PRODUCT CATALOG

Explosion-proof electrical components

HAZARDOUS LOCATION FITTINGS

Fittings and outlet boxes for Class I, Class II and Class III locations.



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EYS Series

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07 **COUPLING ADAPTERS**
KF--LK · KF--XG

CERTIFICATION

cULus Listed for hazardous locations.

Industrie LEDEX Inc.
www.ledex.ca

Product design and specifications subject to change without notice.

SEALING FITTING

EYS Series | Vertical or horizontal

COMPLIANCE

MATERIAL

Grey Iron or Ductile Iron

FINISH

HDG + Zinc Plated

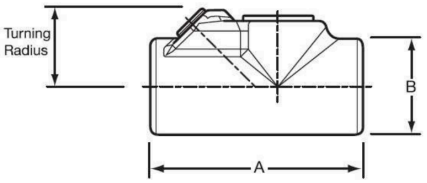
NEC / CEC

Class I, Division 1 & 2, Groups C, D

Class II, Division 1, Groups E, F, G

Class III, Division 1 & 2

DIMENSIONS



Turning radius, dimension A (length) and dimension B (hub) as tabulated.



EYS SERIES SEALING FITTING

CAT#		TRADE SIZE	DIMENSION		TURNING RADIUS
FEMALE	MALE & FEMALE		A	B	
EYS11	EYS116	1/2"	3.63	1.25	1.09
EYS21	EYS216	3/4"	3.66	1.50	1.25
EYS31	EYS316	1"	4.25	1.75	1.59
EYS4	EYS46	1-1/4"	5.00	2.25	1.81
EYS5	EYS56	1-1/2"	5.44	2.44	2.00
EYS6	EYS66	2"	6.25	3.00	2.31
EYS7	EYS76	2-1/2"	7.50	3.50	2.56
EYS8	EYS86	3"	8.50	4.25	3.09
EYS9	EYS96	3-1/2"	9.19	4.75	3.38
EYS10	EYS106	4"	9.75	5.25	3.53

Dimensions in inches.

02

GUA SERIES OUTLET BOX

GUA · GUAB · GUAC · GUAW



CONSTRUCTION

Neoprene O-ring is standard

Cast iron alloy bodies and cast aluminum covers (iron covers also available)

Internal green grounding screw is standard

NEC / CEC

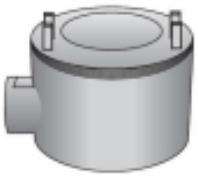
Class I, Division 1 & 2, Groups C, D

Class II, Division 1, Groups E, F, G

Class II, Division 2, Groups F, G

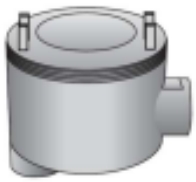
Class III

GUA



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUA14	GUA14A	1/2"	2"
GUA24	GUA24A	3/4"	2"
GUA16	GUA16A	1/2"	3"
GUA26	GUA26A	3/4"	3"
GUA36	GUA36A	1"	3"
GUA47	GUA47A	1-1/4"	3-5/8"
GUA59	GUA59A	1-1/2"	5"

GUAB



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAB14	GUAB14A	1/2"	2"
GUAB24	GUAB16A	1/2"	3"
GUAB16	GUAB24A	3/4"	2"
GUAB26	GUAB26A	3/4"	3"
GUAB36	GUAB36A	1"	3"
GUAB47	GUAB47A	1-1/4"	3-5/8"
GUAB59	GUAB59A	1-1/2"	5"
GUAB69	GUAB69A	2"	5"

GUAC



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAC14	GUAC14A	1/2"	2"
GUAC16	GUAC16A	1/2"	3"
GUAC24	GUAC24A	3/4"	2"
GUAC26	GUAC26A	3/4"	3"
GUAC36	GUAC36A	1"	3"
GUAC47	GUAC47A	1-1/4"	3-5/8"
GUAC49	GUAC49A	1-1/4"	5"
GUAC59	GUAC59A	1-1/2"	5"
GUAC69	GUAC69A	2"	5"

GUAW



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAW14	GUAW14A	1/2"	2"
GUAW16	GUAW16A	1/2"	3"
GUAW24	GUAW24A	3/4"	2"
GUAW26	GUAW26A	3/4"	3"

Product design and specifications
subject to change without notice.

