside the US and Canada) from 6 am - 8 pm ET. If you need more of a 'hands-on' response (such as training, troubleshooting or on-site evaluation), Draka EP application engineers are available to travel to your locations and assist you in every way possible.

Draka EP Installation Guides

In order to help you in the safe and efficient installation of our products, Draka Elevator Products has an experienced staff of application engineers able to assist you with any questions you may have. We also offer a series of easy-to-follow **installation guides**. Contact us for details.



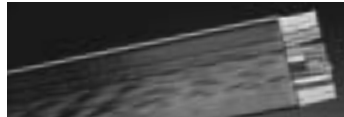
OEM and Replacement Products

Over 30,000 mechanical, electrical and hydraulic parts and components.



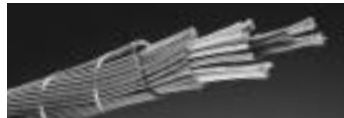
Super-Flex® Round Traveling Cable

The most popular traveling cable in the world.



Flat Traveling Cable

A durable and supple flat cable with superior performance characteristics.



Super-Duct® Hoistway Cables

Unparalleled for their safety and performance.



Whisper-Flex® Compensation Cable

The ultimate in flexible and quiet hoistway compensation.



Connectorization Services

Reduce installation time and cost.



Hoistway Hardware

We warehouse and ship all the components necessary to safely and efficiently install and maintain Draka EP products.



Tools and Electrical Components

We warehouse and ship special tools to assist in cable preparation and electronic/control components for better hoistway command and control.

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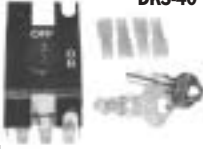


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Car Signal Components


for Dover, GAL and Haughton

This catalog lists our most popular parts; thousands of others are available. Call us or visit our web site for more information.



Dover Car Signal Components

Part Number	OEM Part Number	Description		
DB-8D	9884075, 107407	Pushbutton base assembly , 2 normally open contacts		DB-32
DB-8F-		Pushbutton assembly , complete, 2 normally open contacts Includes DB-52C lamp holder assembly and ML-57 (28V lamp) Specify marking, i.e. "DB-8F-1", and if resistor is required on lamp socket		
DB-8F-DOWN_ARROW		Pushbutton assembly, down arrow , complete, 2 normally open contacts Specify if resistor is required on lamp socket.		
DB-8F-UP_ARROW		Pushbutton assembly, up arrow , complete, 2 normally open contacts. Specify if resistor is required on lamp socket.		
DB-32	9730266, 130AD2	Lantern lens , arrow, 2-3/4" x 2-3/4" face, 3" square base		
DB-52C	9778147, 108149 9778174, 112639, 10814	Lamp holder assembly , with resistor for ML-93 (14V lamp) and ML-57 (28V lamp)		
DB-77A	9817219, 171AV1, 171AV4	Pushbutton assembly , complete, with two micro switches Includes ML-108 (28V lamp)		
DKS-35	9746055, 171AR6	Key switch , "OFF/SERV/INDEP" (9), 2 position, removable both, vertical Key #H2395		
DKS-39	9746092, 171AR10	Key switch , "OFF/ON" for car call lockout, 2 position, removable both, vertical Key #H1848		
DKS-40	9746109, 171AR11	Key switch , "OFF/ON" for car call register, 2 position, spring return, vertical Key #H1848		
DKS-41	9746110, 171AR12	Key switch , "OFF/ON" for hall register, terminal, 2 position, spring return, horizontal Key #H1848		
DKS-57A	171AP1	Microswitch , 100 gram pressure sensitivity, used with DB-77A, DKS-40 and DKS-41		

GAL Car Signal Components

Part Number	OEM Part Number	Description	
GB-1B-	RRB	Pushbutton module , button assembly complete, 2 N.O. contacts, 120V Specify marking, i.e. "GB-1B-1". Vertical or horizontal mount. Includes ML-1 (120V lamp) Black halo/mounting plate with white illuminated button with black marking Button cap 7/8" dia., halo 1-3/8" O.D., mounting holes 2" center to center	

Haughton Car Signal Components

Part Number	OEM Part Number	Description	
HB-1-	3-40080-	Pushbutton , for type H pushbutton assembly White button with black marking, face 1-3/32" dia. x 1-3/32" L Specify marking, i.e. "HB-1-3"	
HB-1B	3-40218-14	Collar , black, for type H pushbuttons	
HB-1C	3-40150-54	Switch element , 2 N.O., for type H pushbuttons Includes lamp socket, does not include ML-115 (28V lamp)	

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Car Signal Components for Kone/Montgomery, Otis and Payne

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Kone/Montgomery Car Signal Components

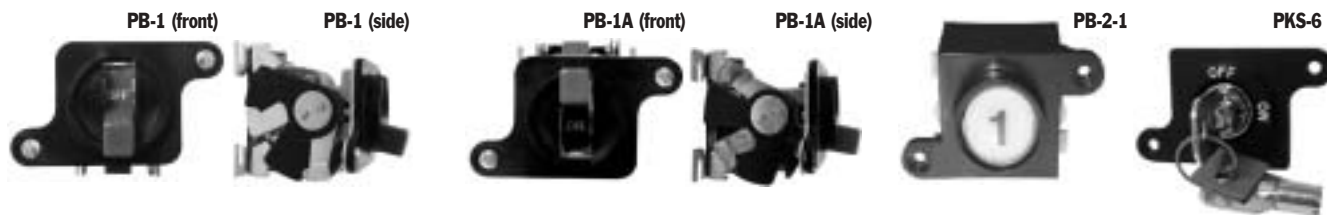
Part Number	OEM Part Number	Description		
MB-1-	P16732 P8986	Pushbutton assembly , square white button with black border, 1" x 1" Specify marking, i.e. "MB-1-ARROW", does not include MBL-1 lamp socket or ML-17 (155V lamp) or ML-18 (120V lamp)	MB-1-ARROW	MB-1A-ARROW
MB-1A-	P14426	Pushbutton and stem only , for MB-1. Specify marking, i.e. "MB-1A-ARROW"		
MB-1R-	P5249	Pushbutton assembly , circular white button 7/8" dia. Specify marking, i.e. "MB-1R-ARROW"	MB-1R-ARROW	MB-1RA-ARROW
MB-1RA-	P22207	Pushbutton and stem only , for MB-1R. Specify marking, i.e. "MB-1RA-ARROW"		

Otis Car Signal Components

Part Number	OEM Part Number	Description		
OB-60-	7069AF-	Pushbutton module , Specify marking, i.e. "OB-60-BLANK" and required p.c. board or microswitch(es)	OB-60-BLANK	
OB-78	7069AH33	Keyswitch module , inspection		OB-78
OB-78F	7069AH58	Keyswitch module , fire service, 3 pos. "ON/OFF/HOLD"		
OB-78G	7069AH48	Keyswitch module , fire service, 3 pos. "ON/OFF/BYPASS"		
OPC-18	8200KA1	PC board , for hall pushbutton, includes ML-108 (28V lamp) and socket		
OPC-18A	8200KA2	PC board , for car pushbutton, includes ML-108 (28V lamp) and socket		OPC-18

Payne Car Signal Components

Part Number	OEM Part Number	Description		
PB-1	M-2415E	Stop switch , emergency stop switch marked "ON/OFF"		
PB-1A	M-2415EA	Stop switch and alarm , 1 N.O., 1 N.C.		
PB-2-	M-2366	Pushbutton assembly , includes lamp socket, does not include ML-1 (120V lamp) Specify marking, i.e. "PB-2-1"		
PKS-6		Keyswitch , "OFF/ON" key removable in both positions		



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Car Signal Components for US and Schindler/Westinghouse

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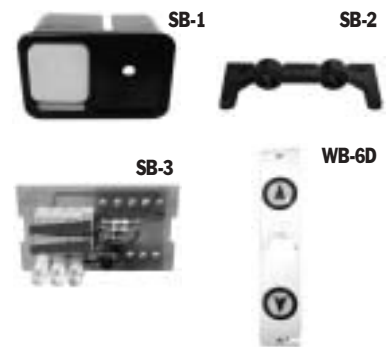
US Car Signal Components

Part Number	OEM Part Number	Description
US-B14	467-01006-007	Clear cap , square plastic button cap
US-B15A	167-03012-100	Stop switch assembly , square black molded plastic housing Red insert marked "PULL-EMERGENCY-STOP"
US-B15B	167-03013-100	Stop switch assembly , round black molded plastic housing Red insert marked "PULL-EMERGENCY-STOP"
US-B20	467-01001-007	Pushbutton housing , square black molded plastic housing
US-B32A	167-03017-100 167-03010-100	Pushbutton assembly , square black housing, white button insert Includes ML-8 (60V lamp) Specify marking, i.e. "US-B32A-DOOR OPEN"
US-B37	467-05001-007	Pushbutton housing , round black molded plastic housing
US-B38	467-05006-007	Clear cap , round plastic button cap
US-B40	167-03011-100	Pushbutton assembly , round black housing, white button insert Includes ML-8 (60V lamp) Specify marking, i.e. "US-B40-ALARM"
US-B50-BLANK	166-01020-702, 166-10034-100	Pushbutton assembly , "Soft Touch" style Blank, 24VDC if used in series, 48VDC if used alone
US-B50-SPACER-KIT	n/a	Pushbutton spacer kit , used to adapt old-style pushbutton with four wires Requires either US-PC14 for the car or US-PC15 for the hall
US-KS1-HALL		Fire service phase I , round keyswitch, "BYPASS/OFF/ON" for hall use BYPASS at 10, OFF at 12, ON at 2
US-KS3	167-03046-001	Run/stop switch , round, black, two position keyswitch to replace stop switch



Schindler/Westinghouse Car Signal Components

Part Number	OEM Part Number	Description
SB-1	8544C17G04	Pushbutton housing , with lens
SB-2	8540C58H02	Pushbutton retainer bracket
SB-3	7283C730G02	Printed circuit board assembly , for pushbutton, two microswitch type
SB-4	7283C730G01, 998C278H11	Printed circuit board assembly , for pushbutton, one microswitch type
WB-6D	2638C89G02	Hall pushbutton station , complete, type AE Does not include ML-6 (120V lamp)



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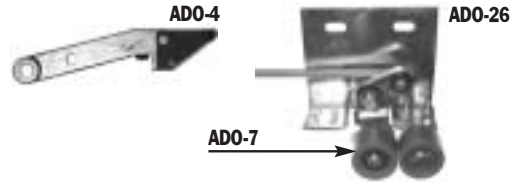
Door/Door Operator Equipment for Armor and Dover

This catalog lists our most popular parts; thousands of others are available. Call us or visit our web site for more information.

door operator

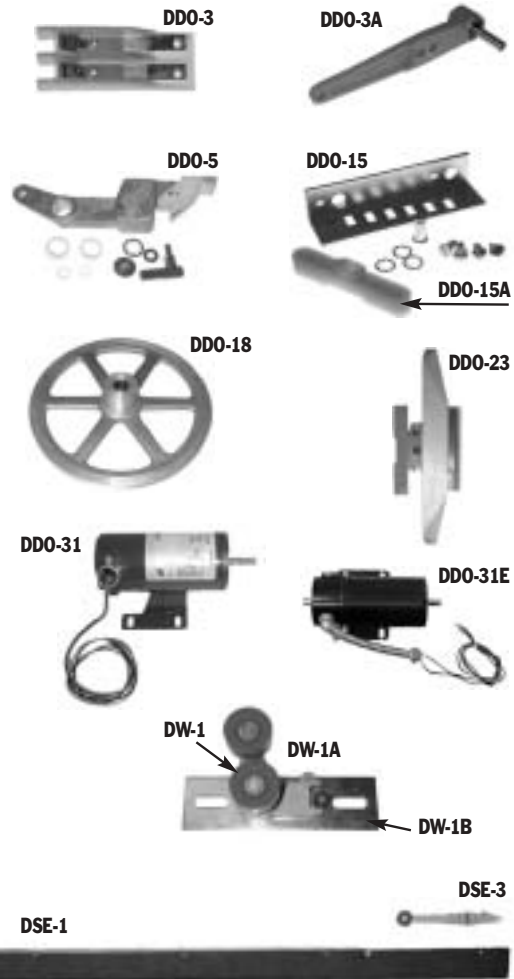
Armor Door/Door Operator Equipment

Part Number	OEM Part Number	Description
ADO-4	11905-01, B326005	Hook assembly , for #1 interlock, with replaceable contact nose
ADO-7	11921-01, A466022	Roller assembly , 1-1/4" O.D. with 2-3/4" long shaft, for lever
ADO-26	11965-01, B787003	Lever assembly , for #1 interlock, R.H.
ADO-26A	11966-01, B787004	Lever assembly , for #1 interlock, L.H.



Dover Door/Door Operator Equipment

Part Number	OEM Part Number	Description
DDO-1	9828667, 9866760	Ball joint and rod link kit , for interlock hook and Dover door clutch roller assemblies, rod 18" long
DDO-3	9838521, 9892916	Door contact base block assembly , steel spring contact blades and silver contacts on a heavy-duty insulator
DDO-3A	9838820, 40006	Idler arm with bearing , for DC-68 Mark II
DDO-5	9866760, 9838776, 9838375, 9801042, 9875219	Interlock latch assembly
DDO-18	9876686, 67668	Sheave , for DC-68 Mark II 12" for jack shaft, mounts on DDO-3A arm assembly Replaces old style 13" sheave
DDO-15	9881980, 11819	Door guide kits , door gib assembly (replaces 118192)
DDO-15A	9782114, 118190, 76345	Gib insert , for DDO-15, gib width 1/2"
DDO-22	9863862, 63856, 9951568, 127235	Clutch assembly , L.H.
DDO-23	9863898, 63891, 9951570, 127236	Clutch assembly , R.H.
DDO-31	9746602	Permanent magnet door motor , 1/6 HP, 230VDC, 1140 RPM Shaft 1/2", uses DCH-17 brush
DDO-31E	9801704, 141707	Door motor , 1/6 HP, 1140 RPM, 115VDC, uses DCH-18 brush
DW-1	9838351, 63835, 9845781	Roller kit , for door pickup roller assembly, 1-5/8" O.D. roller Includes roller, bushing, washers and retaining ring
DW-1A	9875268, 47525, 47526	Pick-up roller assembly , with steel mounting base Assembled L.H. (interchangeable L.H. or R.H.)
DW-1A-R	9875256, 47525	Pick-up roller assembly , with steel mounting base Assembled R.H. (interchangeable R.H. or L.H.)
DW-1B	9897641, 29764	Steel base , for DW-1A assembly
DSE-1	9851331, 9881815	Safety edge nosing , gray, 81-3/4" x 3-1/4"
DSE-1A	9851331, 9881815	Safety edge nosing , black, 81-3/4" x 3-1/4"
DSE-3	9818248, 118249	Actuating arm assembly



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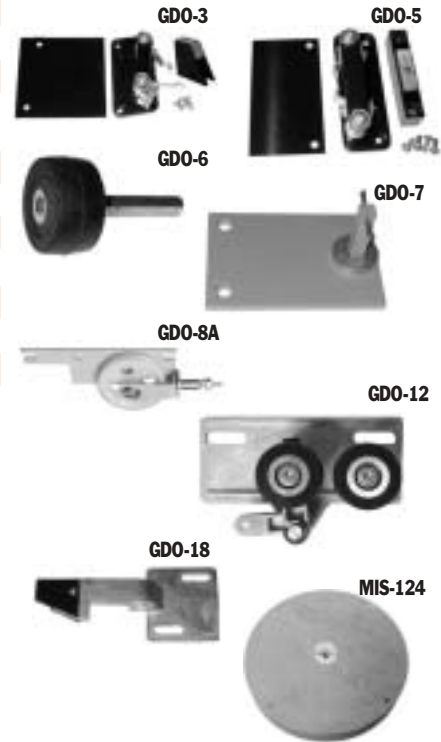
Door/Door Operator Equipment for GAL and Houghton

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door operator

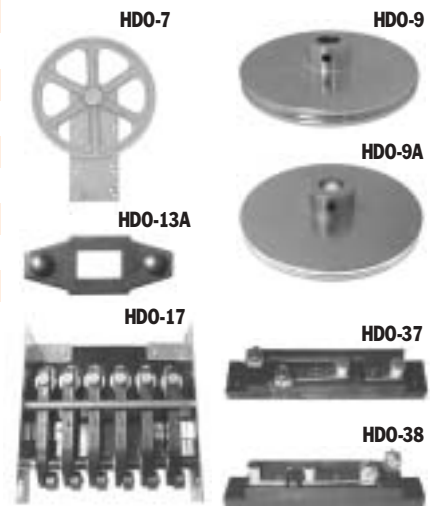
GAL Door/Door Operator Equipment

Part Number	OEM Part Number	Description
GDO-3	INT-1-15RH(MOKT)	Door contact kit , R.H. includes GDO-3C contact
GDO-3A	INT-1-15LH(MOKT)	Door contact kit , L.H. includes GDO-3C contact
GDO-5	SWC-1-445, SW-1-15	Gate contact kit , for GDO-16 gate switch
GDO-6	INT-1-10	Pick-up roller , replacement for door pick-up roller assemblies Roller 1-1/2" O.D. with 1 5/8" shaft
GDO-7	CL6-0003N	Spirator bracket , 3-1/2" x 2-1/2"
GDO-8A	C/PHH-3-6RH	Tension pulley assembly , R.H., (shown)
GDO-8B	HH-3-6LH	Tension pulley assembly , L.H.
GDO-12	INT-1-9-1RH	Pick-up roller assembly , MOM Horizontal Release, R.H. (shown)
GDO-12A	INT-1-9-1LH	Pick-up roller assembly , MOM Horizontal Release, L.H.
GDO-18	INT-2-23	MOCP keeper , fixed for center parting doors
MIS-124	n/a	Spirator , reel closer with cable, for square shaft, universal mounting



Houghton Door/Door Operator Equipment

Part Number	OEM Part Number	Description
HDO-7	3-40151-14	Drive sheave , 12" assembly for two-speed doors
HDO-8	3-40132-72	Drive sheave , 12" assembly for HDO-7, 6 " J" grooves
HDO-9	3-40132-68	Sheave , 4" cable drive sheave
HDO-9A	3-40132-69	Idler sheave , for T1 operator
HDO-9B	n/a	Cable , 1/8" return idler sheave assembly
HDO-13A	3-40304-67	Moving contact bridge , silver
HDO-17	10084	Contact assembly , (6 sets) for limit switch
HDO-37	3-40117-56	Contact , R.H., stationary, M. interlock
HDO-38	3-40117-57	Contact , L.H., stationary, M. interlock



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Door/Door Operator Equipment for Kone/Montgomery and Otis

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Kone/Montgomery Door/Door Operator Equipment

Part Number	OEM Part Number	Description
MDO-4	MAP142	Contact bridge , movable contact
MDO-4A	MAP146	Bridging contact , complete assembly
MDO-5	P10615, MA1142	Door pickup roller , 2" dia.
MDO-6	MA1204	Lift rod , 5/16" dia. x 44" long
MDO-7	MAP131	Upthrust roller , with eccentric pin
MDO-10	P22106	Steel interlock hook
MDO-11	40594	Contact , leaf with 3/8" silver contact
MDO-12	A46223, B47135, B49711, P15765, P16364, P24172, P24173	Power board
MDO-15	MAP418	Pick-up assembly , R.H./L.H. interchangeable
MDO-60	A40593	Hook and shorting bar assembly
MDO-61	MAP144	Interlock assembly , R.H./L.H.
MW-9	P31316, MAP316	Pick-up assembly , R.H./L.H. interchangeable



Otis Door/Door Operator Equipment

Part Number	OEM Part Number	Description
ODO-3	288LV1	Hoistway door lever
ODO-41D	456BY1	Roller , 1-5/8" diameter with nylon bushing (60 durometer polyurethane replaces sponge rubber type)
ODO-47	320BE2	Bumper roller , for chain of 7300 door operator, polyurethane
ODO-70	2220D16	Door gib , 8" assembly complete, includes ODO-71A
ODO-71	2213R1	Door gib , 6-1/4" assembly complete, includes ODO-71A
ODO-71A	251BJ1	Gib insert , 3", for ODO-70 and ODO-71
ODO-73	321CV1	Escutcheon , door sleeve, stainless steel, 2-3/4"
ODO-78	332BC2	Chain assembly with studs , for 7300 door operator
ODS-1	278BG2, 278BG3, 278BG10, 278BG11	Hoistway door shield , L.H./R.H., 84" long (shape 50ACV)



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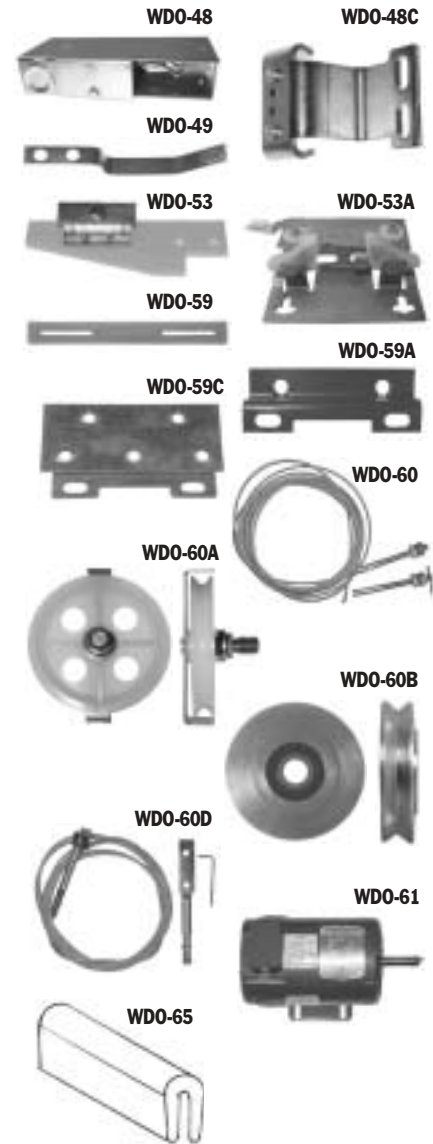
Door/Door Operator Equipment for Schindler/Westinghouse

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door operator

Schindler/Westinghouse Door/Door Operator Equipment

Part Number	OEM Part Number	Description
WDO-48	196C527G01	Interlock complete assembly , E5 and E5A, R.H. or L.H.
WDO-48C	197C534H03	Bracket , triple bend
WDO-49	682A227G01	Contact blade with silver tip
WDO-53	682A244H01 682A245G01	Nose and contact assembly , R.H. (shown)
WDO-53A	5194D85G01	Complete drive block assembly , R.H. (shown)
WDO-53B	5194D85G02	Complete drive block assembly , L.H.
WDO-54	682A245G01 682A244H01	Nose and contact assembly , L.H.
WDO-59	146A746H01	Nylon gib refill , for WDO-59A, B, C, D and E, 4" long
WDO-59A		Offset door gib with 1/2" offset, 3-1/2" long
WDO-59C		Solid gib bracket , 4" long x 2-1/2" wide, straight, no offset Uses gib WDO-59
WDO-60	576B858G01	Door relating cable , 12' long with two studs
WDO-60A	151B465G04	Relating cable sheave , nylon 2-3/4" dia. with bracket and mounting shaft
WDO-60B	682A143G01	Pulley , aluminum, 2-3/8" O.D., 0.3937" I.D., for relating cable
WDO-60D	5063A83G01	Cable kit , 8-1/2' long, 1/8" dia. cable with connecting hardware
WDO-61	681A554H01 146A444H01	Door motor , 1/6 HP, 2000 RPM, 125VDC, 1.3 amp, shunt wound
WDO-65	569A844H01	Nylon track liner , sold in 12' length or cut to your specifications
WDO-65B	n/a	Nylon track liner , sold in 8' length



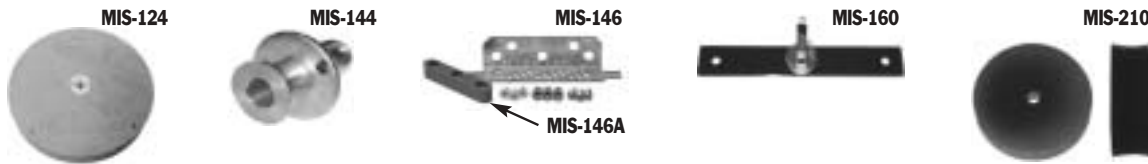
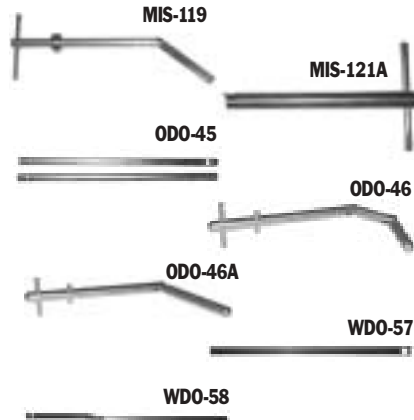
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Door/Door Operator Equipment for Generic

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Door Keys and Generic Door/Door Operator Equipment

Part Number	OEM Part Number	Description
MIS-119	n/a	Flapper key with collar , for Montgomery, Dover, Haughton and GAL
MIS-121A	n/a	GAL door key , Type M for swing doors
ODO-45	n/a	Lunar key , for Otis, 10-1/2" emergency hoistway
ODO-46	n/a	Door key , for Otis, double drop
ODO-46A	n/a	Door key , for Otis, single drop
WDO-57	n/a	Lunar key , for Westinghouse, 6" long
WDO-58	n/a	T-Key , for Westinghouse, 9" long
MIS-124	n/a	Spirator , reel-type door closer, 5" diameter with square mounting hole
MIS-144	n/a	Escutcheon , hall door key hole, 1-3/4" long for 3/8" dia. keys 7/16" I.D., 15/16" O.D., 1-1/4" long threaded
MIS-146	n/a	Gib kit , 15/32", includes bracket, 2-3/4" L gib and hardware, two fire tabs
MIS-146A	n/a	Door gib , 15/32", durable 2-3/4" L replacement gib
MIS-160	n/a	Bracket with square shank , for MIS-124 spirator
MIS-210	n/a	Rubber protective key collar , 2" dia. x 1/2" x 3/8" I.D.



new SmarTRAQ™ Upgrade Kit with Limitless Closed Loop Control by MCE

Part Number	Manufacturer and Model SmarTRAQ Door Operator	Part Number	Manufacturer and Model SmarTRAQ Door Operator
UPG-001	For ARMOR , model C4	UPG-14	For HAUGHTON , model TH
UPG-002	For DOVER , model DC	UPG-15	For ECL , models 895 and 1000
UPG-003	For DOVER , model HD	UPG-16	For MAC , all series (two door bumpers required)
UPG-004	For GAL , all models (two door bumpers required)	UPG-17	For WESTINGHOUSE , series EZ (two door bumpers required)
UPG-005	For Haughton , model T and T1		
UPG-006	For OTIS , model 6970		
UPG-007	For OTIS , model 7300		
UPG-008	For OTIS , model 7782		
UPG-009	For WESTINGHOUSE , series A and AA		
UPG-010	For WESTINGHOUSE , series B, BB and BB2		
UPG-011	For WESTINGHOUSE , series E		
UPG-012	For WESTINGHOUSE , series HY		

Door operators in this column are available within 24 hours and are drop-shipped to jobsite.



Motion Control Engineering's SmarTRAQ™ door operator upgrade kit offers 'limitless closed loop technology' to convert popular door operators to true closed loop operation with distance/velocity feedback while compensating for varied door mass, wind loads and system friction. Their 'limitless' design dramatically reduces installation time, maintenance and problems associated with mechanical limit adjustment. They also permit you to keep the existing door operator. The system is A17.1, CSA-B44.1 compliant.

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Door/Door Operator Equipment for Generic

Formula Systems' Infrared Light Curtain Systems

Part Number	Description	Information
FDS-0547US05	SafeScreen light curtain/interface	1.18 x 0.78 in • 30 x 20 mm profile with 47 beam paths Interface is selectable 115/230 VAC, signal output is volt-free changeover relay contacts
FDS-1047US05	SafeZone 3D light curtain/interface	0.63 x 1.42 in • 16 x 36 mm profile with 10 3D zones and 47 beam paths Interface is selectable 115/230 VAC, signal output is volt-free changeover relay contacts
FDS-0735US05	SlimScreen light curtain/interface	0.35 x 1.02 in • 9 x 26 mm profile with 35 beam paths Interface is selectable 115/230 VAC, signal output is volt-free changeover relay contacts

The SafeScreen light curtain is designed specifically for the North American market with 47 non-parallel infrared beam paths in a 1.18 x 0.78 in • 30 x 20 mm profile to insure safe elevator operation. The light curtain includes a rugged and easily-installed interface equipped with multi-function buzzer/nudging.

The SafeZone 3D light curtain combines both 3D and 2D sensing for superior safety. Ten 3D zones and 47 2D non-parallel beam paths are packaged in a 0.63 x 1.42 in • 16 x 36 mm profile.

The SlimScreen light curtain is designed primarily for Euro/Pacific Rim installations and features a non-parallel array of 35 infrared beam paths in a 0.35 x 1.02 in • 9 x 26 mm profile.

All light curtain kits come complete with the multi-function **FPS 0271 universal interface** and an installation kit.



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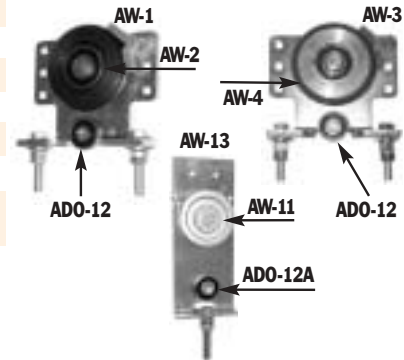
Door Hanger Equipment

for Armor, Dover, GAL and Haughton

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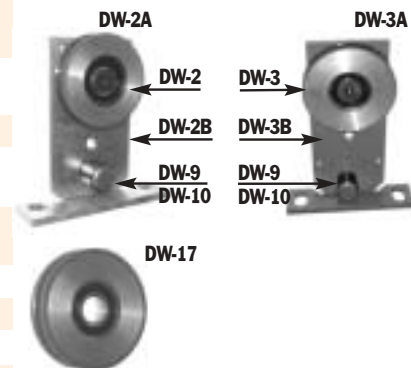
Armor Door Hanger Equipment

Part Number	OEM Part Number	Description
AW-1	12103-01, B733004	Hanger assembly , with 3-1/4" O.D. steel roller
AW-2	11930-01, B025014	Roller , steel, 3-1/4" O.D.
AW-3	12103-01, B733004	Hanger assembly , with 3-1/4" O.D. polyurethane roller
AW-4	B491115	Roller , polyurethane, 3-1/4" O.D.
AW-11	11929-01, A491101	Sheave , 3-3/8" O.D., 0.6693" I.D., #7 car door hanger for concave track
AW-13	12419-01, C748003	Sheave assembly , for #7 car door hanger
ADO-12	11971-01, A776005	Eccentric upthrust roller , steel roller, 1-1/16" O.D. For #4 hatch door hanger assembly
ADO-12A	11972-01, A776010	Eccentric upthrust roller , steel roller, 1-1/2" O.D.



Dover Door Hanger Equipment

Part Number	OEM Part Number	Description
DW-2	9838302 63830	Hatch door hanger roller , with 2-7/8" O.D., 0.6693" I.D. Aluminum with polyurethane tire
DW-2A	9838340	Hanger assembly , low pocket, consists of frame DW-2B, Hanger roller DW-2, eccentric upthrust shaft DW-9 and roller tire DW-10
DW-2B	9752249	Frame , low pocket hanger
DW-3	9864295	Hanger roller , with 3-5/16" O.D., 0.6693" I.D., Aluminum with polyurethane tire
DW-3A	9838533	Hanger assembly , high pocket, consists of frame DW-3B, Hanger roller DW-3, eccentric upthrust shaft DW-9 and roller tire DW-10
DW-3B	9752158	Frame , high pocket hanger
DW-9	9752160	Eccentric upthrust shaft , 3/4" O.D., 1-3/8" long, for DW-10
DW-10	9875426, 67542	Roller tire assembly , for DW-9
DW-17	9861245	Hanger roller , with 3-1/4" O.D. Aluminum wheel with urethane tire for assembly #66137



GAL Door Hanger Equipment

Part Number	OEM Part Number	Description
GDO-2A	OS-NM HH10-0041N (wheel)	Door hanger roller assembly , including nylon wheel 2-1/4" O.D. x 9/16" W Mounting bracket and hardware required to replace old-style steel roller
GDO-2S	HH-1-2D	Door roller , 3-1/4" O.D. with 1/2" I.D. bushing, replacement for hanger assemblies
GDO-2SK		Hardware kit , including a GDO-2S door roller and a GDO-2-XHDW-KIT
GDO-2-XHDW-KIT		Hardware kit , for GDO-2S



Haughton Door Hanger Equipment

Part Number	OEM Part Number	Description
HW-6	3-40130-77, 3-40130-79	Hanger roller , for B-4 hanger, 3-5/16" O.D. x 5/8" I.D.
HW-7	3-40157-63	Hanger roller , 3-11/16" O.D., 0.6299" I.D.



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Door Hanger Equipment

for Generic, Kone/Montgomery, and Otis

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Generic Door Hanger Equipment

Part Number	OEM Part Number	Description
MIS-195		Door hanger roller , Williamsburg-style, 3-3/8" O.D., x 7/8" W steel roller With 1/2" flat nylon track, eccentric threaded shaft 1/2-20 fine x 3/4" long
MIS-195A		Door hanger roller , 3-3/8" O.D., x 7/8" W steel roller with convex nylon track 1/4" radius tire face, with eccentric threaded shaft 1/2-20 fine x 3/4" long



door hanger

Kone/Montgomery Door Hanger Equipment

Part Number	OEM Part Number	Description
MW-7	MAP341	Hatch door roller , 2-7/8" dia.
MW-8	MAP344, P31344	Car door roller , 3-11/16" dia.
MW-8E	P22237	Car door roller , similar to MW-8 but with eccentric



Otis Door Hanger Equipment

Part Number	OEM Part Number	Description
OW-1	456DH1	Door hanger roller , 3-3/8" O.D. x 13/16" W poly tire with eccentric 1/2" NF threaded shaft
OW-11S	A456W1	Door hanger roller , 3-1/4" O.D. x 11/16" W, 1/2" I.D. Steel roller with polyurethane tire
OW-13	456CC1	Steel door roller , 2-3/4" O.D. x 3/4" W, 0.7872" I.D., for OW-23
OW-13A	456CC1	Door roller , like OW-13 but with polyurethane tire, for OW-23
OW-18A	A456EA1	Hanger roller , 11/16" wide, for 6178A assembly, steel with polyurethane tire
OW-19A	456G1, 456EP2	Door roller kit , bolt and washer, 2-1/4" O.D., 3/4" I.D. Replacement roller kit for OW-19 hanger assembly
OW-23	389J2	Hanger assembly , for type B and 7087



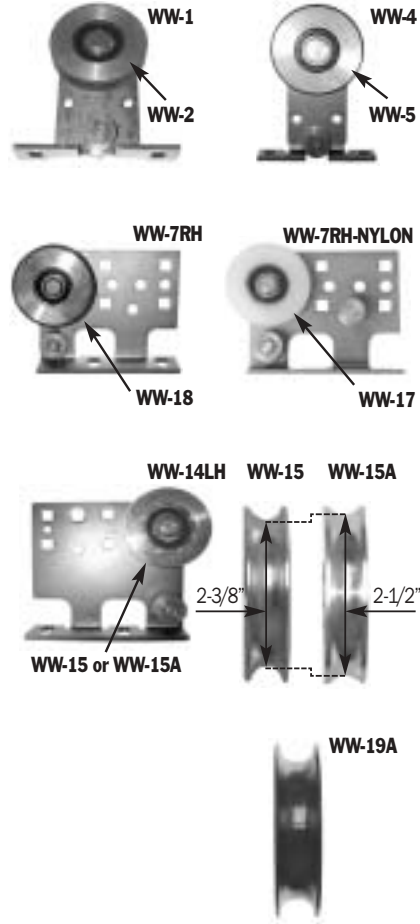
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Door Hanger Equipment for Schindler/Westinghouse

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Schindler/Westinghouse Door Hanger Equipment

Part Number	OEM Part Number	Description
WW-1	T5411G99	Hanger assembly , complete for flat track For type B3M hanger
WW-2	R8858G98 R8858G01	Hanger roller , 3-3/8" diameter, aluminum with polyurethane tire For type B3M hanger
WW-4	T5409G99	Hanger assembly , For type A3M hanger
WW-5	R8636G98 R8636G01	Hanger roller , 4-3/8" diameter, 1-1/8" bearing Aluminum with polyurethane tire, fits square rail For type A3M hanger
WW-7RH	M7405G99	Hanger assembly , complete, R.H. with WW-18 roller For type ACD/ACN hanger
WW-7LH	M7405G99	Hanger assembly , complete, L.H. with WW-18 roller For type ACD/ACN hanger
WW-7RH-NYLON	M7405G3, G5	Hanger assembly , complete, R.H. with WW-17 nylon roller For type ACD/ACN hanger
WW-7LH-NYLON	M7405G4, G6	Hanger assembly , complete, L.H. with WW-17 nylon roller For type ACD/ACN hanger
WW-12	323C235G02	Hanger roller , 4-1/4" O.D., 6204 bearing .7874" I.D. Aluminum with polyurethane tire For type AC2 hanger
WW-14RH	325C798G01	Hanger assembly , R.H. For type ACA hanger
WW-14LH	325C798G02	Hanger assembly , L.H. For type ACA hanger
WW-15	325C798G09	Aluminum roller , 2-3/4" O.D., with deep concave For type ACA hanger
WW-15A		Aluminum roller , 2-3/4" O.D., with shallow concave For type ACA hanger
WW-16	325C798G10	Uphrust roller For type ACA hanger
WW-17	576B535G04	Nylon roller , 2-3/4" diameter, .5906" I.D. For type ACD/ACN hanger
WW-18	576B535G98	Aluminum hanger roller , 2-3/4" O.D. , with polyurethane tire For type ACD/ACN hanger
WW-19A	7266C86G01	Steel hanger roller , 3" O.D. x 3/4" W



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PC Boards and Timers for Armor and Dover

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Armor Timer Modules

Part Number	OEM Part Number	Description
APC-1	12581-01, C058-8261-01, ML42318-2S-250V, 12582-01, C058-8261-02, ML42318-6S-250V	Timer module , 0.1 - 5 second range, stud mount timer, 250VDC
APC-4	12589-01, C058-8261-04, ML42318-2S-110V, 12590-01, C058-8261-05, ML42318-6S-110V	Timer module , 0.5 - 5 second range, stud mount timer, 110VDC
APC-8	12583-01, ML42343-2A, C058-8262-01, 12584-01, C058-8262-02, 12585-01, ML42343-15A, C058-8262-03, ML42343-60A, 12586-01, C058-8262-04, ML42343-180A	Timer module , 0.1 - 180 second range One potentiometer, plug-in style, 110VDC
APC-11	12587-01, C058-8263-01, ML42338-15A, ML42361-15A	Timer module , 1 - 10 second range Three potentiometer, plug-in style, 110VDC NOTE: Replaces two potentiometer timer



APC-1

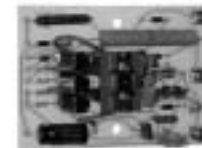


APC-11

pc boards/timers

Dover PC Boards and Timer Modules

Part Number	OEM Part Number	Description
DPC-9	9781870, 111973, 68187	Reverse phase relay , for hydraulic elevators
DPC-12	9879675, 67967, 113149, 111207, 76785	Rectifier , 3 phase, to 300VDC, 3 amp
DPC-21	9852037, 124566, 9852001, 9852803, 05201, 65280	Timer , 0.1 - 260 second range, 110VAC
DPC-22	9852049, 124561, 9815284, 9852797, 101528, 65278, 68536, 9885365, 9805278, 105238, 102313	Timer , 0.1 - 260 second range, 20 - 60VDC
DPC-28	9728375, 62837-1, 78230	Timer , 0.1 - .25 second range, 115VAC, used on "SET" Traction
DPC-33	9713335, 113336	Digital readout PC board
DPC-37	9818420, 118412	Emergency light PC board
DPC-39	9812258, 112267, 112264	Emitter/detector assembly , for traction elevators, original version
DPC-39A	124945, 124942	Emitter/detector assembly , for traction elevators, updated version
DPC-39A-D	124942	Detector PC board , for traction elevators, mounting holes .156 dia.
DPC-39H	9840138	Emitter/detector assembly , for traction elevators, w/amplifier & filter
DPC-43	9715289, 9719842, 115298	Rectifier assembly , 3 phase, to 300VDC, 18 amp
MIS-194B	9880719	Battery , 7AH, 6V replacement for emergency light



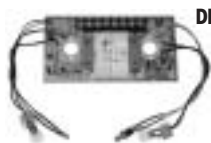
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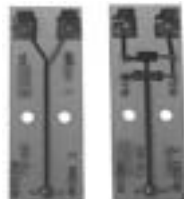
DPC-21



DPC-33



DPC-37



DPC-39



DPC-39H



DPC-43



MIS-194B

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PC Boards and Timers

for GAL, Kone/Montgomery and US

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GAL Timer Modules

Part Number	OEM Part Number	Description
GT-2	10121-1 10121-3	Solid state timer , replacement for single and double potentiometers 2.5 - 640 second range, includes adapter kit Replaces tube-type timers #10041-1, #10041-2, #10041-3 and #10041-4



GT-2

Kone/Montgomery Timer Modules

Part Number	OEM Part Number	Description
MRP-12A	P16553	Timer , 0 - 2 minute range, 120VAC. Replaces P8555, P8556 and P12731
MRP-20	PN47261	Timer , plug-in, 0.2 - 10 second range
MRP-21	PN47262	Timer , plug-in, 1.2 - 120 second range
MRP-22	PN47263	Timer , plug-in, 0.9 - 90 second range, 120VAC external adjustment

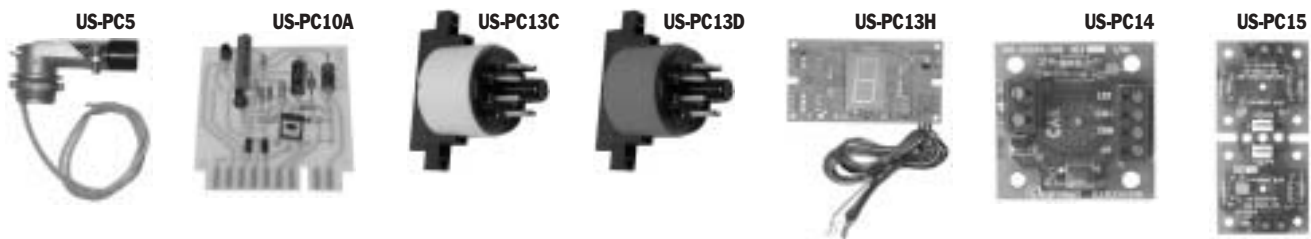


MRP-12A

MRP-20

US PC Boards and Timer Modules

Part Number	OEM Part Number	Description
US-PC5	144-00019-001	Receiver , photo cell sensor
US-PC10A	145-05064-301	Timer , 0.5 - 5 second range
US-PC13	144-00067-001	Timer , internal relay, N/C 0.5 - 60 second range
US-PC13A	145-05064-304	Timer , N/C 0.5 - 60 second range
US-PC13C	144-00099-001	Adapter , white, for 0.5 - 5 and 0.5 - 60 second range timers
US-PC13D	144-00099-002	Adapter , grey, for N/O, N/C and reversed phase timers
US-PC13H	154-05005-301	Position indicator PC board , horizontal, single
US-PC14	146-05054-300	PC board , for car, used on "Soft Touch" series
US-PC15	146-05055-300	PC board , for hall, used on "Soft Touch" series



US-PC5

US-PC10A

US-PC13C

US-PC13D

US-PC13H

US-PC14

US-PC15

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Controller Parts/Contacts

for GAL, Haughton, Payne and Schindler/Westinghouse

This catalog lists our most popular parts; thousands of others are available. Call us or visit our web site for more information.

GAL Contacts

Part Number	OEM Part Number	Description
GRP-6		Copper contact , 1-3/4" O.D. x 3/8" thick with 1" long stem
GRP-7		Copper contact , 1-1/2" O.D. x 5/16" thick, 1" long stem
GRP-8		Copper contact , 1" O.D. x 5/16" thick, 1" long stem
GRP-9		Carbon contact , 1-3/4" O.D. x 1"
GRP-10		Carbon contact , 1-1/2" O.D. x 7/8"
GRP-11		Carbon contact , 1" O.D. x 3/4"



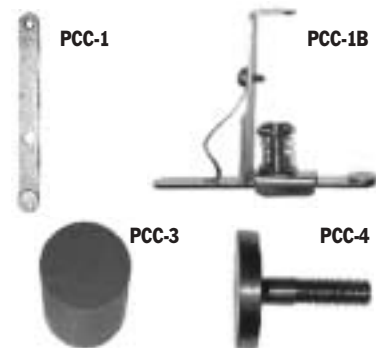
Haughton Contacts

Part Number	OEM Part Number	Description
HRP-13	10062	Contact assembly , 2 N.O., for type "F" magnet switch
HRP-24	3-10062-13	Movable contact assembly , 2 N.O. and 2 N.C. contacts May be rearranged in the field to suit



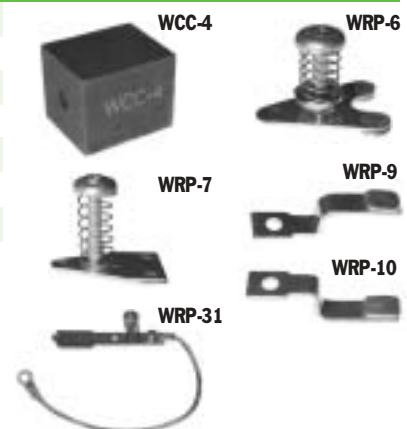
Payne Contacts

Part Number	OEM Part Number	Description
PCC-1	M-1607	Contact finger , 3-3/8" long x 3/8" wide
PCC-1B	M1656	Contact assembly
PCC-3	K-2839	Carbon contact , 1-3/16" dia. x 3/4" long (makes with PCC-4)
PCC-4	K-2840	Copper contact , 1-1/4" O.D. x 5/16" thick, 5/16" dia. x 1-3/8" long stem



Schindler/Westinghouse Contacts

Part Number	OEM Part Number	Description
WCC-4	K4495H01	Square carbon contact , 5/8" x 5/8" x 3/4", with 9/64" hole for 6-32 screw
WRP-6	K4277G01	Movable contact , heart-shaped movable contact for 6B, CR and TC relays
WRP-7	K7310G01	Contact bridge assembly , for EC control relay
WRP-9	630B611G01	Stationary contact , for EC control relay, top make or bottom break
WRP-10	630B611G02	Stationary contact , for EC control relay, top break or bottom make
WRP-31	M4522G2	Contact , with shunt-MAKE, for 6B contactors
WRP-32	M4522G5	Contact , with shunt-BREAK, for 6B contactors



controller parts

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Controller Parts/Relays

for specific manufacturers

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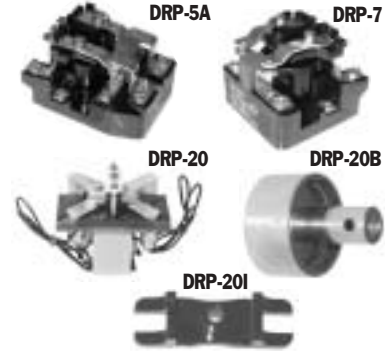
Armor Relays

Part Number	OEM Part Number	Description
ARP-20	10442-01, B756006, A150-8001-01	Movable auxiliary contact assembly For #1 relay, #1 contactor, #3A contactor and #5A contactor



Dover Relays

Part Number	OEM Part Number	Description
DRP-5A		Relay with magnetic blowout , DPDT, 48VDC
DRP-7	9769018, 76901	Relay with magnetic blowout , DPST, 48VDC
DRP-13A	9909151	Relay with magnetic blowout , DPST, 12VDC
DRP-20	9871184, 77118	Contact , 48VDC coil, SPDT, make before break contacts, for #15 Switch
DRP-20A	9871196, 77117	Contact , 48VDC coil, SPDB contacts, for #14 Switch
DRP-20B	35893	Moving core
DRP-20I	10074	Cradle block



GAL Relays

Part Number	OEM Part Number	Description
GRP-1	LC-25-#8	Movable contact , L.H.
GRP-2	LC-25-#7	Movable contact , R.H.
GRP-3	LC-16-#22	Stationary contact , silver, 3/8" dia., 3/4" thread length, 15/16" O.L.
GRP-4	LC-16-#23	Stationary contact , carbon, 3/8" dia., 3/4" thread length, 1-1/4" O.L.



Haughton Relays

Part Number	OEM Part Number	Description
HRP-67	3-40155-38	Telephone type relay , C-type contact, 6 NO, 2 NC, 2 SPDT For Haughton replacement coil 3-40155-15, 120 VDC

IBM Relays for Dover and US - other IBM relays are available

Part Number	OEM Part Number	Description
PR-30	769489, 9767540, 76754 (Dover) 930-35019-000 (US)	Relay , IBM 4PDT, 48VDC, for Dover and US elevators

Kone/Montgomery Relays

Part Number	OEM Part Number	Description
MRP-10	16929	Solenoid coil assembly , 110V
MRP-11A	P4349	Contact assembly , 6 contacts arranged 2-3-5 N.O., 1-4-6-N.C. Includes 10" stem part #23247
MRP-120	P16723	Relay assembly , 4 PDT, with harness and bracket Replaces leaf-type Guardian relays
PR-12	42844, 36244, 45516	Plug-in relay , 4PDT, 120VAC



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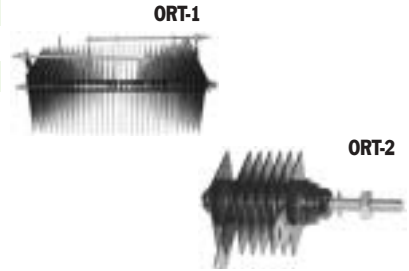
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Controller Parts/Rectifiers for Otis and Schindler/Westinghouse

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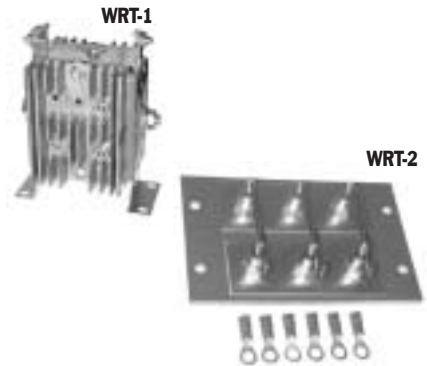
Otis Rectifiers

Part Number	OEM Part Number	Description
ORT-1	230BA1	Three phase , 30 plates, 4" x 5", 100VAC input, 130VDC output, 2000 watts
ORT-2	230AR1, 230AR2, 230AR3	Single phase , 6 plates, 1" x 1"
ORT-3	230AL3	Three phase , 30 plates, 4" x 5", 100VAC input, 130VDC output, 2000 watts
ORT-5	230BJ5	Three phase , 30 plates, 4" x 5", 100VAC input, 130VDC output, 2000 watts



Schindler/Westinghouse Rectifiers

Part Number	OEM Part Number	Description
WRT-1	195C928G01, 630B077H01, 478C156G01	Three phase rectifier , 35A, 300V
WRT-2	151B931G01	Rectifier , solid state, 20A, 300V



controller parts

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Selector Parts

for Armor, Dover and ESCO

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Armor Selector Parts

Part Number	OEM Part Number	Description
AS-2	10358-01, A363G1, A4747492	Selector brush with metal contacts , 1-11/16" For graphite KM White style selector
AS-3	10982-01, A2949	Stud , stationary contact, 1/8" diameter point x 2" overall, for KM White-style selector



AS-2



AS-3

Dover Selector Parts

Part Number	OEM Part Number	Description
DS-18	9714339, 41433	Floor bar contact , for screw-type selector, 1-3/8" L with 8-32 thread
DS-24	9813380, 101330	Switch assembly , short, 5/16" carbon contact
DS-27	114104	Flat cable , 18 conductor ribbon cable, 96" long with pins
DS-34	9847730, 66354	Idler sheave , 5-1/2" O.D., 0.6693 I.D., for use with MIS-300 1/8" cable
DS-34A	9847730, 66354	Idler sheave assembly , 5 1/2" O.D. with bracket and hardware
DS-35	9841544	Selector tape guide , 4" long x 1-1/4" W
DS-40	9814437	Selector traveling nut and hardware



DS-18



DS-24



DS-27



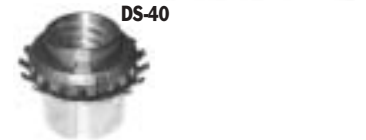
DS-34



DS-34A



DS-35



DS-40

ESCO Selector Parts

Part Number	OEM Part Number	Description
MIS-217	3-410-001	Single striker assembly
MIS-218	33-410-007	Dual striker assembly
MIS-219	0013-016-031	Tape guide assembly



MIS-217

MIS-218



MIS-219

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Selector Parts

for Otis, Payne and Schindler/Westinghouse

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Otis Selector Parts

Part Number	OEM Part Number	Description
OS-44	156AV2, 156G4	Selector/floor bar contact , 1-1/2" long
OS-70	A6333E1	Selector motor , 60VDC



OS-44



OS-70

Payne Selector Parts

Part Number	OEM Part Number	Description
PS-3	M-2924	Selector contact , movable
PS-4	M-2925	Selector contact , stationary



PS-3



PS-4

selector parts

Schindler/Westinghouse Selector Parts

Part Number	OEM Part Number	Description
WS-5	145A110H01	Nylon tape guide , used with Type E landing switch
WS-13	T4823G09	SN selector motor , 1/30 HP, 2765 RPM, 125 VDC, 32F, uses WCB-68 brush
WS-13A	151B417H01	Selector motor , 1/15 HP, 1950 RPM, 125 VDC, uses WCB-66A brush
WS-22	5061A04H02	Beam switch , leveling



WS-5



WS-13



WS-13A



WS-22

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Hoistway/Hatch Equipment

for Armor, Dover and Haughton

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Armor Hoistway/Hatch Equipment

Part Number	OEM Part Number	Description
ARP-27	11845-01, B723006, B7230020	Magnetic leveling switch , 120V, 50 watt, Normally closed contacts, PM #3
ARP-27A	13239-01, B723016	Magnetic leveling switch , 110VDC, Normally open contacts, PM #3
ARP-27B	13626-01, B817-8375-01	Photo switch #1
ARP-27C	11858-01, 11859-01, B723002, B723001	Limit switch replacement kit Kit includes all parts required to replace both #3 limit switches This part is a replacement kit for old-style, N.O. & N.C.
ARP-27D	13626-03	Photo switch #3 , 24VDC



ARP-27A



ARP-27B



ARP-27C

Dover Hoistway/Hatch Equipment

Part Number	OEM Part Number	Description
DHE-1	9769729, 45731, 69726	Magnetic leveling switch , N.O., wires out of side
DHE-2	9813421, 113204	Magnetic leveling switch , N.O., wires out of back



DHE-1



DHE-2

Haughton Hoistway/Hatch Equipment

Part Number	OEM Part Number	Description
HRP-1	3-40156-88, 35-2557-15	Magnetic leveling switch , mechanical style switch
HRP-1A	3-40156-89, 35-2557-17	Magnetic leveling switch , electronic style switch
HRP-1D	3-40341-73	Optical leveling switch , 24VDC, dual beam



HRP-1A



HRP-1D

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Hoistway/Hatch Equipment

for Kone/Montgomery, Schindler/Westinghouse and US

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Kone/Montgomery Hoistway/Hatch Equipment

Part Number	OEM Part Number	Description
MHE-1	P33235-001	Limit switch assembly, N.C., wires out of back
MHE-3	P12926	Magnetic leveling switch assembly
MHE-7	P13347	Magnetic floor switch assembly



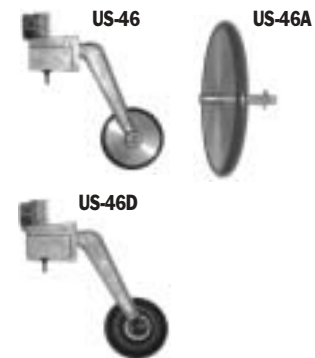
Schindler/Westinghouse Hoistway/Hatch Equipment

Part Number	OEM Part Number	Description
WW-24	151B452G01	Terminal Motion (T.M.) roller assembly kit 4" O.D., 13/16" wide, bearing 0.6693 I.D.



US Hoistway/Hatch Equipment

Part Number	OEM Part Number	Description
US-46	150-00116-001	Limit switch assembly, N.C.
US-46A	940-00012-000, 150-00280-001, 150-00142-007	Roller with clip, for limit switch US-46
US-46D	150-00643-001	Limit switch, N.C., new style, with air tire



hoistway/hatch

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Hoistway/Hatch Equipment

Limit and Magnetic Switches

Limit and Magnetic Switches manufactured by EECO

Part Number	Description
LS-1B	Limit switch for setting zoning, normal and final limits 1 NO and 1 NC contacts, rated for 300V AC @ 8A, 230V DC @ 1A
LS-1D	Limit switch for setting zoning, normal and final limits 2 NO and 2 NC contacts, rated for 300V AC @ 8A, 230V DC @ 1A
MV-4C	Permanent magnet switch for zone switches and leveling control units, dead zone <1/8" @ 1/4" gap 1 NO and 1 NC contacts, rated for 300V AC @ 8A, 230V DC @ 1A
MV-4D	Permanent magnet switch for zone switches and leveling control units, dead zone <1/8" @ 1/4" gap 2 NO and 2 NC contacts, rated for 300V AC @ 8A, 230V DC @ 1A
LDS3004A	Permanent magnet inductor switch for slowdown and landing positions Recommended for retrofit of EECO vane operated landing systems 1 NO and 1 NC contacts, rated for 250V DC @ 0.5A



Limit Switches

Part Number	Description
FT140X11-A	Adjustable angular roller limit switch , with adjustable angular roller, dust-tight, water-resistant and flame-retardant housing 1 NO and 1 NC contacts, rated for 400V AC @ 1.8A, 24V DC @ 2.8A
FT141X11-A	Angular roller limit switch , with angular roller, dust-tight, water-resistant and flame-retardant housing 1 NO and 1 NC contacts, rated for 400V AC @ 1.8A, 24V DC @ 2.8A
MEI-3088	Minnesota Elevator limit switch , DPDT 1 NO and 1 NC contacts, rated for 300V AC @ 1A, 230V DC @ 1A
MEI-17143	Minnesota Elevator limit switch , replacement for EECO LS-1B
MEI-14354	Limit Switch/Bracket , includes MEI-3088 limit switch with 20" extension bracket
MEI-2014	Cam/6' Bracket , 14 gauge galvanized cam and bracket
MEI-9290	Cam/10' Bracket , 14 gauge galvanized cam and bracket



Mounting Brackets and Kits for mounting limit and magnetic switches to guide rails

Part Number	Description
LS-1B-BRKT	Mounting bracket , for all EECO limit and magnetic switches, replaces LS-1B-BRKT-G
LS-BRKT-G	Mounting bracket , for FT140X11-A and FT141X11-A limit switches
LS-BRKT-KIT-G	Mounting bracket kit , includes mounting bracket, hardware and one FT140X11-A limit switch
LS-STRUTBRKT-17	17" adjustable strut-style bracket , includes mounting hardware and one FT140X11-A limit switch



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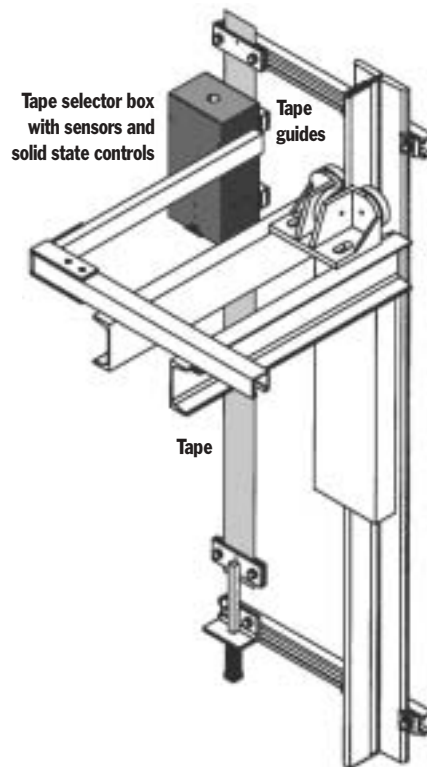
Hoistway/Hatch Equipment

TS-2002 Tape Selector Leveling System from EECO

Part Number	Description	Part Number	Description
TS-2002-S2	2 stop system , LU, LD and DZ sensors Includes 25 ft. of steel tape and 2 magnets	TS-2002-S2A	2 stop system with ALS , LU, LD and DZ Includes 25 ft. of steel tape and 2 magnets and 1 ALS magnet
TS-2002-R2	2 stop system , LU, LD, DZ and DZR sensors Includes 25 ft. of steel tape and 3 magnets	TS-2002-R2A	2 stop system with ALS , LU, LD, DZ and DZR Includes 25 ft. of steel tape and 3 magnets and 1 ALS magnet
TS-2002-S3	3 or more stop system , LU, LD, DZ, STU and STD sensors Includes 7 magnets (order 3 magnets/stop for more than 3 stops)	TS-2002-S3A	3 or more stop system with ALS , LU, LD, DZ, STU and STD Includes 7 magnets (order 3 magnets/stop for more than 3 stops) and 1 ALS magnet
TS-2002-R3	3 or more stop system , LU, LD, DZ, DZR, STU and STD sensors Includes 9 magnets (order 4 magnets/stop for more than 3 stops)	TS-2002-R3A	3 or more stop system with ALS , LU, LD, DZ, DZR, STU and STD Includes 9 magnets (order 4 magnets/stop for more than 3 stops) and 1 ALS magnet
TS-2002-SF	3 or more stop short floor system , LU, LD, DZ, STU, STD, SDZ, SLU and SLD sensors Includes 9 magnets (order 4 magnets/stop for more than 3 stops)	TS-2002-SFA	3 or more stop short floor system with ALS , LU, LD, DZ, STU, STD, SDZ, SLU and SLD sensors Includes 9 magnets (order 4 magnets/stop for more than 3 stops)
TS-2002-ST	Steel tape , sold by the foot	TS-2002-AMK	Access magnet kit , to add an additional access zone Used only with S2A, R2A, S3A, R3A and SFA models
TS-2002-MAG	Magnet , sold individually, order as needed by system		

The **EECO TS-2002 leveling system** for both hydraulic and traction elevators. A selector box is attached to the car and senses magnets placed on a steel tape to provide accurate car control throughout the travel.

The position of these magnets define these points for each landing; level up (LU), level down (LD), door zone (DZ), door zone rear (DZR), step up (STU), step down (STD), short floor door zone (SDZ), short floor level up (SLU) and short floor level down (SLD). An access limit switch (ALS) version is also available.



hoistway/hatch

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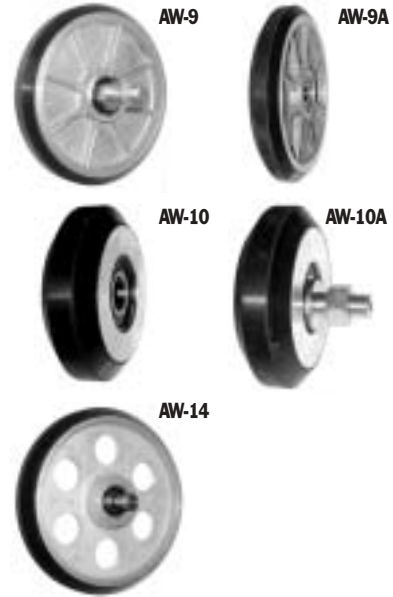
Guide Wheels and Rollers

for Armor and Dover

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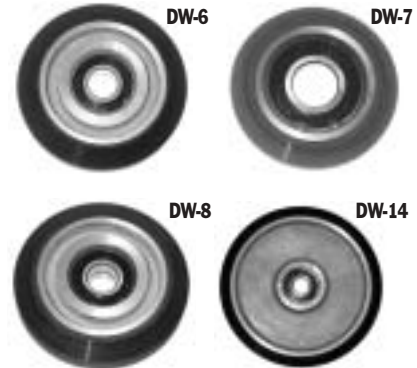
Armor Guide Wheels and Rollers

Part Number	OEM Part Number	Description
AW-9	11939-01, B653002	Roller guide wheel , 7" O.D., double bearing, 0.6693" I.D. Threaded eccentric shaft 5/8" wide x 3-1/2" long with jam nut Tire face 1/2" wide, hub 1-1/8" wide
AW-9A	11940-01, B653003	Roller guide wheel , 7" O.D., double bearing, 0.6693" I.D. Similar to AW-9 but without eccentric shaft Tire face 1/2" wide, hub 1-1/8" wide
AW-10	11942-01, B653010	Counterweight roller guide wheel , 3-1/2" O.D., double bearing, 0.6693" I.D. Similar to AW-10A but without eccentric shaft Tire face 1/2" wide, hub 1.05" wide
AW-10A	11941-01, B653009	Counterweight roller guide wheel , 3-1/2" O.D., double bearing, 0.6693" I.D. Threaded eccentric shaft 1/2" wide x 1" long with hex nut Tire face 1/2" wide, hub 1.05" wide
AW-14	168962G01, 515606	Roller guide wheel , 7-7/8" O.D., double bearing Shaft 2-3/4" long Tire face 3/8" wide, hub 1-1/2" wide



Dover Guide Wheels and Rollers

Part Number	OEM Part Number	Description
DW-6	9831873, 63187	Roller guide wheel , 4" O.D., single bearing, 0.6693" I.D. Tire face 1/2" wide, hub 3/4" wide
DW-7	9872309	Counterweight roller guide , 3" O.D., single bearing, 0.7874" I.D. Hub 13/16" wide
DW-8	9832774, 63277	Roller guide wheel , 4" O.D., double bearing, 0.6693" I.D. Tire face 1/2" wide, hub 1-1/4" wide
DW-14	9831824, 63182	Roller guide wheel , 8" O.D., double bearing, 0.7874" I.D.



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Guide Wheels and Rollers

for GAL/Hollister Whitney and Houghton

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GAL/Hollister Whitney Guide Wheels and Rollers

Part Number	OEM Part Number	Description
GW-1	377-12	Roller guide wheel , 3-1/4" O.D., double bearing, 0.6693" I.D. Tire face 1/2" wide
GW-1A	377-13	Roller guide wheel , 3-1/4" O.D., double bearing, 0.6693" I.D. Tire face 3/4" wide
GW-2	378-12	Roller guide wheel , 6" O.D., double bearing, 0.6693" I.D. Tire face 1/2" wide
GW-2A	378-13	Roller guide wheel , 6" O.D., double bearing, 0.6693" I.D. Tire face 3/4" wide



Houghton Guide Wheels and Rollers

Part Number	OEM Part Number	Description
HW-3	3-40150-71	Roller guide wheel , 3-1/2" O.D., bearing, 0.6693" I.D. Tire face 3/4" wide, hub 1-5/16" wide
HW-4	3-40196-74	Roller guide wheel , 3-1/2" O.D., bearing, 0.7874" I.D. Tire face 1" wide, hub 1-5/16" wide
HW-9	3-40158-67	Roller guide wheel , 3-1/2" O.D., bearing, 0.5119" I.D. Tire face 3/4" wide, hub 1-1/16" wide
HW-12	35-1159-002	Roller guide wheel , 8" O.D., bearing, 0.630 I.D. Tire face 1/2" wide, hub 1-3/8" wide
HW-12A	3-40329-10	Roller guide wheel , 8" x 1-1/4", 7/8" I.D.



guide wheels

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Guide Wheels and Rollers

for ELSCO, ESCO, Payne and Kone/Montgomery


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ELSCO, ESCO and Payne Guide Wheels and Rollers

Part Number	OEM Part Number	Description
MIS-142	n/a	ELSCO-style roller guide wheel , 6" O.D., double bearing, 0.7874" I.D. Polyurethane tire 1-1/4" wide
MIS-143	n/a	ELSCO-style roller guide wheel , 3-1/4" O.D., double bearing, 0.4724 I.D. Polyurethane tire 0.935" wide
MIS-143A	n/a	ESCO-style roller guide wheel , 3-1/4" O.D., double bearing, 0.5906 I.D. Polyurethane tire 0.935" wide
MIS-187	n/a	Payne-style roller , 3" O.D., double bearing, 0.5906" I.D. Tire face 3/8" wide, tire 1" wide
MIS-187A	n/a	Payne-style roller , 5" O.D., double bearing, 0.7874" I.D. Tire face 1/2" wide, tire 1-1/4" wide
MIS-187B	n/a	Payne-style roller , 7" O.D., double bearing, 0.7874" I.D. Tire face 1/2" wide, tire 1-1/4" wide



MIS-142 MIS-143




MIS-187 MIS-187A

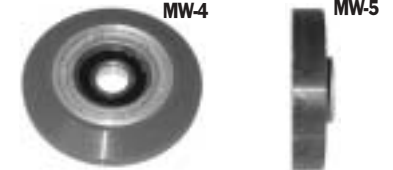
MIS-187B

Kone/Montgomery Guide Wheels and Rollers


Part Number	OEM Part Number	Description
MW-2	P2964	Roller guide wheel , 3" O.D., bearing, 0.7874" I.D. Tire face 1/2" wide
MW-3	P12963	Roller guide wheel , 3-15/16" O.D., bearing, 0.7874" I.D. Tire face 7/8" wide
MW-4	P2654	Roller guide wheel , 4-3/8" O.D., bearing, 0.7874" I.D. Tire face 7/8" wide tapering to 1/2"
MW-5	P3174	Roller guide wheel , 6-1/2" O.D., bearing, 0.9843" I.D. Tire face 1-1/4" wide
MW-6	P2789	Roller guide wheel , 6-1/2" O.D., bearing, 0.9843" I.D. Tire face 1-1/4" wide tapering to 1/2"
MW-10	P12592	Roller guide wheel , 7-3/4" O.D., bearing, 0.9843" I.D.
MW-11	P7087	Roller guide wheel , 10" O.D., bearing, 0.9843" I.D. For P28305 assembly, polyurethane tire



MW-2 MW-3



MW-4 MW-5



MW-6 MW-10 MW-11

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

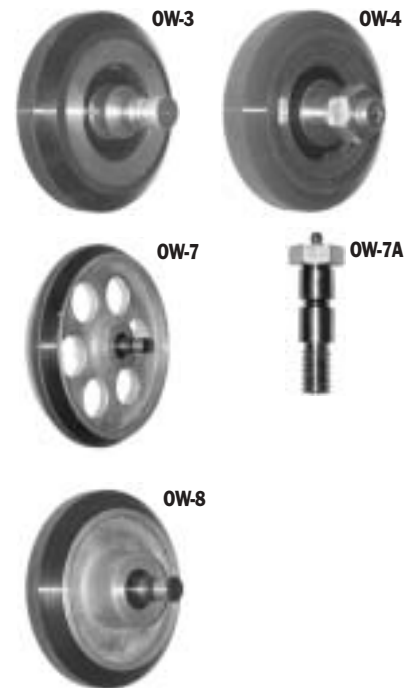
Guide Wheels and Rollers

for Otis and Schindler/Westinghouse

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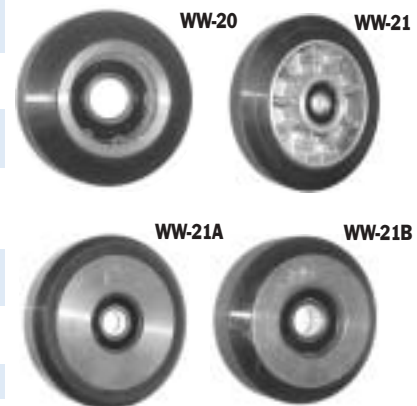
Otis Guide Wheels and Rollers

Part Number	OEM Part Number	Description
OW-3	456AK2	Roller guide wheel , 3-3/4" O.D. Sealed maintenance-free bearing with 5/8" shaft Polyurethane tire
OW-4	456DN1	Roller guide wheel , 3" O.D. 1/2" NC threaded eccentric shaft 1" long Flat polyurethane tire face 3/8" wide
OW-4A	456DN2	Roller guide wheel , shaft 1-3/4" long
OW-4B	456DN3	Roller guide wheel , shaft 2-3/8" long
OW-7	456CL4	Roller guide wheel , 7-7/8" O.D. Sealed maintenance-free bearing with threaded shaft Hub extends past tire width on shaft side, after Dec. '62 Polyurethane tire 1-1/2" wide
OW-7A	59P2	Pivot bolt , for 7-7/8" roller guide assembly
OW-8	456CM4	Roller guide wheel , 4-7/8" O.D. Maintenance-free sealed pump shaft bearing with 1" shaft Polyurethane tire, hub 2-5/8" wide
OW-9	456CN4	Roller guide wheel , 3-3/4" O.D. x 7/8" Maintenance-free sealed pump shaft bearing with 1" shaft Polyurethane tire, 5/8" hub
OW-15	456AJ2	Roller guide wheel , 7-7/8" O.D. x 1-1/2" Sealed maintenance-free bearing with shaft Hub extends past tire width on side opposite shaft, 1941 thru 1962 Polyurethane tire, hub 1-1/2" wide



Schindler/Westinghouse Guide Wheels and Rollers

Part Number	OEM Part Number	Description
WW-20	144A277G01	Roller guide wheel , 3" O.D., 0.6693" I.D. 1" wide
WW-21	323C160G01 323C160G02	Roller guide wheel , 6" O.D., double bearing, 0.6693" I.D. Tire face 13/16" wide
WW-21A	M5594G02	Roller guide wheel , 4-1/2" O.D., double bearing, 0.6693" I.D. Polyurethane tire face 13/16" wide, hub 1-1/4" wide
WW-21B	M5594G04 M5594G05 M5594G01	Roller guide wheel , 3-1/2" O.D., double bearing, 0.6693" I.D. Polyurethane tire face 5/8" wide
WW-21C	144A237H02	Polyurethane face bushing , 2-1/4" O.D., 13/16" I.D. For shaft WW-21F, 0.6 wide (1 per assembly)
WW-21D	K5212H05	Polyurethane side bushing , 2-1/4" O.D., 1/2" I.D. For shaft WW-21G 5/8" wide (2 per assembly)
WW-21E	144A233H01	Rubber washer , for roller guide wheel assembly
WW-23	M5594G03	Roller guide wheel , 10-1/4" O.D., 0.6693" I.D.



guide wheels

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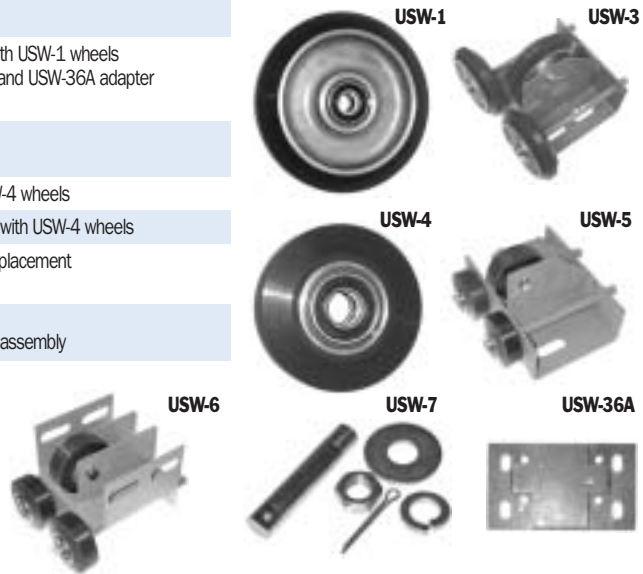
Guide Wheels and Rollers

for US and Generic Applications

This catalog lists our most popular parts; thousands of others are available. Call us or visit our web site for more information.

US Guide Wheels and Rollers

Part Number	OEM Part Number	Description
USW-1	100-00080-001	Roller guide wheel, 6" O.D., Polyurethane tire face 5/8" wide
USW-3	100-00075-001	Replacement roller guide assembly kit, with USW-1 wheels Kit consists of USW-2 roller guide assembly and USW-36A adapter Original mounting holes 8-1/4" c/c.
USW-4	114-00009-007	Roller guide wheel, 3-1/4" O.D., 5/8" I.D. Tire face 15/16" wide
USW-5	100-00057-001	Roller guide assembly for hydro, with USW-4 wheels
USW-6	114-00054-001	Roller guide assembly for counterweight, with USW-4 wheels
USW-7	100-00100-001, 100-00100-002	Bolt and bushing kit, for 3" and 6" roller replacement
USW-36A	100-00004-001	Adapter plate, for USW-2 assembly When replacing old style 6" O.D. roller guide assembly



Generic Replacement Guide Wheels and Rollers

Part Number	Compare to	Description
URG-001	ELSCO Model D	Universal Roller Guide, for low-speed elevators and moderate-speed counterweights, with three 3-1/4" wheels, for capacities of up to 2,000 lbs. passenger cabs, 2,000 lbs. freight cabs and 4,000 lbs. counterweights and speeds of up to 250 ft/min for cabs and 800 ft/min for counterweights.
URG-002	ELSCO Model B	Universal Roller Guide, for moderate-speed elevators and high-speed counterweights, with three 6" wheels, for capacities of up to 4,500 lbs. passenger cabs, 6,000 lbs. freight cabs and 8,000 lbs. counterweights and speeds of up to 700 ft/min for cabs and 1,400 ft/min for counterweights.
URG-005	ELSCO Model A	Universal Roller Guide, for high-speed elevators, with six 6" wheels, for capacities of up to 8,000 lbs. passenger cabs and 12,000 lbs. freight cabs and speeds of up to 1,500 ft/min for cabs.
URG-006	ELSCO Model C	Universal Roller Guide, for low-speed elevators and moderate-speed counterweights, with six 3-1/4" wheels, for capacities of up to 2,500 lbs. passenger cabs and 8,000 lbs. counterweights and speeds of up to 400 ft/min for cabs and 800 ft/min for counterweights.



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Cab Products

for all elevators

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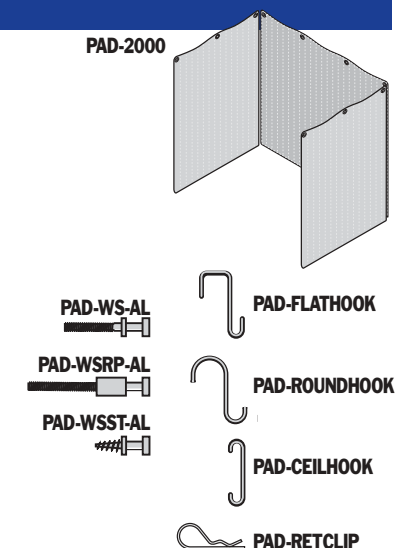
Cab Accessories and Signage

Part Number	OEM Part Number	Description
MIS-166E	n/a	Sign , "In case of fire do not use elevators," 5-1/2" x 8-1/2", stainless steel
MIS-166F	n/a	Sign , "Danger Electrical Machinery..." 7" x 10" Poly-vinyl, self adhesive
MIS-166H	n/a	Sign , freight "This is not a passenger elevator..." 5-1/2" x 8-1/2", stainless steel
MIS-166L	n/a	Sign , firemen's instructions for elevator car station, OFF/HOLD/ON 5-1/2" x 8-1/2", stainless steel
MIS-166M	n/a	Sign , firemen's instructions for main station, 5-1/2" x 8-1/2", stainless steel
MIS-166N	n/a	Sign , firemen's instructions for elevator car station, OFF/ON 5-1/2" x 8-1/2" stainless steel
MIS-182	n/a	Key box , 10" x 3" x 1-1/2", stainless steel
MIS-194A	n/a	Emergency light , self contained, tamper resistant Easily installed surface mounts above or near car station, 120V Stainless steel, 10" x 5-3/8" x 1-3/4" with white frosted durable plastic lens
MIS-194AL	n/a	Replacement lens , for emergency light, 5.1" x 9.4" White frosted durable plastic
MIS-BB-200	n/a	Bulletin board , stainless steel, 20" x 16" Holds two standard 8-1/2" x 11" sheets side by side
MIS-BB-201	n/a	Bulletin board , as above but for single 8-1/2" x 14" legal size
MIS-CF-100	n/a	Certificate frame , 7" x 10" With plexiglass window 6" x 9", stainless steel
MIS-T-100	n/a	Telephone box , stainless steel cover 12-1/4" x 9" Box measures 10-3/4" x 7-1/4" x 3" deep



Protection Pads and Pad Accessories (see page 115 for an order form)

Part Number	For Max Cab Inside Clear Size Width x Depth x Height	Description
PAD-2000	5' 8" x 4' 3" x 8'	Pad material , in quilted vinyl or canvas, grommets installed, flame-retardant per ASTM-E84, NFPA-701 and CAN/ULC-S-109-M87-RC. Includes pad lock pins and storage bag, specify material and color: Vinyl - Black, Blue, Gray, Green, Brown or Tan Canvas - Gray or Brown Custom sizes and configurations (front/rear door) are available NOTE: see page 115 for ordering instructions and form
PAD-2500	6' 8" x 4' 3" x 8'	
PAD-3000	6' 8" x 4' 9" x 8'	
PAD-3500	6' 8" x 5' 5" x 8'	
PAD-4500	5' 8" x 7' 11" x 8'	
PAD-5000	5' 11" x 8' 6" x 8'	
PAD-WS-AL		Wall stud , aluminum, 2" long
PAD-WS-BR		Wall stud , brass, 2" long
PAD-WSRP-AL		Wall stud , aluminum, 3-1/4" long for raised panels
PAD-WSRP-BR		Wall stud , brass, 3-1/4" long for raised panels
PAD-WSST-AL		Wall stud , aluminum, #8 self-tapping screw
PAD-WSST-BR		Wall stud , brass, #8 self-tapping screw
PAD-FLATHOOK		Flat hook , vinyl coated
PAD-ROUNDHOOK		Round hook , vinyl coated
PAD-CEILHOOK		Ceiling hook , vinyl coated
PAD-RETCLIP		Retaining clip , sold 15 per package
PAD-STOR-BAG		Storage bag , for pad material



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Cab Products

for all elevators

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Rails for car interiors

Car rails come in either brass or stainless steel and in a broad range of bracket styles and finials to fit almost every interior design scheme. All versions come in surface-mounted or bolted configurations.

All rails are custom manufactured. Along with specifying the style and finish, please provide the overall length and the center to center dimension for the brackets. Please allow at least 2 weeks for delivery.

Choose from the following options:

Bracket styles

- 1 - DP brackets
- 2 - Sigma brackets
- 3 - Classic brackets
- 4 - Round center post brackets (not shown)
- 5 - Flat center post brackets
- 6 - Flat bar brackets

Material

- 0 - Brass (polished)
- 1 - Brass (brushed)
- 2 - Stainless (polished)
- 3 - Stainless (brushed)
- 4 - Brass (antique)
- 5 - Brass (antique satin)

Finials

- 0 - Flat cap
- 1 - Domed cap
- 2 - Ball
- 3 - Wall return 915X
- 4 - Wall return left / domed right
- 5 - Wall return right / domed left
- 6 - Straight both ends
- 7 - Angle return left / straight right
- 8 - Angle return right / straight left
- 9 - Angle both ends

Coating

- 1 - Uncoated (standard)
- 2 - Lacquer

The part number can be derived by selecting the number for the bracket style, material, finial and coating (see pictured examples). Be sure to include the overall length and the center-to-center length of each rail.

BRACKET STYLES



1) DP



2) Sigma



3) Classic



2) Sigma



5) Flat center post



6) Flat bar

MATERIAL, FINIAL STYLE AND COATING



3) Brushed stainless with 1) Domed cap finial and 0) No coating (#1310)



5) Antique brass with 2) Ball finial and 1) Lacquer coating (#2521)



0) Polished brass with 1) Domed cap finial and 1) Lacquer coating (#3011)



3) Brushed stainless with 5) Wall return 915x and 0) No coating (#2350)



1) Brushed brass with 0) Flat cap and 1) Lacquer coating (#5101)



0) Polished brass with 8) Angled return right and 1) Lacquer coating (#6081)

cab products

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Maintenance Items for all elevators

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Tools and Lubricants

Part Number	OEM Part Number	Description
MIS-050	n/a	Flat flex rail file , 14" long, 8 teeth per inch
MIS-050A	n/a	File holder , for MIS-050
MIS-100L	n/a	Rail lubricant , 1 gallon, paraffin-based, used with MIS-101B
MIS-101B	n/a	Rail lubricator , for 8 & 16 lb. rails
WR-DRAKALUBE	n/a	DrakaLube® wire rope treatment , one gallon jug (cases of 4 gallons available)
MIS-100	n/a	Rope oiler , with 9" wick
MIS-102	n/a	Rope oiler , with 12" wick
MIS-103	n/a	Extension bracket , for rope oiler
MIS-103A	n/a	Replacement wick , for all size rope oilers
MIS-103B	n/a	Replacement wick , 1/2" x 6-1/2" x 12"
MIS-111	n/a	Contact burnishing tools , 3" long x 3/16" wide x .007" thick Leaves no residue, insulated plastic handle, 5 per pkg.
MIS-112	n/a	Contact burnishers , heavy duty 3-1/4" long x 3/16" wide x .010" thick Leaves no residue, insulated plastic handle, 5 per pkg.
MIS-126A	n/a	Security screwdriver , magnetic holder Storage handle holds spanner bits #6, #8, #10 and phillips bit
MIS-186A	n/a	Brush seater and commutator cleaning stone , medium-soft grade stone 1" long x 1" wide x 4-3/4" high, for general purpose use Additional sizes and grades available
MIS-211	n/a	Door pressure gauge
MIS-211A	n/a	Pressure gauge , 2' hose, 1K PSI For monitoring oil pressure on hydraulic elevators Quick-connect coupling, flexible extension hose, liquid-filled easy-to-read gauge
WMT-2	n/a	Thrust bearing tool , for Westinghouse #28 and #38 machines



Maintenance Items for all elevators

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Packing Replacement Kit

Part Number	OEM Part Number	Description
PAC-43	n/a	Packing replacement kit , everything you'll need to efficiently replace the packing in any hydraulic elevator or traction machine. This specialty tool kit contains: #2 flexible packing hooks for removal of hydraulic packing #1 flexible packing hooks for removal of worm shaft packing Wooden dowels for installation of packing Diameter-reading tape for measuring the diameter of pistons or shafts Bleeder air valve to relieve pressure of hydraulic packing Long-handled screws to remove phenolic bearings or lantern rings



Miscellaneous Machine, Brake and Slide Guide Parts

Part Number	OEM Part Number	Description
AM-1	13495-01, 513803	Brake sleeve assembly , for Armor #4 machine
DDO-2	9838685	Slide insert , for Dover DDO-21 assembly, 2-1/2" L x 3/4" W
DDO-13	9805266, 10526	Ivo slide guide shoe , for Dover, 5-1/2" x 1", 3-1/2" c/c mtg., used with DDO-13C holder
DDO-13C	9808279, 40827	Guide shoe holder , for Dover, 5-1/2" x 2.15", with DDO-13 installed
DDO-21	9838697, 63869	Slide assembly , for Dover, complete
DDO-21B	9806623	Slide holder , for Dover DDO-21 assembly
DDO-26	9705478, 70547	Rubber cushion , for Dover, 2" O.D. x 1-1/2" brake pulley for machines GD-45, GD-50, GD-75, GD-105, GD-200, GD-240 and GD-300
DMP-10	9863230, 26323	Brake sleeve , for Dover brake assembly
WRP-46	569A803H01	Tach generator motor , 30 VDC, for Westinghouse



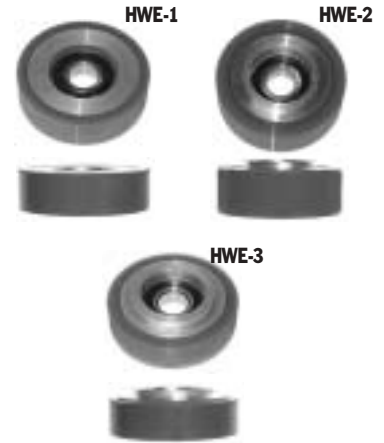
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Escalator Components for Haughton and Kone/Montgomery

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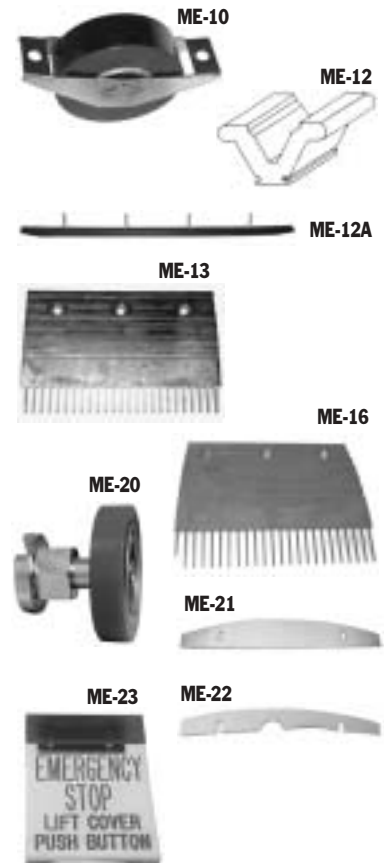
Haughton Escalator Components

Part Number	OEM Part Number	Description
HWE-1	97662	Escalator wheel , for chain roller, 3-1/2" O.D. x 1-1/32" wide, 0.7874 bearing I.D.
HWE-2	97444, 93485	Step roller , 3" O.D. x 1" wide, Peelle style
HWE-3	80004	Step roller , 3-1/2" O.D. x 1-1/32" wide



Kone/Montgomery Escalator Components

Part Number	OEM Part Number	Description
ME-10	P16353, P22723	Wheel and bracket assembly
ME-12	60263-010	Guide , handrail polyguide, 12 ft
ME-12A	P7395	Guide , step polyguide
ME-13	B32484	Comb plate , center, 8-3/8" W, 25 teeth for 3E, 4E and 5E
ME-13Y		Comb plate , yellow version of ME-13
ME-15	B46670	Comb plate , R.H., 8" W, 23-1/2 teeth for 3E and 4E
ME-15Y		Comb plate , yellow version of ME-15
ME-16	B46635	Comb plate , R.H., 7-5/8" W, 22-1/2 teeth for 5E
ME-16Y		Comb plate , yellow version of ME-16
ME-17	B46634	Comb plate , L.H., 7-5/8" W, 22-1/2 teeth for 5E
ME-17Y		Comb plate , yellow version of ME-17
ME-20	P27266	Step roller , for outdoor service, 3-15/16" x 1 1/4" W x 0.7874 I.D.
ME-21	A32926	Support curve , Novatex board 35-3/8" L
ME-22	59259	Support , Novatex board
ME-23	P23893	Stop switch cover , spring hinged
ME-27	41129	Switch access cover
ME-32	35981	Tach generator , 24V, 1500 RPM
MW-3	P12963	Roller guide wheel , 3-15/16" O.D., bearing, 0.7874" I.D. Tire face 7/8" wide
MW-3B	P5985	Roller guide wheel , 3-15/16" O.D., bearing, 0.7874" I.D. Tire face 1-1/4" wide



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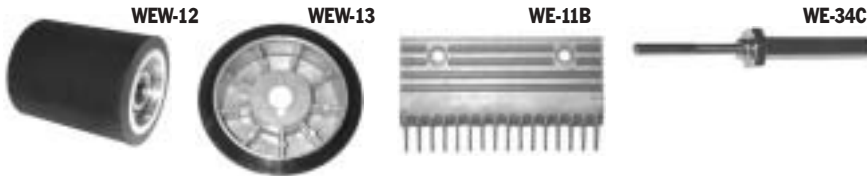
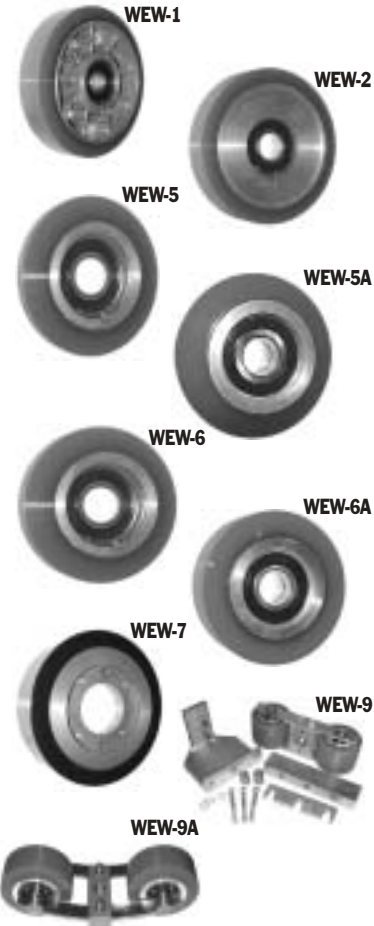
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Escalator Components for Schindler/Westinghouse