GUAL



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAL14	GUAL14A	1/2"	2"
GUAL16	GUAL16A	1/2"	3"
GUAL24	GUAL24A	3/4"	2"
GUAL26	GUAL26A	3/4"	3"
GUAL36	GUAL36A	1"	3"
GUAL47	GUAL47A	1-1/4"	3-5/8"
GUAL49	GUAL49A	1-1/4"	5"
GUAL59	GUAL59A	1-1/2"	5"
GUAL69	GUAL69A	2"	5"

GUAN



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAN14	GUAN14A	1/2"	2"
GUAN16	GUAN16A	1/2"	3"
GUAN24	GUAN24A	3/4"	2"
GUAN26	GUAN26A	3/4"	3"
GUAN36	GUAN36A	1"	3"
GUAN47	GUAN47A	1-1/4"	3-5/8"
GUAN59	GUAN59A	1-1/2"	5"
GUAN69	GUAN69A	2"	5"

GUAT



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAT15	GUAT15A	1/2"	2"
GUAT16	GUAT16A	1/2"	3"
GUAT24	GUAT24A	3/4"	2"
GUAT26	GUAT26A	3/4"	3"
GUAT36	GUAT36A	1"	3"
GUAT47	GUAT47A	1-1/4"	3-5/8"
GUAT59	GUAT59A	1-1/2"	5"
GUAT69	GUAT69A	2"	5"

GUAX



CAT#		TRADE	COVER
FERROUS	ALUM.	SIZE	OPENING
GUAX14	GUAX14A	1/2"	2"
GUAX16	GUAX16A	1/2"	3"
GUAX24	GUAX24A	3/4"	2"
GUAX26	GUAX26A	3/4"	3"
GUAX36	GUAX36A	1"	3"
GUAX47	GUAX47A	1-1/4"	3-5/8"
GUAX59	GUAX59A	1-1/2"	5"
GUAX69	GUAX69A	2"	5"

03

CONDUIT UNION

UNY · UNF



MATERIAL

Ductile Iron (2 1/2"-6") or Steel (1/2"-2")

FINISH

Zinc Plated

NEC / CEC

Class I, Division 1 & 2, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class III, Division 1 & 2

UNY



CAT#		TRADE SIZE	LENGTH	DIA
FERROUS	ALUM.			
UNY15	UNY15A	1/2"	2.39	1.50
UNY20	UNY20A	3/4"	2.44	1.81
UNY25	UNY25A	1"	2.75	2.00
UNY32	UNY32A	1-1/4"	3.06	2.75
UNY40	UNY40A	1-1/2"	3.63	3.06
UNY50	UNY50A	2"	3.50	3.81
UNY65	UNY65A	2-1/2"	4.81	4.31
UNY80	UNY80A	3"	5.34	5.06
UNY90	UNY90A	3-1/2"	5.50	5.69
UNY100	UNY100A	4"	5.63	6.19
UNY125	UNY125A	5"	5.25	8.19
UNY150	UNY150A	6"	5.38	9.31

UNF



CAT#		TRADE SIZE	LENGTH	DIA
FERROUS	ALUM.			
UNF15	UNF15A	1/2"	1.88	1.50
UNF20	UNF20A	3/4"	2.13	1.81
UNF25	UNF25A	1"	2.16	2.00
UNF32	UNF32A	1-1/4"	2.25	2.75
UNF40	UNF40A	1-1/2"	2.75	3.06
UNF50	UNF50A	2"	2.50	3.81
UNF65	UNF65A	2-1/2"	3.50	4.31
UNF80	UNF80A	3"	4.00	5.06
UNF90	UNF90A	3-1/2"	4.16	5.69
UNF100	UNF100A	4"	4.25	6.19
UNF125	UNF125A	5"	3.81	8.19
UNF150	UNF150A	6"	3.81	9.31

Length and diameter in inches.

REDUCER & PLUG

REA · PLG (Recessed) · PLG (Square Head)

REA



MATERIAL
Steel
FINISH
Zinc Plated

CAT#	MALE SIZE	FEMALE SIZE
REA12	1/2"	3/4"
REA23	3/4"	1"
REA34	1"	1 1/4"

PLG (RECESSED)



MATERIAL
Steel (1/2"-1")
Malleable Iron (1 1/4"-4")
FINISH
Zinc Plated

CAT#	SIZE
PLG1	1/2"
PLG2	3/4"
PLG3	1"
PLG4	1 1/4"
PLG5	1 1/2"
PLG6	2"
PLG7	2 1/2"
PLG8	3"
PLG9	3 1/2"
PLG10	4"

PLG (SQUARE HEAD)



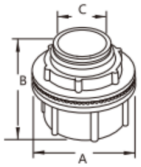
MATERIAL
Steel
FINISH
Zinc Plated

CAT#	SIZE
PLG15	1/2"
PLG25	3/4"
PLG35	1"
PLG45	1 1/4"
PLG55	1 1/2"
PLG65	2"
PLG75	2 1/2"
PLG85	3"
PLG95	3 1/2"
PLG105	4"

CONDUIT HUBS

ST · STG · STG-M

WATERTIGHT HUB



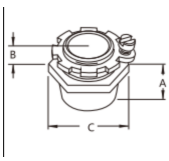


MATERIAL
Die Cast Zinc or Alum.