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Schindler/Westinghouse Escalator Components

Part Number	OEM Part Number	Description
WEW-1	217B235H07	Step chain roller , O.D. 5-1/4", 1-3/16" W, with double bearing, 0.6693" I.D. 7/8" tire face, for types S, L, M, N & NT, trail roller for Type S
WEW-2	216B509G04	Escalator roller , 4" O.D., with bearing 0.6693 I.D. 3/4" tire face
WEW-5	691B785G05, 691B785G07	Trail roller , 3" O.D. x 1-1/4", single bearing, 0.6693 I.D. 5/8" tire face, for type BB & BT
WEW-5A	691B785G06, 691B785G08	Trail roller , 3" O.D. x 1-1/4", Same as WEW-5 but with double bearing
WEW-6	691B785G01, 691B785G03	Step guide roller , 3" O.D. x 1-1/4" W, single bearing, 0.6693 I.D. 1-3/32" tire face, for type BB & BT
WEW-6A	691B785G02, 691B785G04	Step guide roller , 3" O.D. x 1-1/4", Same as WEW-6 but with double bearing
WEW-7	152B238G01, 152B238G02	Handrail drive roller , O.D. 5-5/16", 1-3/8" W For types N & NT
WEW-9	5199D27G01	Pressure roller assembly , coil spring type, c/c 5-1/2" mounting holes
WEW-9A	5193D59G02	Pressure roller assembly , leaf spring type, c/c 5-1/2" mounting holes
WEW-12	325C359G01	Pressure roller , O.D. 2-1/2" x 3" L
WEW-13	196C271G01	Handrail drive roller , 5-11/64" diameter, 3/4" I.D.
WEC-20	466D034G03	150 MFD capacitor , 1.5 - 9.0 seconds
WE-11B	626D315H06	Comb plate , center, 5-3/4" W, 16 teeth for 32BT and 48BB
WE-11B-Y		Comb plate , yellow version of WE-11B
WE-34C	1727C81G0	Plunger assembly kit , shown assembled



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Contactors and Thermal Overload Relays

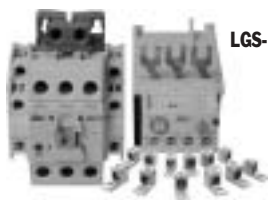
Manufactured by LG Industrial Systems

Starter Sets

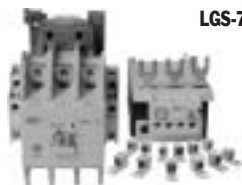
Part Number	Description	Operating Voltage(s) • Amps
LGS-1	Starter, size 1++	208V • 28-40A
LGS-2	Starter, size 1++	120V • 28-40A
LGS-3	Starter, size 1++	240V • 28-40A
LGS-4	Starter, size 2	120V • 34-50A
LGS-5	Starter, size 2	208V • 34-50A
LGS-6	Starter, size 2	240V • 34-50A
LGS-7	Starter, size 2+	120V • 54-75A
LGS-8	Starter, size 2+	208V • 54-75A
LGS-9	Starter, size 2+	240V • 54-75A
LGS-10	Starter, size 2+	480V • 54-75A
LGS-11	Starter, size 3	120V • 63-85A
LGS-12	Starter, size 3	208V • 63-85A
LGS-13	Starter, size 3	240V • 63-85A
LGS-14	Starter, size 3	480V • 63-85A
LGS-15	Starter, size 3+	120/240VAC • 100 A
LGS-16	Starter, size 4	120/240VAC • 150 A

Reversing Starter Sets and Mounting Plates

Part Number	Description	Operating Voltage(s) • Amps
LGRS-1	Reversing starter, size 1+	240V • 50A
LGRS-2	Reversing starter, size 2	120V • 70A
LGRS-3	Reversing starter, size 2	240V • 70A
LGRS-4	Reversing starter, size 2+	120V • 90A
LGRS-5	Reversing starter, size 2+	240V • 90A
LGRS-6	Reversing starter, size 3	240V • 100A
LGRS-7	Reversing starter, size 3	120V • 100A
LGRS-8	Reversing starter, size 3+	100/240V • 85-125A
LGRS-9	Reversing starter, size 3++	100/240V Coil • 85-125A
LGRS-10	Reversing starter, size 0	24V Coil • 16-22A
LGRS-11	Reversing starter, size 4	110-220V • 150A



LGS-1



LGS-7



LGS-15



LGRS-1

Starter Sets with Rail Mounting Kits

Part Number	Description
LGS-1D	LGS-1 starter, size 1++ with DIN rail kit
LGS-2D	LGS-2 starter, size 1++ with DIN rail kit
LGS-3D	LGS-3 starter, size 1++ with DIN rail kit
LGS-4D	LGS-4 starter, size 2 with DIN rail kit
LGS-5D	LGS-5 starter, size 2 with DIN rail kit
LGS-6D	LGS-6 starter, size 2 with DIN rail kit
LGS-7D	LGS-7 starter, size 2+ with DIN rail kit
LGS-8D	LGS-8 starter, size 2+ with DIN rail kit
LGS-9D	LGS-9 starter, size 2+ with DIN rail kit
LGS-10D	LGS-10 starter, size 2+ with DIN rail kit
LGS-11D	LGS-11 starter, size 3 with DIN rail kit
LGS-12D	LGS-12 starter, size 3 with DIN rail kit
LGS-13D	LGS-13 starter, size 3 with DIN rail kit
LGS-14D	LGS-14 starter, size 3 with DIN rail kit

Mounting Rails, Plates and Interlocks

Part	Description
MIS-001	DIN rail kit, 6" 35mm
MIS-002	DIN rail kit, 5" 35mm
MIS-003	DIN rail kit, 4" 35mm
MIS-004	DIN rail kit, 3" 35mm
LGRS-1B	Mounting plate, for reversing starters LGRS-1 thru LGRS-8
LGRS-1C	Mounting plate, for reversing starters LGRS-9 & 11
LGIL-1	Mechanical interlock, for reversing starters LGRS-1 thru LGRS-8
LGIL-2	Mechanical interlock, for reversing starters LGRS-9 & LGRS-11

MIS-001



US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

v2005.1 0304



Contactors and Thermal Overload Relays

Manufactured by LG Industrial Systems

Contactors

Part Number	Description
LGC-1	Contactor , 10HP @ 230VAC, 40A
LGC-2	Contactor , 20HP @ 230VAC, 65A
LGC-3	Contactor , 30HP @ 230VAC, 85A
LGC-4	Contactor , 3HP, 120VAC coil, 18A
LGC-5	Contactor , 7.5HP, 120VAC coil, 32A
LGC-6	Contactor , 10HP, 120VAC coil, 40A
LGC-7	Contactor , 20HP, 120VAC coil, 65A
LGC-8	Contactor , 30HP, 120VAC coil, 85A
LGC-9	Contactor , 40HP, 110/120VAC coil, 125A

Auxiliary Contact Blocks

Part Number	Description
LGAX-1	Auxiliary contact block , 1 pole, 1 N.O./ 1 N.C.
LGAX-2	Auxiliary contact block , 4 pole, 4 N.O.
LGAX-3	Auxiliary contact block , 4 pole, 2 N.O./ 2 N.C.
LGAX-4	Auxiliary contact block , 2 pole, 2 N.C.
LGAX-5	Auxiliary contact block , 2 pole, 2 N.O.
LGAX-6	Auxiliary contact block , 2 pole, 1 N.O./ 1 N.C.



LGC-1

Coils

Part Number	Description
LGC-C1	Coil , 120VAC for LGS-1,2,3
LGC-C2	Coil , 208VAC for LGS-1,2,3
LGC-C3	Coil , 220VAC for LGS-1,2,3
LGC-C4	Coil , 240VAC for LGS-1,2,3
LGC-C5	Coil , 440VAC for LGS-1,2,3
LGC-C6	Coil , 120VAC for LGS-4 thru LGS-14
LGC-C7	Coil , 208VAC for LGS-4 thru LGS-14
LGC-C8	Coil , 220VAC for LGS-4 thru LGS-14
LGC-C9	Coil , 240VAC for LGS-4 thru LGS-14
LGC-C10	Coil , 440VAC for LGS-4 thru LGS-14
LGC-C11	Coil , 480VAC for LGS-4 thru LGS-14
LGC-C12	Coil , 110VDC for ARP-62
LGC-C13	Coil , 110VDC for ARP-63
LGC-C14	Coil , 24VAC for LGRS-10

Rail Overload Relays and Adaptors

Part Number	Description
LGOL-1	Overload relay , 28-40A
LGOL-2	Overload relay , 34-50A
LGOL-3	Overload relay , 54-75A
LGOL-4	Overload relay , 63-85A
LGOA-1	DIN rail overload adaptor , for LGOL-1
LGOA-2	DIN rail overload adaptor , for LGOL-2,3,4

Motor Protection Relays

Part Number	Description
LGM-1	Digital motor protection relay , 5-60A



Soft Starters

Manufactured by Sprecher + Schuh

Part Number	Description	Part Number	Description
PESC-104-240V	Soft starter , 104A, 208-240VAC Y/D	PESC-52-240V	Soft starter , 52A, 208-240VAC Y/D
PESC-104-480V	Soft starter , 104A, 440-480VAC Y/D	PESC-52-480V	Soft starter , 52A, 440-480VAC Y/D
PESC-146-240V	Soft starter , 146A, 208-240VAC Y/D	PESC-64-240V	Soft starter , 64A, 208-240VAC Y/D
PESC-146-480V	Soft starter , 146A, 440-480VAC Y/D	PESC-64-480V	Soft starter , 64A, 440-480VAC Y/D
PESC-168-240V	Soft starter , 168A, 208-240VAC Y/D	PESC-78-240V	Soft starter , 78A, 208-240VAC Y/D
PESC-168-480V	Soft starter , 168A, 440-480VAC Y/D	PESC-78-480V	Soft starter , 78A, 440-480VAC Y/D

PESC-104-240V





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Power Controls


Assembled by Draka Elevator Products

Five-button Pendant Stations (Up, Down, Common, Locking Stop and Tubular Key Switch)

Part Number	Description ft • m	Cable Length	Termination(s)		
PEND-5B-T	Pendant station	unwired	none		 <p>PEND-5B-T</p>  <p>PEND-5W-TGC with PEND-15G-1</p>
PEND-5W-T	Pendant station, with pigtail	15 • 4.6	loose wires		
PEND-5W-TC	Pendant station, with pigtail	15 • 4.6	male connector		
PEND-15-1	Cable extension	15 • 4.6	female connector/loose wires		
PEND-50-1	Cable extension	50 • 15.2	female connector/loose wires		
PEND-15-2	Cable extension	15 • 4.6	female connector/ male connector		
PEND-50-2	Cable extension	50 • 15.2	female connector/ male connector		
PEND-5W-TG	Pendant station, with pigtail and GFCI	15 • 4.6	loose wires		
PEND-5W-TGC	Pendant station, with pigtail and GFCI	15 • 4.6	male connector		
PEND-15G-1	Cable extension, for GFCI versions	15 • 4.6	female connector/loose wires		
PEND-50G-1	Cable extension, for GFCI versions	50 • 15.2	female connector/loose wires		
PEND-15G-2	Cable extension, for GFCI versions	15 • 4.6	female connector/ male connector		
PEND-50G-2	Cable extension, for GFCI versions	50 • 15.2	female connector/ male connector		
18/6 SEOW	Cut-to-length cable, for non-GFCI versions	specify	none		
14/3-18/5 SEOW	Cut-to-length cable, for GFCI versions	specify	none		

PEND-5 series pendant stations are made of rugged high-impact plastic for both durability and electrical safety. Keyed lockout and two-handed operation further increase their safe usage. Options include a 15' • 4.6 meter pigtail; GFCI (Ground Fault Circuit Interrupter) on the pigtail; connectorized pigtails; and modular cable extensions of either 15' • 4.6 meters or 50' • 15.2 meters.

Top Of Car Inspection (TOCI) Stations

Part Number	Description	
TOCI-L	Top of car inspection box, with GFCI receptacle and light fixture/cage	 <p>TOCI-LFA</p>
TOCI-LF	Top of car inspection box, with GFCI receptacle, light fixture/cage and fire service light/buzzer indicators	
TOCI-LA	Top of car inspection box, with GFCI receptacle, light fixture/cage and audible 6-28 VDC alarm	
TOCI-LFA	Top of car inspection box, with GFCI receptacle, light fixture/cage, fire service light/buzzer indicators and audible 6-28 VDC alarm	

TOCI stations house large, easy-to-read UP, DOWN, COMMON and STOP controls as well as a normal/inspection switch, GFCI receptacle and light fixture/cage in a bright yellow metal enclosure. They are available in four versions - with lamp fixture, lamp/fire service, lamp/alarm and lamp/fire service/alarm. NOTE: All stations come unwired; some field assembly required. Light bulb not included.

Stop Switches (UL listed, CSA certified)

Part Number	Description	Quantity
EN418-A	Locking Stop Switch	1

EN418-A stop switches are UL/CSA approved and use a push-pull action for sure, safe operation. A four-prong guard helps prevent accidental engagement of the switch. Large diagrams printed on the switch show clearly which are the RUN and STOP positions, while indicator windows on the button show 'green for go' when the switch is in the ON position and 'red for stop' when in the STOP position.



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v2005.1 0304

Rail-Mounted Terminal Blocks and Rails

with CAGE CLAMP® Connections Manufactured by WAGO

UL Recognized

CSA Certified



Through Terminal Blocks

Ground Conductor Terminal Blocks

Part Number	Description	Size AWG • mm ²	Part Number	Description	Size AWG • mm ²
279-901	2 conductor	16 • 1.5	279-907	2 conductor	16 • 1.5
280-901	2 conductor	12 • 2.5	280-907	2 conductor	12 • 2.5
281-901	2 conductor	12 • 4.0	281-907	2 conductor	12 • 4.0
282-901	2 conductor	10 • 6.0	282-907	2 conductor	10 • 6.0
284-901	2 conductor	8 • 10	284-907	2 conductor	8 • 10
283-901	2 conductor	6 • 16	283-907	2 conductor	6 • 16
285-635	2 conductor	2 • 35	285-637	2 conductor	2 • 35
279-681	3 conductor	16 • 1.5	279-687	3 conductor	16 • 1.5
280-681	3 conductor	12 • 2.5	280-687	3 conductor	12 • 2.5
281-681	3 conductor	12 • 4.0	281-687	3 conductor	12 • 4.0
282-681	3 conductor	10 • 6.0	282-687	3 conductor	10 • 6.0
284-681	3 conductor	8 • 10	284-687	3 conductor	8 • 10
283-671	3 conductor	6 • 16	283-677	3 conductor	6 • 16
279-831	4 conductor	16 • 1.5	279-837	4 conductor	16 • 1.5
280-833	4 conductor	14 • 2.5	280-837	4 conductor	14 • 2.5
281-652	4 conductor	12 • 4.0	281-657	4 conductor	12 • 4.0

Corresponding end plates are available

Corresponding end plates are available

279-901



279-681



279-831



279-687



279-837



High-Current Through Terminal Blocks

High-Current Ground Conductor Blocks

Part Number	Description	Size AWG	Part Number	Description	Size AWG
285-195	2 conductor	2 to 3/0	285-197	2 conductor	2 to 3/0
285-407	2 conductor voltage tap	24 to 6			

285-197



Carrier Rails

Part Number	Description	Length ft • m
210-113	DIN 35 rail, steel/unslotted	6.6 • 2
210-112	DIN 35 rail, steel/slotted	6.6 • 2
210-111	DIN 15 rail, steel/slotted	6.6 • 2
249-116	Screwless end stop for carrier rail	

210-113



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Connectors and Tools

with CAGE CLAMP® Connections Manufactured by WAGO



Connectors

Part Number	Description	Size AWG • mm ²	Spacing	Component Specifications
730-123	Wire-tap branch female connector, 3-pole	16 • 1.5		
730-113	Wire-tap branch male connector, 3-pole	14 • 2.5		
730-126	Wire-tap branch female connector, 6-pole	16 • 1.5		
730-116	Wire-tap branch male connector, 6-pole	14 • 2.5		
231-106/026-000*	Female connector, 6-pole	28 to 12 • 0.08 to 2.5	5 mm	
231-306/026-000*	Female connector, 6-pole	28 to 12 • 0.08 to 2.5	0.2 in	
231-206/026-000*	Female connector, 6-pole	28 to 12 • 0.08 to 2.5	7.5 mm	
231-706/026-000*	Female connector, 6-pole	28 to 12 • 0.08 to 2.5	0.3 in	
231-106/037-000*	Female connector, 6-pole, w/ locking device	28 to 12 • 0.08 to 2.5	5 mm	
231-306/037-000*	Female connector, 6-pole, w/ locking device	28 to 12 • 0.08 to 2.5	0.2 in	
231-206/037-000*	Female connector, 6-pole, w/ locking device	28 to 12 • 0.08 to 2.5	7.5 mm	
231-706/037-000*	Female connector, 6-pole, w/ locking device	28 to 12 • 0.08 to 2.5	0.3 in	
231-436/001-000*	Headers w/ solder pins	28 to 12 • 0.08 to 2.5	5 mm	
231-536/001-000*	Headers w/ solder pins	28 to 12 • 0.08 to 2.5	0.2 in	
231-836/001-000*	Headers w/ solder pins	28 to 12 • 0.08 to 2.5	7.5 mm	
231-936/001-000*	Headers w/ solder pins	28 to 12 • 0.08 to 2.5	0.3 in	
231-436/040-000*	Headers w/ solder pins w/ fixing flanges	28 to 12 • 0.08 to 2.5	5 mm	

* Available in 2 to 24 poles

Tools

Part Number	Description	210-620	285-171	206-204
210-620	Screwdriver with partially insulated shaft			
285-171	Universal T-tool for use with high-current terminal blocks			
206-204	Variocrimp 4 crimping tool			
206-216	Variocrimp 16 crimping tool			

- * Insulated ferrules, 0.25 mm² to 16 mm²
- * Uninsulated ferrules, 0.25 mm² to 16 mm²

*NOTE: Call for ferrule part numbers



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v2005.1 0304

Hydraulic Control Valves

 (see page 116 for an order form)
 manufactured by **EECO** available with or without coils


UV-5A and UV-7B series

Part Number	Pressure Range psi • bars	Flow Rate Range GpM • LpM	Operating Temp F • C	Features	Component Specifications
UV-5AT	90/800 • 6.2/55.2	10/200 • 38/760	80°/150° • 27°/65°	Full temperature compensation	Gage Ports Ram (jack) and pump gage ports are 1/8" NPT and are provided on top of the valve. Recommended oils A good brand of 32 grade turbine oil with a viscosity of 150 SSU at 100° F (38°C). Other compatible oils are 46 grade and biodegradable (vegetable) oil. Line Connection UV-5 Factory standard for each of the three valve ports is 2" NPT. Optional 2" victaulic connections are also available for all three valve ports. Line Connection UV-7 Factory standard for each of the three valve ports is 2.5" NPT. CSA-B44/UL Approved Solenoid Coils for UV-5 110 VAC, 110 VAC/12 VDC (dual voltage), 208 VAC, 220 VAC/110 VDC (dual voltage), 440 VAC/220 VDC (dual voltage). For other coil options, please contact EECO. CSA-B44/UL Approved Solenoid Coils for UV-7 110 VAC, 208 VAC, 220 VAC, 440 VAC, 110 VDC, 220 VDC. For other coil options, please contact EECO.
UV-5ATC	90/800 • 6.2/55.2	10/200 • 38/760	80°/150° • 27°/65°	Full temperature and pressure compensation	
UV-7B	50/500 • 3.2/38	75/375 • 284/1420	80°/150° • 27°/65°	Low pressure/high flow rate	
UV-7BC	50/500 • 3.2/38	75/375 • 284/1420	80°/150° • 27°/65°	Low pressure/high flow rate with constant down speed	

The UV-5AT hydraulic control valve is equipped with full temperature compensation over its entire operational range (80° to 150°F). Modifications to the valve body as well as improvements to its internal parts have drastically simplified UV-5AT down adjustments as well as making it the quietest valve on the market.

The UV-5ATC offers both temperature and pressure compensation, which is built into the redesigned down piston assembly. It maintains constant down speed between no load and full load conditions. No field adjustments are required.

The UV-7B hydraulic control valve designed to deliver low pressure/high flow rate performance.

The UV-7BC adds full pressure compensation for constant down speed to the UV-7B. The pressure compensation system is built into a redesigned down piston assembly and maintains constant down speed between no load and full load conditions. No field adjustments are required.

These valves feature high temperature Viton seals and a lightweight, heat-treated, high strength aluminum body. All control adjustments are made from the front of the valve. Moving parts are restricted to sliding sealed pistons. The valve has a fully adjustable pressure relief valve.

Optional features include:

- Pressure gage quick disconnect
- 0-1000 psi liquid-filled pressure gage
- Low pressure switch
- Dual voltage down leveling coil for emergency (battery back up) lowering
- Constant down speed (UV-5ATC only)

See page 116 for a quotation/order form to assist you in pricing or ordering the correct valve.

UV-5AT



UV-5ATC



UV-7B



US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Hydraulic Accessories

Isolation Couplings, Pipe Stands and Mufflers

Isolation Couplings manufactured by EECO

Part Number	Application	Size
2060A-1	Grooved to grooved coupling	2"
2060A-2	Grooved to National Pipe Thread (NPT) coupling	2"
2060A-3	NPT to NPT coupling	2"
2070A-1	Grooved to grooved coupling	2-1/2"
2070A-2	Grooved to NPT coupling	2-1/2"
2070A-3	NPT to NPT coupling	2-1/2"
2080A-1	Grooved to grooved coupling	3"
2080A-2	Grooved to NPT coupling	3"
2080A-3	NPT to NPT coupling	3"



Pipe Stands adjustable to 22" height

Part Number	Description
PIPE22-15	Pipe stand, for 1-1/2" O.D. pipes
PIPE22-2	Pipe stand, for 2" O.D. pipes
PIPE22-25	Pipe stand, for 2-1/2" O.D. pipes
PIPE22-3	Pipe stand, for 3" O.D. pipes



Mufflers manufactured by EECO

Part Number	Description	Dimensions and Max. Throughput
MU-2000-1	Muffler, fits 2" grooved/2" grooved	6 5/8" O.D., 11 3/4" L, 185 GPM
MU-2000-2	Muffler, fits 2" grooved/2" National Pipe Thread (NPT)	6 5/8" O.D., 11 3/4" L, 185 GPM
MU-2000-4	Muffler, fits 2" NPT/2" NPT	6 5/8" O.D., 11 3/4" L, 185 GPM
MU-2500-1	Muffler, fits 2 1/2" grooved/2 1/2" grooved	8 5/8" O.D., 11 3/4" L, 260 GPM
MU-2500-2	Muffler, fits 2 1/2" grooved/2 1/2" NPT	8 5/8" O.D., 11 3/4" L, 260 GPM
MU-2500-4	Muffler, fits 2 1/2" NPT/2 1/2" NPT	8 5/8" O.D., 11 3/4" L, 260 GPM
MU-2500-5	Muffler, fits 2 1/2" NPT/3" grooved	8 5/8" O.D., 11 3/4" L, 260 GPM
MU-2500-6	Muffler, fits 2 1/2" grooved/3" grooved	8 5/8" O.D., 11 3/4" L, 260 GPM
MU-3000-1	Muffler, fits 3" grooved/3" grooved	8 5/8" O.D., 11 3/4" L, 350 GPM
MU-3000-2	Muffler, fits 3" grooved/3" NPT	8 5/8" O.D., 11 3/4" L, 350 GPM
MU-3000-3	Muffler, fits 3" NPT/3" NPT	8 5/8" O.D., 11 3/4" L, 350 GPM



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v2005.1 0304



Hydraulic Accessories

manufactured by Minnesota Elevator

Oil Cooler and Silencer

Part Number	Description
MEI-10248	Oil cooler , with filter
MEI-19317	Silencer , 220 max. GPM, fits 2" x 2" grooved coupling - 13-1/4" L x 4-5/8" O.D., 28 lbs.
MEI-19319	Silencer , 360 max. GPM, fits 2-1/2" x 3" grooved coupling - 13-1/2" L x 4-5/8" O.D., 28 lbs.

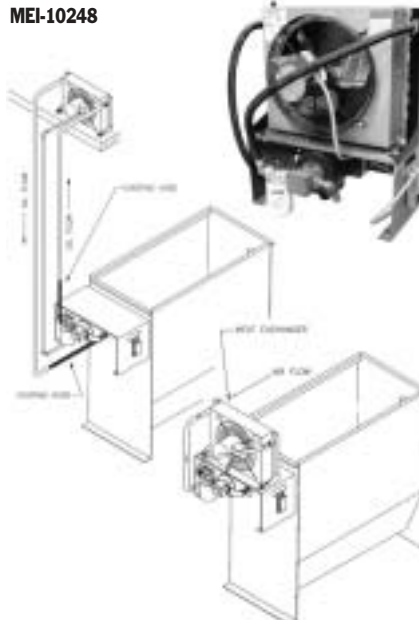
The MEI Oil Cooler reduces the oil temperature by nearly 40°F, (depending on site conditions). The cooler also filters the oil which results in smoother stops and starts, improved levelling and extended component life. The oil cooler can be mounted directly or remotely. NOTE: Remote installations should not exceed 110 ft horizontal or 55 ft vertical from tank.

The MEI Silencer uses a bladder system with air pressure to reduce excessive noise that may be generated by a hydraulic system.



MEI-19317

MEI-10248



Pully Bully Lift/Puller for Submersible Pumps/Motors

Part Number	Description
MEI-17936	Pully bully , submersible pump/motor puller with drip pan/workbench and dolly

The MEI Pully Bully is a self-contained lift and mess-free work area for hydraulic pump maintenance. Use the chain hoist to rig and pull the pump/motor out of the power unit, then set the pump/motor on the cart/drip pan and make the necessary repairs. The hoisting frame detaches from the cart (which serves as a workbench/drip pan that collects the excess oil). The Pully Bully complies with ASME B30.17 - 1998.



**PULLY BULLY
IN USE AND
FOLDED FOR
STORAGE**

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Hydraulic Ball Valves and Pipe Fittings

Grooved Ball Valves and Pipe Fittings Manufactured by Grinnell

Grooved Ball Valves by Grinnell

Part Number	Description/Size	Compare to Victaulic®
GRN-GBLV020	Ball valve, 2"	726
GRN-GBLV025	Ball valve, 2-1/2"	726
GRN-GBLV030	Ball valve, 3"	726
GRN-GBLV040	Ball valve, 4"	726



Threaded Ball Valves

Part Number	Description/Size
TBLV-020	Threaded ball valve, 2"
TBLV-025	Threaded ball valve, 2-1/2"
TBLV-030	Threaded ball valve, 3"
TBLV-040	Threaded ball valve, 4"

Flexible Couplings by Grinnell

Part Number	Description/Size	Compare to Victaulic®
GRN-70720TS	Flexible coupling, 2"	77
GRN-70725TS	Flexible coupling, 2-1/2"	77
GRN-70730TS	Flexible coupling, 3"	77
GRN-70740TS	Flexible coupling, 4"	77



Rigid Couplings by Grinnell

Part Number	Description/Size	Compare to Victaulic®
GRN-77220TS	Rigid coupling, 2"	HP-70
GRN-77225TS	Rigid coupling, 2-1/2"	HP-70
GRN-77230TS	Rigid coupling, 3"	HP-70
GRN-77240TS	Rigid coupling, 4"	HP-70



Elbows and Fittings by Grinnell

Part Number	Description/Size	Compare to Victaulic®
GRN-21020S	90° elbow, 2"	10
GRN-21025S	90° elbow, 2-1/2"	10
GRN-21030S	90° elbow, 3"	10
GRN-21040S	90° elbow, 4"	10
GRN-20120S	45° elbow, 2"	11
GRN-20125S	45° elbow, 2-1/2"	11
GRN-20130S	45° elbow, 3"	11
GRN-20140S	45° elbow, 4"	11
GRN-31220S	22.5° elbow, 2"	12
GRN-31225S	22.5° elbow, 2-1/2"	12
GRN-31230S	22.5° elbow, 3"	12
GRN-31240S	22.5° elbow, 4"	12
GRN-31320S	11.25° elbow, 2"	13
GRN-31325S	11.25° elbow, 2-1/2"	13
GRN-31330S	11.25° elbow, 3"	13
GRN-31340S	11.25° elbow, 4"	13
GRN-S85320	Y strainer, 2"	32
GRN-S85325	Y strainer, 2-1/2"	32
GRN-S85330	Y strainer, 3"	32
GRN-S85340	Y strainer, 4"	32

90° ELBOW



45° ELBOW



Part Number	Description/Size	Compare to Victaulic®
GRN-21920S	Tee, 2"	20
GRN-21925S	Tee, 2-1/2"	20
GRN-21930S	Tee, 3"	20
GRN-21940S	Tee, 4"	20
GRN-26020S	End cap, 2"	60
GRN-26025S	End cap, 2-1/2"	60
GRN-26030S	End cap, 3"	60
GRN-26040S	End cap, 4"	60
GRN-72858	Reducer, 2-1/2 to 2"	50
GRN-72863	Reducer, 3" to 2"	50
GRN-72865	Reducer, 3" to 2-1/2"	50
GRN-72870	Reducer, 4" to 2"	50
GRN-72872	Reducer, 4" to 2-1/2"	50
GRN-72873	Reducer, 4" to 3"	50
GRN-20NITRILS	Nitrile gasket, 2"	
GRN-25NITRILS	Nitrile gasket, 2-1/2"	
GRN-30NITRILS	Nitrile gasket, 3"	
GRN-40NITRILS	Nitrile gasket, 4"	

TEE FITTING



END CAP



Mastic Tape Scotch® 2210

Part Number	Description/Size
75735A66	Mastic tape, 4" wide in 10' rolls, for protection/sealing of underground pipe and fittings

Victaulic® is a registered trademark of the Victaulic Corporation. There is no relationship between the Victaulic Corporation and Draka Elevator Products. Victaulic manufactures and distributes its own products under the Victaulic® trademark.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com



Roll Groovers

Manual and powered by Pace

1039 Mini-Mite™ Manual Roll Groover

Part Number	Compare to Victaulic®	Description
GRN-1039	VE-26S	Roll groover with hand-crank, including depth gauges

The **Pace 1039 Mini-Mite™ Roll Groover** is designed for use on 1-1/4" to 6" Schedule 40 pipe. The Mini-Mite is self-contained and can be operated with its own multi-function crank or quickly chucked to a Ridgid Model 300 without removing the gearbox. All hex drives on the Mini-Mite are 15/16", so one wrench fits everything. A multi-step depth gauge is included.



Pace 1041 Roll Groover

Part Number	Compare to Victaulic®	Description
GRN-1041	VE-226M	Roll groover for use with drives, including depth gauges

The **Pace 1041 Roll Groover** is light, portable and easily mounts to a wide range of popular power 3/8" square ratchet drives, including the Victaulic® VPD752, Ridgid® 300/535/1224/1822 and Oster® 310 power drives (not included). Trial grooving depth is easily set with the supplied multi-step feeler gauges. An integral overload device guards against undue load being applied through the ratchet.



US orders/information: **1-877-372-5237 (1-877-DRAKA EP)** Fax: **1-252-972-6001** Canadian orders/information: **1-800-263-8279**
 International orders/information: **+1-252-984-5100** Fax: **+1-252-984-5101** Web: www.draka-ep.com



Imperial constructions designed for North American sheaves

Part Number	Application	Size	Stranding	Construction	Type	Right Lay	Breaking Load lbs • N	Rope Net Weight lbs/ft • kg/m	Component Specifications
80-000	Hoist	1/4"	8 x 19	Seale	Traction	Regular	3600 • 16000	0.09 • 0.13	Preforming All Gustav Wolf wire rope is preformed
80-002	Hoist	1/2"	8 x 19	Seale	Traction	Regular	14500 • 64500	0.36 • 0.54	
80-002LL	Hoist	1/2"	8 x 19	Seale	Traction	Lang	14500 • 64500	0.36 • 0.54	
80-002EHS	Hoist	1/2"	8 x 19	Seale	Extra H/S Traction	Regular	17500 • 77800	0.36 • 0.54	
80-002EHSLL*	Hoist	1/2"	8 x 19	Seale	Extra H/S Traction	Lang	17500 • 77800	0.36 • 0.54	
80-075FW	Hoist	1/2"	6 x 25	Filler Wire	Traction	Regular	14500 • 64500	0.40 • 0.60	
80-075HSFW*	Hoist	1/2"	6 x 25	Filler Wire	Extra H/S Traction	Regular	20400 • 90700	0.40 • 0.60	
80-038	Hoist	9/16"	8 x 19	Seale	Traction	Regular	18500 • 82300	0.46 • 0.68	
80-003	Hoist	5/8"	8 x 19	Seale	Traction	Regular	23000 • 102300	0.57 • 0.85	
80-003LL	Hoist	5/8"	8 x 19	Seale	Traction	Lang	23000 • 102300	0.57 • 0.85	
80-003EHS	Hoist	5/8"	8 x 19	Seale	Extra H/S Traction	Regular	27200 • 121000	0.57 • 0.85	
80-003EHSLL	Hoist	5/8"	8 x 19	Seale	Extra H/S Traction	Lang	27200 • 121000	0.57 • 0.85	
80-076FW	Hoist	5/8"	6 x 25	Filler Wire	Traction	Regular	23000 • 102300	0.63 • 0.94	
80-039	Hoist	11/16"	8 x 19	Seale	Traction	Regular	27000 • 120100	0.69 • 1.03	
80-039LL	Hoist	11/16"	8 x 19	Seale	Traction	Lang	27000 • 120100	0.69 • 1.03	
80-039EHS	Hoist	11/16"	8 x 19	Seale	Extra H/S Traction	Regular	32800 • 145900	0.69 • 1.03	
80-013*	Hoist	3/4"	8 x 19	Seale	Traction	Regular	32000 • 142300	0.82 • 1.22	
80-040*	Hoist	13/16"	8 x 19	Seale	Traction	Regular	37000 • 164600	0.96 • 1.43	
80-014*	Hoist	7/8"	8 x 19	Seale	Traction	Regular	42000 • 186800	1.11 • 1.65	
80-042*	Hoist	1"	8 x 19	Seale	Traction	Regular	54000 • 240200	1.45 • 2.16	
80-001	Governor	3/8"	8 x 19	Seale	Traction	Regular	8200 • 36400	0.20 • 0.30	
80-001W	Governor	3/8"	8 x 19	Warrington	Traction	Regular	8200 • 36400	0.20 • 0.30	
80-010IRONW	Governor	3/8"	8 x 19	Warrington	Iron	Regular	4200 • 18600	0.20 • 0.30	
80-007IRONW	Governor	7/16"	8 x 19	Warrington	Iron	Regular	5600 • 24900	0.28 • 0.42	
80-011IRONFW	Comp./Gov.	1/2"	8 x 25	Filler Wire	Iron	Regular	7200 • 32000	0.36 • 0.54	
80-002FW	Comp./Gov.	1/2"	8 x 25	Filler Wire	Traction	Regular	14500 • 64500	0.36 • 0.54	
80-076IRONFW	Comp./Gov.	5/8"	6 x 25	Filler Wire	Iron	Regular	12800 • 56900	0.63 • 0.94	
80-012IRONFW	Comp./Gov.	5/8"	8 x 25	Filler Wire	Iron	Regular	11200 • 49800	0.57 • 0.85	
80-003FW	Compensation	5/8"	8 x 25	Filler Wire	Traction	Regular	23000 • 102300	0.57 • 0.85	

ISO 4344
DIN 12385



Metric constructions designed for harder sheaves

Part Number	Application	Size	Stranding	Construction	Type	Right Lay	Breaking Load lbs • N	Rope Net Weight lbs/ft • kg/m	Specifications
80-005*	Hoist	8 mm	8 x 19	Seale	N/A	Regular	6400 • 28400	0.15 • 0.22	Preforming All Gustav Wolf wire rope is preformed
80-006	Hoist	10 mm	8 x 19	Seale	N/A	Regular	9900 • 44000	0.24 • 0.35	
80-008	Hoist	12 mm	8 x 19	Seale	N/A	Regular	14400 • 64000	0.34 • 0.50	
80-009*	Hoist	13 mm	8 x 19	Seale	N/A	Regular	16800 • 74700	0.40 • 0.60	
80-098*	Hoist/Comp.	16 mm	8 x 19	Seale	N/A	Regular	25300 • 112500	0.57 • 0.85	
80-045*	Hoist	8mm	8 x 19	Seale/IWRC	Extra H/S Traction	Regular	8100 • 36000	0.16 • 0.24	
80-017*	Hoist	10 mm	8 x 19	Seale/IWRC	Extra H/S Traction	Regular	12900 • 57400	0.26 • 0.39	
80-021*	Hoist	13 mm	8 x 19	Seale/IWRC	Extra H/S Traction	Regular	22000 • 97800	0.44 • 0.66	
80-024*	Hoist	16 mm	8 x 19	Seale/IWRC	Extra H/S Traction	Regular	33100 • 147200	0.66 • 0.99	
80-026*	Hoist	18 mm	8 x 19	Seale/IWRC	Extra H/S Traction	Regular	41400 • 184200	0.83 • 1.23	
80-048*	Hoist	19 mm	8 x 19	Seale/IWRC	Extra H/S Traction	Regular	46500 • 206900	0.93 • 1.38	
80-056*	Hoist	8 mm	8 x 19	Warrington/IWRC	Extra H/S Traction	Regular	8600 • 38200	0.18 • 0.26	
80-029*	Hoist	10 mm	8 x 19	Warrington/IWRC	Extra H/S Traction	Regular	13500 • 60000	0.27 • 0.40	
80-031*	Hoist	12 mm	8 x 19	Warrington/IWRC	Extra H/S Traction	Regular	19400 • 86300	0.39 • 0.58	
80-033*	Hoist	13 mm	8 x 19	Warrington/IWRC	Extra H/S Traction	Regular	22400 • 99600	0.45 • 0.67	
80-036*	Hoist	16 mm	8 x 19	Warrington/IWRC	Extra H/S Traction	Regular	34300 • 152600	0.69 • 1.02	
80-004*	Hoist	18 mm	8 x 19	Warrington/IWRC	Extra H/S Traction	Regular	43000 • 191300	0.86 • 1.28	

*Special order - these are not normally stocked. Call 1-877-DRAKA-EP for details.

See pages 54 and 112 for wire rope cutting tools.

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International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Wire Rope

Bethlehem Wire Rope manufactured by WireRope Works, Inc.



ASME A17

wire rope/traction

Part Number	Application	Size	Stranding	Construction	Type	Right Lay	Breaking Load lbs • N	Rope Net Weight lbs/ft • kg/m	Construction Key
104860	Hoist	3/8"	6 x 25	FW, PF	Extra H/S Traction	Regular	11600 • 52200	0.23 • 0.34	PF = Preformed
106800	Hoist	3/8"	8 x 19	S, PF	Extra H/S Traction	Lang	9900 • 44550	0.20 • 0.30	N-PF = Not Preformed
106810	Hoist	3/8"	8 x 19	S, PF, LP	Extra H/S Traction	Lang	11000 • 49500	0.23 • 0.34	PS = Prestretched
106811	Hoist	3/8"	8 x 19	S, PF, LP, PS	Extra H/S Traction	Lang	11000 • 49500	0.23 • 0.34	S = Seale
106700	Hoist	3/8"	8 x 19	S, PF, PS	Extra H/S Traction	Lang	9900 • 44550	0.20 • 0.30	W = Warrington
110200	Hoist	1/2"	6 x 25	FW, PF	Traction	Regular	14500 • 65250	0.40 • 0.60	FW = Filler Wire
110201	Hoist	1/2"	6 x 25	FW, PF, PS	Traction	Regular	14500 • 65250	0.40 • 0.60	LP = Liftpac
110400	Hoist	1/2"	6 x 25	FW, PF	Extra H/S Traction	Regular	20400 • 91800	0.40 • 0.60	Lay
110401	Hoist	1/2"	6 x 25	FW, PF, PS	Extra H/S Traction	Regular	20400 • 91800	0.40 • 0.60	All Bethlehem wire rope is right lay
111600	Hoist	1/2"	8 x 19	S, PF	Traction	Regular	14500 • 65250	0.36 • 0.54	Core
111601	Hoist	1/2"	8 x 19	S, PF, PS	Traction	Regular	14500 • 65250	0.36 • 0.54	All Bethlehem wire rope is Fiber Core
111626	Hoist	1/2"	8 x 19	S, PF, LP	Traction	Lang	16000 • 72000	0.39 • 0.58	Available in
111627	Hoist	1/2"	8 x 19	S, PF, LP, PS	Traction	Lang	16000 • 72000	0.39 • 0.58	Alabama (southern)
111700	Hoist	1/2"	8 x 19	S, PF, PS	Traction	Lang	14500 • 65250	0.36 • 0.54	Alaska
111900	Hoist	1/2"	8 x 19	S, PF	Traction	Lang	14500 • 65250	0.36 • 0.54	Arizona
112200	Hoist	1/2"	8 x 19	S, PF	Extra H/S Traction	Lang	17500 • 78750	0.36 • 0.54	Arkansas
112201	Hoist	1/2"	8 x 19	S, PF, PS	Extra H/S Traction	Lang	17500 • 78750	0.36 • 0.54	California
112500	Hoist	1/2"	8 x 19	S, PF	Extra H/S Traction	Regular	17500 • 78750	0.36 • 0.54	Colorado
112501	Hoist	1/2"	8 x 19	S, PF, PS	Extra H/S Traction	Regular	17500 • 78750	0.36 • 0.54	Hawaii
115800	Hoist	9/16"	8 x 19	S, PF	Traction	Regular	18500 • 83250	0.46 • 0.68	Idaho
115802	Hoist	9/16"	8 x 19	S, PF, PS	Traction	Regular	18500 • 83250	0.46 • 0.68	Kansas
118500	Hoist	5/8"	6 x 25	FW, PF	Traction	Regular	23000 • 103500	0.63 • 0.94	Louisiana
118505	Hoist	5/8"	6 x 25	FW, PF, PS	Traction	Regular	23000 • 103500	0.63 • 0.94	Mississippi
118650	Hoist	5/8"	6 x 25	FW, PF	Extra H/S Traction	Lang	31600 • 142200	0.63 • 0.94	Missouri
118651	Hoist	5/8"	6 x 25	FW, PF, PS	Extra H/S Traction	Lang	31600 • 142200	0.63 • 0.94	Montana
118700	Hoist	5/8"	6 x 25	FW, PF	Extra H/S Traction	Regular	31600 • 142200	0.63 • 0.94	Nevada
118800	Hoist	5/8"	6 x 25	FW, PF, PS	Extra H/S Traction	Regular	31600 • 142200	0.63 • 0.94	New Mexico
121200	Hoist	5/8"	8 x 19	S, PF, PS	Traction	Regular	23000 • 103500	0.57 • 0.85	Oklahoma
121400	Hoist	5/8"	8 x 19	S, PF	Traction	Regular	23000 • 103500	0.57 • 0.85	Oregon
121600	Hoist	5/8"	8 x 19	S, PF	Traction	Lang	23000 • 103500	0.57 • 0.85	Tennessee (western)
121652	Hoist	5/8"	8 x 19	S, PF, LP	Traction	Lang	25400 • 114300	0.62 • 0.92	Texas
121653	Hoist	5/8"	8 x 19	S, PF, LP, PS	Traction	Lang	25400 • 114300	0.62 • 0.92	Utah
121900	Hoist	5/8"	8 x 19	S, PF, PS	Extra H/S Traction	Regular	27200 • 122400	0.57 • 0.85	Washington
122100	Hoist	5/8"	8 x 19	S, PF, PS	Extra H/S Traction	Lang	27200 • 122400	0.57 • 0.85	Wyoming
122300	Hoist	5/8"	8 x 19	S, PF	Extra H/S Traction	Lang	27200 • 122400	0.57 • 0.85	All of Canada
122500	Hoist	5/8"	8 x 19	S, PF	Extra H/S Traction	Regular	27200 • 122400	0.57 • 0.85	
122900	Hoist	5/8"	8 x 21	FW, PF	Traction	Lang	23000 • 103500	0.57 • 0.85	
124550	Hoist	11/16"	8 x 19	S, PF, PS	Extra H/S Traction	Lang	32800 • 147600	0.69 • 1.03	
124900	Hoist	11/16"	8 x 19	S, PF	Traction	Regular	27000 • 121500	0.69 • 1.03	
125000	Hoist	11/16"	8 x 19	S, PF, PS	Traction	Regular	27000 • 121500	0.69 • 1.03	
125300	Hoist	11/16"	8 x 19	S, PF	Extra H/S Traction	Regular	32800 • 147600	0.69 • 1.03	
125301	Hoist	11/16"	8 x 19	S, PF, PS	Extra H/S Traction	Regular	32800 • 147600	0.69 • 1.03	
125400	Hoist	11/16"	8 x 19	S, PF	Extra H/S Traction	Lang	32800 • 147600	0.69 • 1.03	
126823	Hoist	3/4"	6 x 25	FW, PF	Extra H/S Traction	Regular	45200 • 203400	0.90 • 1.34	
126824	Hoist	3/4"	6 x 25	FW, PF, PS	Extra H/S Traction	Regular	45200 • 203400	0.90 • 1.34	
130000	Hoist	3/4"	8 x 19	S, PF	Traction	Regular	32000 • 144000	0.82 • 1.22	
130001	Hoist	3/4"	8 x 19	S, PF, PS	Traction	Regular	32000 • 144000	0.82 • 1.22	
130100	Hoist	3/4"	8 x 19	S, PF	Extra H/S Traction	Regular	38900 • 175050	0.82 • 1.22	
130300	Hoist	3/4"	8 x 19	S, PF	Extra H/S Traction	Lang	38900 • 175050	0.82 • 1.22	
130301	Hoist	3/4"	8 x 19	S, PF, PS	Extra H/S Traction	Lang	38900 • 175050	0.82 • 1.22	

See pages 54 and 112 for wire rope cutting tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Wire Rope

Bethlehem Wire Rope manufactured by Wire Rope Works, Inc.



ASME A17

Wire rope/traction

Part Number	Application	Size	Stranding	Construction	Type	Right Lay	Breaking Load lbs • N	Rope Net Weight lbs/ft • kg/m	Construction Key
104000	Governor	5/16"	8 x 19	S, PF	Traction	Regular	5600 • 25200	0.14 • 0.21	PF = Performed
106500	Governor	3/8"	8 x 19	S, PF	Traction	Regular	8200 • 36900	0.20 • 0.30	N-PF = Not Performed
106501	Governor	3/8"	8 x 19	S, PF, PS	Traction	Regular	8200 • 36900	0.20 • 0.30	PS = Prestretched
106890	Governor	3/8"	8 x 19	W, PF	Iron	Regular	4200 • 18900	0.20 • 0.30	S = Seale
106900	Governor	3/8"	8 x 19	W, N-PF	Iron	Regular	4200 • 18900	0.20 • 0.30	W = Warrington
107100	Governor	3/8"	8 x 19	W, N-PF	Traction	Regular	8200 • 36900	0.20 • 0.30	FW = Filler Wire
108530	Governor	7/16"	8 x 19	W, PF	Iron	Regular	5600 • 25200	0.28 • 0.42	LP = Liftpac
108540	Governor	7/16"	8 x 19	S, PF	Traction	Regular	11000 • 49500	0.28 • 0.42	
113110	Comp./Gov.	1/2"	8 x 25	FW, PF	Iron	Regular	7200 • 32400	0.36 • 0.54	Lay All Bethlehem wire rope is right lay
113400	Comp./Gov.	1/2"	8 x 25	FW, PF	Traction	Regular	14500 • 65250	0.36 • 0.54	Core All Bethlehem wire rope is Fiber Core
113500	Comp./Gov.	1/2"	8 x 25	FW, PF, PS	Traction	Regular	14500 • 65250	0.36 • 0.54	Available in Alabama (southern) Alaska Arizona Arkansas California Colorado Hawaii Idaho Kansas Louisiana Mississippi Missouri Montana Nevada New Mexico Oklahoma Oregon Tennessee (western) Texas Utah Washington Wyoming All of Canada
116050	Comp./Gov.	9/16"	8 x 25	FW, PF	Iron	Regular	9200 • 41400	0.46 • 0.68	
118350	Comp./Gov.	5/8"	6 x 25	FW, PF	Iron	Regular	12800 • 57600	0.65 • 0.97	
123090	Comp./Gov.	5/8"	8 x 25	FW, PF	Iron	Regular	11200 • 50400	0.57 • 0.85	
123200	Comp./Gov.	5/8"	8 x 25	FW, PF, PS	Traction	Regular	23000 • 103500	0.57 • 0.85	
123400	Comp./Gov.	5/8"	8 x 25	FW, PF	Traction	Regular	23000 • 103500	0.57 • 0.85	
125900	Comp./Gov.	11/16"	8 x 25	FW, PF	Traction	Regular	27000 • 121500	0.69 • 1.03	
130518	Comp./Gov.	3/4"	8 x 25	FW, PF	Iron	Regular	16000 • 72000	0.82 • 1.22	
142005	Comp./Gov.	1"	8 x 25	FW, PF	Iron	Regular	28000 • 126000	1.45 • 2.16	
113100	Comp./Gov.	1/2"	8 x 25	FW, N-PF	Iron	Regular	7200 • 32400	0.36 • 0.54	
113300	Comp./Gov.	1/2"	8 x 25	FW, N-PF	Traction	Regular	14500 • 65250	0.36 • 0.54	
123100	Comp./Gov.	5/8"	8 x 25	FW, N-PF	Iron	Regular	11200 • 50400	0.57 • 0.85	
123500	Comp./Gov.	5/8"	8 x 25	FW, N-PF	Traction	Regular	23000 • 103500	0.57 • 0.85	
130800	Compensation	3/4"	8 x 25	FW, N-PF	Traction	Regular	32000 • 144000	0.82 • 1.22	
142000	Compensation	1"	8 x 25	FW, N-PF	Traction	Regular	54000 • 243000	1.45 • 2.16	
102600	Specials	1/4"	8 x 19	S, PF	Traction	Regular	3600 • 16200	0.09 • 0.13	
102601	Specials	1/4"	8 x 19	S, PF, PS	Traction	Regular	3600 • 16200	0.09 • 0.13	

See pages 54 and 112 for wire rope cutting tools.

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International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

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Wedge Sockets and Accessories

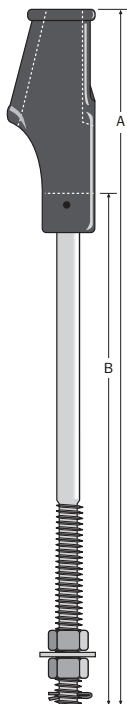
with Wedges and Retaining Clips

ASME A17

wire rope/traction

Wedge Sockets

Part Number	Rope size inches	Overall length (A) inches (nom)	Rod length (B) inches (nom)
WSY-38-12	5/16 to 3/8	17-1/2	12
WSY-38-18	5/16 to 3/8	23-3/4	18
WSY-38-24	5/16 to 3/8	30-1/8	24
WSY-12-12	7/16 to 1/2	18	12
WSY-12-18	7/16 to 1/2	24-3/8	18
WSY-12-24	7/16 to 1/2	30-5/8	24
WSY-12-30	7/16 to 1/2	36-7/8	30
WSY-12-36	7/16 to 1/2	43-1/4	36
WSY-58-12	9/16 to 5/8	19-3/4	12
WSY-58-18	9/16 to 5/8	26-1/8	18
WSY-58-24	9/16 to 5/8	32-3/8	24
WSY-58-30	9/16 to 5/8	38-3/4	30
WSY-58-36	9/16 to 5/8	45	36
WSY-34-12	11/16 to 3/4	call	12
WSY-34-18	11/16 to 3/4	call	18
WSY-34-24	11/16 to 3/4	call	24
WSY-34-30	11/16 to 3/4	call	30
WSY-34-36	11/16 to 3/4	call	36



Wedge Socket Components

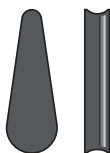
Part Number	Description	Component Specifications
WS-NUT-38	3/8" rope wedge socket nut	Socket Cast steel ASTM-A27, Grade 60-30 stress relieved
WS-NUT-12	1/2" rope wedge socket nut	
WS-NUT-58	5/8" rope wedge socket nut	Rod Rolled or forged steel ASTM 668
WS-NUT-34	3/4" rope wedge socket nut	
WS-CPIN-38	3/8" rope wedge socket cotter pin	Wedge Cast steel ASTM-A27, Grade 60-30
WS-CPIN-12	1/2" rope wedge socket cotter pin	
WS-CPIN-58	5/8" rope wedge socket cotter pin	
WS-CPIN-34	3/4" rope wedge socket cotter pin	
WS-WSHR-38	3/8" rope wedge socket washer	
WS-WSHR-12	1/2" rope wedge socket washer	
WS-WSHR-58	5/8" rope wedge socket washer	
WS-WSHR-34	3/4" rope wedge socket washer	

Each wedge socket consists of the socket, rod, wedge, 2 nuts, 1 washer, 1 cotter pin and 2 retaining clips.

Draka EP wedge sockets are tested with 8x19 extra high-traction steel wire rope and exceed ASME A17.1 Rule 2.20.9 and all other applicable safety codes.

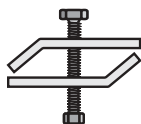
Wedge Socket Wedges

Part Number	Size and Description
WS-WEDGE-3812	3/8 to 1/2" wedge insert (black)
WS-WEDGE-58	5/8" wedge insert (red)
WS-WEDGE-34	3/4" wedge insert (yellow)



Wedge Socket Retaining Clips

Part Number	Size and Description
WS-CLIP-38	3/8" rope retaining clip
WS-CLIP-1258	1/2 to 5/8" rope retaining clip
WS-CLIP-34	3/4" rope retaining clip



US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Isolation Bushings and Babbitt Sockets

ASME A17.1
Rule 2.20.9

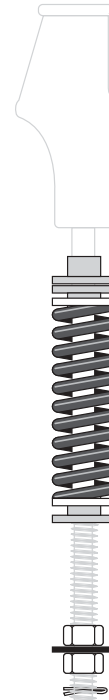
wire rope/traction



Rope Isolation Bushing Spring Assemblies and Components

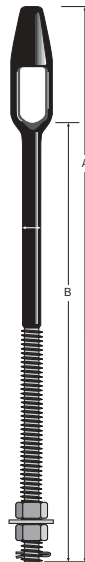
Part Number	Size and Description	Spring length inches (nom)	Spring O.D. inches (nom)	Spring I.D. inches (nom)	Component Specifications
WS-SA-38*	3/8" rope isolation bushing spring assembly	4-7/8	1-1/4	11/16	<p>Socket Cast steel ASTM-A27, Grade 60-30 stress relieved</p> <p>Rod Rolled or forged steel ASTM 668</p> <p>Wedge Cast steel ASTM-A27, Grade 60-30</p>
WS-SA-12*	1/2" rope isolation bushing spring assembly	6-1/8	1-7/8	1	
WS-SA-58*	5/8" rope isolation bushing spring assembly	6-7/8	2-7/16	1-1/4	
WS-SA-34*	3/4" rope isolation bushing spring assembly	call	call	call	
WS-IBUSH-38	3/8" rope isolation bushing	n/a	n/a	n/a	
WS-IBUSH-12	1/2" rope isolation bushing	n/a	n/a	n/a	
WS-IBUSH-58	5/8" rope isolation bushing	n/a	n/a	n/a	
WS-IBUSH-34	3/4" rope isolation bushing	n/a	n/a	n/a	
WS-SPR-38	3/8" rope isolation bushing spring	4-7/8	1-1/4	11/16	
WS-SPR-12	1/2" rope isolation bushing spring	6-1/8	1-7/8	1	
WS-SPR-58	5/8" rope isolation bushing spring	6-7/8	2-7/16	1-1/4	
WS-SPR-34	3/4" rope isolation bushing spring	call	call	call	
WS-BUSH-38	3/8" rope isolation bushing washer	n/a	n/a	n/a	
WS-BUSH-12	1/2" rope isolation bushing washer	n/a	n/a	n/a	
WS-BUSH-58	5/8" rope isolation bushing washer	n/a	n/a	n/a	
WS-BUSH-34	3/4" rope isolation bushing washer	n/a	n/a	n/a	

*Isolation bushing spring assemblies include all components listed above. They DO NOT include the wedge socket.



Babbitt Sockets

Part Number	Rod size inches	Overall length (A) inches (nom)	Rod length (B) inches (nom)	Component Specifications
BSY-12-12	1/2 x 12	18	12	<p>Shackle Forged carbon steel per JIS S35C or S38C equivalent to SAE 1035 or 1038, hot forged then normalized and tempered.</p> <p>Hex Nuts ASTM A563 Grade O</p> <p>Cotter Pin Steel, per ANSI B5.20</p>
BSY-12-18	1/2 x 18	24	18	
BSY-12-24	1/2 x 24	30	24	
BSY-58-12	5/8 x 12	19	12	
BSY-58-18	5/8 x 18	25	18	
BSY-58-24	5/8 x 24	31	24	



82-000 Babbitt material One bar at approx 9.3 lbs.

All Babbitt sockets are special order and are not normally stocked. Call 1-877-DRAKA-EP for details.

US orders/information: **1-877-372-5237 (1-877-DRAKA EP)** Fax: **1-252-972-6001** Canadian orders/information: **1-800-263-8279**
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v2005.1 0304

Wire Rope Accessories, Tools and Related Products

Preformed, Flexible, Zinc-coated Steel Wire Rope

wire rope/traction

Reeving Splices by Preformed Line Products

Part Number	Color Code	For Rope Diameter inches • mm	Length inches • mm	Rod Diameter inches • mm
RS-2103	Yellow	3/8 • 9.5	22 • 559	.051 • 1.3
RS-2105	Orange	1/2 • 12.7	29 • 736	.070 • 1.8
RS-2107	Black	5/8 • 15.9	36 • 914	.086 • 2.2

NOTE: Reeving splices are sold in sets of three - they CANNOT be reused.



Cable Bands

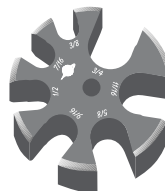
Part Number	Description	Quantity
WR-CB-38	Cable bands for 3/8" rope	50
WR-CB-12	Cable bands for 1/2" rope	50
WR-CB-58	Cable bands for 5/8" rope	50



Measuring Tool conforms to ANSI A17.1-B44 (2002)

Part Number	Description
-------------	-------------

WR-MT Conveniently-sized tool for quick and accurate measurement of wire rope diameters. If the rope fits in the groove, or if a rope with rouge fits the stepped groove, retire the rope. Machined aluminum.



Wire Rope Cutting Tools

Part Number	Description
-------------	-------------

WR-IMPACT Impact-style wire rope cutter, Morse-Starrett 101
WR-HYDRAULIC Hydraulic-style wire rope cutter, Morse-Starrett W-075
WR-RATCHET Ratchet-style wire rope cutter, Cooper Tools 8690 TN

NOTE: all cutters for wire rope diameters of up to 3/4"

WR-IMPACT

WR-HYDRAULIC

WR-RATCHET



DrakaLube™ Wire Rope Treatment

Part Number	Description
-------------	-------------

WR-DRAKALUBE DrakaLube wire rope treatment, one gallon jug
MIS-100 Automatic rope oiler, with 9" wick
MIS-102 Automatic rope oiler, with 12" wick
MIS-103 Extension bracket, for rope oiler
MIS-103A Replacement wick, for all size rope oilers
MIS-103B Replacement wick, 1/2" x 6 1/2" x 12"

WR-DRAKALUBE

MIS-100



Selector/Hoistway Door Relating Cable preformed, flexible zinc-coated wire rope

Part Number	Size inches • mm	Stranding	Minimum Breaking Strength lbs • kg	Cable Weight lbs/kft • kg/km
040219	1/16 • 1.6	7x7	480 • 218	7.5 • 11
040218	3/32 • 2.3	7x7	920 • 418	16 • 24
040215	1/8 • 3.2	7x19	2,000 • 909	29 • 43
040216	5/32 • 4.0	7x19	2,800 • 1273	45 • 67
040225	1/4 • 6.4	7x19	7,000 • 3182	110 • 164



US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com






Load Weighing Devices

Electronic LWDs from Micelect



Wire rope/traction

Patent Pending

Part Number	Description	Electrical Information	
LW-ILC3-M-STD	Load weighing device with three outputs , for 1:1 roping (13,200 lbs capacity), automatic calibration (select clamp, spacers and optional cab display from below)	24 - 48 VDC, 3 relays, 250V/3A	LW-ILC3 
LW-ILC3-M-ANLOG	Load weighing device with analog output , like above but with 0-20, 4-20 or 0-24 mA analog output	0-20, 4-20 or 0-24 mA analog output	
LW-ILC3-CLAMP-3	ILC clamp , size 3 clamp for ILC3 (4 1/2 to 6 1/4" of rope spread), two LW-SPACER required	n/a	
LW-ILC3-CLAMP-4	ILC clamp , size 4 clamp for ILC3 (6 3/8 to 7 3/8" of rope spread), two LW-SPACER required	n/a	LW-LMC 
LW-ILC3-CLAMP-5	ILC clamp , size 5 clamp for ILC3 (7 1/2 to 10 1/4" of rope spread), four LW-SPACER required	n/a	
LW-LMC	Load weighing device (body only) for 2:1 (17,600 lbs capacity) or 4:1 roping (35,200 lbs capacity) with automatic calibration (select control unit, clamp, spacers and optional cab display from below)	n/a	
LW-3DSTD	Control unit for LMC with three outputs	100 - 240 VAC, 3 relays, 250V/3A	LW-WR 
LW-ANLOG	Control unit for LMC with analog output , like above but with 0-20, 4-20 or 0-24 mA analog output	0-20, 4-20 or 0-24 mA analog output	
LW-LMC-CLAMP-4	LMC clamp , size 4 clamp for LMC (4 1/2 to 6 1/4" of rope spread), two LW-SPACER required	n/a	
LW-LMC-CLAMP-5	LMC clamp , size 5 clamp for LMC (6 3/8 to 7 3/8" of rope spread), four LW-SPACER required	n/a	
LW-LMC-CLAMP-6	LMC clamp , size 6 clamp for LMC (7 1/2 to 8 7/8" of rope spread), four LW-SPACER required	n/a	
LW-LMC-CLAMP-7	LMC clamp , size 7 clamp for LMC (9 to 10 1/4" of rope spread), four LW-SPACER required	n/a	
LW-SPACER-12	1/2" spacer , for ILC3 or LMC (two required for clamp sizes 3 and 4, four for clamp sizes 5, 6 and 7)	n/a	
LW-SPACER-58	5/8" spacer , for ILC3 or LMC (two required for clamp sizes 3 and 4, four for clamp sizes 5, 6 and 7)	n/a	
LW-WR-SENSOR-12	Load weighing device (body only) for individual ropes , for 1/2" ropes	n/a	
LW-WR-SENSOR-58	Load weighing device (body only) for individual ropes , for 5/8" ropes	n/a	
LW-MWR-STAND	Control unit for WR with three outputs , for 2 - 8 ropes	100 - 240 VAC, 3 relays, 250V/3A	
LW-MWR-ANLOG	Control unit for WR with analog output , like above but with 0-20, 4-20 or 0-24 mA analog output	0-20, 4-20 or 0-24 mA analog output	
LW-CABDISPLA-ML	Cab display , overload shown by flashing and intermittent buzzing	n/a	
LW-CABDISPLA-LPM	Cab display , load shown by progressively lit LEDs, overload by intermittent buzzing	n/a	

Micelect LWDs provide real-time data on cab weight and are accurate to within 0.5%.

No test weights are required for calibration.

All units can be connected to one of two optional cab-mounted loading/overload displays.

NOTE: LPM display cannot be used with ILC3 with analog output.

The ILC3 is for 1:1 roping with a cab weight + capacity of 13,200 lbs. (6000 kg)*.

The ILC3 has an integrated sensor body/control unit and is available with multiple outputs. It is installed above the cab.

The LMC is for 2:1 roping with a cab weight + capacity of 17,600 lbs. (8000 kg)* OR

4:1 roping with a cab weight and capacity of 35,200 lbs. (16,000 kg)*.

The LMC is installed in the overhead. It's available with multiple outputs.

A separate control unit is required and is normally mounted in the machine room.

The WR attaches to individual ropes supporting a weight + capacity of 2,200 lbs. (1000 kg) per rope. Up to eight WR sensors can be wired into a single separate MWR control unit.

Draka Elevator Products also offers portable LWDs, hydraulic pressure sensors, under-machine bedplate sensors and undercab sensors.

*Call if your cab weight + capacity is more.

ILC3 and LMC devices require the correct clamp size.

Measure the rope spread (outside edge to outside edge) to determine clamp size.

For ILC3 units:

Use **LW-ILC3-CLAMP-3** for a spread of 4 1/2" to 6 1/4" • 116 mm to 160 mm.

Use **LW-ILC3-CLAMP-4** for a spread of 6 3/8" to 7 3/8" • 161 mm to 188 mm.

Use **LW-ILC3-CLAMP-5** for a spread of 7 1/2" to 10 1/4" • 189 mm to 263 mm.

For LMC units:

Use **LW-LMC-CLAMP-4** for a spread of 4 1/2" to 6 1/4" • 116 mm to 160 mm.

Use **LW-LMC-CLAMP-5** for a spread of 6 3/8" to 7 3/8" • 161 mm to 188 mm.

Use **LW-LMC-CLAMP-6** for a spread of 7 1/2" to 8 7/8" • 189 mm to 225 mm.

Use **LW-LMC-CLAMP-7** for a spread of 9" to 10 1/4" • 226 mm to 263 mm.

Remember to order TWO SPACERS for clamp sizes 3 & 4 or FOUR SPACERS for clamp sizes 5, 6 & 7.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com



Seismic Components

Stocked at our Commerce, CA location



Q2500 Seismic Sensor

Part Number	Description	Electrical Information
QTRC-2500-P	Seismic sensor with LCD interface, with meter function	Contacts can operate to 5A @ 240 VAC

The **Draka Q2500 seismic sensor** is a user-friendly system that detects and records vertical and horizontal seismic ground movements. The system stores the peak acceleration (measured in Gs) in each axis for up to 15 seismic events and displays it on the easy-to-understand LCD interface. Alarm levels are preset to meet elevator safety code or can be user-defined. Latching contacts can be remotely reset.



The unit also functions as a meter that displays real-time acceleration and angle of deflection. It meets or exceeds ASCE 25-97, ASME 17.5, and CSA B44.1

seismic



Seismic Hardware

Part Number	Description	Part Number	Description
10-021	Screw-in connector, for 1/2" flex	30-061	LR access fitting, for 1/2" EMT, with cover and gasket
10-022	Screw-in connector, for 3/4" flex	30-049	LR access fitting, for 3/4" EMT, with cover and gasket
10-023	Screw-in connector, for 1" flex	30-113	LR access fitting, for 1" EMT, with cover and gasket
10-029	Screw-in connector, for 1-1/2" flex	30-084	LR access fitting, for 1-1/4" EMT, with cover and gasket
10-035	Screw-in connector, for 1-3/4" flex	30-088	LR access fitting, for 1-1/2" EMT, with cover and gasket
10-036	Screw-in connector, for 2" flex	30-080	LR access fitting, for 2" EMT, with cover and gasket
12-100	Screw-in coupling, for 1/2" flex	30-116	LR access fitting, for 2-1/2" EMT, with cover and gasket
12-101	Screw-in coupling, for 1/2" flex	30-056	LL access fitting, for 1/2" EMT, with cover and gasket
12-102	Screw-in coupling, for 3/4" flex	30-086	LL access fitting, for 3/4" EMT, with cover and gasket
11-045	90° screw-in connector ('Jake L'), for 1/2" flex	30-114	LL access fitting, for 1" EMT, with cover and gasket
11-046	90° screw-in connector ('Jake L'), for 3/4" flex	30-083	LL access fitting, for 1-1/4" EMT, with cover and gasket
11-064	90° screw-in connector ('Jake L'), for 1" flex	30-087	LL access fitting, for 1-1/2" EMT, with cover and gasket
12-012	Combination connector, for 1/2" EMT to flex	30-079	LL access fitting, for 2" EMT, with cover and gasket
12-013	Combination connector, for 3/4" EMT to flex	30-054	LL access fitting, for 2-1/2" EMT, with cover and gasket
30-052	LB access fitting, for 1/2" EMT, with cover and gasket	30-106	TEE access fitting, for 1/2" EMT, with cover and gasket
30-058	LB access fitting, for 3/4" EMT, with cover and gasket	30-107	TEE access fitting, for 3/4" EMT, with cover and gasket
30-053	LB access fitting, for 1" EMT, with cover and gasket	30-115	TEE access fitting, for 1" EMT, with cover and gasket
30-065	LB access fitting, for 1-1/4" EMT, with cover and gasket	30-044	TEE access fitting, for 1-1/4" EMT, with cover and gasket
30-066	LB access fitting, for 1-1/2" EMT, with cover and gasket	30-105	TEE access fitting, for 1-1/2" EMT, with cover and gasket
30-046	LB access fitting, for 2" EMT, with cover and gasket	30-108	TEE access fitting, for 2" EMT, with cover and gasket
30-051	LB access fitting, for 2-1/2" EMT, with cover and gasket		



Seismic hardware offers more secure connections than traditional hardware and is recommended for regions with higher levels of seismic activity.

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Seismic Components

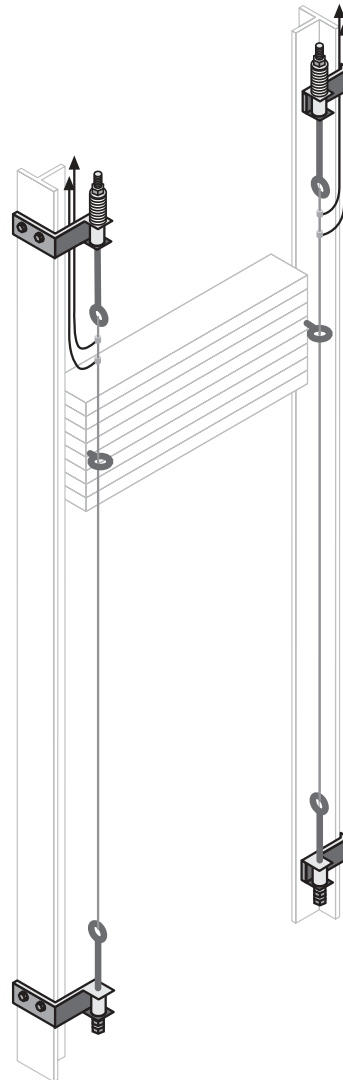
Stocked at our Commerce, CA location

Counterweight Displacement Kit (Ring on a String)

Part Number	Description
CDH-R8	Counterweight displacement kit , mounts to 8 lb. guide rails (order cable [CDH-L500, CDH-L1000 or CDH-L1500] separately)
CDH-R12	Counterweight displacement kit , mounts to 12 and 16 lb. guide rails (order cable [CDH-L500, CDH-L1000 or CDH-L1500] separately)
CDH-L500	Cable , 500' • 152 m length, 1/16" diameter, with thimbles and clips (use for up to 250' • 71 m of rise)
CDH-L1000	Cable , 1000' • 304 m length, 1/16" diameter, with thimbles and clips (use for up to 500' • 152 m of rise)
CDH-L1500	Cable , 1500' • 456 m length, 1/16" diameter, with thimbles and clips (use for up to 750' • 223 m of rise)
040219	Cable , cut to length, does not include attachment hardware, please specify length
79-103	Thimble , for 1/16" cable attachment
79-104	Crosby clip , for 1/16" cable attachment
36-178	Wire cutters , for cutting steel cable

The **Counterweight Displacement Kit** is an easily installed "ring on a string" hardware kit that, when used in conjunction with a relay circuit (not included), can signal the controller if a counterweight has been displaced due to a seismic event.

Two steel cables run parallel to the counterweight guide rails and pass through a pair of eyebolts located on the counterweight. If an eyebolt contacts a cable (which indicates a counterweight displacement), the circuit is completed and the controller stops and redirects the car immediately.



seismic

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v2005.1 0304

Cable Cross-Sections

US/Canadian Conductor Color Codes

14 AWG • 2.0mm² Conductors

Conductor Number(s)	Insulation Color
1	Black
2	White
3	Green
4 to 10	Lavender
11 to 20	Orange
21 to 30	Tan

16 AWG • 1.5mm² and 18 AWG • 0.75mm² Conductors

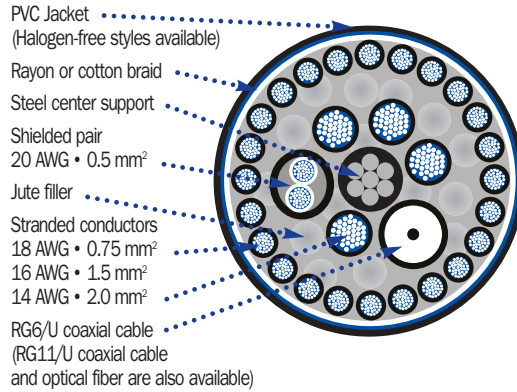
Conductor Number(s)	Insulation Color
1 to 10	Yellow
11 to 20	Orange
21 to 30	Tan
31 to 40	Blue
41 to 50	Red
51 to 60	Grey
61 to 70	Black
71 to 80	Pink
81 to 90	Brown

Shielded Pair 20 AWG • 0.5mm²

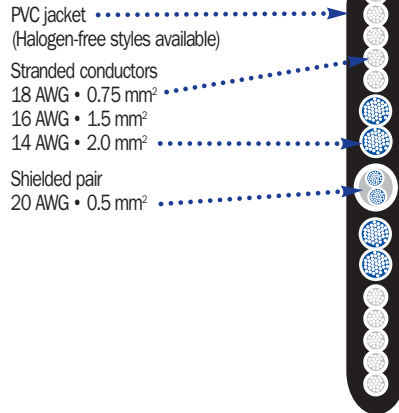
Pair Number	Jacket Color	Conductor Insulation Color
1	Red	Red/White
2	Black	Red/White
3	Yellow	Red/White
4	Orange	Red/White
5	Tan	Red/White
6	Blue	Red/White
7	Grey	Red/White
8	Pink	Red/White
9	Red	Black/White
10	Black	Black/White
11	Yellow	Black/White
12	Orange	Black/White
13	Tan	Black/White
14	Blue	Black/White
15	Grey	Black/White
16	Pink	Black/White

The above are Draka EP standard color schemes. Other conductor color schemes are available upon request to meet specific requirements.

TYPICAL SUPER-FLEX® ROUND CABLE CROSS-SECTION



TYPICAL FLAT CABLE CROSS-SECTIONS



AWG > METRIC EQUIVALENTS

12 AWG	>	3.30 mm ² - 65 strands
14 AWG	>	2.00 mm ² - 41 strands
16 AWG	>	1.50 mm ² - 26 strands
18 AWG	>	0.75 mm ² - 16 strands
20 AWG	>	0.50 mm ² - 10 strands
all strand sizes are 0.01" • 0.254 mm ²		

UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

Certifications

ISO 9001
 Draka EP's Rocky Mount facility was assessed and registered by Lloyd's Register Quality Assurance Limited for ISO 9001, EN ISO 9001 and ANSI/ASQC Q9001.

UL Listed
 for cables approved for use in the US that meet all pertinent requirements of Underwriter's Laboratories.

NEC Compliant
 for cables used within the US that meet all pertinent requirements of the 2002 National Electric Code.

CSA Certified
 for cables approved for use in Canada that meet all pertinent requirements of the Canadian Standards Association.

Pennsylvania Bureau of Deep Mine Safety
 approved for cables used in commercial mines.

US Dept. of Labor Mine Safety
 approved for cables used in commercial mines.

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Internal Components for Draka EP Finished Cables

Raw Materials

Electrical Components for Traveling and Hoistway Cables

Stranded Conductors

Bunch-stranded bare soft drawn copper. AWG sizes comply with ANSI/ASTM B174, ANSI/ASTM B3 and with Type ETT requirements of UL 62 and CSA C22.2 No. 49.

Insulation

60° C, colored, flame-retardant polyvinyl chloride complying with ETT requirements of UL 62 and CSA C22.2 No. 49.

Identification

Each insulated conductor and shielded pair is positively identified by an insulation color or a combination of insulation color and numerical markings appearing four times/foot • thirteen times/meter.

Mechanical Components for Traveling and Hoistway Cables

Steel Support for Round Traveling Cables

Preformed, flexible, low torsion, zinc-coated, steel wire rope in accordance with applicable portions of Military Specification MIL-W-83420. The steel support is insulated with 60° C flame-retardant polyvinyl chloride (Super-Flex® cables have the steel covered with a rayon or cotton braid). Complies with ANSI/ASTM, UL and CSA requirements.

Steel Support for Flat Traveling Cables

Preformed, flexible, low torsion, zinc-coated, steel wire rope in accordance with applicable portions of Military Specification MIL-W-83420. Complies with ANSI/ASTM, UL and CSA requirements.

NOTE: The National Electrical Code (NEC) requires steel support for traveling cables with hanging lengths of over 200 feet/61 meters.

Jute Filler

All fillers are electrical-grade dry jute. Fillers are an aid in producing a torsionally-balanced cable. Individual core interstice fillers distribute interlayer pressure and reduce conductor friction.

Binder

Helically-wound synthetic fiber provides maximum strength.

Braid

A rayon or cotton braid is applied over the core assembly with 95% coverage.

Jacket

The outer jacket is black, 60° C polyvinyl chloride specifically compounded for flexibility and abrasion resistance. The finished cable meets either the UL VW-1 or UL-1581 and CSA FT1 flame requirements. It also complies with ANSI/ASTM, UL and CSA requirements as needed. Operating temperatures range from +5 °F • -15 °C to +140 °F • +60 °C.

Optional rugged polyurethane (PUR) jackets are available upon request. Operating temperatures for PUR cables range from -4 °F • -20 °C to +140 °F • +60 °C.

Certain cables are available with halogen-free jackets and insulation. See page 67 for round halogen-free cable. Halogen-free flat traveling cable is also available.

Communication Components for Traveling and Hoistway Cables

Shielded Pairs

20 AWG • 0.5 mm², or 18 AWG • 0.75 mm² insulated conductors, paired together with a short lay twist, shielded with 36 AWG bare copper braid for 85% coverage. They are jacketed with colored, flame-retardant 60° C polyvinyl chloride and comply with ANSI/ASTM, UL and CSA requirements.

RG11/U Coaxial Cable

Excellent for CCTV applications. 75 ohm, UL listed. Center conductor is 16 AWG • 1.5 mm² soft drawn stranded copper insulated with cellular polyethylene, braided with bare copper for 97% coverage and jacketed with flame-retardant PVC.

Attenuation:

0.66 dB/100' • 2.16 dB/100m @ 10 MHz

1.30 dB/100' • 4.26 dB/100m @ 50 MHz

Capacitance: 17.3 pf/ft • 56.7 pf/m

RG6/U Coaxial Cable

Good for CCTV applications. 75 ohm, UL listed, CSA certified. Center conductor is 20 AWG • 0.5 mm² stranded copper insulated with cellular polyethylene, wrapped with aluminum tape (100% coverage), braided with tinned copper (60% coverage) and jacketed with flame-retardant PVC.

Attenuation:

0.65 dB/100' • 2.13 dB/100m @ 10 MHz

1.55 dB/100' • 5.08 dB/100m @ 50 MHz

Capacitance: 17.3 pf/ft • 56.7 pf/m

Fiber Optic Subunit

62.5/125 micron tight-buffered multimode optical fiber, covered with high-strength aramid yarn and jacketed with flame-retardant polyvinyl chloride.

Max. attenuation @ 850 nm: 3.75 dB/km

Max. attenuation @ 1300 nm: 1.5 dB/km

Min. bandwidth @ 850 nm: 160 MHz•km

Min. bandwidth @ 1300 nm: 500 MHz•km

Whisper-Flex® and Steadi-Flex® Components

Chain

Low carbon, electrically-welded proof coil chain. Each link is proof-tested at two times the working load limit.

Filler

Metallic bead/polyvinyl chloride mixture adds mass and forms a round cross-section.

Jacket

60°C flame-retardant polyvinyl chloride that resists oxidation, weathering, solvents, chemicals and flame.

round traveling

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

v2005.1 0304

Super-Flex[®] Traveling Cable/Type ETT/300V

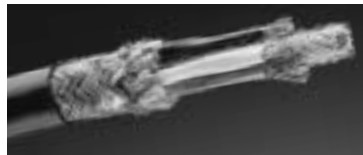
Jute Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal Conductors Only

Part Number	Product Code	Number/Type • Size of Conductors	Max. Hang Length feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs/kft • kg/km	Component Specifications
18-004-01	J 4-14	4 /14 AWG • 2.0 mm ²	200 • 61	0.48 • 12.2	132 • 196	Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot. Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC. Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction. Binder Strong, helically-wound synthetic fiber. Braid A rayon or cotton braid is applied with 95% coverage. Jacket 60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.
18-404-01	J 4-18	4 /18 AWG • 0.75 mm ²	200 • 61	0.36 • 9.14	68 • 101	
18-406-01	J 6-18	6 /18 AWG • 0.75 mm ²	200 • 61	0.43 • 10.9	96 • 143	
18-406-03	J 6-18 SP	6 /18 AWG • 0.75 mm ² NOTE: Insulation colors are green, yellow, blue, red, black and white.	200 • 61	0.43 • 10.9	96 • 143	
18-410-01	J 10-18	10 /18 AWG • 0.75 mm ²	200 • 61	0.54 • 13.7	160 • 238	
18-416-01	J 16-18	16 /18 AWG • 0.75 mm ²	200 • 61	0.64 • 16.3	219 • 326	
18-420-01	J 20-18	20 /18 AWG • 0.75 mm ²	200 • 61	0.71 • 18.0	266 • 396	
18-424-01	J 24-18	24 /18 AWG • 0.75 mm ²	200 • 61	0.73 • 18.5	304 • 452	
18-430-01	J 30-18	30 /18 AWG • 0.75 mm ²	200 • 61	0.82 • 20.8	378 • 562	
18-440-01	J 40-18	40 /18 AWG • 0.75 mm ²	200 • 61	0.92 • 23.4	475 • 707	
18-450-01	J 50-18	50 /18 AWG • 0.75 mm ²	200 • 61	1.00 • 25.4	587 • 872	



with Shielded Pairs Only

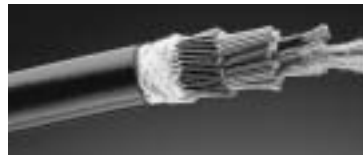
Part Number	Product Code	Number/Type • Size of Shielded Pairs	Max. Hang Length feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs/kft • kg/km
18-102-28	JCC 4x20SH	4 sh. pairs /20 AWG • 0.5 mm ²	200 • 61	0.79 • 20.1	270 • 402

Connectorized Super-Flex cables are available; see page 90. Call 1-877-372-5237 for details.
 Call 1-877-372-5237 to get a Super-Flex installation guide.
 See pages 110-112 for cable, wire and sock stripping tools.

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 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

round traveling

Super-Flex[®] Traveling Cable/Type ETT/300V
Jute Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal and Shielded Pairs

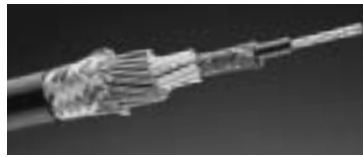
Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Max. Hang Length feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	Component Specifications
18-027-02	JC 27	3/14 AWG • 2.0 mm ² 20/18 AWG • 0.75 mm ² 2 sh. pair/20 AWG • 0.5 mm ²	200 • 61	0.94 • 23.8	466 • 693	<p>Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.</p> <p>Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.</p> <p>Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.</p> <p>Binder Strong, helically-wound synthetic fiber.</p> <p>Braid A rayon or cotton braid is applied with 95% coverage.</p> <p>Jacket 60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.</p>
18-322-05	JC 33 SP	3/14 AWG • 2.0 mm ² 22/18 AWG • 0.75 mm ² 4 sh. pair/20 AWG • 0.5 mm ² NOTE: 14 AWG • 2.0 mm ² conductors are not numbered	200 • 61	1.23 • 31.2	719 • 1070	
18-431-02	JC 37	4/14 AWG • 2.0 mm ² 31/18 AWG • 0.75 mm ² 1 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.19 • 30.2	672 • 1000	
18-038-02	JC 38 W	12/14 AWG • 2.0 mm ² 18/18 AWG • 0.75 mm ² 4 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.25 • 31.8	806 • 1199	
18-032-99	JC 45	4/14 AWG • 2.0 mm ² 39/18 AWG • 0.75 mm ² 1 sh. pair/20 AWG • 0.5 mm ²	200 • 61	0.99 • 25.1	617 • 918	
18-045-02	JC 45 D	4/14 AWG • 2.0 mm ² 31/18 AWG • 0.75 mm ² 5 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.31 • 33.3	805 • 1198	
18-445-02	JC 51	4/14 AWG • 2.0 mm ² 45/18 AWG • 0.75 mm ² 1 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.20 • 30.5	757 • 1126	
18-055-02	JC 55 D	4/14 AWG • 2.0 mm ² 41/18 AWG • 0.75 mm ² 5 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.39 • 35.3	917 • 1365	
18-057-02	JC 57	6/14 AWG • 2.0 mm ² 45/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.39 • 35.3	943 • 1403	
18-059-02	JC 59	4/14 AWG • 2.0 mm ² 49/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.22 • 30.1	872 • 1298	
18-454-02	JC 60	4/14 AWG • 2.0 mm ² 54/18 AWG • 0.75 mm ² 1 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.26 • 32.0	855 • 1272	
18-750-05	JC 61	7/14 AWG • 2.0 mm ² 50/18 AWG • 0.75 mm ² 2 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.31 • 33.3	883 • 1314	
18-456-02	JC 66	4/14 AWG • 2.0 mm ² 56/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.33 • 33.8	955 • 1421	
18-073-02	JC 73	6/14 AWG • 2.0 mm ² 61/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.35 • 34.3	1042 • 1551	
18-076-02	JC 76	66/18 AWG • 0.75 mm ² 5 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.42 • 36.1	1017 • 1513	
18-764-05	JC 79 SP	7/14 AWG • 2.0 mm ² 64/18 AWG • 0.75 mm ² 4 sh. pair/20 AWG • 0.5 mm ² NOTE: 14 AWG • 2.0 mm ² conductor #7 is dark blue	200 • 61	1.45 • 36.8	1200 • 1786	
18-476-02	JC 86	4/14 AWG • 2.0 mm ² 76/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.39 • 35.3	1128 • 1679	
18-096-02	JC 96	86/18 AWG • 0.75 mm ² 5 sh. pair/20 AWG • 0.5 mm ²	200 • 61	1.42 • 36.1	1180 • 1756	

Round Traveling

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Super-Flex® Traveling Cable/Type ETT/300V

Steel Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal Conductors Only

Part Number	Product Code	Number/Type • Size Size of Conductors	Steel Core Dia. inches • mm	Max. Hang Length [†] feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs/kft • kg/km	Component Specifications
18-004-11	WS 4-14	4/14 AWG • 2.0 mm ²	3/32 • 2.4	900 • 275	0.57 • 14.4	166 • 247	<p>Steel Central Support Preformed, flexible, low torsion, zinc-coated, steel wire rope meeting Military Specification MIL-W-83420, insulated with 60° C flame-retardant PVC and covered with a rayon or cotton braid.</p> <p>Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.</p> <p>Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.</p> <p>Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.</p> <p>Binder Strong, helically-wound synthetic fiber.</p> <p>Braid A rayon or cotton braid is applied with 95% coverage.</p> <p>Jacket 60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.</p>
18-008-11	WS 8-14	8/14 AWG • 2.0 mm ²	1/8 • 3.2	900 • 275	0.70 • 17.8	293 • 436	
18-015-11	WS 15-14	15/14 AWG • 2.0 mm ²	1/8 • 3.2	900 • 275	0.93 • 23.6	487 • 725	
18-308-11	WS 8-16	8/16 AWG • 1.5 mm ²	3/32 • 2.4	900 • 275	0.53 • 13.5	174 • 259	
18-212-11	WS 12-16	12/16 AWG • 1.5 mm ²	3/32 • 2.4	807 • 246	0.69 • 17.5	285 • 424	
18-220-11	WS 20-16	20/16 AWG • 1.5 mm ²	1/8 • 3.2	900 • 275	0.77 • 19.6	387 • 576	
18-230-11	WS 30-16	30/16 AWG • 1.5 mm ²	1/8 • 3.2	900 • 275	0.90 • 22.9	549 • 817	
18-306-11	WS 6-18	6/18 AWG • 0.75 mm ²	3/32 • 2.4	900 • 275	0.49 • 12.5	124 • 185	
18-310-11	WS 10-18	10/18 AWG • 0.75 mm ²	3/32 • 2.4	900 • 275	0.56 • 14.2	175 • 260	
18-412-11	WS 12-18	12/18 AWG • 0.75 mm ²	3/16 • 4.8	900 • 275	0.65 • 16.5	280 • 417	
18-420-11	WS 20-18	20/18 AWG • 0.75 mm ²	3/32 • 2.4	804 • 245	0.71 • 18.0	286 • 426	
18-424-11	WS 24-18	24/18 AWG • 0.75 mm ²	3/32 • 2.4	444 • 135	0.75 • 19.1	345 • 514	
18-430-11	WS 30-18	30/18 AWG • 0.75 mm ²	1/8 • 3.2	900 • 275	0.82 • 20.8	417 • 620	
18-440-11	WS 40-18	40/18 AWG • 0.75 mm ²	1/8 • 3.2	900 • 275	0.92 • 23.4	509 • 757	
18-445-11	WS 45-18	45/18 AWG • 0.75 mm ²	1/8 • 3.2	900 • 275	0.93 • 23.6	543 • 808	
18-448-11	WS 48-18	48/18 AWG • 0.75 mm ²	5/32 • 4.0	784 • 239	0.94 • 23.9	596 • 886	
18-450-11	WS 50-18	50/18 AWG • 0.75 mm ²	1/8 • 3.2	795 • 242	1.01 • 25.7	629 • 936	
18-075-40	WS 75-18 SPA	75/18 AWG • 0.75 mm ² NOTE: Conductors 1 to 10 are pink. Conductor 75 is yellow/green.	5/32 • 4.0	773 • 236	1.19 • 30.2	906 • 1348	
18-475-04	WS 75-18 A	75/18 AWG • 0.75 mm ² NOTE: Conductors 1 to 10 and 71 to 75 are pink.	5/32 • 4.0	773 • 236	1.19 • 30.2	906 • 1348	

† For longer hang length applications, call with your requirements.



with Shielded Pairs Only

Part Number	Product Code	Number/Type • Size of Shielded Pairs	Steel Core Dia. inches • mm	Max. Hang Length [†] feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs/kft • kg/km
18-301-15	WSCC 2x20 SH	2 sh. pair/20 AWG • 0.5 mm ²	3/32 • 2.4	900 • 275	0.77 • 19.1	200 • 298
18-002-15	WSCC 4x20 SH	4 sh. pair/20 AWG • 0.5 mm ²	1/8 • 3.2	900 • 275	0.79 • 20.0	330 • 491
18-003-15	WSCC 6x20 SH	6 sh. pair/20 AWG • 0.5 mm ²	1/8 • 3.2	900 • 275	0.85 • 21.6	365 • 543
18-004-15	WSCC 8x20 SH	8 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	900 • 275	1.00 • 25.4	490 • 729
18-403-15	WSCC 6x18 SH	6 sh. pair/18 AWG • 0.75 mm ²	5/32 • 4.0	900 • 275	0.93 • 23.6	418 • 622
18-404-15	WSCC 8x18 SH	8 sh. pair/18 AWG • 0.75 mm ²	5/32 • 4.0	900 • 275	1.10 • 27.9	584 • 869
18-407-15	WSCC 14x18 SH	14 sh. pair/18 AWG • 0.75 mm ²	5/32 • 4.0	714 • 218	1.44 • 36.6	981 • 1460

Connectorized Super-Flex cables are available; see page 90. Call 1-877-372-5237 for details.
 Call 1-877-372-5237 to get a Super-Flex installation guide.
 See pages 110-112 for cable, wire and sock stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
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Super-Flex[®] Traveling Cable/Type ETT/300V
Steel Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal and Shielded Pairs

Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Steel Core Dia. inches • mm	Max. Hang Length [†] feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	Component Specifications
18-020-12	CWS 20	14 / 18 AWG • 0.75 mm ² 3 sh. pairs / 20 AWG • 0.5 mm ²	3/32 • 2.4	612 • 187	0.95 • 24.1	376 • 560	<p>Steel Central Support Preformed, flexible, low torsion, zinc-coated, steel wire rope meeting Military Specification MIL-W-83420, insulated with 60° C flame-retardant PVC and covered with a rayon or cotton braid.</p> <p>Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.</p> <p>Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.</p> <p>Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.</p> <p>Binder Strong, helically-wound synthetic fiber.</p> <p>Braid A rayon or cotton braid is applied with 95% coverage.</p> <p>Jacket 60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.</p>
18-421-12	CWS 27	4 / 14 AWG • 2.0 mm ² 21 / 18 AWG • 0.75 mm ² 1 sh. pair / 20 AWG • 0.5 mm ²	5/32 • 4.0	900 • 275	0.96 • 24.4	500 • 744	
18-027-39	CSA 27	5 / 2.0 mm ² 20 / 0.75 mm ² 1 sh. pair / 0.5 mm ²	1/8 • 3.2	900 • 275	0.96 • 24.4	472 • 700	
18-035-39	CSA 35	9 / 2.0 mm ² 22 / 0.75 mm ² 2 sh. pairs / 0.5 mm ²	1/8 • 3.2	612 • 187	1.32 • 33.5	814 • 1206	
18-431-12	CWS 37	4 / 14 AWG • 2.0 mm ² 31 / 18 AWG • 0.75 mm ² 1 sh. pair / 20 AWG • 0.5 mm ²	5/32 • 4.0	900 • 275	1.18 • 30.0	700 • 1042	
18-044-12	CWS 44	14 / 14 AWG • 2.0 mm ² 24 / 18 AWG • 0.75 mm ² 3 sh. pairs / 20 AWG • 0.5 mm ²	5/32 • 4.0	753 • 230	1.33 • 33.8	929 • 1382	
18-X24-34	CSA 44	14 / 1.5 mm ² 24 / 0.75 mm ² 3 sh. pairs / 0.5 mm ²	5/32 • 4.0	816 • 249	1.33 • 33.8	859 • 1272	
18-045-12	CWS 45 D	4 / 14 AWG • 2.0 mm ² 31 / 18 AWG • 0.75 mm ² 5 sh. pairs / 20 AWG • 0.5 mm ²	5/32 • 4.0	776 • 237	1.31 • 33.3	902 • 1342	
18-A46-12	CWS 46	8 / 14 AWG • 2.0 mm ² 30 / 18 AWG • 0.75 mm ² 4 sh. pairs / 20 AWG • 0.5 mm ²	5/32 • 4.0	769 • 234	1.32 • 33.5	910 • 1354	
18-441-12	CWS 47	4 / 14 AWG • 2.0 mm ² 41 / 18 AWG • 0.75 mm ² 1 sh. pair / 20 AWG • 0.5 mm ²	5/32 • 4.0	900 • 275	1.20 • 30.5	771 • 1147	
18-47L-12	CWS 47 LO	11 / 14 AWG • 2.0 mm ²	5/32 • 4.0	695 • 212	1.40 • 35.6	1012 • 1498	
18-47H-12	CWS 47 HI	22 / 18 AWG • 0.75 mm ² 7 sh. pairs / 20 AWG • 0.5 mm ²	5/32 • 4.0	695 • 212	1.40 • 35.6	1012 • 1498	
NOTE ON CWS 47 LO: 14 AWG • 2.0 mm ² conductors are numbered 1 to 11 18 AWG • 0.75 mm ² conductors are numbered 1 to 22 20 AWG • 0.5 mm ² pairs have red/white conductors within red, black, yellow, orange, tan, blue and gray jackets NOTE ON CWS 47 HI: 14 AWG • 2.0 mm ² conductors are numbered 12 to 22. 18 AWG • 0.75 mm ² conductors are numbered 23 to 44. 20 AWG • 0.5 mm ² pairs have red/white conductors within a pink jacket and black/white conductors within red, black, yellow, orange, tan and blue jackets.							
18-L47-34*	CSA 47 LO	11 / 1.5 mm ²	5/32 • 4.0	695 • 212	1.40 • 35.6	1007 • 1491	
18-H47-34*	CSA 47 HI	22 / 0.75 mm ² 7 sh. pairs / 0.5 mm ²	5/32 • 4.0	695 • 212	1.40 • 35.6	1007 • 1491	
NOTE ON CSA 47 LO: 16 AWG • 1.5 mm ² conductors are numbered 1 to 11 18 AWG • 0.75 mm ² conductors are numbered 1 to 22 NOTE ON CSA 47 HI: 16 AWG • 1.5 mm ² conductors are numbered 12 to 22 18 AWG • 0.75 mm ² conductors are numbered 23 to 44							
18-445-12	CWS 51	4 / 14 AWG • 2.0 mm ² 45 / 18 AWG • 0.75 mm ² 1 sh. pair / 20 AWG • 0.5 mm ²	5/32 • 4.0	878 • 268	1.20 • 30.5	797 • 1186	
18-648-12	CWS 56	6 / 14 AWG • 2.0 mm ² 48 / 18 AWG • 0.75 mm ² 1 sh. pair / 20 AWG • 0.5 mm ²	5/32 • 4.0	826 • 252	1.20 • 30.5	847 • 1260	

† For longer hang length applications, call with your requirements.

*NOTE: 18-L47-34 and 18-H47-34 are not UL or CSA listed.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

v2005.1 0304

round traveling

Super-Flex[®] Traveling Cable/Type ETT/300V

Steel Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal and Shielded Pairs

Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Steel Core Dia. inches • mm	Max. Hang Length [†] feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs/kft • kg/km	Component Specifications
18-L58-12	CWS 58 LO	4/14 AWG • 2.0 mm ²	5/32 • 4.0	622 • 190	1.51 • 38.4	1125 • 1674	Steel Central Support Preformed, flexible, low torsion, zinc-coated, steel wire rope meeting Military Specification MIL-W-83420, insulated with 60° C flame-retardant PVC and covered with a rayon or cotton braid.
18-H58-12	CWS 58 HI	40/18 AWG • 0.75 mm ² 7 sh. pair/20 AWG • 0.5 mm ²					
NOTE ON CWS 58 LO: 14 AWG • 2.0 mm ² conductors are numbered 1 to 4 18 AWG • 0.75 mm ² conductors are numbered 1 to 40 20 AWG • 0.5 mm ² pairs have red/white conductors within red, black, yellow, orange, tan, blue and gray jackets NOTE ON CWS 58 HI: 14 AWG • 2.0 mm ² conductors are numbered 5 to 8 (#8 is dark blue) 18 AWG • 0.75 mm ² conductors are numbered 41 to 80 20 AWG • 0.5 mm ² pairs have black/white conductors within red, black, yellow, orange, tan, blue and gray jackets							
18-059-12	CWS 59	4/14 AWG • 2.0 mm ² 49/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	791 • 241	1.22 • 31.0	885 • 1317	Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.
18-X60-12	CWS 60	7/14 AWG • 2.0 mm ² 27/18 AWG • 0.75 mm ² 13 sh. pair/20 AWG • 0.5 mm ²	1/4 • 6.4	900 • 275	1.58 • 40.1	1289 • 1918	
18-064-12	CWS 64	22/14 AWG • 2.0 mm ² 30/18 AWG • 0.75 mm ² 6 sh. pair/20 AWG • 0.5 mm ²	1/4 • 6.4	900 • 275	1.61 • 40.9	1425 • 2120	Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.
18-661-12	CWS 71	6/14 AWG • 2.0 mm ² 61/18 AWG • 0.75 mm ² 2 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	614 • 187	1.39 • 35.3	1140 • 1696	
18-073-12	CWS 73	6/14 AWG • 2.0 mm ² 61/18 AWG • 0.75 mm ² 3 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	608 • 185	1.39 • 35.3	1151 • 1709	Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.
18-X74-12	CWS 74	20/14 AWG • 2.0 mm ² 38/18 AWG • 0.75 mm ² 8 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	491 • 150	1.54 • 39.1	1426 • 2122	
18-469-12	CWS 75	4/14 AWG • 2.0 mm ² 69/18 AWG • 0.75 mm ² 1 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	663 • 202	1.38 • 35.0	1056 • 1571	Binder Strong, helically-wound synthetic fiber.
18-881-12	CWS 81	8/14 AWG • 2.0 mm ² 59/18 AWG • 0.75 mm ² 7 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	524 • 160	1.60 • 40.6	1336 • 1988	
18-X90-12	CWS 90	6/14 AWG • 2.0 mm ² 80/18 AWG • 0.75 mm ² 2 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	555 • 169	1.46 • 37.1	1262 • 1878	Braid A rayon or cotton braid is applied with 95% coverage.
18-X94-12	CWS 94	12/14 AWG • 2.0 mm ² 70/18 AWG • 0.75 mm ² 6 sh. pair/18 AWG • 0.75 mm ²	1/4 • 6.4	900 • 275	1.68 • 42.7	1663 • 2475	
18-096-12	CWS 96	86/18 AWG • 0.75 mm ² 5 sh. pair/20 AWG • 0.5 mm ²	5/32 • 4.0	576 • 176	1.42 • 36.1	1215 • 1808	Jacket 60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.

† For longer hang length applications, call with your requirements.

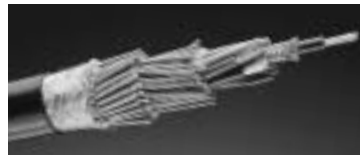
Connectorized Super-Flex cables are available; see page 90. Call 1-877-372-5237 for details.
 Call 1-877-372-5237 to get a Super-Flex installation guide.
 See pages 110-112 for cable, wire and sock stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

round traveling

Super-Flex[®] Traveling Cable/Type ETT/300V

Steel Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal, Shielded Pairs and/or Coax

Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Steel Core Dia. inches • mm	Max. Hang Length [†] feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	Component Specifications	
18-X05-13	CSX 5	3 /14 AWG • 2.0 mm ² 2 coax /RG6/U	5/32 • 4.0	900 • 275	1.00 • 25.4	460 • 685	<p>Steel Central Support Preformed, flexible, low torsion, zinc-coated, steel wire rope meeting Military Specification MIL-W-83420, insulated with 60° C flame-retardant PVC and covered with a rayon or cotton braid.</p> <p>Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.</p> <p>Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.</p> <p>Coax Cables RG6/U style with 20 AWG stranded copper conductor and cellular polyethylene dielectric. Shield is tinned copper braid and overall aluminum foil. Jacket is flame-retardant PVC.</p> <p>Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.</p> <p>Binder Strong, helically-wound synthetic fiber.</p> <p>Braid A rayon or cotton braid is applied with 95% coverage.</p> <p>Jacket 60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.</p>	
18-309-13	CSX 9	4 /14 AWG • 2.0 mm ² 2 sh. pairs /20 AWG • 0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	900 • 275	0.87 • 22.1	370 • 550		
18-214-13	CSX 14	6 sh. pairs /20 AWG • 0.5 mm ² 2 coax /RG6/U	5/32 • 4.0	900 • 275	1.06 • 26.9	570 • 848		
18-X36-13	CSX 36	17 /14 AWG • 2.0 mm ² 8 sh. pairs /20 AWG • 0.5 mm ² 3 coax /RG6/U	1/4 • 6.4	900 • 275	1.61 • 40.9	1271 • 1891		
18-X46-13	CSX 46	11 /14 AWG • 2.0 mm ² 22 /18 AWG • 0.75 mm ² 6 sh. pairs /20 AWG • 0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	683 • 208	1.44 • 36.6	1025 • 1525		
18-L46-34 18-H46-34	CSX 46A LO CSX 46A HI	11 /1.5 mm ² 22 /0.75 mm ² 6 sh. pairs /0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	695 • 212	1.50 • 38.3	1009 • 1494		
		NOTE ON CSX 46A LO: 1.5 mm ² conductors are numbered 1 to 11. 0.75 mm ² conductors are numbered 1 to 22.						
		NOTE ON CSX 46A HI: 1.5 mm ² conductors are numbered 12 to 22. 0.75 mm ² conductors are numbered 23 to 44.						
18-X47-13	CSX 47	4 /14 AWG • 2.0 mm ² 30 /18 AWG • 0.75 mm ² 6 sh. pairs /20 AWG • 0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	740 • 226	1.35 • 34.3	946 • 1408		
18-147-13	CSX 47C	7 /14 AWG • 2.0 mm ² 19 /18 AWG • 0.75 mm ² 10 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	1/4 • 6.4	900 • 275	1.58 • 40.0	1243 • 1850		
18-247-13	CSX 47 O	8 /14 AWG • 2.0 mm ² 30 /18 AWG • 0.75 mm ² 4 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	642 • 196	1.41 • 35.8	1090 • 1622		
18-X53-13	CSX 53	4 /14 AWG • 2.0 mm ² 45 /18 AWG • 0.75 mm ² 1 sh. pair /20 AWG • 0.5 mm ² 2 coax /RG6/U	5/32 • 4.0	711 • 217	1.34 • 34.0	985 • 1466		
18-X55-38	CSX 55 A	4 /14 AWG • 2.0 mm ² 46 /18 AWG • 0.75 mm ² 2 sh. pairs /20 AWG • 0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	585 • 178	1.57 • 39.9	1196 • 1780		
		NOTE ON CSX 55 A: 14 AWG • 2.0 mm ² conductor #3 is lavender. 18 AWG • 0.75 mm ² conductors numbered 1 to 10 are pink. All conductors have thicker insulation than required by UL/CSA standards.						

† For longer hang length applications, call with your requirements.

RG6/U is the standard coaxial cable used in CSX-series Super-Flex cables and the preferred cable for CCTV purposes. RG11/U coax is available as an option. See page 59 for specifics on these cables.

Connectorized Super-Flex cables are available; see page 90. Call 1-877-372-5237 for details.
Call 1-877-372-5237 to get a Super-Flex installation guide.
See pages 110-112 for cable, wire and sock stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

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round traveling

Super-Flex® Traveling Cable/Type ETT/300V

Steel Center to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal, Shielded Pairs, Coax and/or Fiber

Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Steel Core Dia. inches • mm	Max. Hang Length [†] feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs/kft • kg/km	Component Specifications
18-X57-13	CSX 57	4 /14 AWG • 2.0 mm ² 40 /18 AWG • 0.75 mm ² 6 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	5/32 • 4.0	612 • 187	1.53 • 38.9	1144 • 1702	Steel Central Support Preformed, flexible, low torsion, zinc-coated, steel wire rope meeting Military Specification MIL-W-83420, insulated with 60° C flame-retardant PVC and covered with a rayon or cotton braid.
18-X61-13	CSX 61	7 /14 AWG • 2.0 mm ² 27 /18 AWG • 0.75 mm ² 13 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	1/4 • 6.4	900 • 275	1.65 • 41.9	1373 • 2043	Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.
18-175-13	CSX 75 0	20 /14 AWG • 2.0 mm ² 38 /18 AWG • 0.75 mm ² 8 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	1/4 • 6.4	900 • 275	1.58 • 40.1	1472 • 2190	
18-377-13	CSX 77	4 /14 AWG • 2.0 mm ² 69 /18 AWG • 0.75 mm ² 1 sh. pair /20 AWG • 0.5 mm ² 2 coax /RG6/U	5/32 • 4.0	532 • 162	1.64 • 41.6	1315 • 1957	
18-X77-13	CSX 77 S	4 /14 AWG • 2.0 mm ² 60 /18 AWG • 0.75 mm ² 6 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	1/4 • 6.4	900 • 275	1.52 • 38.6	1269 • 1888	
18-061-16	CWSF 61	4 /14 AWG • 2.0 mm ² 49 /18 AWG • 0.75 mm ² 3 sh. pair /20 AWG • 0.5 mm ² 2 optical fibers	1/4 • 6.4	900 • 275	1.34 • 34.0	1125 • 1674	Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.
18-062-16	CWSF 62	7 /14 AWG • 2.0 mm ² 27 /18 AWG • 0.75 mm ² 13 sh. pair /20 AWG • 0.5 mm ² 2 optical fibers	1/4 • 6.4	900 • 275	1.58 • 40.1	1296 • 1928	Coax Cables RG6/U style with 20 AWG stranded copper conductor and cellular polyethylene dielectric. Shield is tinned copper braid and overall aluminum foil. Jacket is flame-retardant PVC.

† For longer hang length applications, call with your requirements.

RG6/U is the standard coaxial cable used in CSX-series Super-Flex cables and is used primarily for CCTV applications.

75 ohm, UL listed, CSA certified. Center conductor is 20 AWG • 0.5 mm² soft drawn stranded copper insulated with cellular polyethylene, wrapped with aluminum tape, braided with tinned copper and jacketed with flame-retardant PVC.

Attenuation: 0.65 dB/100' • 2.13 dB/100m @ 10 MHz
 1.55 dB/100' • 5.08 dB/100m @ 50 MHz

Capacitance: 17.3 pf/ft • 56.7 pf/m

RG11/U is available as an option on CSX-series Super-Flex cables and is used primarily for CCTV applications.

75 ohm, UL listed. Center conductor is 16 AWG • 1.5 mm² soft drawn stranded copper insulated with cellular polyethylene, braided with bare copper for 97% coverage, and jacketed with flame-retardant PVC.

Attenuation: 0.66 dB/100' • 2.16 dB/100m @ 10 MHz
 1.30 dB/100' • 4.26 dB/100m @ 50 MHz

Capacitance: 17.3 pf/ft • 56.7 pf/m

Fiber optic subunits are available on CWSF-series Super-Flex cables.

The fibers are 62.5/125 micron tight-buffered multimode optical fiber, covered with high-strength aramid yarn and jacketed with flame-retardant PVC.

Max. attenuation @ 850 nm: 3.75 dB/km - Min. bandwidth @ 850 nm: 160 MHz•km
 Max. attenuation @ 1300 nm: 1.5 dB/km - Min. bandwidth @ 1300 nm: 500 MHz•km

Connectorized Super-Flex cables are available; see page 90. Call 1-877-372-5237 for details.

Call 1-877-372-5237 to get a Super-Flex installation guide.

See pages 110-112 for cable, wire and sock stripping tools.

Jute Filler

Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.

Binder

Strong, helically-wound synthetic fiber.

Braid

A rayon or cotton braid is applied with 95% coverage.

Jacket

60° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated through-out. Polyurethane (PUR) jackets are available upon request.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Super-Flex® Traveling Cable/300V Halogen-free/Steel Center



with Power/Signal and Shielded Pairs

Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Steel Core Dia. inches • mm	Max. Hang Length ¹ feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	Component Specifications
18-HF2-99	HFWS40-0.75 mm ²	40/0.75 mm ²	1/8 • 4.0	898 • 274	0.94 • 24.1	532 • 779	<p>Steel Central Support Preformed, flexible, low torsion, zinc-coated, steel wire rope and covered with a rayon or cotton braid.</p> <p>Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with black 90°C zero-halogen polyolefin, identified by numerical markings appearing at least 13 times per meter.</p> <p>Jute Filler Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.</p> <p>Binder Strong, helically-wound synthetic fiber.</p> <p>Braid A rayon or cotton braid is applied with 95% coverage.</p> <p>Jacket Halogen-free polyurethane.</p>
18-HF1-99	HFCWS 63	4/2.0 mm ² 49/0.75 mm ² 5 sh. pairs/0.5 mm ²	5/32 • 4.0	397 • 121	1.39 • 35.3	1114 • 1658	
18-Z74-99	CWS74HF	20/2.0 mm ² 38/0.75 mm ² 8 sh. pairs/0.5 mm ²	5/32 • 4.0	492 • 150	1.58 • 40.1	1424 • 2119	
18-050-99	CSBS50HF	13/2.0 mm ² 25/0.75 mm ² 6 sh. pairs/0.5 mm ²	5/32 • 4.0	708 • 216	1.35 • 34.4	986 • 1467	
18-153-99	CSBS53HF	25/0.75 mm ² 14 sh. pairs/0.5 mm ²	5/32 • 4.0	672 • 205	1.53 • 38.9	1040 • 1548	

Round Traveling

Connectorized Super-Flex cables are available; see page 90. Call 1-877-372-5237 for details.
Call 1-877-372-5237 to get a Super-Flex installation guide.
See pages 110-112 for cable, wire and sock stripping tools.

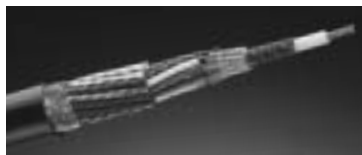
US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

v2005.1 0304

Type EO Traveling Cable/300V

Steel Center to meet UL, CSA, NEC and CEC standards

for Wet and Hazardous Applications
with Power/Signal Pairs



UL Listed
CSA Certified
NEC Compliant
CEC Compliant

Part Number	Product Code	Number/Type • Size of Conductors	Steel Core Dia. inches • mm	Max. Hang Length ¹ feet • meters	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg./km	Component Specifications
Special order	EO-414S	4 / 14 AWG • 2.0 mm ²	1/16 • 1.6	426 • 130	0.65 • 16.5	205 • 305	<p>Steel Central Support Preformed, flexible, galvanized steel wire rope meeting Military Specification MIL-W-83420, insulated with synthetic rubber and covered with a fibrous braid.</p> <p>Stranded Conductors Bunch-stranded, soft-annealed bare soft drawn copper per ASTM B3 and B174, insulated with 60°C colored synthetic rubber (SBR) complying with UL 62 and CSA 22.2 No. 49, identified by colored fibrous braids.</p> <p>Shielded Pairs Composed of insulated 20 AWG (0.5 mm²) soft-annealed bare copper conductors, twisted with an unshielded drain wire, shielded with aluminum foil /polyester tape for 100% coverage, and jacketed with colored PVC.</p> <p>Coax Cables 75 ohm RG59/U style with a copper-covered steel conductor and cellular polyethylene dielectric.</p> <p>Jute Filler Fibrous-piled jute used as necessary to provide a circular cross-section, enhance torsional stability and reduce conductor friction.</p> <p>Braid Closely-woven rayon or cotton braid.</p> <p>Jacket Polychloroprene specifically compounded for smoothness, flexibility and abrasion-resistance. UL-1581 and CSA FT-1 flame rated.</p>
Special order	EO-614S	6 / 14 AWG • 2.0 mm ²	3/32 • 2.4	552 • 168	0.78 • 19.8	303 • 451	
Special order	EO-614AS	6 / 14 AWG • 2.0 mm ²	5/32 • 4.0	1372 • 418	0.87 • 22.1	371 • 552	
Special order	EO-814S	8 / 14 AWG • 2.0 mm ²	5/32 • 4.0	1020 • 311	1.04 • 26.4	499 • 743	
Special order	EO-2414S	24 / 14 AWG • 2.0 mm ²	5/32 • 4.0	526 • 130	1.37 • 34.8	968 • 1441	
Special order	EO-2414AS	24 / 14 AWG • 2.0 mm ²	1/4 • 6.4	1253 • 382	1.37 • 34.8	1016 • 1512	
Special order	EO-3014S	30 / 14 AWG • 2.0 mm ²	5/32 • 4.0	452 • 138	1.47 • 37.3	1127 • 1677	
Special order	EO-616S	6 / 16 AWG • 1.5 mm ²	1/16 • 1.6	434 • 132	0.62 • 15.6	201 • 299	
Special order	EO-616AS	6 / 16 AWG • 1.5 mm ²	3/32 • 2.4	669 • 204	0.73 • 18.5	250 • 372	
Special order	EO-1216S	12 / 16 AWG • 1.5 mm ²	5/32 • 4.0	1024 • 312	1.01 • 25.7	497 • 740	
Special order	EO-1616S	16 / 16 AWG • 1.5 mm ²	3/32 • 2.4	313 • 95	1.10 • 27.8	534 • 795	
Special order	EO-1816S	18 / 16 AWG • 1.5 mm ²	5/32 • 4.0	773 • 235	1.21 • 30.6	659 • 981	
Special order	EO-2016S	20 / 16 AWG • 1.5 mm ²	5/32 • 4.0	766 • 233	1.18 • 30.0	665 • 990	
Special order	EO-3016S	30 / 16 AWG • 1.5 mm ²	5/32 • 4.0	534 • 163	1.41 • 35.7	954 • 1420	
Special order	EO-818S	8 / 18 AWG • 0.75 mm ²	3/32 • 2.4	904 • 276	0.62 • 15.6	185 • 275	
Special order	EO-1618S	16 / 18 AWG • 0.75 mm ²	3/32 • 2.4	448 • 137	0.89 • 22.6	373 • 555	
Special order	EO-2018S	20 / 18 AWG • 0.75 mm ²	3/32 • 2.4	473 • 144	0.91 • 23.0	404 • 601	
Special order	EO-2218S	22 / 18 AWG • 0.75 mm ²	5/32 • 4.0	1178 • 359	0.93 • 23.6	432 • 643	
Special order	EO-2418S	24 / 18 AWG • 0.75 mm ²	5/32 • 4.0	1048 • 319	0.99 • 25.1	486 • 723	
Special order	EO-3018S	30 / 18 AWG • 0.75 mm ²	1/4 • 6.4	1946 • 593	1.11 • 28.2	654 • 973	

RG59/U is the standard coaxial cable for EO cables.

NOTES: Type EO cables are not a stocking item. Please call for delivery lead times.
EO products are NOT covered under the limited lifetime warranty. See warranty page for details.

See pages 110-112 for cable, wire and sock stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Universal Hanging System

for Steel Center Traveling Cable Installations • US Patent 5,080,199

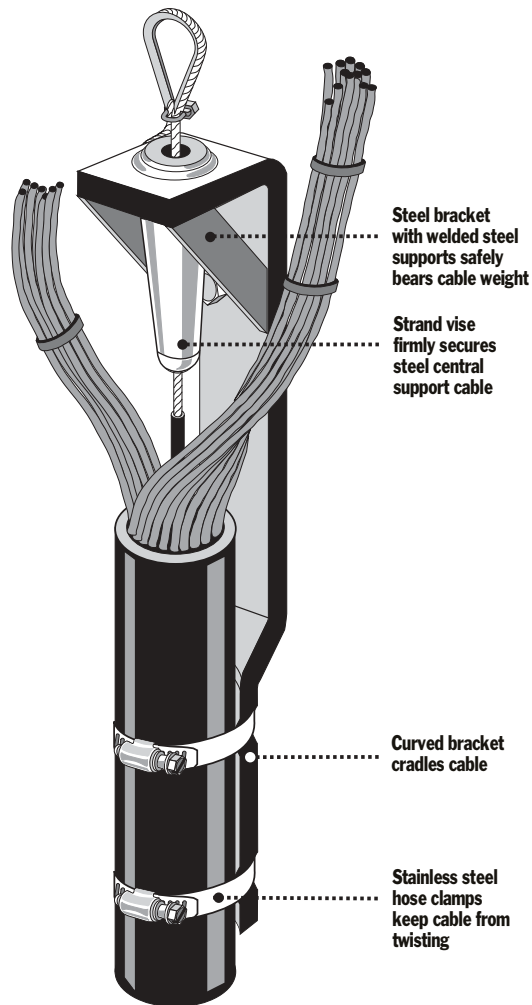
Part Number	For Steel Core Dia. inches • mm	No. of Cables Held	Max. per Cable Load lbs • kg
3/32-1 SBKT	3/32 • 2.4	1 cable	500 • 227
1/8-1 SBKT	1/8 • 3.2	1 cable	500 • 227
5/32-1 SBKT-R	5/32 • 4.0	1 cable	700 • 318
5/32-2 SBKT-R	5/32 • 4.0	2 cables	700 • 318
1/4-1 SBKT	1/4 • 6.4	1 cable	1250 • 568
1/4-2 SBKT	1/4 • 6.4	2 cables	1250 • 568
3/32 PINS-A	Replacement strand vice for 3/32" rope*		
1/8 PINS-A	Replacement strand vice for 1/8" rope*		
5/32 PINS-A	Replacement strand vice for 5/32" rope*		
1/4 PINS-A	Replacement strand vice for 1/4" rope*		

The Universal Hanging System is based around our patented Steel-Core Hanging Device which is designed to solidly grip and support the steel wire support member. It also safely secures the cable to the welded steel bracket thus preventing rotation.

The Universal Hanging System is a safe and effective unit that saves time and labor. It also has the added benefit of not having to bend (and possibly compromise) the steel support as required in other termination methods.

The Universal Hanging System is available in one and two cable configurations and comes as a kit with all installation hardware. Order two kits per cable, one for the car and one for the hoistway.

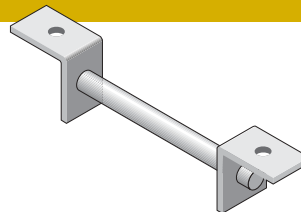
*NOTE: Replacement strand vices are for use ONLY in Universal Hanging Systems.



round traveling

Jute Core Traveling Cable Hanger for Installing Round Cable Grips

Part Number	Description
HGRJC-8	Supports grips used to hold jute cables - 8" • 20 cm clear between brackets



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v2005.1 0304

Mesh Grips Tinned Bronze/Single Eye Designs

for Jute Center Traveling Cables with maximum hanging lengths of 200 ft • 61 m

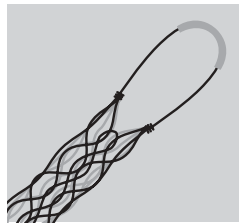
Single Eye/Single Weave/Closed Mesh

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm	Component Specifications
022-01-013	.50 to .62 • 1.27 to 1.57	106 • 48	7.0 • 178	10.0 • 254	<p>Tinned Bronze THESE GRIPS ARE INTENDED FOR LOW RISE INSTALLATIONS ONLY! A 4:1 safety factor has been applied to the maximum load.</p> <p>NEVER EXCEED THE MAXIMUM LOAD.</p> <p>To maintain original grip set, the base of all grips should be secured with several wraps of vinyl tape.</p>
022-01-014	.63 to .74 • 1.60 to 1.88	158 • 72	8.0 • 203	10.0 • 254	
022-01-015	.75 to .99 • 1.91 to 2.51	204 • 93	8.0 • 203	13.0 • 330	
022-01-017	1.00 to 1.24 • 2.54 to 3.15	322 • 146	9.0 • 229	14.0 • 356	
022-01-018	1.25 to 1.49 • 3.18 to 3.78	322 • 146	10.0 • 254	15.0 • 381	
022-01-019	1.50 to 1.74 • 3.81 to 4.42	322 • 146	12.0 • 305	17.0 • 432	
022-01-020	1.75 to 1.99 • 4.45 to 5.05	430 • 195	14.0 • 356	19.0 • 483	



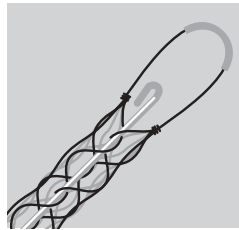
Single Eye/Single Weave/Split Laced

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
022-02-013	.50 to .62 • 1.27 to 1.57	158 • 72	7.0 • 178	10.0 • 254
022-02-014	.63 to .74 • 1.60 to 1.88	158 • 72	8.0 • 203	10.0 • 254
022-02-015	.75 to .99 • 1.91 to 2.51	204 • 93	8.0 • 203	13.0 • 330
022-02-017	1.00 to 1.24 • 2.54 to 3.15	322 • 146	9.0 • 229	14.0 • 355
022-02-018	1.25 to 1.49 • 3.18 to 3.78	322 • 146	10.0 • 254	15.0 • 381
022-02-019	1.50 to 1.74 • 3.81 to 4.42	322 • 146	12.0 • 305	17.0 • 431
022-02-020	1.75 to 1.99 • 4.45 to 5.05	430 • 195	14.0 • 356	16.5 • 419



Single Eye/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
022-03-061	.37 to .49 • .94 to 1.24	106 • 48	4.0 • 102	5.0 • 127
022-03-013	.50 to .62 • 1.27 to 1.57	106 • 48	7.0 • 178	10.0 • 254
022-03-014	.63 to .74 • 1.60 to 1.88	158 • 72	8.0 • 203	10.0 • 254
022-03-015	.75 to .99 • 1.91 to 2.51	204 • 93	8.0 • 203	13.0 • 330
022-03-017	1.00 to 1.24 • 2.54 to 3.15	322 • 146	9.0 • 229	14.0 • 356
022-03-018	1.25 to 1.49 • 3.18 to 3.78	322 • 146	10.0 • 254	15.0 • 381
022-03-019	1.50 to 1.74 • 3.81 to 4.42	322 • 146	12.0 • 305	17.0 • 432
022-03-020	1.75 to 1.99 • 4.45 to 5.05	430 • 195	14.0 • 356	19.0 • 483



*Maximum Load is based on minimum breaking strength with a 4:1 safety factor.

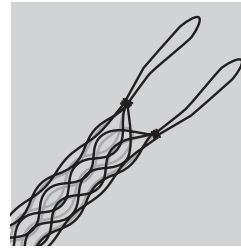
US orders/information: **1-877-372-5237 (1-877-DRAKA EP)** Fax: **1-252-972-6001** Canadian orders/information: **1-800-263-8279**
International orders/information: **+1-252-984-5100** Fax: **+1-252-984-5101** Web: www.draka-ep.com

Mesh Grips Tinned Bronze/Double Eye and Universal Bale Designs

for Jute Center Traveling Cables with maximum hanging lengths of 200 ft • 61 m

Double Eye/Single Weave/Closed Mesh

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
022-01-001	.50 to .62 • 1.27 to 1.57	106 • 48	4.0 • 102	10.0 • 254
022-01-002	.63 to .74 • 1.60 to 1.88	158 • 72	4.0 • 102	10.0 • 254
022-01-003	.75 to .99 • 1.91 to 2.51	204 • 93	5.5 • 140	12.0 • 304
022-01-005	1.00 to 1.24 • 2.54 to 3.15	322 • 146	5.0 • 127	14.0 • 356
022-01-006	1.25 to 1.49 • 3.18 to 3.78	322 • 146	5.0 • 127	15.0 • 381
022-01-007	1.50 to 1.74 • 3.81 to 4.42	322 • 146	5.0 • 127	17.0 • 432
022-01-008	1.75 to 1.99 • 4.45 to 5.05	430 • 195	6.0 • 152	19.0 • 483



Component Specifications

Tinned Bronze
THESE GRIPS ARE INTENDED FOR LOW RISE INSTALLATIONS ONLY! A 4:1 safety factor has been applied to the maximum load.

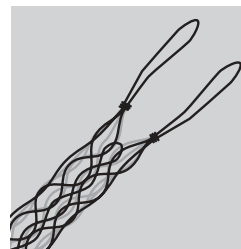
NEVER EXCEED THE MAXIMUM LOAD.

To maintain original grip set, the base of all grips should be secured with several wraps of vinyl tape.

round traveling

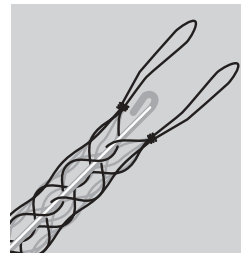
Double Eye/Single Weave/Split Laced

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
022-02-001	.50 to .62 • 1.27 to 1.57	106 • 48	4.0 • 102	10.0 • 254
022-02-002	.63 to .74 • 1.60 to 1.88	170 • 77	4.0 • 102	10.0 • 254
022-02-003	.75 to .99 • 1.91 to 2.51	204 • 93	5.5 • 140	13.0 • 330
022-02-005	1.00 to 1.24 • 2.54 to 3.15	322 • 146	5.0 • 127	14.0 • 356
022-02-006	1.25 to 1.49 • 3.18 to 3.78	322 • 146	5.0 • 127	15.0 • 381
022-02-007	1.50 to 1.74 • 3.81 to 4.42	322 • 146	5.0 • 127	17.0 • 432
022-02-008	1.75 to 1.99 • 4.45 to 5.05	430 • 195	6.0 • 152	19.0 • 483



Double Eye/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
022-03-001	.50 to .62 • 1.27 to 1.57	158 • 72	4.0 • 102	6.5 • 165
022-03-002	.63 to .74 • 1.60 to 1.88	158 • 72	4.0 • 102	8.5 • 216
022-03-003	.75 to .99 • 1.91 to 2.51	204 • 93	5.5 • 140	10.5 • 267
022-03-005	1.00 to 1.24 • 2.54 to 3.15	322 • 146	5.0 • 127	12.5 • 317
022-03-006	1.25 to 1.49 • 3.18 to 3.78	322 • 146	5.0 • 127	14.5 • 368
022-03-007	1.50 to 1.74 • 3.81 to 4.42	322 • 146	5.0 • 127	15.5 • 394
022-03-008	1.75 to 1.99 • 4.45 to 5.05	430 • 195	6.0 • 152	16.5 • 419



Universal Bale/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
022-03-064	.50 to .62 • 1.27 to 1.57	158 • 93	up to 16 • 400	8.5 • 216
022-03-065	.63 to .74 • 1.60 to 1.88	158 • 93	up to 16 • 400	8.5 • 216
022-03-066	.75 to .99 • 1.91 to 2.51	204 • 93	up to 16 • 400	10.5 • 267
022-03-068	1.00 to 1.24 • 2.54 to 3.15	322 • 146	up to 16 • 400	12.5 • 317
022-03-069	1.25 to 1.49 • 3.18 to 3.78	322 • 146	up to 16 • 400	14.5 • 368
022-03-070	1.50 to 1.74 • 3.81 to 4.42	322 • 146	up to 16 • 400	15.5 • 394
022-03-071	1.75 to 1.99 • 4.45 to 5.05	430 • 195	up to 16 • 400	16.5 • 419



*Maximum Load is based on minimum breaking strength with a 4:1 safety factor.

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International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

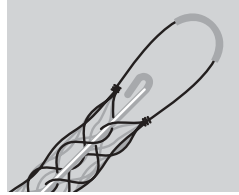
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Mesh Grips Stainless Steel

for Traveling Cables with maximum hanging lengths of 200 ft • 61 m

Single Eye Design/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
024-03-014	.63 to .74 • 1.60 to 1.88	410 • 186	8.0 • 203	8.5 • 216
024-03-015	.75 to .99 • 1.91 to 2.51	410 • 186	8.0 • 203	10.5 • 267
024-03-017	1.00 to 1.24 • 2.54 to 3.15	530 • 240	9.0 • 229	12.5 • 317
024-03-018	1.25 to 1.49 • 3.18 to 3.78	900 • 408	10.0 • 254	14.5 • 368
024-03-019	1.50 to 1.74 • 3.81 to 4.42	900 • 408	12.0 • 305	15.5 • 394



Component Specifications

Stainless Steel
THESE GRIPS ARE INTENDED FOR LOW RISE INSTALLATIONS ONLY! A 4:1 safety factor has been applied to the maximum load.

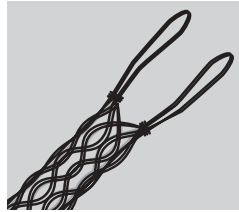
NEVER EXCEED THE MAXIMUM LOAD.

To maintain original grip set, the base of all grips should be secured with several wraps of vinyl tape.

Installations of over 40 stories should utilize the heavy duty double-weave grips for back-up purposes ONLY and not as the primary hanger.

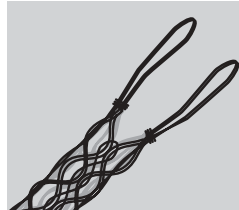
Double Eye Design/Double Weave/Closed Mesh

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
024-20-1504	1.00 to 1.24 • 2.54 to 3.15	1200 • 545	12.0 • 305	14.0 • 356
024-20-1470	1.25 to 1.49 • 3.18 to 3.78	1640 • 745	12.0 • 305	15.0 • 381
024-20-1510	1.50 to 1.74 • 3.81 to 4.42	1660 • 755	12.0 • 305	17.0 • 432
024-20-1499	1.75 to 1.99 • 4.45 to 5.05	1800 • 818	12.0 • 305	19.0 • 483
024-20-1542	2.00 to 2.50 • 5.08 to 6.35	1800 • 818	12.0 • 305	21.0 • 533



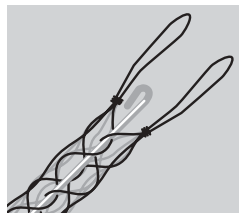
Double Eye Design/Double Weave/Split Laced

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
024-20-1284	.75 to .99 • 1.91 to 2.51	620 • 282	4.0 • 102	13.0 • 330
024-20-1285	1.00 to 1.24 • 2.54 to 3.15	800 • 364	4.0 • 102	14.0 • 356
024-20-1286	1.25 to 1.49 • 3.18 to 3.78	800 • 364	4.0 • 102	15.0 • 381
024-20-1287	1.50 to 1.74 • 3.81 to 4.42	800 • 364	4.0 • 102	17.0 • 432
024-20-1500	1.75 to 2.00 • 4.45 to 5.08	1800 • 818	12.0 • 305	19.0 • 483



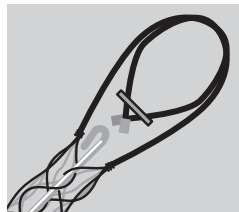
Double Eye Design/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • mm	Nom. Mesh Length inches • mm
024-03-005	1.00 to 1.24 • 2.54 to 3.15	530 • 241	5.0 • 127	12.5 • 317
024-03-006	1.25 to 1.49 • 3.18 to 3.78	900 • 409	5.0 • 127	14.5 • 368
024-03-007	1.50 to 1.74 • 3.81 to 4.42	900 • 409	5.0 • 127	15.5 • 394
024-03-008	1.75 to 2.00 • 4.45 to 5.08	1200 • 545	6.0 • 152	16.5 • 419



Universal Bale Design/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Maximum Load* lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
024-03-066	.75 to .99 • 1.91 to 2.51	336 • 153	up to 16 • 400	10.5 • 267
024-03-068	1.00 to 1.24 • 2.54 to 3.15	530 • 241	up to 16 • 400	12.5 • 317
024-03-069	1.25 to 1.49 • 3.18 to 3.78	530 • 241	up to 16 • 400	14.5 • 368
024-03-070	1.50 to 1.74 • 3.81 to 4.42	530 • 241	up to 16 • 400	15.5 • 394



*Maximum Load is based on minimum breaking strength with a 4:1 safety factor.

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Whether they're made of copper,
jute, galvanized or PVC, their
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It doesn't get any better - or surer - than this. Draka Elevator Products' now offers the best warranty in our industry for our flagship cable and wireway products. Simply stated, it's this: install it and forget it*.

Finally - the warranty you've craved for the products you want. Only from the people of Draka Elevator Products.

*Products must be installed as outlined in our free installation guides and maintained as required by industry standards. Call Draka EP for details.



Draka Elevator Products, Inc.

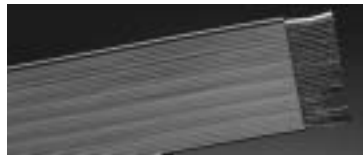
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Offices and facilities in the US, Canada, South America, Europe, South Africa, the Middle East, China, Japan, Southeast Asia and Australia

Flat Traveling Cable/Type ETP/300V

Unsupported for UL, CSA, NEC and CEC standards



UL Listed
CSA Certified
NEC Compliant
CEC Compliant

with Power/Signal Only

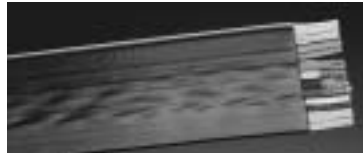
Part Number	Product Code	Number/Type • Size of Conductors	Max. Hang Length feet • meters	Cable Nom. Dim. H x W inches • mm	Cable Net Weight lbs./ft • kg/km	Component Specifications
18-212-07	P 12-16	12 /16 AWG • 1.5 mm ²	150 • 46	.21 x 1.5 • 5.3 x 38.1	231 • 344	Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60 °C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.
18-224-07	P 24-16	24 /16 AWG • 1.5 mm ²	150 • 46	.21 x 2.9 • 5.3 x 73.7	462 • 688	
18-009-07	P 9-18	9 /18 AWG • 0.75 mm ²	150 • 46	.19 x 1.0 • 4.8 x 25.4	204 • 196	
18-010-07	P 10-18	10 /18 AWG • 0.75 mm ²	150 • 46	.19 x 1.1 • 4.8 x 27.9	132 • 196	
18-016-07	P 16-18	16 /18 AWG • 0.75 mm ²	150 • 46	.19 x 1.6 • 4.8 x 41.7	235 • 350	
18-020-07	P 20-18	20 /18 AWG • 0.75 mm ²	150 • 46	.19 x 2.3 • 4.8 x 58.4	296 • 440	
18-024-07	P 24-18	24 /18 AWG • 0.75 mm ²	150 • 46	.19 x 2.7 • 4.8 x 68.6	367 • 546	

with Shielded Pairs Only

Part Number	Product Code	Number/Type • Size of Shielded Pairs	Max. Hang Length feet • meters	Cable Nom. Dim. H x W inches • mm	Cable Net Weight lbs./ft • kg/km
18-X04-07	P4PR 20SH	4 sh. pair /20 AWG • 0.5 mm ²	150 • 46	.35 x .95 • 8.9 x 24.1	184 • 274
18-X08-07	P8PR 20SH	8 sh. pair /20 AWG • 0.5 mm ²	150 • 46	.35 x 1.9 • 8.9 x 48.3	381 • 567

Shielded Pairs
Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60 °C colored, flame-retardant PVC.

Jacket
60 °C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout.



with Power/Signal and Shielded Pairs and/or Coax

Part Number	Product Code	Number/Type • Size of Conductors & Shielded Pairs	Max. Hang Length feet • meters	Cable Nom. Dim. H x W inches • mm	Cable Net Weight lbs./ft • kg/km
18-410-07	PC 16	4 /14 AWG • 2.0 mm ² 10 /18 AWG • 0.75 mm ² 1 sh. pair /20 AWG • 0.5 mm ²	150 • 46	.37 x 2.1 • 9.4 x 53.3	436 • 649
18-C17-07	PCX 17	8 sh. pair /20 AWG • 0.5 mm ² 1 coax /RG6/U	150 • 46	.44 x 2.2 • 11.2 x 55.9	497 • 740
18-X22-07	PC 22	4 /14 AWG • 2.0 mm ² 10 /18 AWG • 0.75 mm ² 4 sh. pair /20 AWG • 0.5 mm ²	150 • 46	.37 x 2.7 • 9.4 x 68.6	650 • 967

Parallel construction flat traveling cable is recommended for speeds up to 1000 ft/min • 5 m/sec.

Most versions of our flat traveling cables can be manufactured with steel support cables for longer hang lengths. Call for details.

RG6/U is the standard coaxial cable used in flat cables and is good for CCTV applications.

75 ohm, UL listed, CSA certified. Center conductor is 20 AWG • 0.5 mm² soft drawn stranded copper insulated with cellular polyethylene, wrapped with aluminum tape, braided with tinned copper and jacketed with flame-retardant PVC.

Attenuation: 0.65 dB/100' • 2.13 dB/100m @ 10 MHz
1.55 dB/100' • 5.08 dB/100m @ 50 MHz

Capacitance: 17.3 pf/ft • 56.7 pf/m

Connectorized flat cables are available; see page 90. Call 1-877-372-5237 for details.

See pages 110-112 for cable, wire and sock stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Flat Cable Suspension Devices

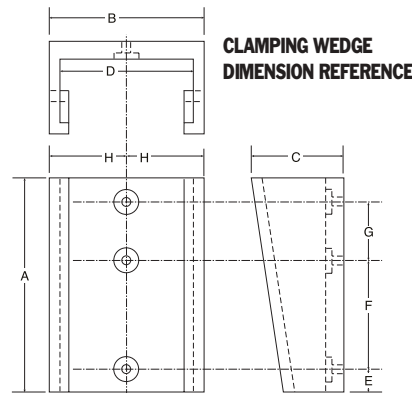
Nylon/plastic Construction for Unsupported Flat Traveling Cables up to 2 in • 42 mm in width

FCSD-2 Flat Cable Suspension Device (includes bracket and clamping wedge)

Part Number	Drawing Reference	Dimension inches • mm	Component Specifications
-------------	-------------------	-----------------------	--------------------------

FCSD-2	A	3.93 • 100
	B	2.36 • 60
	C	1.65 • 42
	D	2.05 • 52
	E	.47 • 12
	F	1.69 • 43
	G	1.22 • 31
	H	1.18 • 30

Mounting holes are $\frac{3}{16}$ (.188) in • 5mm with $\frac{17}{32}$ (.531) in • 14mm counterbore

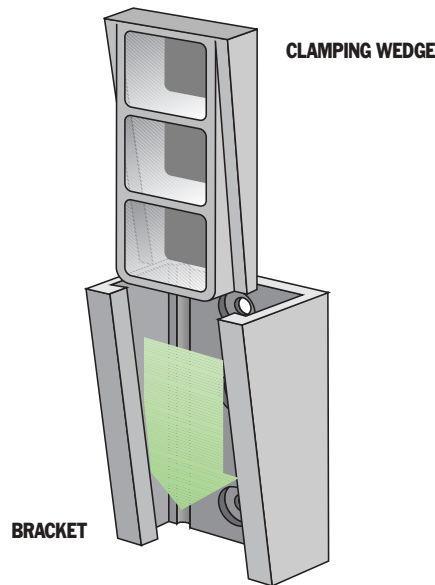


Materials
Both components are made of a molded nylon that resists abrasion, temperature and solvents.

The FCSD-2 is made of a durable nylon/plastic. It consists of a bracket (dimensions listed above) that attaches to the hoistway wall or the car, and a clamping wedge that secures the cable in the bracket.

The FCSD-2 is designed to hold up to two cables totaling a maximum thickness of .47 inches • 12 mm and maximum width of 2.0 inches • 42 mm. If multiple cables are being supported, the narrowest width cable must not be less than 70% of the width of the widest cable.

Order two devices per cable, one for the car and one for the hoistway.



flat traveling

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
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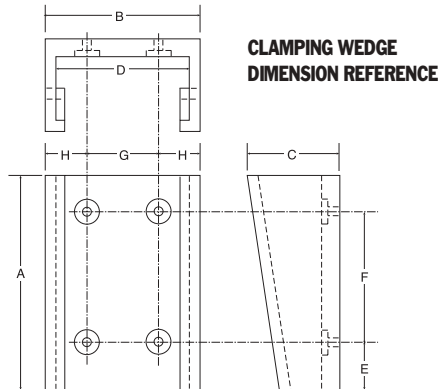
Flat Cable Suspension Devices

Nylon/plastic Construction for Unsupported Flat Traveling Cables up to 3 in • 76 mm in width

FCSD-3 Flat Cable Suspension Device (includes bracket and clamping wedge)

Part Number	Drawing Reference	Dimension inches • mm	Component Specifications
-------------	-------------------	-----------------------	--------------------------

FCSD-3	A	4.72 • 120
	B	3.43 • 87
	C	2.05 • 52
	D	2.95 • 75
	E	1.06 • 27
	F	2.87 • 73
	G	1.57 • 40
	H	.93 • 23.5



Materials

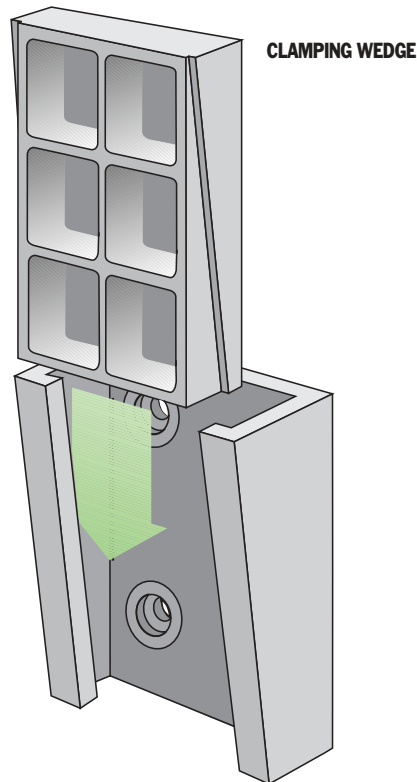
Both components are made of a molded nylon that resists abrasion, temperature and solvents.

Mounting holes are $\frac{1}{4}$ (.25) in • 6.35 mm with $\frac{17}{32}$ (.53) in • 14mm counterbore

The FCSD-3 is made of a durable nylon/plastic. It consists of a bracket (dimensions listed above) that attaches to the hoistway wall or the car, and a clamping wedge that secures the cable in the bracket.

The FCSD-3 is designed to hold up to three cables totaling a maximum thickness of .60 inches • 15mm and maximum width of 3.0 inches • 76mm. If multiple cables are being supported, the narrowest width cable must not be less than 70% of the width of the widest cable.

Order two devices per cable, one for the car and one for the hoistway.

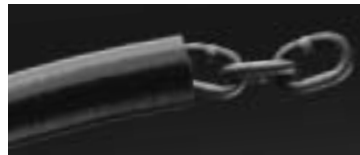


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Compensating Cable

Whisper-Flex® Compensating Cable • US Patent 4,716,989



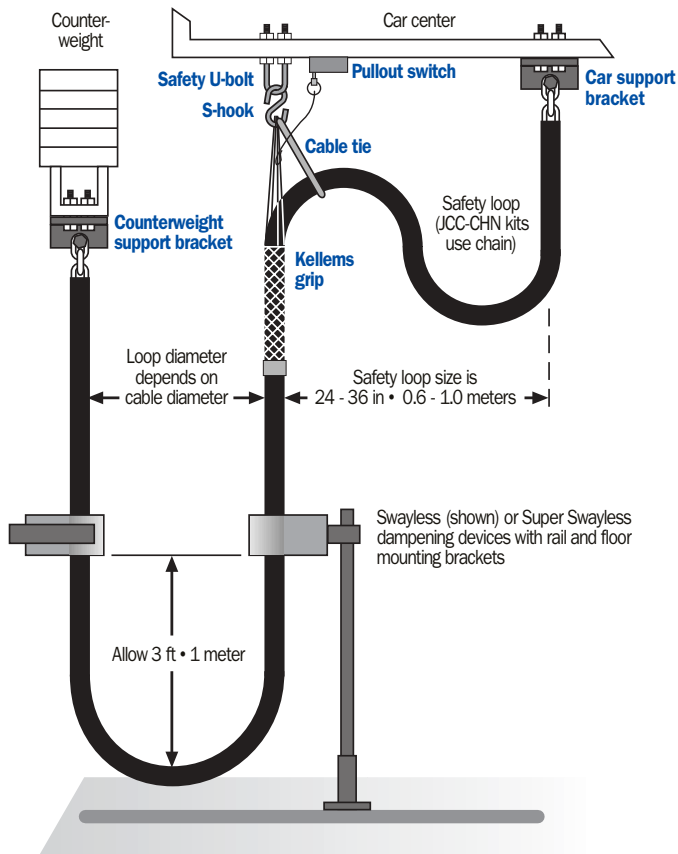
Part Number	Product Code	Cable Weight lbs/ft • kg/m	Chain Trade Size inches • mm	Cable Nom. OD inches • mm	Max. Hang Length feet • meters	Rec. Nom. Loop Width inches • mm	Component Specifications
18-010-97	WF 10	1.0 • 1.5	3/16 • 5.5	1.15 • 29	600 • 183	24 • 610	Chain Low carbon, electrically - welded proof coil chain. Each link is proof tested at two times the working load limit. Filler Metallic bead/polyvinyl chloride mixture adds mass and forms a round cross-section. Jacket 60°C flame-retardant polyvinyl chloride that resists oxidation, weathering, solvents, chemicals and flame.
18-015-97	WF 15	1.5 • 2.2	1/4 • 7	1.36 • 35	600 • 183	24 • 610	
18-020-97	WF 20	2.0 • 3.0	1/4 • 7	1.50 • 38	520 • 158	26 • 660	
18-025-97	WF 25	2.5 • 3.7	5/16 • 8	1.63 • 41	600 • 183	26 • 660	
18-030-97	WF 30	3.0 • 4.5	5/16 • 8	1.77 • 45	505 • 154	26 • 660	
18-035-97	WF 35	3.5 • 5.2	3/8 • 10	1.91 • 49	600 • 183	27 • 690	
18-040-97	WF 40	4.0 • 6.0	3/8 • 10	2.03 • 52	530 • 162	27 • 690	

Whisper-Flex cable provides smooth operation at temperatures of -15° C to +60° C and, in the US, can be used for elevators with rated speeds of no greater than 700 ft/min • 3.56 m/sec.*

Support brackets, U-bolts, S-hooks, and heavy duty stainless steel grips specifically designed for Whisper-Flex cable must be used to ensure safe installations. See pages 79 and 80 for details on this hardware.

Draka EP dampening devices are recommended to minimize cable sway for car speeds above 350 ft/min (1.8 m/sec). See pages 81-83 for information on these devices.

This diagram shows the approximate placement of components for a Whisper-Flex cable installation. Refer to the Compensating Cable Installation Guide for exact instructions on installation procedures.



Draka EP can help you determine which size of Whisper-Flex cable to use. Call 1-877-372-5237 or +1-252-984-5100 and have the following information ready:

- 1) number of hoist ropes per car
- 2) outer diameter of the hoist ropes
- 3) stranding of the hoist ropes (i.e. 8 x 19, 8 x 25...)
- 4) car roping (i.e. 1:1, 2:1, other...)
- 5) number of Whisper-Flex cables per car
- 6) length of Whisper-Flex cable needed

*based on the most current code at the time of printing: ASME A17.1 - 2004, Rule 2.21.4.2 Compensating Rope Tie-Down

Pre-stripped Whisper-Flex is available; see page 90 for details. Call 1-877-372-5237 to get the Compensating Cable Installation Guide.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com



Compensating Cable

Stedi-Flex® Wide Loop Compensating Cable • Patent Pending



Part Number	Product Code	Cable Weight lbs/ft • kg/m	Chain Trade Size inches • mm	Cable Nom. OD inches • mm	Max. Hang Length feet • meters	Rec. Nom. Loop Width* inches • meters	Component Specifications
18-L15-97	SFC 15	1.5 • 2.2	1/4 • 7	1.39 • 35	600 • 183	38 to 46 • 0.97 to 1.17	Chain Low carbon, electrically - welded proof coil chain. Each link is proof tested at two times the working load limit. Filler Metallic bead/polyvinyl chloride mixture adds mass and forms a round cross-section. Jacket 60°C flame-retardant polyvinyl chloride that resists oxidation, weathering, solvents, chemicals and flame.
18-L20-97	SFC 20	2.0 • 3.0	1/4 • 7	1.56 • 40	520 • 158	38 to 47 • 0.97 to 1.20	
18-L25-97	SFC 25	2.5 • 3.7	5/16 • 8	1.67 • 42	600 • 183	39 to 48 • 0.99 to 1.22	
18-L30-97	SFC 30	3.0 • 4.5	5/16 • 8	1.82 • 46	505 • 154	39 to 49 • 0.99 to 1.25	
18-L35-97	SFC 35	3.5 • 5.2	3/8 • 10	1.91 • 49	600 • 183	40 to 50 • 1.02 to 1.27	
18-L40-97	SFC 40	4.0 • 6.0	3/8 • 10	2.04 • 52	530 • 162	40 to 50 • 1.02 to 1.27	

Stedi-Flex cables are available with 4 week lead time.

*NOTE: Loop diameter varies with application (ex. car speed, distance between support points)

Stedi-Flex cable is a wide-loop version of our popular Whisper-Flex cable designed for use on elevators with greater than 400 feet • 122 m of travel or with elevators that have a side counterweight. It provides smooth operation at temperatures of -15° C to +60° C and can be used for elevators with rated speeds of no greater than 700 ft/min • 3.56 m/sec.*

Support brackets, U-bolts, S-hooks and heavy duty couplings specifically designed for Stedi-Flex cable must be used to ensure safe installations. Shallow pit installation hardware (JCC-XX-CHN) is recommended for use with Stedi-Flex. See page 79 for details on this hardware.

Draka's EP ShallowSwayless dampening device is recommended for use with Stedi-Flex to minimize cable sway for car speeds above 350 ft/min (1.8 m/sec). See pages 83 for information on this device.

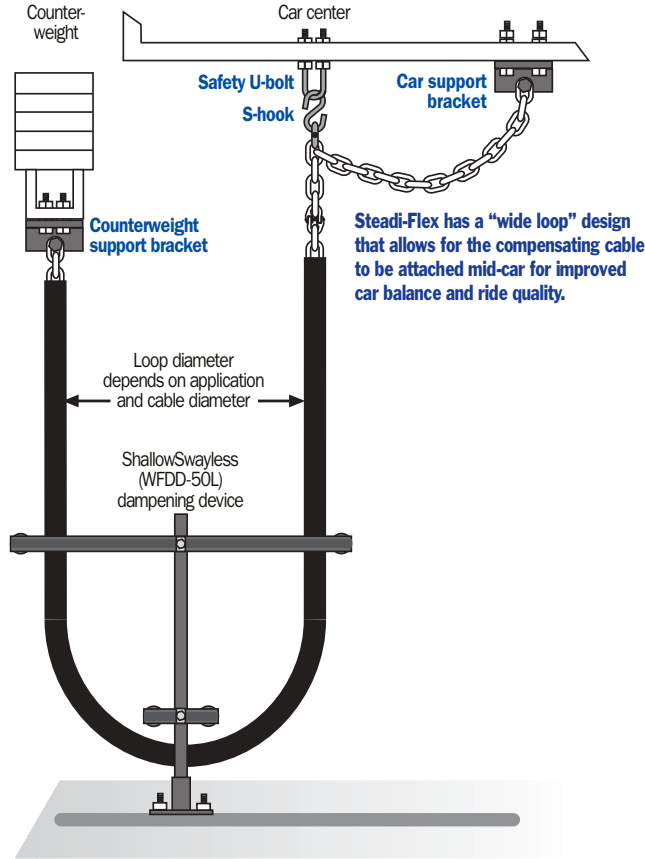
Refer to the JCC-XX-CHN sections of the Compensating Cable Installation Guide for exact instructions on installation procedures.

Draka EP can suggest which size of Stedi-Flex cable to use. Call 1-877-372-5237 or +1-252-984-5100 and have the following information ready:

- 1) number of hoist ropes per car
- 2) outer diameter of the hoist ropes
- 3) stranding of the hoist ropes (i.e. 8 x 19, 8 x 25...)
- 4) car roping (i.e. 1:1, 2:1, other...)
- 5) number of Stedi-Flex cables per car
- 6) length of Stedi-Flex cable needed

If replacing existing compensation, have ready the chain link size or cable brand name and outer diameter.

*based on the most current code at the time of printing:
ASME A17.1 - 2004, Rule 2.21.4.2 Compensating Rope Tie-Down



Pre-stripped Stedi-Flex is available; see page 90 for details.
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Compensating Cable Installation Hardware

Installation and Strip Kits

JCC Installation Kits for Whisper-Flex in Standard Pits

Part Number	For Use on Cable	Support Bracket Part No.	U-bolt Part No.	S-hook Part No.	Grip Part No.	3/4" black electrical tape Part No.	Important Note on Warranty
JCC-10	WF 10	n/a	n/a	79-011	024-20-1504	16-005	Whisper-Flex installation kits and the hardware they contain were developed specifically for use in supporting Whisper-Flex compensating cable. When used as recommended, this support system will ensure safe Whisper-Flex cable operation.
JCC-15	WF 15	n/a	n/a	79-013	024-20-1470	16-005	
JCC-20	WF 20	n/a	n/a	79-013	024-20-1510	16-005	
JCC-25	WF 25	n/a	n/a	79-016	024-20-1510	16-005	
JCC-30	WF 30	n/a	n/a	79-016	024-20-1499	16-005	
JCC-35	WF 35	n/a	n/a	79-016	024-20-1499	16-005	
JCC-40	WF 40	n/a	n/a	79-016	024-20-1542	16-005	

JCC-CHN Installation Kits for Steadi-Flex (and Whisper-Flex in Shallow Pits)

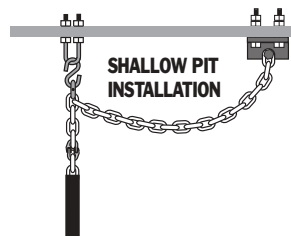
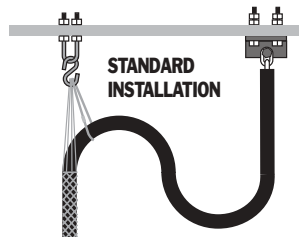
Part Number	For Use on Cable	Support Bracket Part No.	U-bolt Part No.	S-hook Part No.	Coupling(s) Part No.	4' length of Chain Part No.	Important Note on Warranty
JCC-10-CHN	WF 10	n/a	n/a	79-011	79-116	79-119	Draka EP's compensating cable installation hardware was developed specifically for use in supporting compensating cable. When used as recommended, this support system will ensure safe compensating cable operation.
JCC-20-CHN	WF/SFC 15 & 20	n/a	n/a	79-013	79-116	79-119	
JCC-30-CHN	WF/SFC 25 & 30	n/a	n/a	79-016	79-116 (qty. 2)	79-120	
JCC-40-CHN	WF/SFC 35 & 40	n/a	n/a	79-016	79-116 & 79-117	79-120	

THESE COMPONENTS ARE SPECIFICALLY DESIGNED FOR THE INSTALLATION OF WHISPER-FLEX/STEDI-FLEX CABLES. ONLY THE S-HOOK, KELLEMS GRIP AND COUPLINGS ARE AVAILABLE SEPARATELY. USE OF OTHER HARDWARE (non-Draka EP components) COULD SERIOUSLY JEOPARDIZE THE SAFETY OF THE INSTALLATION AND WILL VOID ANY WARRANTY.

Both JCC and JCC-CHN kits contain 2 Support Brackets (includes grade 8 nuts, bolts, lockwashers and hardened washers), 1 U-bolt (includes nuts and washers), and 1 S-hook.

JCC KITS use 1 stainless steel Kellems grip to form the safety/adjustment loop. See page 80 for technical specifications on grips.

JCC-CHN KITS use 1 or 2 couplings and a 4' length of chain to form the safety/adjustment loop.



The Draka EP Compensating Cable Installation Guide is available and contains easy-to-follow installation instructions.

Coupling Kits for Shallow Pits

Part Number Compensating Cable	For Use on	Chain Size Size(s)	Coupling
WF-20-CPLG	WF/SFC 10, 15 & 20	5/16"	(1) 9/32"
WF-30-CPLG	WF/SFC 25 & 30	3/8"	(2) 9/32"
WF-40-CPLG	WF/SFC 35 & 40	3/8"	(1) 9/32", (1) 3/8"



Coupling kits consist of the chain and coupling(s) from the JCC-CHN installation kits; they DO NOT include mounting brackets, U-bolts or S-hooks.

Call 1-877-372-5237 to get the Compensating Cable Installation Guide.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

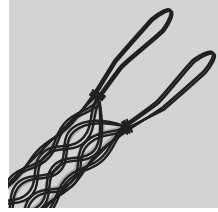
Compensating Cable Installation Hardware

Designed Specifically for Draka EP Compensating Cables

Stainless Steel Mesh Grip Double Eye/Double Weave/Closed Mesh (one required for installation)

Part Number	For use on Cables	Eye Length in • mm	Nom. Mesh Length in • mm	Maximum Load* lbs • kg
024-20-1504	WF 10	12.0 • 305	14.0 • 356	1200 • 545
024-20-1470	WF 15	12.0 • 305	15.0 • 381	1640 • 745
024-20-1510	WF 20, WF 25	12.0 • 305	17.0 • 432	1660 • 755
024-20-1499	WF 30, WF 35	12.0 • 305	19.0 • 483	1800 • 818
024-20-1542	WF 40	12.0 • 305	21.0 • 533	1800 • 818

*Maximum Load is based on minimum breaking strength with a 5:1 safety factor.



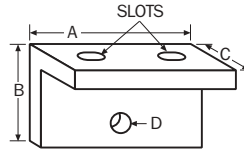
Important Note on Warranty

Draka EP's compensating cable installation hardware was developed specifically for use in supporting compensating cable. When used as recommended, this support system will ensure safe compensating cable operation.

USE OF OTHER HARDWARE (non-Draka EP components) COULD SERIOUSLY JEOPARDISE THE SAFETY OF THE WHISPER-FLEX OR STEADI-FLEX CABLE INSTALLATION AND WILL VOID ANY WARRANTY.

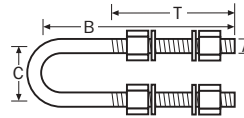
Support Bracket (two required for installation - not available separately)

Part Number	For use on Cables	Overall Size (AxBxC) in • mm	Hole D Diameter in • mm	Slot Size in • mm	Slot Center to Center in • mm
n/a	WF 10	3 x 3 x 5 • 76 x 76 x 127	0.375 • 9.5	0.5 x .875 • 13 x 22	2.625 • 66.7
n/a	WF/SFC 15 to WF/SFC 30	3 x 3 x 5 • 76 x 76 x 127	0.438 • 11	0.5 x .875 • 13 x 22	2.625 • 66.7
n/a	WF/SFC 35 to WF/SFC 40	3 x 3 x 5 • 76 x 76 x 127	0.500 • 13	0.5 x .875 • 13 x 22	2.625 • 66.7



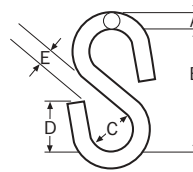
Steel U-bolt (one required for installation - not available separately)

Part Number	For use on Cables	Dim. A in • mm	Dim. B in • mm	Dim. C in • mm	Dim. T in • mm	Maximum Load* lbs • kg
n/a	WF 10 WF/SFC 15 to WF/SFC 40	.38 • 9.5	4.75 • 121	2.86 • 73	3.0 • 76	2320 • 1052



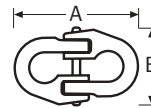
Steel S-hook (one required for installation - available for individual replacement†)

Part Number	For use on Cables	Dim. A in • mm	Dim. B in • mm	Dim. C in • mm	Dim. D in • mm	Dim. E in • mm	Yield Strength lbs • kg
79-011	WF 10	.38 • 9.5	2.38 • 60	.75 • 19	1.125 • 29	.540 • 14	1200 • 544
79-013	WF/SFC 15 to WF/SFC 20	.38 • 9.5	2.75 • 70	.75 • 19	1.125 • 29	.500 • 13	2400 • 1088
79-016	WF/SFC 25 to WF/SFC 40	.53 • 13.5	3.00 • 76	1.0 • 25	1.125 • 29	.595 • 15	4800 • 2177



Coupling (one or two required for JCC-CHN installation - see page 79)

Part Number	For use on Cables	For Chain Size in • mm	Dim. A in • mm	Dim. B in • mm	Working Load Limit lbs • kg
79-116	WF 10 to 20	9/32 • 7	2 17/32 • 64	15/16 • 23	4300 • 1950
79-117	WF/SFC 25 to 40	3/8 • 10	3 7/16 • 87	2 3/8 • 60	8800 • 4000



*Maximum Load is based on minimum breaking strength with a 5:1 safety factor.

†Since the S-Hook is designed to yield in order to alleviate possible damage in the event of obstruction, this item is available for replacement purposes.

Call 1-877-372-5237 to get the Compensating Cable Installation Guide.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Compensating Cable Accessories

Swayless® for speeds up to 500 ft/min • 2.54 m/sec - US Patent Number 6,234,277

Swayless® Dampening Device (two required per installation - mounting brackets sold separately)

Part Number	Overall Dimensions in • mm	Center opening in • mm	Quantity
WF-SRD	6 1/4 x 3 15/16 x 2 3/4 • 158 x 100 x 70	2 3/4 • 70	2
WF-SRD-1	6 1/4 x 3 15/16 x 2 3/4 • 158 x 100 x 70	2 3/4 • 70	1
WF-SRD-M*	6 1/4 x 3 15/16 x 2 3/4 • 158 x 100 x 70	2 3/4 • 70	2
WF-SRD-BR	brass ring replacement (2 3/4 • 70)		1

*NOTE: Metric version uses metric nuts and bolts for closure and attachment.

Draka EP Swayless dampening devices are recommended for maintaining smooth operation of Whisper-Flex/Steady-Flex compensating cables for speeds of up to 500 feet/min • 2.54 m/sec.

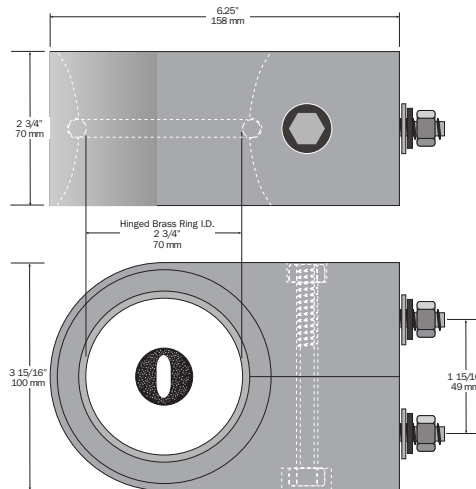
The purpose of the WF-SRD is to dampen any oscillation or cable sway that may be generated by cable motion at higher speeds. The dampening device is not usually required but can be used for speeds less than 350 feet/min • 1.78 m/sec. **Proper installation requires that compensating cable should not contact the ring of the dampening device when the cable is stationary. Cable must be centered within the holes.**

As the car and counterweight move, the dampening device keeps the Whisper-Flex compensating cable in position for optimum operation.

The WF-SRD can be used for compensating cable sizes WF10 and WF/SFC 15 to 30. Draka EP offers mounting brackets for easy installation in the elevator pit. Consult the Compensating Cable Installation Guide for the installation of dampening devices.

For shallow pits not allowing three feet height above cable loop, please call Draka EP for engineering assistance.

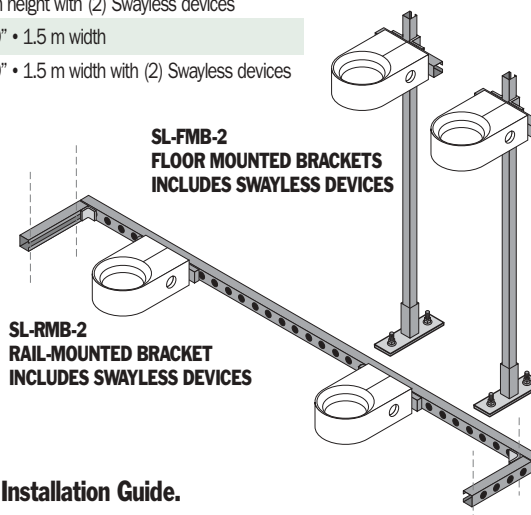
WF-SRD SWAYLESS DAMPENING DEVICE



Swayless® Mounting Brackets

Part Number	Description
SL-FMB-48	(2) floor-mounted brackets adjustable to 48" • 1.2 m height
SL-FMB-2	(2) floor-mounted brackets adjustable to 48" • 1.2 m height with (2) Swayless devices
SL-RMB-60	Counterweight rail-mounted bracket adjustable to 60" • 1.5 m width
SL-RMB-2	Counterweight rail-mounted bracket adjustable to 60" • 1.5 m width with (2) Swayless devices

These brackets are especially designed to help you to quickly and easily install Swayless devices off the counterweight guide rails and off the pit floor. They come with all the necessary hardware, including nuts and bolts.



Call 1-877-372-5237 to get the Compensating Cable Installation Guide.

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International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

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compensation

Compensating Cable Accessories

Super Swayless® for speeds up to 700 ft/min • 3.56 m/sec

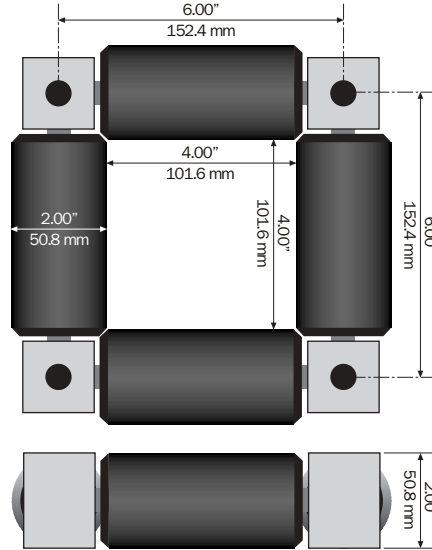
Super Swayless® Dampening Device (two required per installation - mounting brackets sold separately)

Part Number	Overall Dimensions in • mm	Mounting Hole Dia. in • mm	Quantity
WF-RDD2	8 w x 8 d x 2 t • 203 w x 203 d x 50 t	1/2 • 13	1

WF-RDD2 Super Swayless dampening devices have an improved design and are recommended for maintaining smooth operation of compensating cables for speeds of up to 700 feet/min • 3.56 m/sec.

The WF-RDD2 uses free-turning nylon rollers to contain and dampen any oscillation or cable sway that may be generated by cable motion at higher speeds.

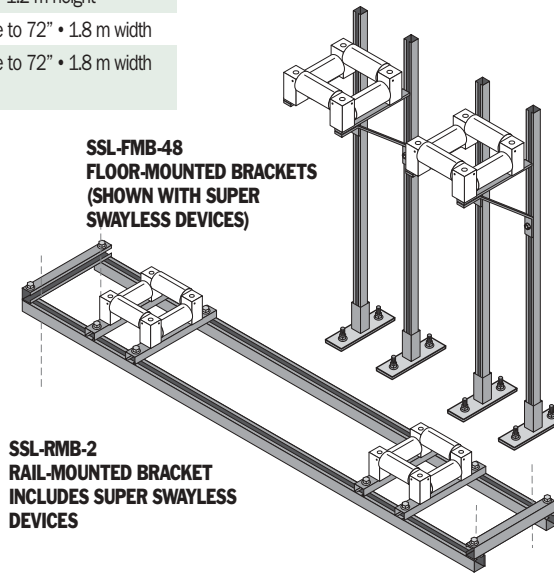
WF-RDD2 DAMPENING DEVICE



Super Swayless® Mounting Brackets

Part Number	Description
SSL-FMB-48	(2) floor-mounted brackets adjustable to 48" • 1.2 m height
SSL-RMB-72	Counterweight rail-mounted bracket adjustable to 72" • 1.8 m width
SSL-RMB-2	Counterweight rail-mounted bracket adjustable to 72" • 1.8 m width with (2) Super Swayless devices

These brackets are especially designed to help you to quickly and easily install Super Swayless devices off the counterweight guide rails and off the pit floor. They come with all the necessary hardware, including nuts and bolts.



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Compensating Cable Accessories

ShallowSwayless® for speeds up to 700 ft/min • 3.56 m/sec - Patent Pending

ShallowSwayless (one required per installation)

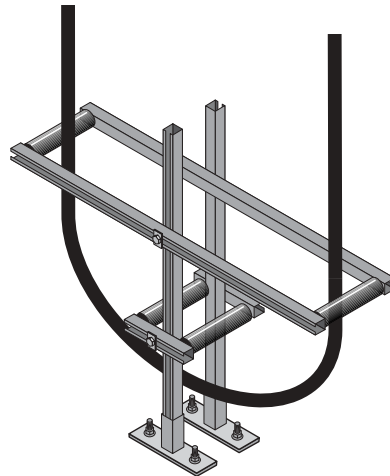
Part Number	Description
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WFDD-27L ShallowSwayless kit, for Whisper-Flex cable with 23 to 27 inch loop

WFDD-50L ShallowSwayless kit, for Steadi-Flex cable with 38 to 50 inch loop

The **ShallowSwayless** is a sway reduction device for shallow pit applications where there is insufficient pit depth for Swayless or SuperSwayless devices. It reduces compensating cable sway and oscillation in installations up to 700 ft/min • 3.56 m/sec. Two sizes are available; the 27L version is for Whisper-Flex and the 50L version is for Steadi-Flex.

The kit includes all components shown, including mounting bolts and washers.

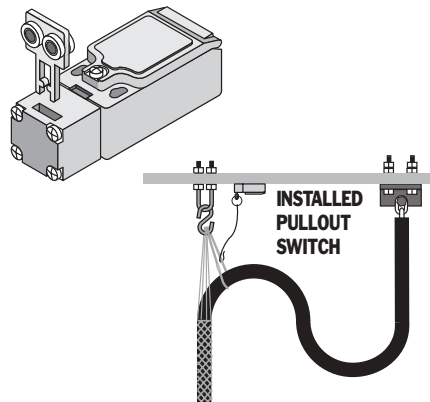


Pullout Switch and Kit

Part Number	Description	Quantity	Component Specifications
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36-207 Pullout switch with flat key actuator and rotating head 1

WF-POSK Pullout switch installation kit which includes one pullout switch (#36-207), two split o-rings, two cable ties, two 4 x 40 mm pan-head screws, two 4 mm hex nuts, four 4 mm flat washers and two 4 mm lock washers. An adapter is included for imperial hardware.



UL and C-UL Listed
Conforms to EN1088, EN292, EN60947-5-1, EN60204-1 and EN50047
NEMA 6 switch enclosure

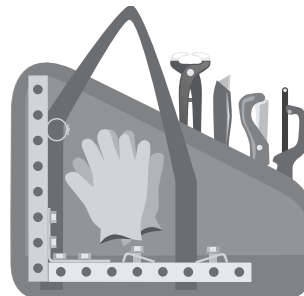
compensation

Compensating Cable Strip Kit

Part Number	Description
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WF-STRP Strip kit with instructions, gloves, hacksaw, nippers, jacket cutter, utility knife, angle bracket (already assembled) and clamps for WF 075/WF10 and WF/SFC 15 through 40. Carrying case included.

Contains all of the specialty tools used for preparing the end of compensating cables. The only other tools required are a flat-head screwdriver and a 3/4" wrench.



Call 1-877-372-5237 to get the **Compensating Cable Installation Guide.**

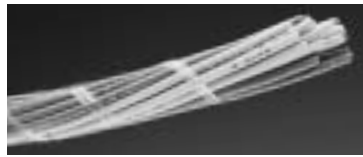
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v2005.1 0304

Super-Duct® Hoistway Cable/600V

Unjacketed to meet UL, CSA, NEC and CEC standards



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

with Power/Signal Only

Part Number	Product Code	Number/Type • Size of Conductors	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	SP versions have alternate conductor identification schemes	Component Specifications
18-003-41	WOJ 3-14	3/14 AWG • 2.0 mm ²	0.31 • 7.9	59 • 88		Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.
18-008-47	WOJ 8-14 SP	8/14 AWG • 2.0 mm ²	0.50 • 12.7	158 • 235	#1/green, #2 to 4/white, #5 to 8/black.	
18-014-41	WOJ 14-14	14/14 AWG • 2.0 mm ²	0.63 • 16.0	276 • 411		Binder Strong, helically-wound synthetic fiber.
18-204-41	WOJ 4-16	4/16 AWG • 1.5 mm ²	0.33 • 8.4	56 • 83		
18-219-41	WOJ 19-16	19/16 AWG • 1.5 mm ²	0.63 • 16.0	264 • 393		
18-404-41	WOJ 4-18	4/18 AWG • 0.75 mm ²	0.27 • 6.9	41 • 61		
18-404-47	WOJ 4-18 SP	4/18 AWG • 0.75 mm ²	0.27 • 6.9	41 • 61	#1/yellow, #2/orange, #3/blue, #4/red.	
18-407-41	WOJ 7-18	7/18 AWG • 0.75 mm ²	0.34 • 8.6	72 • 107		
18-410-41	WOJ 10-18	10/18 AWG • 0.75 mm ²	0.43 • 10.9	103 • 153		
18-412-41	WOJ 12-18	12/18 AWG • 0.75 mm ²	0.46 • 11.7	119 • 177		
18-414-41	WOJ 14-18	14/18 AWG • 0.75 mm ²	0.49 • 12.4	144 • 214		
18-416-41	WOJ 16-18	16/18 AWG • 0.75 mm ²	0.53 • 13.5	165 • 246		
18-419-41	WOJ 19-18	19/18 AWG • 0.75 mm ²	0.56 • 14.2	195 • 290		
18-421-47	WOJ 21-18 SP	21/18 AWG • 0.75 mm ²	0.65 • 16.5	215 • 320	Conductors are numbered 32 to 52	
18-424-41	WOJ 24-18	24/18 AWG • 0.75 mm ²	0.66 • 16.8	234 • 349		
18-430-41	WOJ 30-18	30/18 AWG • 0.75 mm ²	0.72 • 18.3	307 • 457		
18-437-41	WOJ 37-18	37/18 AWG • 0.75 mm ²	0.78 • 19.8	380 • 566		
18-437-47	WOJ 37-18 SP	37/18 AWG • 0.75 mm ²	0.78 • 19.8	380 • 566	Conductors are numbered 38 to 74	
18-442-41	WOJ 42-18	42/18 AWG • 0.75 mm ²	0.84 • 21.3	432 • 643		
18-461-41	WOJ 61-18	61/18 AWG • 0.75 mm ²	0.98 • 24.9	625 • 930		

NOTE: 90° C-rated conductors are available upon request.



Power and Signal/Shielded Pair Combinations

Part Number	Product Code	Number/Type • Size Conductors & Shielded Pairs	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	Component Specifications
18-435-42	CWOJ 39	4/14 AWG • 2.0 mm ² 35/18 AWG • 0.75 mm ²	.85 • 21.6	427 • 635	Stranded Conductors Same as above.
18-X24-42	CWOJ 42	14/14 AWG • 2.0 mm ² 24/18 AWG • 0.75 mm ² 2 sh. pairs/20 AWG • 0.5 mm ²	.96 • 24.4	599 • 891	Shielded Pairs Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60° C colored, flame-retardant PVC.
18-449-42	CWOJ 49	4/14 AWG • 2.0 mm ² 45/18 AWG • 0.75 mm ²	.98 • 24.9	530 • 789	Binder Strong, helically-wound synthetic fiber.
18-57X-42	CWOJ 57	4/14 AWG • 2.0 mm ² 40/18 AWG • 0.75 mm ² 6 sh. pairs/20 AWG • 0.5 mm ² 1 coax/RG6/U	1.22 • 31.0	652 • 970	
18-458-42	CWOJ 62	4/14 AWG • 2.0 mm ² 58/18 AWG • 0.75 mm ²	1.07 • 27.2	658 • 979	
18-661-42	CWOJ 71	6/14 AWG • 2.0 mm ² 61/18 AWG • 0.75 mm ² 2 sh. pairs/20 AWG • 0.5 mm ²	1.18 • 30.0	816 • 1214	

NOTE: 90° C-rated conductors are available upon request.

Connectorized Super-Duct cables are available; see page 90. Call 1-877-372-5273 for details. See pages 110-112 for cable and wire stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Super-Duct® Hoistway Cable

to meet UL, CSA, NEC and CEC standards



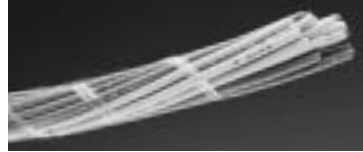
UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

600V/Jacketed/Power and Signal Only

Part Number	Product Code	Number/Type • Size of Conductors	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km	Component Specifications
18-404-43*	D4-18	4 / 18 AWG • 0.75 mm ²	.33 • 8.4	58 • 86	Stranded Conductors Bunch-stranded bare soft drawn copper, insulated with 60° C colored, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation color or a combination of insulation color and numerical markings appearing four times per foot.
18-407-43	D7-18	7 / 18 AWG • 0.75 mm ²	.40 • 10.2	91 • 135	
18-414-43	D14-18	14 / 18 AWG • 0.75 mm ²	.56 • 14.2	175 • 260	
18-419-43	D19-18	19 / 18 AWG • 0.75 mm ²	.63 • 16.0	228 • 339	
18-437-43	D37-18	37 / 18 AWG • 0.75 mm ²	.86 • 21.8	433 • 644	

*Conductor colors are non-standard: #1/black - #2/white - #3/green - #4/red.

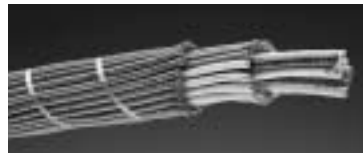
NOTE: 90° C-rated conductors are available upon request.



300V/Unjacketed/Power and Signal Only

Part Number	Product Code	Number/Type • Size of Conductors	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km
18-704-41	WOJ 4-18 300V	4 / 18 AWG • 0.75 mm ²	0.25 • 6.4	36 • 54
18-705-41	WOJ 5-18 300V	5 / 18 AWG • 0.75 mm ²	0.31 • 7.9	46 • 68
18-707-41	WOJ 7-18 300V	7 / 18 AWG • 0.75 mm ²	0.34 • 8.6	64 • 95
18-710-41	WOJ 10-18 300V	10 / 18 AWG • 0.75 mm ²	0.40 • 10.2	91 • 135
18-714-41	WOJ 14-18 300V	14 / 18 AWG • 0.75 mm ²	0.46 • 11.7	128 • 190
18-716-41	WOJ 16-18 300V	16 / 18 AWG • 0.75 mm ²	0.52 • 13.2	146 • 217
18-719-41	WOJ 19-18 300V	19 / 18 AWG • 0.75 mm ²	0.52 • 13.2	173 • 257
18-730-41	WOJ 30-18 300V	30 / 18 AWG • 0.75 mm ²	0.67 • 17.0	276 • 411
18-737-41	WOJ 37-18 300V	37 / 18 AWG • 0.75 mm ²	0.73 • 18.5	345 • 513
18-742-41	WOJ 42-18 300V	42 / 18 AWG • 0.75 mm ²	0.81 • 20.6	391 • 582
18-761-41	WOJ 61-18 300V	61 / 18 AWG • 0.75 mm ²	0.93 • 23.6	564 • 839

NOTE: 90° C-rated conductors are available upon request.



300V/Unjacketed Power and Signal/Shielded Pair Combinations

Part Number	Product Code	Number/Type • Size of Conductors	Cable Nom. OD inches • mm	Cable Net Weight lbs./kft • kg/km
18-311-42	CWOJ 14 SP	3 / 14 AWG • 2.0 mm ² 11 / 18 AWG • 0.75 mm ²	0.53 • 13.5	160 • 238

NOTE: 14 AWG • 2.0 mm² conductor colors are #12/black - #13/white - #14/green.

NOTE: 90° C-rated conductors are available upon request.

Connectorized Super-Duct cables are available; see page 90. Call 1-877-372-5273 for details. See pages 110-112 for cable and wire stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

v2005.1 0304

super-duct hoistway

Stationary Wire

for Audio and Data Communications/300V



UL Listed
CSA Certified
NEC Compliant
(nec)
CEC Compliant

with Shielded Pairs Only

Part Number	Number/Type • Size of Conductors	Shielded Pair Color Codes	Nominal OD inches • mm	Net Weight lbs/kft • kg/km
18-801-43	1 sh. pair /20 AWG • 0.5 mm ²	red/white	0.22 • 5.5	29 • 43
M13142	2 sh. pair /20 AWG • 0.5 mm ²	see below	0.23 • 5.8	34 • 51
M13143	3 sh. pair /20 AWG • 0.5 mm ²	see below	0.30 • 7.6	52 • 77
M13144	4 sh. pair /20 AWG • 0.5 mm ²	see below	0.32 • 8.1	64 • 95
M13146	6 sh. pair /20 AWG • 0.5 mm ²	see below	0.38 • 9.7	87 • 130
M13149	9 sh. pair /20 AWG • 0.5 mm ²	see below	0.45 • 11.4	132 • 196
M13152	12 sh. pair /20 AWG • 0.5 mm ²	see below	0.50 • 12.7	169 • 251
M13155	15 sh. pair /20 AWG • 0.5 mm ²	see below	0.60 • 15.2	225 • 335

pair #1 - black/red
pair #2 - black/white
pair #3 - black/green
pair #4 - black/blue
pair #5 - black/yellow
pair #6 - black/brown
pair #7 - black/orange
pair #8 - red/white
pair #9 - red/green
pair #10 - red/blue
pair #11 - red/yellow
pair #12 - red/brown
pair #13 - red/orange
pair #14 - green/white
pair #15 - green/blue

Component Specifications

Shielded Pairs
Composed of 20 AWG stranded insulated conductors, shielded with polyester/aluminum tape for 100% coverage, insulated with 80°C semi-rigid PVC, positively identified by insulation color.

NOTE: 18-801-43 is shielded with 36 AWG bare copper braid for 85% coverage.

Jacket
Outer sheath is a chrome polyvinyl chloride (PVC) that provides a smooth, wear-resistant surface.

NOTE: 18-801-43 is jacketed with colored polyvinyl chloride (PVC).

Drain Wire
22 AWG bunch stranded soft drawn copper, tinned for solderability.

NOTE: 18-801-43 does NOT have a drain wire.

Door Lock Wire

SF-2 Single Conductor/600V - 200°C Rated



UL Listed
CSA Certified
NYC Code Compliant

Hook-up, Hoistway Door, Interlock Wire

Part Number	Product Code	Description/Type • Size of Single Conductor	Nominal OD inches • mm	Net Weight lbs/kft • kg/km	Put-ups	Jacket Colors (abbrv. below)
16ASF2 BL-AT	16 SF-2	7/.019" tinned copper 16 AWG • 1.5 mm ²	0.14 • 3.6	15 • 22.3	cut to length	BL, WH/RD
18ASF2 X-YT	18 SF-2 Strand	7/.015" tinned copper 18 AWG • 0.75 mm ²	0.13 • 3.3	12 • 17.9	500, 1000'	BL, WH/RD & RD
18SSF2 RD-AT	18 SF-2 Solid	solid tinned copper 18 AWG • 0.75 mm ²	0.12 • 3.0	12 • 17.9	cut to length	RD

*The X at the end of the part number is a placeholder for the color code; the Y is a placeholder for the put-up.

When ordering, be sure to specify the insulation color and put-up you require (i.e. product code 18 SF-2 Strand with black insulation in a 500' length would be part number 18ASF2 BL-500).

BL Black
RD Red
WH/RD White/Red

Component Specifications

Stranded Conductors
Bare soft drawn copper complying with ANSI/ASTM B174 and ANSI/ASTM B3.

Solid Conductors
Solid bare soft drawn copper complying with ANSI/ASTM B3.

Tinned Stranded Conductors
As above, with the copper conductor tinned for easier soldering.

See pages 110-112 for cable and wire stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Power Cable

THHN-type Single Conductor/600V - 90°C Rated*



UL Listed
 CSA Certified
 NEC Compliant
 CEC Compliant

Part Number	Product Code	Description/Type • Size of Single Conductor	Nominal OD inches • mm	Net Weight lbs./kft • kg/km	Insulation Thickness inches • mm	Jacket Colors (abr. below)	Component Specifications
4/OATHHN BL	4/0 THHN	19 strand. copper 4/0 AWG • 108 mm ²	.64 • 16.2	711 • 1058	.05 • 1.3	BL	<p>SPECIAL NOTE: THHN (or MTW or THWN-2) conductors are suitable for operations at 600 volts as specified in the National Electrical Code, at conductor temperatures not to exceed 75° C when exposed to oil or coolant, 90° C in wet or dry locations.</p> <p>Stranded Conductors Annealed bare copper complying with ANSI/ASTM B174 and ANSI/ASTM B3.</p> <p>Insulation High-heat and moisture-resistant PVC</p> <p>Jacketing Abrasion-, moisture-, gasoline-, and oil-resistant nylon (polyamide) or its UL listed equivalent.</p>
3/OATHHN BL	3/0 THHN	19 strand. copper 3/0 AWG • 84.9 mm ²	.58 • 14.7	570 • 848	.05 • 1.3	BL	
2/OATHHN BL	2/0 THHN	19 strand. copper 2/0 AWG • 67.5 mm ²	.52 • 13.2	458 • 681	.05 • 1.3	BL	
1/OATHHN BL	1/0 THHN	19 strand. copper 1/0 AWG • 53.4 mm ²	.48 • 12.2	369 • 549	.05 • 1.3	BL	
1ATHHN BL	1 AWG THHN	19 strand. copper 1 AWG • 42.5 mm ²	.44 • 11.2	297 • 442	.05 • 1.3	BL	
2ATHHN BL	2 AWG THHN	19 strand. copper 2 AWG • 33.7 mm ²	.38 • 9.7	232 • 345	.04 • 1.0	BL	
4ATHHN BL	4 AWG THHN	19 strand. copper 4 AWG • 21.2 mm ²	.32 • 8.1	151 • 225	.04 • 1.0	BL	
6ATHHN X'	6 AWG THHN*	19 strand. copper 6 AWG • 13.3 mm ²	.25 • 6.4	94 • 140	.03 • 0.8	BL, GN	
8ATHHN X'	8 AWG THHN*	19 strand. copper 8 AWG • 8.3 mm ²	.22 • 5.5	62 • 92	.03 • 0.8	BL, GN	
10ATHHN X'	10 AWG THHN*	19 strand. copper 10 AWG • 5.2 mm ²	.16 • 4.0	38 • 57	.02 • 0.5	BL, WH	
12ATHHN X'	12 AWG THHN*	19 strand. copper 12 AWG • 3.3 mm ²	.13 • 3.3	24 • 36	.02 • 0.5	BL, WH	

*The X at the end of the part number is a placeholder for the color code; color code abbreviations are at the bottom of the page. When ordering, be sure to specify the insulation color you require (i.e. product code 6 AWG THHN with green insulation would be part number 6ATHHN GN).

All cables are cut to length. Please specify.

*6ATHHN X', 8ATHHN X', 10ATHHN X' and 12ATHHN X' are suitable for 105° C appliance wiring material (AWM).

WIRE

See pages 110-112 for cable and wire stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

v2005.1 0304

Power Cable

TEW-type Single Conductor / 600V - 105°C Rated



Part Number	Product Code	Description/Type • Size of Single Conductor	Nominal OD inches • mm	Net Weight lbs/kft • kg/km	Put-ups	Jacket Colors (abrv. below)	Component Specifications
8ATEW X-Y'	8 AWG TEW	19/.0295" strand copper 8 AWG • 8.3 mm ²	0.24 • 6.1	66 • 98.2	2500'	BL, GN	Stranded Conductors Bare copper complying with ANSI/ASTM B1.74 and ANSI/ASTM B3. Insulation High-heat and moisture-resistant PVC. Jacketing Colored PVC.
10ATEW X-Y'	10 AWG TEW	19/.0234" strand copper 10 AWG • 5.2 mm ²	0.18 • 4.6	42 • 62.5	2500'	BL, GN	
12ATEW X-Y'	12 AWG TEW	19/.0185" strand copper 12 AWG • 3.3 mm ²	0.16 • 4.1	29 • 43.2	2500'	BL, GN & WH	
14ATEW X-Y'	14 AWG TEW	19/.0147" strand copper 14 AWG • 2.0 mm ²	0.13 • 3.3	19 • 28.1	500, 2500'	BL, BU, GN, RD & WH	
16ATEW X-Y'	16 AWG TEW	26/.010" strand copper 16 AWG • 1.5 mm ²	0.12 • 3.0	15 • 22.2	500'	BL, BU, OR & YW	
18ATEW X-Y'	18 AWG TEW	16/.010" strand copper 18 AWG • 0.75 mm ²	0.11 • 2.8	11 • 16.3	500, 5000'	BL, BU, RD, WH, GN, GY, OR, PK, BR, TN, PU, YW, MR	
20ATEW X-Y'	20 AWG TEW	10/.030" strand copper 20 AWG • 0.5 mm ²	0.10 • 2.5	8 • 3.6	1000'	BL, WH & RD	

*The X at the end of the part number is a placeholder for the color code; the Y is a placeholder for the put-up. When ordering, be sure to specify the insulation color and put-up you require (i.e. product code 18 SF-2 Strand with black insulation in a 500' length would be part number 18ASF2 BL-500).

new TEW-type Solid Single Conductor / 600V - 105°C Rated

Part Number	Product Code	Description/Type • Size of Single Conductor	Nominal OD inches • mm	Net Weight lbs/kft • kg/km	Put-ups	Jacket Colors (abrv. below)
14STEW X-Y'	14 AWG Solid TEW	Solid 14 AWG copper wire	0.13 • 3.3	19 • 28.1	500'	BL, GN/WH, OR
18STEW X-Y'	18 AWG Solid TEW	Solid 18 AWG copper wire	0.11 • 2.8	11 • 16.3	500'	BL, BU, GN/WH, OR

new SOOW-type Four Conductor Portable Cord / 600V - 90°C Rated

Part Number	Product Code	Description/Type • Size of Conductor	Nominal OD inches • mm	Net Weight lbs/kft • kg/km	Put-ups	Jacket Colors (abrv. below)
6/4 SOOW	6 AWG SOOW	133/.0142 strand copper	1.06 • 26.9	856 • 388	250'	BL
8/4 SOOW	8 AWG SOOW	65/.0159 strand copper	0.93 • 23.6	605 • 274	250'	BL
10/4 SOOW	10 AWG SOOW	104/.010 strand copper	0.70 • 17.8	357 • 162	250'	BL

Other industry standard configurations (i.e. conductor stranding) may be substituted.

Color Key for Power Cables:

BL black • BU blue • RD red • WH white • GN green • GY grey • OR orange • PK pink • BR brown • TN tan • PU purple • YW yellow • MR maroon

See pages 110-112 for cable and wire stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Specialty Wire and Cable

for Hoistway and Machine Room Uses



for Communications, Signal or Power

Part Number	Description	Suggested Use
06067	6 / 18 AWG stranded copper • PVC insulation • unjacketed • 300V, 90°C	Control and signal
TR-64	7 / 18 AWG stranded copper • PVC insulation • unjacketed • 300V, 90°C	Control and signal
9475	RG6/U coax with a stranded copper conductor • PVC jacket	Data communications
9259	RG59/U coax with a stranded copper conductor • PVC jacket	Video, CCTV
9244	RG59/U coax with a solid copper conductor • PVC jacket	Video, CCTV
9512	2 pr / 22 AWG stranded tin/copper • PVC insulation • overall foil shield • PVC jacket • 300V, 105°C	Telephony
9514	4 pr / 22 AWG stranded tin/copper • PVC insulation • overall foil shield • PVC jacket • 300V, 105°C	Telephony
1PR#18TW	1 twisted pr / 18 AWG stranded copper • unjacketed	Telephony
1PR#18SHDJK	1 shielded twisted pr / 18 AWG stranded copper • PVC jacket	Data communications
W#UL-2464	2 shielded twisted pr / 18 AWG stranded copper • PVC jacket	Data communications
9369	3 shielded twisted pr / 18 AWG stranded copper • PVC jacket	Data communications
9830	3 pr / 24 AWG stranded tin/copper • PVC insulation • foil and braid shields • PVC jacket • 30V, 80°C	Data communications

Selector Cable for 'Pie-plate' Type Selectors

Part Number	Description
686-0010-22A	10 / 22 AWG (16x34 AWG) stranded copper rubber insulation with cotton/rayon braid overlay jute core • black braided cotton jacket



Instrumentation Cable PVC Insulation, 300V, NEC/CSA

Part Number	Conductors/Wire Size	Put-up
IC-18-2	2/18 AWG, stranded tinned copper conductors	1000'
IC-18-4	4/18 AWG, stranded tinned copper conductors	1000'
IC-18-5	5/18 AWG, stranded tinned copper conductors	1000'
IC-18-7	7/18 AWG, stranded tinned copper conductors	1000'
IC-18-9	9/18 AWG, stranded tinned copper conductors	1000'
IC-18-12	12/18 AWG, stranded tinned copper conductors	1000'

NOTE: 1000' minimum order required



Thermostat Cable PVC Insulation, 150V, CL2

Part Number	Conductors/Wire Size	Put-up
TC-18-2	2/18 AWG, solid copper conductors	500'
TC-18-4	4/18 AWG, solid copper conductors	500'
TC-18-5	5/18 AWG, solid copper conductors	250'
TC-18-7	7/18 AWG, solid copper conductors	250'
TC-18-9	9/18 AWG, solid copper conductors	250'
TC-18-12	12/18 AWG, solid copper conductors	250'

NOTE: 1000' minimum order required

Other specialty wires and cables are available for fast delivery. Call 1-877-372-5237 for details. See pages 110-112 for cable and wire stripping tools.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

WIRE

Specialty Services and Kits

Connectorization

Draka Elevator Products' Connectorization Services can result in a faster, lower cost installation. Per your specifications, hoistway cables, traveling cables and wiring harnesses can be fitted with modular connectors that simply snap into place in the field.

Connectorization ensures that cables and harnesses are quickly, easily and accurately installed. Color-coded connectors assure positive circuit identification. All connectorized cable products are 100% post-fabrication tested for total customer satisfaction.

To order, call Draka Elevator Products Customer Service to get fax or mailing instructions. For best results, send an engineering drawing of the connectorized cable/harness and/or a sample of the harness. You will be given a quote and a lead-time, followed with a finished sample (upon request) for your inspection.



Stripping Service 1 1/2 and 3 1/2 links exposed

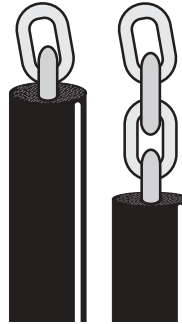
Part Number	Description
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WFSTRIP1.5L	Cable with 1 1/2 links stripped at one end
WFSTRIP3L	Cable with 3 1/2 links stripped at one end

Stripping (cable end preparation) of compensating cable means the removal of the PVC- steel composite from the chain core to ease installation in the field. Draka Elevator Products will free the required number of links at one end of cable leaving the other end "unprepped" for length adjustments.

Draka can translate its years of experience into faster, safer installation of compensating cable at the job site.

To order a stripped cable, ask for WF-STRIP for your lengths of compensating cable. Should an installation require the stripping of more links, please contact Draka Elevator Products' Customer Service and ask for Applications Engineering.

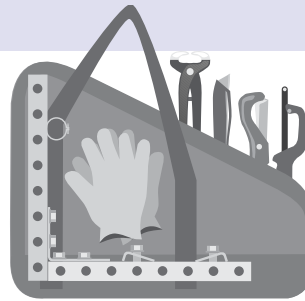


Strip Kits for Whisper-Flex and Steadi-Flex cables

Part Number	Description
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WF-STRP	Strip kit with instructions, gloves, hacksaw, nippers, jacket cutters, utility knife, angle bracket (already assembled) and clamps for all Whisper-Flex and Steadi-Flex cables.
----------------	---

Contains all of the specialty tools used for preparing the end of compensating cables. The only other tools required are a flat-head screwdriver and a 3/4" wrench.



Call 1-877-372-5237 to get the Compensating Cable Installation Guide.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Specialty Services and Kits

HOSS Systems

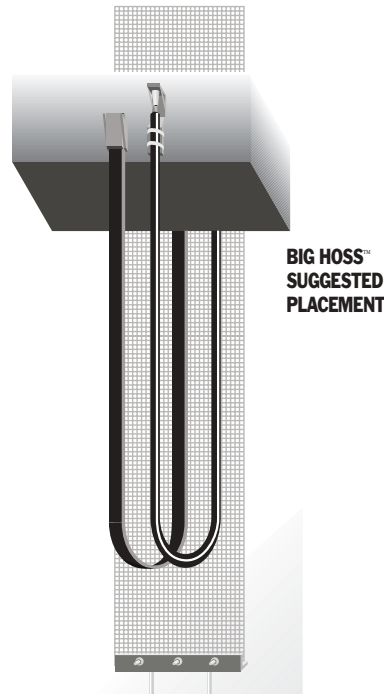
BIG-HOSS™ Hoistway Obstruction Shield System

Part Number	Description
BIG-HOSS	Hardware Cloth Base Mounting Kit (100 feet • 30.48 m length)
BIG-HOSS-75	Hardware Cloth Base Mounting Kit (75 feet • 22.86 m length)
BIG-HOSS-150	Hardware Cloth Base Mounting Kit (150 feet • 45.72 m length)

The Hoistway Obstruction Shield Systems are used to prevent round and flat elevator traveling cable from repetitively striking obstructions in the hoistway and from crossing over into adjoining hoistways. Their use may help avoid possible interference and extend the life span of the installed elevator cables.

The BIG HOSS kit includes 100 ft • 30.48 m of the 1.5 ft • .46 m wide shielding material (1/2 inch • 13 mm mesh hardware cloth) and all the mounting hardware needed to attach the shield within the hoistway. All components are shipped in a single bag.

The LIL HOSS kit includes an additional 100 ft • 30.48 m of the shielding material and all the mounting hardware needed to attach the shield to the top of the BIG HOSS system and walls of the hoistway. Like the BIG HOSS, all LIL HOSS components are shipped in a single bag.



LIL-HOSS™ Hoistway Obstruction Shield System Extensions

Part Number	Description
LIL-HOSS	Hardware Cloth Extension Mounting Kit (100 feet • 30.48 m length)
LIL-HOSS-75	Hardware Cloth Extension Mounting Kit (75 feet • 22.86 m length)
LIL-HOSS-150	Hardware Cloth Extension Mounting Kit (150 feet • 45.72 m length)

Specialty Services and Kits

TOC and PIT-KIT

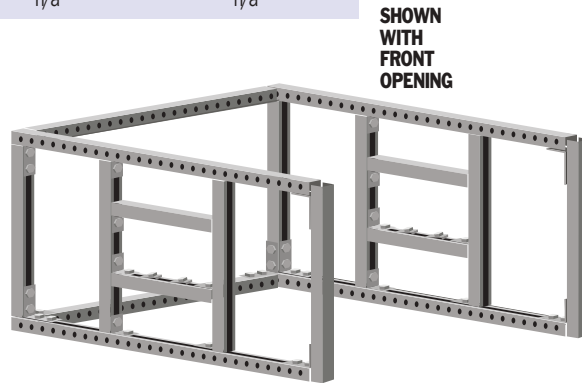
BIG-TOC and LIL-TOC - Top Of Car Safety Rails

Part Number	Description	Orientation	Size Range (min > max)		Matching Toe-board Part Number
			Width (in • m)	Length (in • m)	
100-01	LIL-TOC	front opening	57 > 82 • 1.45 > 2.08	57 > 82 • 1.45 > 2.08	100-01TB
100-03	BIG-TOC 60	front opening	69 > 118 • 1.75 > 3.00	69 > 118 • 1.75 > 3.00	100-03TB
100-05	BIG-TOC 72	front opening	69 > 118 • 1.75 > 3.00	81 > 130 • 2.06 > 3.30	100-05TB
100-07	LIL-TOC	front and rear opening	n/a	57 > 82 • 1.45 > 2.08	100-07TB
100-09	BIG-TOC 60	front and rear opening	n/a	69 > 118 • 1.75 > 3.00	100-09TB
100-11	BIG-TOC 72	front and rear opening	n/a	81 > 130 • 2.06 > 3.30	100-11TB
100-13	LIL-TOC	front opening	45 > 70 • 1.14 > 1.78	69 > 106 • 1.75 > 2.69	100-13TB
100-15	LIL-TOC	front opening	57 > 82 • 1.45 > 2.08	69 > 106 • 1.75 > 2.69	100-15TB
100-17	LIL-TOC	front opening	57 > 82 • 1.45 > 2.08	45 > 70 • 1.14 > 1.78	100-17TB
100-19	Extension kit	front opening	n/a	n/a	n/a
100-20	Extension kit	front and rear opening	n/a	n/a	n/a

BIG-TOC and LIL-TOC (Top Of Car) safety rail kits install on top of freight and passenger traction elevators to create a safer and more secure car-top environment for both people and their tools. These permanent guardrail kits are easy to install and quickly adjust to the required size.

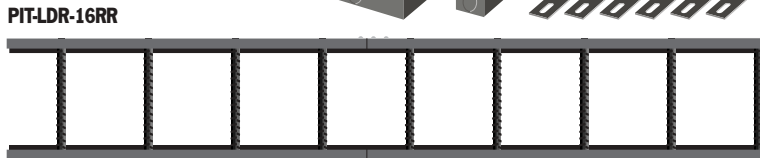
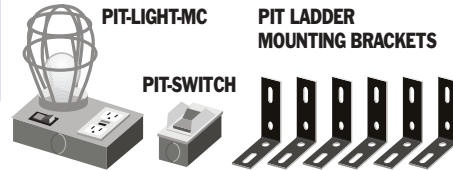
They are adaptable to both front-opening and front-and-rear opening car types. An optional debris net serves as an added measure to prevent the loss of tools and other important items.

All rails, bolts, nuts and hardware are included. The mesh debris shield is optional. The major siderail components come pre-assembled. Installation generally takes under an hour.



new PIT-KIT and Pit Accessories

Part Number	Description
PIT-KIT	PIT-KIT , including all-steel, round-rung ladder extending to 9 feet (PIT-LDR-16RR), wall-mounted safety light with GFCI outlet (PIT-LIGHT-MC) and toggle stop switch (PIT-SWITCH). Electrical components are US/Canadian 110V. PIT-KIT complies with ASME A17.1-2004 Section 2.2 for pit equipment.
PIT-LDR-16RR	Pit ladder , 9' tall with 16" anti-skid round rungs
PIT-LDR-12RR	Pit ladder , 9' tall with 12" anti-skid round rungs
PIT-LIGHT-MC	Pit light , with metal cage, safety guard, GFCI outlet and switch
PIT-LIGHT	Pit light , with plastic cage, safety guard, GFCI outlet and switch
PIT-SWITCH	Pit toggle stop switch
EN418-A	Pit locking stop switch , with push-pull action, UL/CSA approved



The **PIT-KIT** now includes reversible ladder mounting brackets that permit the ladder to be mounted either 4 1/2" or 7" from the wall.

services/kits

US orders/information: **1-877-372-5237 (1-877-DRAKA EP)** Fax: **1-252-972-6001** Canadian orders/information: **1-800-263-8279**
 International orders/information: **+1-252-984-5100** Fax: **+1-252-984-5101** Web: www.draka-ep.com

Wireway

Galvanized Steel Trough, Cover, Screws and Edging



Manufactured exclusively for Draka Elevator Products to meet elevator industry standards

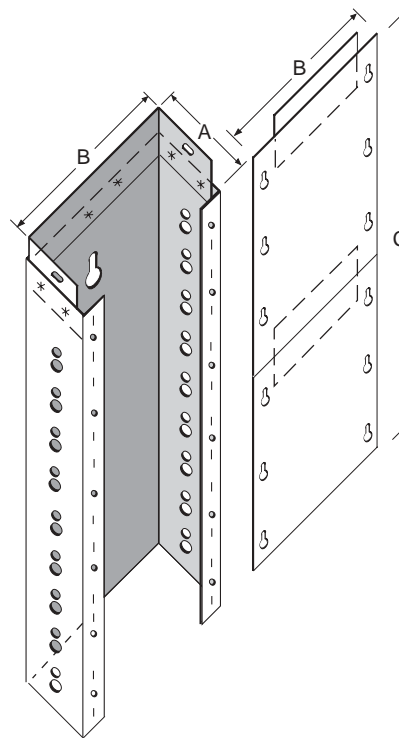
Part Number	Dimension A inches	Dimension B inches	Dimension C inches
UGTR 2525120CSA	2 1/2	2 1/2	120
UGTR 254120CSA*	2 1/2	4	120
UGTR 256120CSA	2 1/2	6	120
UGTR 258120CSA	2 1/2	8	120
UGTR 44120CSA	4	4	120
UGTR 46120CSA	4	6	120
UGTR 48120CSA	4	8	120
UGTR 66120CSA	6	6	120
UGTR 88120CSA	8	8	120
UGTR 2510120CSA**	2 1/2	10	120
UGTR 2512120CSA**	2 1/2	12	120
UGTR 2514120CSA**	2 1/2	14	120
UGTR 410120CSA**	4	10	120
UGTR 412120CSA**	4	12	120
UGTR 414120CSA**	4	14	120

*UGTR 254120CSA has 1/2", 3/4" and 1" knockouts every 12 inches.

**Not stocked - available with short lead times.

Special size trough and trough without knockouts are available with short lead times.

Call Draka EP at 1-877-372-5237 for further information.



Component Specifications

Tolerances
 Inside Dimensions (I.D.)
 -0 to + 1/32 inch
 Joints, corners and adjoining edges to + 1/32 inch
 Screw & hole placement to + 1/32 inch

Materials
 Hot-dipped, mill-galvanized 16 gauge sheet metal to UL 870 & CSA C22.2 No. 26

General Construction
 Uniform slots
 3/4 by 1/4 inch

Standard connector slots
 1/2 and 3/4 inch knockouts every 12 inches

Included Hardware
 Two five-foot covers
 #10, 5/16 hexhead screws & screw protection
 Six point spot-welded coupling on one end

Covers

Part Number	Dimension B inches	Dimension C inches
C U25	2 1/2	60
C U44	4	60
C U66	6	60
C U88	8	60

Plastic U-Channel

Part Number	Standard Packaging
19-003	100' rolls

Cover Screws

Part Number	Size	Standard Packaging
59-020	#10-32 x 1/2"	1

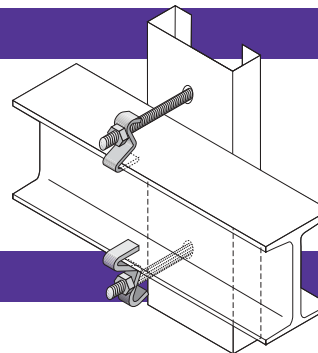
Wireway Nuts & Bolts

Part Number	Size inches	Standard Packaging
26-006A	1/4 x 1/2 nut & bolt	25
26-006B	1/4 x 1/2 nut & bolt	50
26-006C	1/4 x 1/2 nut & bolt	100

Trough Mounting Bracket Kit

Used to attach trough to steel I-beams

Part Number	Contents
TR-MTG-KIT	One bracket, 5" mounting bolt, nut and two washers



WIREWAY/EMT

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Wireway Fittings

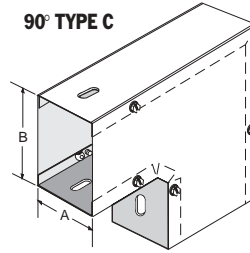
Galvanized Steel Trough



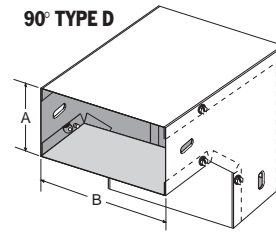
90° Elbows/Type C and D

Part Number Type C	Part Number Type D	Dimension A inches	Dimension B inches	For use with Trough Product Code
UL90 2525CSA	-	2 1/2	2 1/2	UGTR 2525120CSA
UL90 254CSA	UL90 425CSA	2 1/2	4	UGTR 254120CSA
UL90 256CSA	UL90 625CSA	2 1/2	6	UGTR 256120CSA
UL90 258CSA	UL90 825CSA	2 1/2	8	UGTR 258120CSA
UL90 44CSA	-	4	4	UGTR 44120CSA
UL90 46CSA	UL90 64CSA	4	6	UGTR 46120CSA
UL90 48CSA	UL90 84CSA	4	8	UGTR 48120CSA
UL90 66CSA	-	6	6	UGTR 66120CSA
UL90 88CSA	-	8	8	UGTR 88120CSA
UL90 2510CSA*	UL90 1025CSA*	2 1/2	10	UGTR 2510120CSA
UL90 2512CSA*	UL90 1225CSA*	2 1/2	12	UGTR 2512120CSA
UL90 2514CSA*	UL90 1425CSA*	2 1/2	14	UGTR 2514120CSA
UL90 410CSA*	UL90 104CSA*	4	10	UGTR 410120CSA
UL90 412CSA*	UL90 124CSA*	4	12	UGTR 412120CSA
UL90 414CSA*	UL90 144CSA*	4	14	UGTR 414120CSA

90° TYPE C



90° TYPE D



Component Specifications

Tolerances
Inside Dimensions (I.D.)
- 0 to + 1/32 inch

Joints, corners and adjoining edges to + 1/32 inch

Screw & hole placement to + 1/32 inch

Materials
Hot-dipped, mill-galvanized 16 gauge sheet metal to UL 870 & CSA C22.2 No. 26

General Construction
Uniform slots
3/4 by 1/4 inch

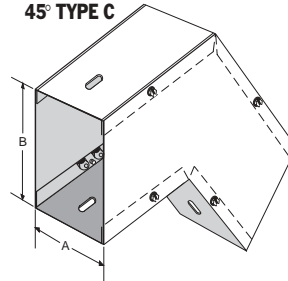
Standard connector slots
#10, 5/16 hexhead screws on side panels

Screw protection provided

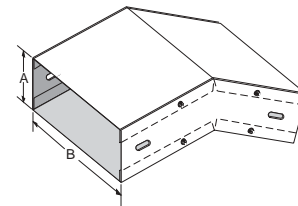
45° Elbows/Type C and D

Part Number Type C	Part Number Type D	Dimension A inches	Dimension B inches	For use with Trough Product Code
UL45 2525CSA	-	2 1/2	2 1/2	UGTR 2525120CSA
UL45 254CSA	UL45 425CSA	2 1/2	4	UGTR 254120CSA
UL45 256CSA	UL45 625CSA	2 1/2	6	UGTR 256120CSA
UL45 258CSA	UL45 825CSA	2 1/2	8	UGTR 258120CSA
UL45 44CSA	-	4	4	UGTR 44120CSA
UL45 46CSA	UL45 64CSA	4	6	UGTR 46120CSA
UL45 48CSA	UL45 84CSA	4	8	UGTR 48120CSA
UL45 66CSA	-	6	6	UGTR 66120CSA
UL45 88CSA	-	8	8	UGTR 88120CSA
UL45 2510CSA*	UL45 1025CSA*	2 1/2	10	UGTR 2510120CSA
UL45 2512CSA*	UL45 1225CSA*	2 1/2	12	UGTR 2512120CSA
UL45 2514CSA*	UL45 1425CSA*	2 1/2	14	UGTR 2514120CSA
UL45 410CSA*	UL45 104CSA*	4	10	UGTR 410120CSA
UL45 412CSA*	UL45 124CSA*	4	12	UGTR 412120CSA
UL45 414CSA*	UL45 144CSA*	4	14	UGTR 414120CSA

45° TYPE C



45° TYPE D



*Not stocked - available with short lead times.

Special size fittings are available with short lead times.

Call Draka EP at 1-877-372-5237 for further information.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

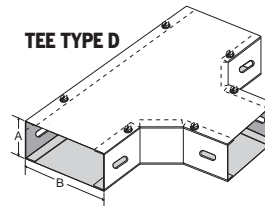
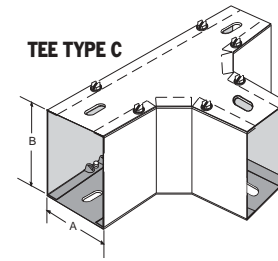
Wireway Fittings

Fittings for Galvanized Steel Trough



Tees/Type C and D

Part Number Type C	Part Number Type D	Dimension A inches	Dimension B inches	For use with Trough Product Code
UTEE 2525CSA	-	2 1/2	2 1/2	UGTR 2525120CSA
UTEE 254CSA	UTEE 425CSA	2 1/2	4	UGTR 254120CSA
UTEE 256CSA	UTEE 625CSA	2 1/2	6	UGTR 256120CSA
UTEE 258CSA	UTEE 825CSA	2 1/2	8	UGTR 258120CSA
UTEE 44CSA	-	4	4	UGTR 44120CSA
UTEE 46CSA	UTEE 64CSA	4	6	UGTR 46120CSA
UTEE 48CSA	UTEE 84CSA	4	8	UGTR 48120CSA
UTEE 66CSA	-	6	6	UGTR 66120CSA
UTEE 88CSA	-	8	8	UGTR 88120CSA
UTEE 2510CSA*	UTEE 1025CSA*	2 1/2	10	UGTR 2510120CSA
UTEE 2512CSA*	UTEE 1225CSA*	2 1/2	12	UGTR 2512120CSA
UTEE 2514CSA*	UTEE 1425CSA*	2 1/2	14	UGTR 2514120CSA
UTEE 410CSA*	UTEE 104CSA*	4	10	UGTR 410120CSA
UTEE 412CSA*	UTEE 124CSA*	4	12	UGTR 412120CSA
UTEE 414CSA*	UTEE 144CSA*	4	14	UGTR 414120CSA



Component Specifications

Tolerances

Inside Dimensions (I.D.)
-0 to + 1/16 inch

Joints, corners and adjoining edges to
+ 1/32 inch

Screw & hole placement to
+ 1/32 inch

Materials

Hot-dipped, mill-galvanized 16 gauge sheet metal to UL 870 & CSA C22.2 No. 26

General Construction

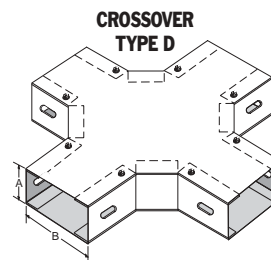
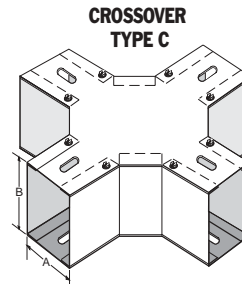
Uniform slots
3/4 by 1/4 inch

Standard connector slots
#10, 5/16 hexhead screws on side panels

Screw protection provided

Crossovers/Type C and D

Part Number Type C	Part Number Type D	Dimension A inches	Dimension B inches	For use with Trough Product Code
UCRS 2525CSA	-	2 1/2	2 1/2	UGTR 2525120CSA
UCRS 254CSA	UCRS 425CSA	2 1/2	4	UGTR 254120CSA
UCRS 256CSA	UCRS 625CSA	2 1/2	6	UGTR 256120CSA
UCRS 258CSA	UCRS 825CSA	2 1/2	8	UGTR 258120CSA
UCRS 44CSA	-	4	4	UGTR 44120CSA
UCRS 46CSA	UCRS 64CSA	4	6	UGTR 46120CSA
UCRS 48CSA	UCRS 84CSA	4	8	UGTR 48120CSA
UCRS 66CSA	-	6	6	UGTR 66120CSA
UCRS 88CSA	-	8	8	UGTR 88120CSA
UCRS 2510CSA*	UCRS 1025CSA*	2 1/2	10	UGTR 2510120CSA
UCRS 2512CSA*	UCRS 1225CSA*	2 1/2	12	UGTR 2512120CSA
UCRS 2514CSA*	UCRS 1425CSA*	2 1/2	14	UGTR 2514120CSA
UCRS 410CSA*	UCRS 104CSA*	4	10	UGTR 410120CSA
UCRS 412CSA*	UCRS 124CSA*	4	12	UGTR 412120CSA
UCRS 414CSA*	UCRS 144CSA*	4	14	UGTR 414120CSA



*Not stocked - available with short lead times.

Special size fittings are available with short lead times.

Call Draka EP at 1-877-372-5237 for further information.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

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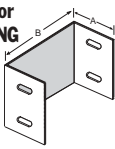
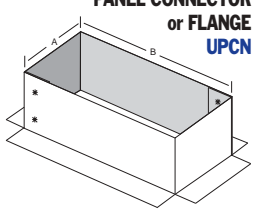
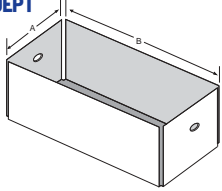
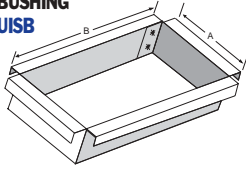
WIREWAY/gmt

Wireway Fittings

Fittings for Galvanized Steel Trough



Couplings, Panel Connectors, End Plates, Insulated Bushings

Part Number Coupling	Part Number Panel Connector	Part Number End Plate	Part Number Bushing	Dimension A in • cm	Dimension B in • cm	Component Specifications
UCON 2525CSA	UPCN 2525CSA	UEPT 2525CSA	UI SB 2525CSA	2 1/2	2 1/2	SPLICE or COUPLING UCON  PANEL CONNECTOR or FLANGE UPCN  END PLATE UEPT  INSULATED BUSHING UI SB 
UCON 254CSA	UPCN 254CSA	UEPT 254CSA	UI SB 254CSA	2 1/2	4	
UCON 256CSA	UPCN 256CSA	UEPT 256CSA	UI SB 256CSA	2 1/2	6	
UCON 258CSA	UPCN 258CSA	UEPT 258CSA	UI SB 258CSA	2 1/2	8	
UCON 44CSA	UPCN 44CSA	UEPT 44CSA	UI SB 44CSA	4	4	
UCON 46CSA	UPCN 46CSA	UEPT 46CSA	UI SB 46CSA	4	6	
UCON 48CSA	UPCN 48CSA	UEPT 48CSA	UI SB 48CSA	4	8	
UCON 66CSA	UPCN 66CSA	UEPT 66CSA	UI SB 66CSA	6	6	
UCON 88CSA	UPCN 88CSA	UEPT 88CSA	UI SB 88CSA	8	8	
UCON 2510CSA*	UPCN 2510CSA*	UEPT 2510CSA*	UI SB 2510CSA*	2 1/2	10	
UCON 2512CSA*	UPCN 2512CSA*	UEPT 2512CSA*	UI SB 2512CSA*	2 1/2	12	
UCON 2514CSA*	UPCN 2514CSA*	UEPT 2514CSA*	UI SB 2514CSA*	2 1/2	14	
UCON 410CSA*	UPCN 410CSA*	UEPT 410CSA*	UI SB 410CSA*	4	10	
UCON 412CSA*	UPCN 412CSA*	UEPT 412CSA*	UI SB 412CSA*	4	12	
UCON 414CSA*	UPCN 414CSA*	UEPT 414CSA*	UI SB 414CSA*	4	14	

*Not stocked - available with short lead times.

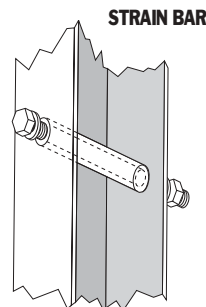
Special size fittings are available with short lead times.

Call Draka EP at 1-877-372-5237 for further information.

Strain Bars

Part Number	For trough width inches	Component Specifications
STB 25	2.5	General Construction 1/2 inch bolt comes complete with nut and two (2) washers
STB 4	4	
STB 6	6	
STB 8	8	
STB 10	10	
STB 12	12	
STB 14	14	

NOTE: The NEC requires that strain bars be used to support wire every 100' in trough.



US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

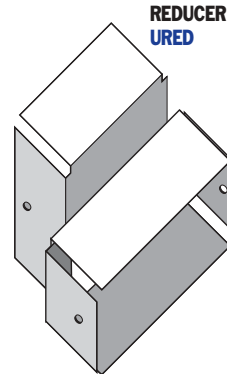
Wireway Fittings

Fittings for Galvanized Steel Trough



Reducers

Part Number	Adapts from this size... inches	to this size inches	Component Specifications
URED 2542525CSA	2 1/2 x 4	2 1/2 x 2 1/2	Tolerances Inside Dimensions (I.D.) -0 to + 1/32 inch Joints, corners and adjoining edges to + 1/32 inch Screw & hole placement to + 1/32 inch Materials Hot-dipped, mill-galvanized 16 gauge sheet metal to UL 870 & CSA C22.2 No. 26 General Construction Uniform slots 3/4 by 1/4 inch Standard connector slots #10, 5/16 hexhead screws on side panels Screw protection provided
URED 254256CSA	2 1/2 x 4	2 1/2 x 6	
URED 25666CSA	2 1/2 x 6	6 x 6	
URED 25888CSA	2 1/2 x 8	8 x 8	
URED 442525CSA	4 x 4	2 1/2 x 2 1/2	
URED 44254CSA	4 x 4	2 1/2 x 4	
URED 44256CSA	4 x 4	2 1/2 x 6	
URED 4446CSA	4 x 4	4 x 6	
URED 4448CSA	4 x 4	4 x 8	
URED 46254CSA	4 x 6	2 1/2 x 4	
URED 48254CSA	4 x 8	2 1/2 x 4	
URED 2542525CSA	3 1/2 x 4	2 1/2 x 2 1/2	
URED 6644CSA	6 x 6	4 x 4	
URED 6664CSA	6 x 6	6 x 4	
URED 8844CSA	8 x 8	4 x 4	
URED 25844CSA*	2 1/2 x 8	4 x 4	
URED 48256CSA*	4 x 8	2 1/2 x 6	
URED 8848CSA*	8 x 8	4 x 8	
URED 8866CSA*	8 x 8	6 x 6	



*Not stocked - available with short lead times.

Special size reducers are available with short lead times.

Call Draka EP at 1-877-372-5237 for further information.

Electrical Metallic Tubing (EMT)

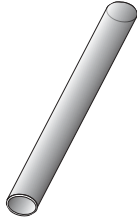
Tubing, Fittings and Accessories



Tubing (10' sections - lightweight, thin wall, UL listed)

90° Elbows (lightweight, thin wall, UL listed)

Part Number	Diameter inches	Standard Packaging*	Part Number	Diameter inches	Standard Packaging*
01-001	1/2	100	02-005	1/2	25
01-002	3/4	100	02-006	3/4	25
01-003	1	50	02-001	1	25
01-004	1 1/4	50	02-002	1 1/4	20
01-005	1 1/2	50	02-003	1 1/2	10
01-006	2	30	02-004	2	10
01-007	2 1/2	10	02-010	2 1/2	1



One-hole Straps (UL, CSA listed)

Hangers with bolts (UL listed)

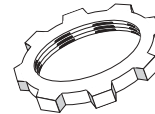
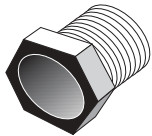
Part Number	Diameter inches	Standard Packaging*	Part Number	Diameter inches	Standard Packaging*
05-000	3/8	100	78-053	1/2	100
05-001	1/2	100	78-078	3/4	100
05-002	3/4	100	78-054	1	100
05-003	1	50	78-080	1 1/4	100
05-004	1 1/4	50	78-055	1 1/2	100
05-005	1 1/2	25	78-079	2	50
05-006	2	20			
05-014	2 1/2	20			



Die-cast Chase Nipples (UL listed, CSA certified)

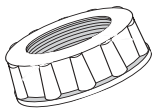
Steel Lock Nuts (UL listed, CSA certified)

Part Number	Diameter inches	Standard Packaging*	Part Number	Diameter inches	Standard Packaging*
06-001	1/2	100	07-001	1/2	100
06-002	3/4	100	07-002	3/4	100
06-005	1	50	07-005	1	100
06-009	1 1/4	25	07-006	1 1/4	50
06-010	1 1/2	25	07-004	1 1/2	50
06-003	2	15	07-003	2	25
06-011	2 1/2	10	07-007	2 1/2	25



Threaded Plastic Insulated Bushings (UL listed, CSA certified)

Part Number	Diameter inches	Standard Packaging*
27-006	1/2	100
27-007	3/4	100
27-005	1	50
27-002	1 1/4	25
27-003	1 1/2	25
27-004	2	10
27-022	2 1/2	10



*All items may be purchased individually. All diameters are trade sizes.

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International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

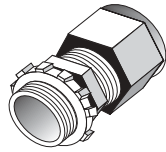
Electrical Metallic Tubing (EMT)

Connectors and Couplings



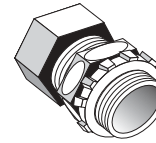
Die-cast Compression Connectors

Part Number	Diameter inches	Standard Packaging*
08-001	1/2	50
08-002	3/4	25
08-003	1	10
08-004	1 1/4	10
08-005	1 1/2	10
08-006	2	5
08-007	2 1/2	12



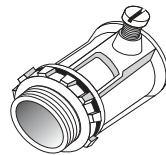
Steel Compression Connectors

Part Number	Diameter inches	Standard Packaging*
69-004	1/2	50
69-005	3/4	25
69-006	1	25
69-007	1 1/4	10
69-008	1 1/2	10
69-009	2	5



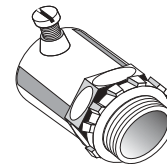
Die-cast Set Screw Connectors

Part Number	Diameter inches	Standard Packaging*
08-021	1/2	100
08-022	3/4	25
08-023	1	10
08-024	1 1/4	10
08-025	1 1/2	10
08-026	2	5
08-027	2 1/2	12



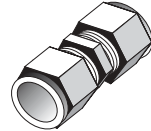
Steel Set Screw Connectors

Part Number	Diameter inches	Standard Packaging*
69-010	1/2	50
69-011	3/4	25
69-012	1	20
69-013	1 1/4	10
69-014	1 1/2	10
69-015	2	5



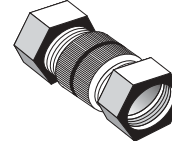
Die-cast Compression Couplings

Part Number	Diameter inches	Standard Packaging*
09-001	1/2	50
09-002	3/4	25
09-003	1	10
09-004	1 1/4	10
09-005	1 1/2	10
09-006	2	5
09-013	2 1/2	12



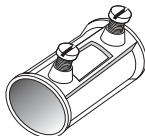
Steel Compression Couplings

Part Number	Diameter inches	Standard Packaging*
69-016	1/2	50
69-017	3/4	25
69-018	1	25
69-019	1 1/4	10
69-020	1 1/2	10
69-021	2	5



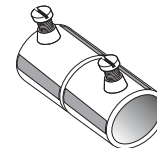
Die-cast Set Screw Couplings

Part Number	Diameter inches	Standard Packaging*
09-027	1/2	50
09-028	3/4	25
09-029	1	10
09-030	1 1/4	10
09-031	1 1/2	10
09-032	2	5
09-033	2 1/2	12



Steel Set Screw Couplings

Part Number	Diameter inches	Standard Packaging*
69-022	1/2	50
69-023	3/4	25
69-024	1	20
69-025	1 1/4	10
69-026	1 1/2	10
69-027	2	5



*All items may be purchased individually. All diameters are trade sizes.

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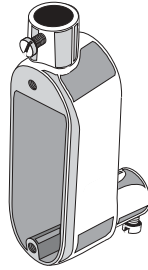
EMT Access Fittings



Type LB/Set Screw (cover separate/see below)

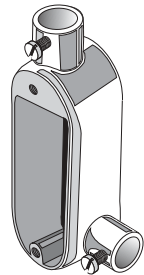
Part Number	Size inches	Standard Packaging*
30-011	1/2	10
30-012	3/4	10
30-013	1	5
30-014	1 1/4	2
30-015	1 1/2	2
30-021	2	1
30-023**	2 1/2	1

**30-023 comes with cover.



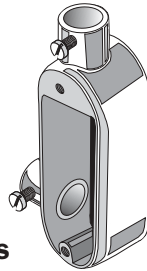
Type LR/Set Screw (cover separate/see below)

Part Number	Size inches	Standard Packaging*
30-030	1/2	10
30-031	3/4	10
30-032	1	5
30-033	1 1/4	2
30-034	1 1/2	2
30-035	2	1



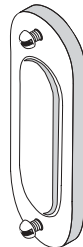
Type LL/Set Screw (cover separate/see below)

Part Number	Size inches	Standard Packaging*
30-040	1/2	10
30-041	3/4	10
30-042	1	5
30-043	1 1/4	2
30-044	1 1/2	2
30-045	2	1



Covers for Type LB, LR and LL Access Fittings

Part Number	Fits Size inches	Standard Packaging*
30-017	1/2	50
30-018	3/4	50
30-019	1	50
30-020	1 1/4 to 1 1/2	25
30-022	2	25



*All items may be purchased individually.

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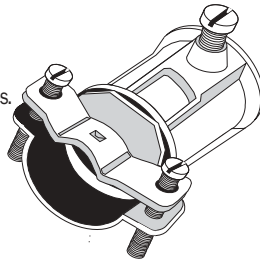
EMT-to-Flex Combination Couplings



Set Screw-type/Die-cast

Part Number	Diameters inches	Standard Packaging*
12-001	1/2 EMT to 3/8 FLEX	50
12-002	1/2 EMT to 1/2 FLEX	25
12-003	3/4 EMT to 3/4 FLEX	20

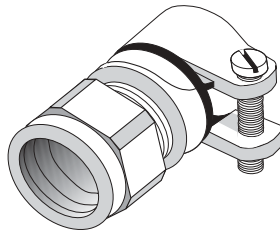
*All items may be purchased individually. All diameters are trade sizes.



Compression-type/Malleable Iron

Part Number	Diameters inches	Standard Packaging*
69-049	1/2 EMT to 3/8 FLEX	25
69-048	1/2 EMT to 1/2 FLEX	10
69-050	3/4 EMT to 3/4 FLEX	10
12-004	1 EMT to 1 FLEX	10
12-006	1 1/4 EMT to 1 1/4 FLEX	5
12-007	1 1/2 EMT to 1 1/2 FLEX	5
12-005	2 EMT to 2 FLEX	2

*All items may be purchased individually. All diameters are trade sizes.



Conduit Benders

Part Number	Description
36-002	Conduit bender, for 1/2" EMT, 4" inside bending radius
36-001	Conduit bender, for 3/4" EMT, 5" inside bending radius
36-000	Conduit bender, for 1" EMT, 6" inside bending radius
36-214	Conduit bender, for 1 1/4" EMT, 9" inside bending radius

Conduit benders have aluminum construction for easy handling. They have a precision-located degree scale, star, arrow and rim notch for perfect bends every time. Markings are raised and cast into bender body on both sides for easy visibility. Grooved internal hook surface helps prevent conduit from slipping. Flat hook surface provides stable starting point.



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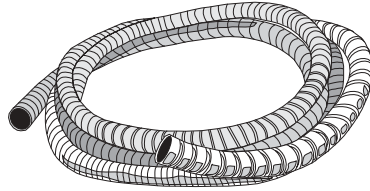
Flexible Metal

Flex Conduit and Fittings



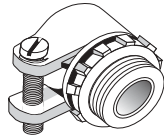
Flexible Steel Conduit, UL listed, thin wall

Part Number	Diameter inches	Standard Packaging
03-001	3/8	2000' reel
03-002	1/2	1000' reel
03-003	3/4	500' reel
03-004	1	50' coil
03-005	1 1/4	50' coil
03-006	1 1/2	50' coil
03-007	2	25' coil



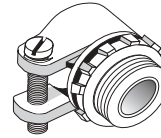
Die-cast Straight Squeeze-type Flex Box Connectors, UL, CSA listed

Part Number	Diameter inches	Standard Packaging*
10-001	3/8	50
10-002	1/2	25
10-003	3/4	25
10-004	1	10
10-005	1 1/4	10
10-006	1 1/2	5
10-010	2	4



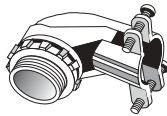
Malleable Iron Straight Squeeze-type Flex Box Connectors, UL, CSA listed

Part Number	Diameter inches	Standard Packaging*
69-035	3/8	100
69-036	1/2	50
69-037	3/4	20
69-038	1	20
69-039	1 1/4	10
69-040	1 1/2	5
69-041	2	2



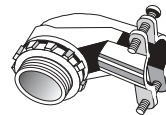
Die-cast 90° Squeeze-type Flex Box Connectors, UL listed and CSA cert.

Part Number	Diameter inches	Standard Packaging*
11-001	3/8	25
11-002	1/2	25
11-003	3/4	15
11-004	1	5
11-005	1 1/4	10
11-006	1 1/2	10
11-008	2	5



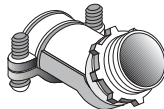
Malleable Iron 90° Squeeze-type Flex Box Connectors, UL listed and CSA cert.

Part Number	Diameter inches	Standard Packaging*
69-028	3/8	50
69-029	1/2	25
69-030	3/4	20
69-031	1	5
69-032	1 1/4	2
69-033	1 1/2	1



Die-cast 45° Squeeze-type Flex Box Connectors, UL, CSA listed

Part Number	Diameter inches	Standard Packaging*
11-034	3/8	50
11-035	1/2	25
11-036	3/4	15



Flex Conduit Cutter

Part Number	Description
36-217	Flex conduit cutter, for 3/8, 1/2 and 5/8" flex conduit
36-218	Replacement blade, one



*All items may be purchased individually.
All diameters are trade sizes.

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wireway/emt

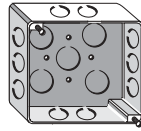
Boxes, Covers and Outlets



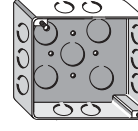
4" Square '1900' Boxes, 1½" deep
type 52151 / UL listed

4" Square '1900' Boxes, 2½" deep
type 52171 / UL listed

Part Number	Knockouts inches	Standard Packaging*
04-020	½	50
04-021	¾	50
04-022	½ & ¾	50



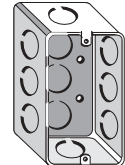
Part Number	Knockouts inches	Standard Packaging*
04-024	½ & ¾	50
04-025	1	50



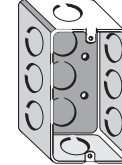
4" x 2 1/8" Utility 'Handy' Boxes, 1 7/8" deep
type 58361 / UL listed

4" x 2 1/8" Utility 'Handy' Boxes, 2 1/8" deep
type 58371 / UL listed

Part Number	Knockouts inches	Standard Packaging*
04-026	½	50
04-027	¾	50

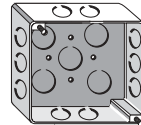


Part Number	Knockouts inches	Standard Packaging*
04-028	½	50
04-029	¾	50



4 11/16" Square Boxes, 2 1/8" deep
type 72171 / UL listed

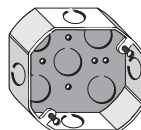
Part Number	Knockouts inches	Standard Packaging*
04-041	½ & ¾	50



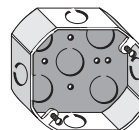
4" Octagonal Boxes, 1½" deep
type 54151 / UL listed

4" Octagonal Boxes, 2½" deep
type 54171 / UL listed

Part Number	Knockouts inches	Standard Packaging*
42-012	½	50
42-011	¾	50

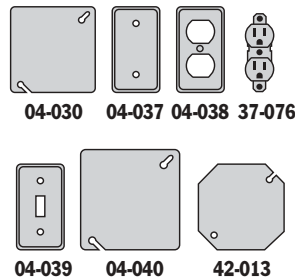


Part Number	Knockouts inches	Standard Packaging*
42-008	1	50



Box Covers, Plates and Outlets, UL listed and CSA certified

Part Number	Size inches	Fits these Part Numbers	Standard Packaging*
04-030	4 x 4	04-020, 21, 22, 24, 25	50
04-037	4 x 2 1/8	04-026, 27, 28, 29	50
04-038	4 x 2 1/8	04-026, 27, 28, 29	50
37-076	125 VAC, 15 amp	04-038	10
04-039	4 x 2 1/8	04-026, 27, 28, 29	50
04-040	4 11/16 x 4 11/16	04-041	50
42-013	4 x 4	42-008, 11, 12	50



*All items may be purchased individually.

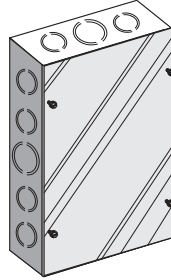
US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
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WIREWAY/gmt

Screw-Cover Pull Boxes with cover and knockouts/UL listed

Part Number	Size inches	Depth inches	Standard Packaging
42-007	4 x 4	4	1
42-006	6 x 6	4	1
42-054	8 x 8	4	1
42-025	10 x 10	4	1
42-051	12 x 12	4	1
42-022	18 x 18	4	1
42-021	24 x 24	4	1
42-055	8 x 8	6	1

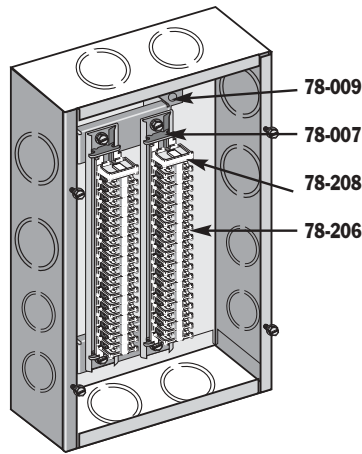


Junction Boxes with cover, knockouts and terminals/terminals only are UL listed

Part Number	Size inches	Depth and Capacity inches • wire count	Standard Packaging
43-036	14 x 8½	3 ¼ • 36 wires	1
43-072	24 x 8½	3 ¼ • 72 wires	1
43-108	36 x 8½	3 ¼ • 108 wires	1

Junction boxes have 2", 1½", ¾" and ½" holes on the sides and 2" and 1½" on the top and bottom.

Drawing shows box with components that must be ordered separately. See Junction Box Components below.



Junction Box Components

Part Number	Description	Standard Packaging
78-206	Tubular terminal clamps (Buchanan 0925)	100
78-007	Channel clamps (Buchanan 61)	100
78-208	End section (Buchanan 0930)	25
78-009	Zinc-plated track (Buchanan 60)	6' lengths



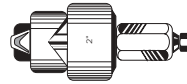
Metal Knockout Plug

Part Number	Size inches	Standard Packaging*
19-021	½	100
19-026	¾	100
19-027	1	50
19-028	1¼	50
19-029	1½	50
19-030	2	25



Greenlee Knockout Punch

Part Number	Size inches	Standard Packaging
36-008	½ to 1¼	1
36-009	1½ to 2	1



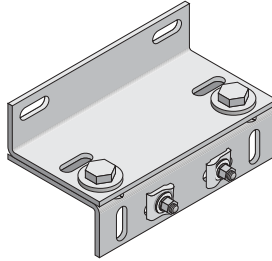
*NOTE: These items may be purchased individually.

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Rail Installation Hardware

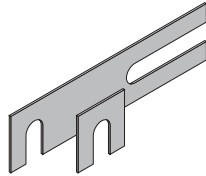
Rail Brackets for standard and seismic applications

Part Number	Description	Size
9743A-1	Small rail bracket assembly with rail clips	2 1/4 to 3 1/4"
9743A-2	Small rail bracket assembly with rail clips	3 to 4 3/4"
9750A-1	Small rail bracket assembly without rail clips	2 1/4 to 3 1/4"
9750A-2	Small rail bracket assembly without rail clips	3 to 4 3/4"
9745A-1	Large rail bracket assembly with rail clips	4 to 6 3/4"
9745A-2	Large rail bracket assembly with rail clips	5 3/4 to 8 1/8"
9745A-3	Large rail bracket assembly with rail clips	7 1/2 to 10 1/4"
9749A-1	Large rail bracket assembly without rail clips	4 to 6 3/4"
9749A-2	Large rail bracket assembly without rail clips	5 3/4 to 8 1/8"
9749A-3	Large rail bracket assembly without rail clips	7 1/2 to 10 1/4"



Rail Bracket Shims

Part Number	Size inches	Thickness inches	Cutout(s) inches
55-020	8 x 2	.030	11/16
55-021	8 x 2	.060	11/16
55-022	8 x 2	.105	11/16
55-023	9 3/8 x 2	.030	13/16
55-024	9 3/8 x 2	.060	13/16
55-025	9 3/8 x 2	.105	13/16
55-026	3 x 2	.015	13/16



Forged Rail Clips

Part Number	Rail Size
55-012	8 lb.
55-013	12 lb.
55-014	16 lb.



Piano/Music Wire for use in rail alignment

Part Number	Description
36-212	Piano/music wire (non-electrical), #3 spool
36-213	Piano/music wire (non-electrical), #5 spool



Manila Rope

36-216	Manila rope, 3/4" diameter, 600' length
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Concrete/Masonry Inserts rated for seismic zones 0 and 1

Part Number	Description
INSERT-12	Insert, 12" long
INSERT-18	Insert, 18" long
INSERT-24	Insert, 24" long
INSERT-30	Insert, 30" long
INSERT-36	Insert, 36" long
INSERT-48	Insert, 48" long



Spring Nuts for Inserts

INSERT-NUT-12	Spring nut, 1/2" size
INSERT-NUT-58	Spring nut, 5/8" size
INSERT-NUT-34	Spring nut, 3/4" size



*NOTE: Ultimate embedded pullout capacity is 4,000 lbs. (2,500 lbs for 12" version). Contact Draka EP for more details on pullout load.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Miscellaneous Hardware



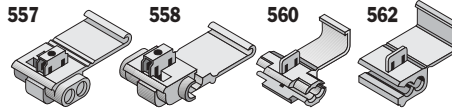
Insulated Butt Splices, UL listed, CSA certified

Part Number	Size	Standard Packaging*	Color
21-001	#22-18	100	Red
21-002	#16-14	100	Blue
21-009	#12-10	100	Yellow



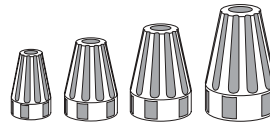
ScotchLok® Components, UL listed, CSA certified

Part Number	Size	Type	Standard Packaging*
22-001	#22-16	Style 557 pigtail - red	100
22-020	#22-16	Style 558 tap - red	100
22-000	#18-14	Style 560 - blue	100
22-021	#12-10	Style 562 tap - yellow	100



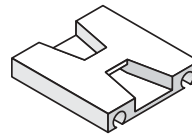
Wire Nuts, UL listed, CSA certified

Part Number	Size	Type	Standard Packaging*
22-009	#22-16	71B - gray	100
22-010	#22-14	72B - blue	100
22-003	#22-14	73B - orange	100
22-005	#18-12	74B - yellow	100
22-004	#18-10	76B - red	100



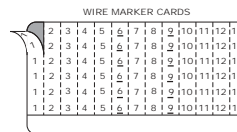
Ty-Raps and Mounting Base, UL listed, CSA certified

Part Number	Length inches	Type	Max. Width inches	Standard Packaging*
23-001	3.62	TY523M	.091	100
23-004	5.50	TY524M	.14	100
23-002	7.31	TY525M	.184	100
23-012	11.1	TY526M	.14	100
23-003	13.4	TY527M	.27	100
23-013	30.0	TY529M	.301	100
23-032	Mounting Base	TC5342A	.19	100



Wire Marker Cards and Dispensers

Part Number	Description	Standard Packaging*
25-001	Wire marker cards - nos. 1 - 33	25
25-003	Wire marker cards - nos. 34 - 66	25
25-005	Wire marker cards - nos. 67 - 99	25
25-006	Wire marker dispenser	1



*All items may be purchased individually.

hardware/tools

US orders/information: **1-877-372-5237 (1-877-DRAKA EP)** Fax: **1-252-972-6001** Canadian orders/information: **1-800-263-8279**
 International orders/information: **+1-252-984-5100** Fax: **+1-252-984-5101** Web: www.draka-ep.com

Mechanical Lugs

Part Number	Size	Hole Size	Standard Packaging*
17-002	#14-6	#10	100
17-005	#1/0-4/0	3/8"	10
17-001	#8-2	1/4"	50
17-031	#14-6	3/8"	10
17-032	#4-2/0	3/8"	10



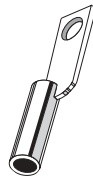
Split-bolt Connectors

Part Number	Size	Standard Packaging*
17-041	#1-3/0	25
17-046	#2-6	100
17-073	#4-8	100
17-086	#10-12	100



Compression Lugs

Part Number	Size	Hole Size	Standard Packaging*
17-019	#1/0	3/8"	10
17-034	#2/0	3/8"	10
17-035	#3/0	3/8"	10
17-036	#4/0	3/8"	10
17-015	#1	3/8"	20
17-020	#2	3/8"	25
17-021	#4	3/8"	50
17-037	#6	3/8"	50
17-022	#8	3/8"	50
17-008	#1	1/2"	20
17-056	#2	1/4"	25



Ring Terminals

Part Number	Type	Size	Standard Packaging*
20-015	#22-18 insulated - red	#6 ring	100
20-026	#22-18 non-insulated	#8 ring	100
20-002	#22-18 insulated - red	#10 ring	100
20-001	#18-14 non-insulated	#10 ring	100
20-003	#16-14 insulated - blue	#10 ring	100



Fork Terminals

Part Number	Type	Size	Standard Packaging*
20-012	#22-18 non-insulated	#6 fork	100
20-048	#22-18 insulated - red	#6 fork	100
20-019	#22-18 insulated - red	#8 fork	100
20-020	#22-18 insulated - red	#10 fork	100
20-016	#16-14 insulated - blue	#6 fork	100
20-017	#16-14 insulated - blue	#8 fork	100
20-018	#16-14 insulated - blue	#10 fork	100



Female Disconnects

Part Number	Type	Size	Standard Packaging*
20-004	#22-18 non-insulated	.110" x .032"	100
20-047	#22-18 insulated	.110" x .032"	100



*All items may be purchased individually.

See page 111 for crimping tools.

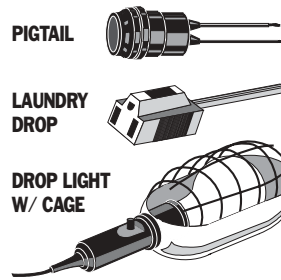
US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279
International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

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Miscellaneous Hardware

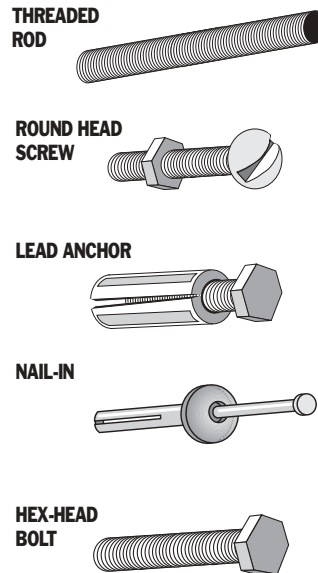
Lights and Electrical

Part Number	Size	Type	Standard Packaging*
36-070	100 watt	Rough service bulbs	60
37-001	-	Porcelain fixture with collar and pull chain	1
37-021	-	Plastic cage	1
33-004	-	Pigtail	1
50-004	-	Laundry drop	1
36-033	25' long	Drop light with cage and hook	1
36-034	50' long	Drop light with cage and hook	1
37-076	125 VAC, 15 amp	Duplex outlet	1
37-149	-	Toggle switch	1



Screws, Fasteners and Accessories

Part Number	Size	Type	Standard Packaging*
44-017	3/8" x 6'	Threaded rods	25
09-051	3/8"	Threaded couplings	100
24-004	3/8"	Lead anchors	100
54-001	3/8"	Flat washers	100
59-004	3/8"	Lock washers	100
55-002	3/8"	Hex nuts	100
26-005	1/4" x 3/4"	Round-head nuts and screws	100
26-001	1/4" x 1"	Round-head nuts and screws	100
26-002	1/4" x 1 1/4"	Round-head nuts and screws	100
26-003	1/4" x 1 1/2"	Round-head nuts and screws	100
26-004	1/4" x 2"	Round-head nuts and screws	100
24-001	1/4" x 1"	Nail-ins	100
24-002	1/4"	Lead anchors	100
54-003	1/4"	Flat washers	100
54-002	1/4"	Lock washers	100
55-001	1/4"	Hex nuts	100
36-035	1/4" x 3"	Toggle bolts	100
36-036	1/4" x 1"	Hex-head bolt	100



Note: Standard fasteners are grade 5, zinc-coated.

*All items may be purchased individually.

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Miscellaneous Hardware



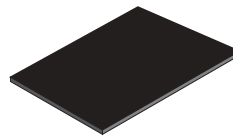
Tape (UL listed, CSA Certified)

Part Number	Size	Type	Standard Packaging*	Part	Size	Type	Standard
16-006	3/4" x 66'	#33 black electrical	10	16-002	3/4" x 60'	Friction	1
16-008	3/4" x 66'	#35 white electrical	10	16-003	3/4" x 22'	Rubber	1
16-009	3/4" x 66'	#35 red electrical	10	16-005	3/4" x 60'	#1700 electrical	10
16-010	3/4" x 66'	#35 blue electrical	10				
16-011	3/4" x 66'	#35 green electrical	10				
16-012	3/4" x 66'	#35 yellow electrical	10				
16-013	3/4" x 66'	#35 orange electrical	10				
16-014	3/4" x 66'	#35 brown electrical	10				



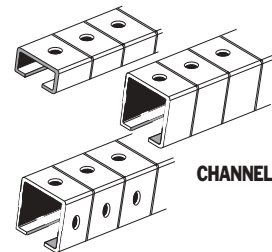
Beam Pads Scotch® 2200

Part Number	Size	Standard Packaging*
22-022	6 1/2 x 4 1/2 x 1/8	10

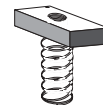


Channel and Components (UL listed)

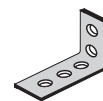
Part Number	Size	Type	Standard Packaging*
44-008	1 1/2" x 3/4" x 10'	B907 14-gauge channel/holes one side	600'
44-001	1 1/2" x 1 1/2" x 10'	B905 12-gauge channel/holes one side	600'
44-025	1 1/2" x 1 1/2" x 10'	B995 14-gauge channel/holes three sides	600'
44-021	1/4"	B911 spring nut for 1 1/2" channel	100
44-064	5/16"	B911 spring nut for 1 1/2" channel	100
44-014	3/8"	B911 spring nut for 1 1/2" channel	100
44-023	1/2"	B911 spring nut for 1 1/2" channel	100
44-024	1/4"	B912 spring nut for 3/4" channel	100
44-018	3/8"	B912 spring nut for 3/4" channel	100
44-072	1/2"	B912 spring nut for 3/4" channel	100
44-058	1/4"	B910 nut for all channel	100
44-059	3/8"	B910 nut for all channel	100
44-057	1/2"	B910 nut for all channel	100
44-032	-	B915 two-hole angle knee connector	50
44-015	-	B916 three-hole angle knee connector	50
44-010	-	B917 five-hole angle knee connector	50
44-022	-	B922 opposite side angle connector	50
44-002	1/2"	C106 EMT strap for 1 1/2" and 3/4" channel	100
44-009	3/4"	C106 EMT strap for 1 1/2" and 3/4" channel	100
44-003	1"	C106 EMT strap for 1 1/2" and 3/4" channel	100
44-019	1 1/4"	C106 EMT strap for 1 1/2" and 3/4" channel	100
44-012	1 1/2"	C106 EMT strap for 1 1/2" and 3/4" channel	100
44-004	2"	C106 EMT strap for 1 1/2" and 3/4" channel	50



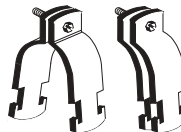
CHANNEL



SPRING NUT



ANGLE CONNECTOR



STRAP

*All items may be purchased individually.

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hardware/tools

Tools

Flexi-Peeler™ Round Stripper



Sock Slicer™

Part Number	Description	Standard Packaging
36-060	For cable dia. 0.2 to 1.5 in • 4.5 to 40 mm	1
36-060-M1	For cable dia. 1.4 to 2.0 in • 35 to 50 mm	1
36-061	Replacement blade for both versions	1

The Flexi-Peeler precisely cuts a jacket with rotary, straight lengthwise and spiral cuts. Cut depth is adjustable.

The **36-060** has two quickly switched hooks that permit its use on cables from 0.2" • 4.5 mm to 1.5" • 40 mm in diameter.



The **36-060-M1** be used on cables with ODs from 1.4 to 2.0" • 35 to 50 mm. A replacement blade is included in the handle.

Part Number	Description	Standard Packaging
36-177	Sock Slicer braid cutter	1

The Sock Slicer braid cutter is specially designed for fast, easy braid removal. The protected blade cannot nick conductors and can be repositioned for optimum sharpness should it ever get dull.



Super Peeler Round Cable Stripper

Part Number	Description	Standard Packaging
36-146	For cable dia. 0.75 to 1.25 in • 19 to 32 mm	1
36-147	For cable dia. 1.25 to 2.00 in • 32 to 51 mm	1
36-148	Replacement blade for both versions	1

Easy to calibrate and use, this unique cable 'peeler' allows you to precisely score round traveling cable jackets for fast removal without nicking the conductors underneath. The spring-loaded blade can be adjusted by turning the dial. Two sizes are available.



FCJ Flat Cable Stripper

Part Number	Description	Standard Packaging
36-135-M1	Stripper	1
36-138	Replacement blades	6
36-139-M1	Replacement blade guide	1

Faster and safer than the utility knife it replaces, the FCJ stripper makes easy work of stripping jackets from flat cables. A rigid, ergonomic handle fits the worker's hand and protects it from cuts and skinned knuckles. The blade is housed in an L-shaped hardened steel guide that eases the stripping operation while keeping the blade and fingers from touching. Two extra blades are included in the handle.



Multimeters and AC/DC Clamp-on Meters

Part Number	OEM Part Number	Description
MIS-MTR-001	n/a	Extech model EX-410 meter , DMM functions and features, Cat 3 600V rated VDC accuracy to 0.50%, temperature (type K) 2000 counts, backlit display, data hold, auto power off, input alert CE/UL certified, one year warranty
MIS-MTR-003	n/a	Extech model EX-470 infrared thermometer , with laser, Cat 3 600V rated VDC accuracy to 0.30%, temperature (type K and infrared), capacitance and frequency 4000 counts, true RMS, autoranging, backlit display, data hold, auto power off, input alert CE/UL certified, three year warranty
MIS-MTR-008	n/a	Extech AC/DC clamp-on meter , Maximum AC current of 600A Measures AC current, AC/DC voltage and resistance, data hold "freezes" data in display 1-1/4" (33mm) jaw opening for large cables (350MCM), peak hold captures in-rush currents audible continuity beeper, auto power off, true RMS voltage and current measurements AC/DC current to 600A, large 4000 count LCD display Capacitance and temperature measurements Includes test leads, 9V battery, carrying case and temperature probe



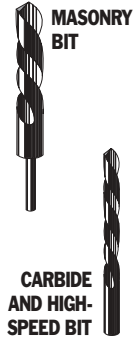
US orders/information: **1-877-372-5237 (1-877-DRAKA EP)** Fax: **1-252-972-6001** Canadian orders/information: **1-800-263-8279**

International orders/information: **+1-252-984-5100** Fax: **+1-252-984-5101** Web: **www.draka-ep.com**

Tools

Drill Bits

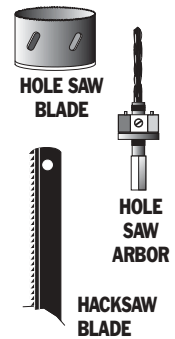
Part Number	Size & Type	Standard Packaging*
36-003	3/8" x 6" masonry bit	12
36-042	1/2" x 6" masonry bit	12
36-004	1/4" carbide bit	12
36-037	1/8" high-speed bit	12
36-041	1/4" high-speed bit	12
36-014	5/16" high-speed bit	6
36-007	3/8" high-speed bit	6
36-040	#7 high-speed bit	12
36-039	#21 high-speed bit	12
36-038	#29 high-speed bit	12



*NOTE: All items may be purchased individually.

Saw Blades and Arbors

Part Number	Size & Type	Standard Packaging*
36-080	7/8" hole saw	1
36-084	1" hole saw	1
36-081	1 1/8" hole saw	1
36-086	1 1/4" hole saw	1
36-099	2" hole saw	1
36-047	2 1/8" hole saw	1
36-049	2 7/8" hole saw	1
36-006	32 teeth/in. hacksaw blade	10
36-083	9/16" to 1 3/16" hole saw arbor	1
36-048	1 1/4" to 6" hole saw arbor	1



*NOTE: All items may be purchased individually.

Flex Conduit Cutter

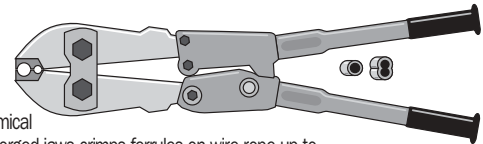
Part Number	Description
36-217	Flex conduit cutter, for 3/8, 1/2 and 5/8" flex conduit
36-218	Replacement blade, one



Swaging Tool, Ferrules and Stops

Part Number	Description	Packaging
36-143	Swaging tool	1
36-145	3/32" • 2 mm ferrules and stops	2 ferrules/2 stops
36-144	1/8" • 3 mm ferrules and stops	2 ferrules/2 stops

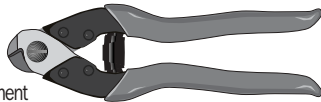
This boltcutter-style swaging tool offers improved leverage and greater speed combined with economical durability. The strong forged jaws crimps ferrules on wire rope up to 1/8" diameter.



Steel Core Cutters

Part Number	Standard Packaging
36-178	1

High-leverage cutters with Swiss-made carbide steel blades that make quick work of the steel reinforcement cable found in traveling cables. Plastic-coated handles for comfort and gripability. Blades lock in a closed position for better fit in a toolbelt.



Crimping Tool

Part Number	Standard Packaging
36-097	1

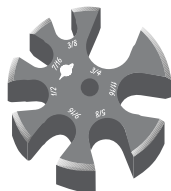
Crimps bare or insulated terminals and splices for wire sizes 22-10 AWG. Plastic-coated handles for comfort and gripability.



Wire Rope Measuring Tool

Part Number	Standard Packaging
WR-MT	1

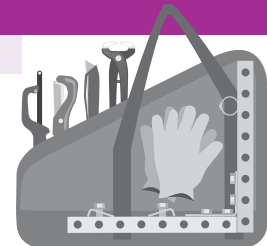
Conveniently-sized tool for quick and accurate measurement of wire rope diameters. If the rope fits in the groove, retire the rope. Made of machined aluminum. Conforms to ANSI A17.1-B44 (2002)



Whisper-Flex® and Steadi-Flex® Strip Kit

Part Number	Standard Packaging
WF-STRP	1

Strip kit with instructions, gloves, hacksaw, nippers, PVC pipe cutters, utility knife, angle bracket (already assembled) and clamps for all Draka compensation cables. Carrying case included.



hardware/tools

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Conduit Benders

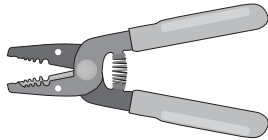
Part Number	Description
36-002	Conduit bender, for 1/2" EMT, 4" inside bending radius
36-001	Conduit bender, for 3/4" EMT, 5" inside bending radius
36-000	Conduit bender, for 1" EMT, 6" inside bending radius
36-214	Conduit bender, for 1 1/4" EMT, 9" inside bending radius

Conduit benders have aluminum construction for easy handling. They have a precision-located degree scale, star, arrow and rim notch for perfect bends every time. Markings are raised and cast into bender body on both sides for easy visibility. Grooved internal hook surface helps prevent conduit from slipping. Flat hook surface provides stable starting point.



Wire Strippers

Part Number	Description
37-177	Wire stripper, for 26 to 16 AWG



Automatic Wire Stripper

Part Number	Description
36-219	Automatic wire stripper, for 22 AWG to 10 AWG
36-220	Replacement blades, one pair



Wire Rope Cutting Tools

Part Number	Description	WR-IMPACT	WR-HYDRAULIC	WR-RATCHET
WR-IMPACT	Impact-style wire rope cutter, Morse-Starrett 101			
WR-HYDRAULIC	Hydraulic-style wire rope cutter, Morse-Starrett W-075			
WR-RATCHET	Ratchet-style wire rope cutter, Cooper Tools 8690 TN			

NOTE: all cutters for wire rope diameters of up to 3/4" • 19 mm

Wire and Reel Organization

Part Number	Description
36-221	Hand wire caddy
36-222	Reel roller, for up to 30" reels



Manila Rope

Part Number	Description
36-216	Manila rope, 3/4" diameter, 600' length



Safety Equipment

Compliance Safety Fall Kit

Part Number	Description
SK-DRAKA-1	Basic safety fall kit , with compliance-level harness, lanyard, cross-arm strap and sack to hold everything



Premium Safety Fall Kit

Part Number	Description
SK-DRAKA-2	Premium safety fall kit , with premium-level harness, lanyard, cross-arm strap and sack to hold everything



Rope Grabs

Part Number	Description
SK-8174X	Rope grab , 5/8" synthetic
SK-8172	Rope grab , 5/16" wire

Safety Kit

Part Number	Description
SK-DRAKA-3	Safety kit , consists of all the items listed to the right.



Safety Kit Components available separately

SK-463942	Hard hat
SK-9305CVA	Goggles
SK-43MB000	Safety glasses
SK-8511	Dust/mist respirator
SK-MAXLITE	Ear plugs , package of 10
SK-30338018	In-line GFCI
SK-02801-00-18	Current tester for GFCI device
SK-34575H	First aid kit
SK-MLT407RVTP	Lock-out tags , package of 25
SK-65960	Lock-out hasp , package of 2
SK-1502RED	Pad lock
SK-7100-02	Knee pads , 1 pair
SK-1JL4095UL	Gloves , with leather palms

Sorbent Oil Spill Absorber

Part Number	Description
SK-SOR-TK	Sorbent , truck kit
SK-SOR-20G	Sorbent , 20 gallons

SK-SOR-TK



SK-SOR-20G



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Terms and Conditions

Warranty and Ordering Information

Sales Terms and Conditions

Terms

Full payment due within thirty (30) days of invoice date.

Conditions

As stipulated on our acknowledgments and invoices.

Freight and Insurance

F.O.B. origin.

Warranty Conditions

All goods offered for sale by Draka Elevator Products, Inc. (hereinafter Draka EP) are offered for sale only on those terms and conditions appearing on the reverse side of Draka EP's Quotation Order Acknowledgment and/or Invoice forms. A SUMMARY OF THE MORE IMPORTANT PROVISIONS OF THESE TERMS AND CONDITIONS OF SALE IS REPRODUCED BELOW.

General

All sales and charges for goods or services sold by Draka EP shall be subject to the terms and conditions set forth on Draka EP Quotation, Order Acknowledgment and/or Invoice forms. Such terms and conditions shall be the sole and exclusive terms and conditions applicable to any sale. Draka EP will not be bound by any terms and conditions proposed by any buyer, which are additional to or different from the terms and conditions referred to above.

Prices

Unless otherwise agreed to in writing, a buyer shall pay to Draka EP its prices for the goods in effect on the date of shipment by Draka EP. All prices are F.O.B. origin apart from those exceptions set forth in Draka EP's Quotation, Order Acknowledgment or Invoice forms. The prices specified do not include sales, use, excise, or similar taxes.

Transportation and Routing

Draka EP shall have the sole control and discretion with respect to mode of transportation and routing.

Risk of Loss

The risk of loss of or damage to the goods shall pass to a buyer at the time Draka EP puts the goods in possession of a common carrier.

Force Majeure

Draka EP shall not be responsible or liable for any delay or failure to deliver any goods if such delay is deemed by statute or otherwise as force majeure.

Shipping Dates

All shipping dates are approximate only. No guarantee of any

shipping date is made unless such guarantee and its terms are specifically stated in writing.

Warranties

(a) Each of the following Draka EP products is warranted to be free from defects in material and workmanship for the life of its original installation, provided that it is installed in an application for which it is intended, as set forth in Draka EP's published installation procedures: SUPER-FLEX® traveling cable; WHISPER-FLEX® compensation cable; SUPERDUCT™ hoistway cable; and metallic wireway. (b) All other cable products manufactured by Draka are warranted to be free from defects in material and workmanship for a period of one (1) year, commencing on the date of shipment to buyer, under conditions of proper and normal recommended use. This includes, but is not limited to: Type ETP, Type EO, zero halogen, polyurethane and neoprene cables.

Terms and Conditions of Warranty

(a) DRAKA EP'S SOLE AND EXCLUSIVE OBLIGATIONS AND LIABILITIES UNDER ITS WARRANTIES ARE AND SHALL BE LIMITED TO ISSUANCE OF CREDIT FOR OR REPAIR OR REPLACEMENT OF ANY GOODS OR PARTS THEREOF WHICH ARE PROVED TO BE OTHER THAN AS WARRANTED, AND DRAKA EP SHALL HAVE SOLE DISCRETION AS TO WHICH OF THESE REMEDIES IT SHALL PROVIDE. DRAKA EP SHALL NOT REIMBURSE OR MAKE ANY ALLOWANCE TO BUYER FOR ANY LABOR CHARGES INCURRED BY BUYER FOR REPLACEMENT, ADJUSTMENT, OR REPAIR OF ANY GOODS OR PARTS THEREOF OR FOR ANY OTHER WORK UNLESS SUCH CHARGES ARE AUTHORIZED IN ADVANCE BY DRAKA EP. (b) If any of the goods on which Draka EP's warranties have not expired are claimed to be other than as warranted, Draka EP shall either examine the goods where they are located or, in its sole discretion, issue shipping instructions for return of the goods or any defective parts thereof, if any goods or parts thereof are returned to Draka EP, the Buyer shall prepay all transportation charges for such return. (c) Any claim for breach of Draka EP's warranties shall conclusively be deemed to be waived unless written notice of such claim is given to Draka EP within ten (10) days after the date on which the claimed defect is discovered. (d) Draka EP's warranties shall

be null and void if the original buyer for use transfers ownership of the warranted goods, unless Draka EP is notified in writing of the transfer and of the name and address of the new owner within fifteen (15) days after the date on which the transfer is made. (e) Draka EP's warranties shall not apply to any goods or parts thereof which have been subjected to any misuses, neglect or accidental damage, which contain defects in any way attributable to improper installation or to alterations or repairs made or performed by any person or entity not under the control of Draka EP or which are or have been used in any application for which they were not designed or intended. Further, Draka EP's warranties shall not apply to any goods or parts thereof which are obtained from manufacturers other than Draka EP and resold by Draka EP. (f) THE WARRANTIES SET FORTH HEREIN ARE DRAKA EP'S SOLE AND EXCLUSIVE WARRANTIES FOR OR RELATING TO THE GOODS. DRAKA EP NEITHER MAKES NOR ASSUMES ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, ANY WARRANTY THAT THE GOODS SHALL BE DELIVERED FREE OF THE RIGHTFUL CLAIM OF ANY THIRD PERSON BY WAY OF INFRINGEMENT OR THE LIKE, OR ANY OTHER WARRANTY OF ANY KIND, EXPRESS, IMPLIED, OR STATUTORY. DRAKA EP NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY OTHER LIABILITY OR OBLIGATION IN CONNECTION WITH THE SALE OR USE OF THE GOODS, AND THERE ARE NO ORAL AGREEMENTS OR WARRANTIES COLLATERAL TO OR AFFECTING THE SALE OF THE GOODS. (g) DRAKA EP'S WARRANTIES, OBLIGATIONS AND LIABILITIES AND BUYER'S REMEDIES SET FORTH HEREIN ARE LIMITED TO THEIR PRECISE TERMS. DRAKA EP SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, FOR, RESULTING FROM OR IN CONNECTION WITH ANY BREACH OF WARRANTY. THE REMEDIES OF BUYER SET FORTH HEREIN SHALL BE THE BUYER'S SOLE AND EXCLUSIVE REMEDIES FOR, RESULTING FROM OR IN CONNECTION WITH DRAKA EP'S WARRANTIES OR ANY BREACH THEREOF.

Cancellation

Orders may be cancelled only with Draka EP's written consent.

Ordering Information

All cataloged items are generally in stock and available for immediate delivery. Call Draka EP for the name of the distributor nearest you.

Draka EP reserves the right to improve, enhance, or modify the features and specifications of Draka EP products without prior notification.

Trademark Information

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US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

Protection Pad Order Form (see page 33 for products)

Fill out one form per cab and fax to Draka Elevator Products at 1-252-972-6001

PO #	Job #	Set #	Date
Bill to:		Ship to:	
Company	Company		
Address	Address		
Address	Address		
City/State/Zip	City/State/Zip		
Contact Name/Phone	Contact Name/Phone		

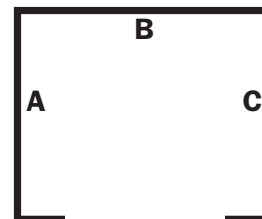
Standard pad sets

Standard pad sets include three pads (walls A, B and C) with grommets installed, pad lock pins and a storage bag.

Standard pads fit up to the maximum cab inside clear size as shown.

Measure the cab and record width and height of each wall.

Part Number	Fits a Maximum Cab Inside Clear Size of:	Wall A	Wall B	Wall C
PAD-2000	5' 8" W x 4' 3" D x 8' H	___ W x ___ H	___ W x ___ H	___ W x ___ H
PAD-2500	6' 8" W x 4' 3" D x 8' H	___ W x ___ H	___ W x ___ H	___ W x ___ H
PAD-3000	6' 8" W x 4' 9" D x 8' H	___ W x ___ H	___ W x ___ H	___ W x ___ H
PAD-3500	6' 8" W x 5' 5" D x 8' H	___ W x ___ H	___ W x ___ H	___ W x ___ H
PAD-4500	5' 8" W x 7' 11" D x 8' H	___ W x ___ H	___ W x ___ H	___ W x ___ H
PAD-5000	5' 11" W x 8' 6" D x 8' H	___ W x ___ H	___ W x ___ H	___ W x ___ H

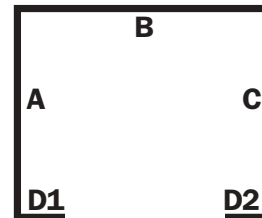


Custom pad sets

Custom pad sets are made to order with grommets installed, pad lock pins and a storage bag.

Measure the cab and record width and height of each wall. Submit cut-out information for car operating panel(s) on separate piece of paper (if required).

Wall A	Wall B	Wall C	Wall D1	Wall D2
___ W x ___ H	___ W x ___ H	___ W x ___ H	___ W x ___ H	___ W x ___ H



Pad material and color

Circle the material and color of the pad.

VINYL BLACK BLUE GRAY GREEN BROWN TAN
CANVAS GRAY BROWN

Hardware

Quantity	Part Number	Studs	Quantity	Part Number	Hooks and Clips
_____	PAD-WS-AL	Wall stud , aluminum, 2" long	_____	PAD-FLATHOOK	Flat hook , vinyl coated
_____	PAD-WS-BR	Wall stud , brass, 2" long	_____	PAD-ROUNDHOOK	Round hook , vinyl coated
_____	PAD-WSST-AL	Wall stud , aluminum, #8 self-tapping screw	_____	PAD-CEILHOOK	Ceiling hook , vinyl coated
_____	PAD-WSST-BR	Wall stud , brass, #8 self-tapping screw	_____	PAD-RETCLIP	Retaining clip , sold 15 per package
_____	PAD-WSRP-AL	Wall stud , aluminum, 3-1/4" long for raised panels			
_____	PAD-WSRP-BR	Wall stud , brass, 3-1/4" long for raised panels			

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 International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com

UV-5AT & UV-5ATC Quotation/Order Form (see page 44 for products)

Fill out and fax to Draka Elevator Products at 1-252-972-6001

Request for quotation OR PO # Job # Date

Bill to:	Ship to:
Company	Company
Address	Address
Address	Address
City/State/Zip	City/State/Zip
Contact Name/Phone	Contact Name/Phone

Required information

Quantity _____ UV-5AT UV-5ATC

Coil voltage (if new coils are required) _____

Valve being replaced (if any) EECO UV-5A (size) _____
 OR Other (Mfg/model/size) _____

Static pressure (psi) OR Empty car weight (lbs) _____ psi lbs
 (empty car at bottom landing) Plunger diameter (in) OR _____ in diameter
Plunger circumference (in) _____ in circumference

Flow rate (gpm) OR Car speed UP (fpm) _____ gpm fpm
 AND Car speed DOWN (if different) _____ fpm

Maximum operating pressure (psi) OR Capacity (lbs) _____ psi lbs
 (required for UV-5ATC)

Total travel (ft) _____ ft

Line connections Standard 2" NPT Pump Jack Return
 OR Optional 2" Grooved Pump Jack Return

Jack port Standard LH Optional RH

Optional features

Pressure gage quick disconnect Pump Jack

0-1000 psi liquid-filled pressure gage? Yes No

Low pressure switch? Yes No

Dual voltage down leveling coil for emergency (battery back up) lowering? Yes No

Constant down speed? (for UV-5ATC only) Yes No

Roped application options

Modified down piston to close at low pressure (< 50 psi)? Yes No

Manual lowering with low pressure cutoff? Yes No

Date valve required

UV-5AT



The UV-5AT hydraulic control valve is equipped with full temperature compensation over its entire operational range (80° to 150°F). Modifications to the valve body as well as improvements to its internal parts have drastically simplified UV-5AT down adjustments as well as making it the quietest valve on the market.

UV-5ATC



The UV-5ATC offers both temperature and pressure compensation, which is built into the redesigned down piston assembly. It maintains constant down speed between no load and full load conditions. No field adjustments are required.

US orders/information: 1-877-372-5237 (1-877-DRAKA EP) Fax: 1-252-972-6001 Canadian orders/information: 1-800-263-8279

International orders/information: +1-252-984-5100 Fax: +1-252-984-5101 Web: www.draka-ep.com