NEC / CEC
Class I, Division 2
Class II, Division 1 & 2
Class III, Division 1 & 2

CAT#		TRADE	DIMENSION (IN)		
FERROUS	ALUM.	SIZE	A	B	C
ST15	ST15A	1/2"	1.340	2.000	0.810
ST20	ST20A	3/4"	1.470	2.250	0.910
ST25	ST25A	1"	1.660	2.500	1.030
ST32	ST32A	1 1/4"	1.690	3.250	1.030
ST40	ST40A	1 1/2"	1.690	3.500	1.030
ST50	ST50A	2"	1.750	4.250	1.090
ST65	ST65A	2 1/2"	2.220	4.750	1.280
ST80	ST80A	3"	2.310	5.250	1.380
ST90	ST90A	3 1/2"	2.380	5.500	1.440
ST100	ST100A	4"	2.440	6.250	1.500

CONDUIT HUB



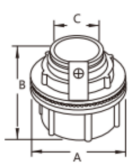


MATERIAL
Malleable Iron

FINISH
Zinc Plated
HDG available

CAT#	TRADE	DIMENSION (IN)		
	SIZE	A	B	C
STG15M	1/2"	0.813	0.625	1.500
STG20M	3/4"	0.938	0.625	1.813
STG25M	1"	1.063	0.750	2.063
STG32M	1 1/4"	1.250	0.750	2.313
STG40M	1 1/2"	1.250	0.813	3.125
STG50M	2"	1.250	0.813	3.563
STG65M	2 1/2"	1.625	1.188	4.125
STG80M	3"	1.750	1.250	4.938
STG90M	3 1/2"	1.813	1.313	5.750
STG100M	4"	1.938	1.375	6.188
STG125M	5"	2.063	1.438	7.438
STG150M	6"	2.125	1.563	8.813

WATERTIGHT GROUND HUB





MATERIAL
Die Cast Zinc or Alum.

NEC / CEC
Class I, Division 2
Class II, Division 1 & 2
Class III, Division 1 & 2

CAT#		TRADE	DIMENSION (IN)		
FERROUS	ALUM.	SIZE	A	B	C
STG15	STG15A	1/2"	1.340	2.000	0.810
STG20	STG20A	3/4"	1.470	2.250	0.910
STG25	STG25A	1"	1.660	2.500	1.030
STG32	STG32A	1 1/4"	1.690	3.250	1.030
STG40	STG40A	1 1/2"	1.690	3.500	1.030
STG50	STG50A	2"	1.750	4.250	1.090
STG65	STG65A	2 1/2"	2.220	4.750	1.280
STG80	STG80A	3"	2.310	5.250	1.380
STG90	STG90A	3 1/2"	2.380	5.500	1.440
STG100	STG100A	4"	2.440	6.250	1.500

Product design and specifications
subject to change without notice.

EXPLOSION PROOF FLEXIBLE COUPLING

Flameproof type · KF--GJH · 1/2"–2" · stainless steel



TWO MALE FITTING	KF--GJH-M
TWO FEMALE FITTING	KF--GJH-F
MALE TO FEMALE END	KF--GJH-F/M

Certified to explosion-proof standard with cULus, ATEX and IECEx. The whole assembly is stainless steel with a compact, sealing structure that protects electrical equipment in hazardous environments. Both end connectors switch between male and female thread to suit the installation.

Highly flexible to resist bending and explosion pressure while absorbing vibration — for short runs, narrow spaces and locations with long-term vibration.

Applied where explosive gas, dust or flyings are present: refineries, offshore oil platforms, gas plants, petrochemical and chemical plants, grain mills and gas stations.

SIZE · BENDING RADIUS · AVAILABLE LENGTHS

NOMINAL SIZE	BENDING RADIUS (MM)	LENGTH "L" (IN)	CLASS I DIV 1 GROUPS
1/2"	254	4 – 36	A, B, C, D
3/4"	305	4 – 36	A, B, C, D
1"	356	6 – 36	C, D
1-1/4"	406	12 – 36	C, D
1-1/2"	406	12 – 36	C, D
2"	406	12 – 36	C, D

Length limit 4"–36" per UL specification. Nominal 2" adopts a 1–1/2" conduit body. All sizes are also Class II Division 1, Groups E, F, G and Class III.

HAZARDOUS LOCATION RATINGS

UL 1203

1/2"-3/4": Class I Div 1, Groups A, B, C, D

1"-2": Class I Div 1, Groups C, D

Class II Div 1, Groups E, F, G · Class III

IEC 60079 · 1/2"–4"

Ex db IIC Gb · Ex tb IIIC Db

ATEX · 1/2"–4"

II 2G Ex db IIC Gb · II 2D Ex tb IIIC Db

PART NUMBER — KF--GJH X X XX X 1

#	FIELD	CODES
1	Category	KF--GJH
2	Conduit size	1: 1/2" · 2: 3/4" · 3: 1" · 4: 1-1/4" · 5: 1-1/2" · 6: 2"
3	Fitting type, both ends	M: two male · F: two female · F/M: male to female
4	Conduit length (in)	4 · 6 · 8 · 10 · 12 · 15 · 18 · 21 · 24 · 27 · 30 · 33 · 36
5	Thread	1: M · 2: NPT
6	Core material	1: Stainless steel

IEC-only conduit sizes: 7: 2–1/2" · 8a: 3a" · 8b: 3b" · 9: 4". Example: KF--GJH1M411 — 1/2", two male, 4", M thread, stainless steel.

COMPRESSION STRENGTH

Max. 2000 psi (1/2", 3/4")

Max. 1200 psi (1"-2")

THREAD

NPT, M

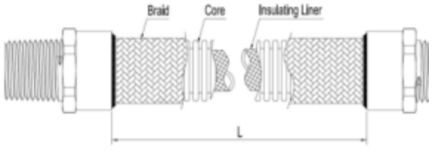
ROHS COMPLIANCE

Yes

CERTIFICATES

cULus (E490826) · IECEx (IECEx UL 20.0075U) · ATEX (DEMKO 20 ATEX 2393U Rev. 0) · TS (TD09002U)

PROFILE



FLEXIBLE COUPLING ADAPTERS

KF--LK straight · KF--XG 90° elbow · 1/2"–6"



Adapters adopt different installation conditions and give more mounting options for the explosion proof flexible coupling. Made in stainless steel, brass or iron with a compact, dense structure and certified to UL 1203. Assembled firmly to the coupling and to the explosion proof box, they complete the explosion proof system.

STRAIGHT · TWO FEMALE	KF--LK-F	ELBOW · TWO FEMALE	KF--XG-F
STRAIGHT · TWO MALE	KF--LK-M	ELBOW · TWO MALE	KF--XG-M
STRAIGHT · FEMALE TO MALE	KF--LK-F/M	ELBOW · FEMALE TO MALE	KF--XG-F/M
STRAIGHT · MALE TO FEMALE	KF--LK-M/F	ELBOW · MALE TO FEMALE	KF--XG-M/F

SIZES · THREADS · PACKAGE

NOMINAL CONDUIT SIZE	M THREAD	NPT THREAD	LK PCS/BOX	XG PCS/BOX
1/2"	M20x1.5	1/2"	10	6
3/4"	M25x1.5	3/4"	10	6
1"	M32x1.5	1"	10	6
1-1/4"	M40x1.5	1-1/4"	5	2
1-1/2"	M50x1.5	1-1/2"	5	2
2"	M63x1.5	2"	5	2
2-1/2"	M75x1.5	2-1/2"	2	1
3"	M90x2	3"	2	1
4"	M110x2	4"	2	1
5"	M140x2	5"	1	1
6"	M164x2	6"	1	1

WEIGHT PER BOX (KG)

SIZE	LK-F	LK-M	LK-F/M	XG-F	XG-M	XG-F/M
1/2"	2.9	3.7	3.2	3.0	3.0	2.8
3/4"	3.8	4.6	4.3	4.2	4.0	3.9
1"	5.3	7.6	6.4	5.8	6.1	5.4
1-1/4"	3.5	4.6	3.9	2.6	2.7	2.4
1-1/2"	4.1	5.7	4.9	3.2	3.3	3.0
2"	5.8	8.1	6.5	4.6	4.9	4.3

Weights not published for 2–1/2"–6" or for the M/F configurations.

PART NUMBER — KF -- XX X X X X

#	FIELD	CODES
1	Category	KF — abbreviation of KAIFLEX
2	Type	LK: straight · XG: 90° elbow
3	Size	1: 1/2" · 2: 3/4" · 3: 1" · 4: 1-1/4" · 5: 1-1/2" · 6: 2" · 7: 2-1/2" · 8: 3" · 9: 4" · 10: 5" · 11: 6"
4	Adapter type, both ends	F: rotating female to female · M: rotating male to male · F/M: rotating female to male · M/F: rotating male to female
5	Thread	1: M · 2: NPT
6	Material	1: Stainless steel 304 · 2: Brass · 3: Iron

MATERIAL
Stainless Steel 304 (1/2"-6")
Brass (1/2"-2") · Iron (2-1/2"-6")

THREAD
NPT, M · RoHS compliant

COMPRESSION STRENGTH
Max. 6000 psi (1/2", 3/4")
Max. 1200 psi (1"-2")

CERTIFICATE
cULus (File no. E490826)

