

# Product **Up** **UD-79** **date**



an **ArvinMeritor**™ brand

October 2002

## FRICITION PRODUCTS

- Brake Block and Lining
- New Lined Shoes & Shoe Box Kits
- Remanufactured Shoes & Shoe Box Kits



**INTRODUCING!**

**EUCLID**  
**RENEW**

REMANUFACTURED PARTS

an **ArvinMeritor**™ brand

**Remanufactured Lined Shoes &  
Shoe Box Kits with "Smart Part"  
Kit Numbering!**

# CONTENTS

Brake Application Chart .....	6
Brake Type Designation .....	3
Euclid Friction Materials .....	4
Euclid New Lined Brake Shoes & Shoe Box Kits .....	8
Friction Competitive Comparison Chart .....	7
Non-Asbestos Brake Block .....	5
Numerical Listing .....	12
Part Number System and Brake Type .....	3
RENEW Remanufactured Lined Brake Shoes & Shoe Box Kits .....	10

# EUCLID LINED BRAKE SHOE AND SHOE BOX KIT PART NUMBER SYSTEM

## EUCLID LINED BRAKE SHOE AND SHOE BOX KIT PART NUMBER SYSTEM

### NEW AND *RENEW* REMANUFACTURED LINED BRAKE SHOES

E ▲	X ▲	2778 ▲	77 ▲
Euclid	Used if shoe is ReNew remanufactured	Bare shoe part no. * for detailed brake shoe information, see Euclid Catalog 100B	Friction Mix

### NEW LINED SHOE BOX KITS

E ▲	7901 ▲
Euclid	Kit Base Number * for detailed shoe box kit information, see Euclid Catalog 100B

### *RENEW* REMANUFACTURED SHOE BOX KIT "SMART PART" NUMBERS

E ▲	XK ▲	77 ▲	4515 ▲	Q ▲
Euclid	ReNew remanufactured Kit	Friction Mix	FMSI No.	Brake Type Designation

## BRAKE TYPE DESIGNATION REFERENCE

Brake type designation letters appear at the end of *RENEW* remanufactured shoe box kit "smart part numbers"

Brake Type Designation	Brake Manufacturer	Brake Type
E	Eaton	Non-ES
E1	Eaton	ES 1st Generation
E2	Eaton	ES 2nd Generation
F3	Fruehauf	XEM3
G2	Eaton	ES 2nd Generation (core)
P	Meritor	P
Q	Meritor	Q
QP	Meritor	Q Plus
XEM	Fruehauf	XEM3 (core)

# EUCLID FRICTION MATERIAL

Euclid offers a comprehensive line of non-asbestos friction material products from brake block and lining sets for both domestic and import vehicles to disc pad sets for hydraulic disc brake applications.

Euclid friction materials are quality non-asbestos products designed to meet the needs of a price sensitive market. They provide excellent stopping performance, good wear and brake drum compatibility in a full range of "S" cam brake applications.

## **Euclid Friction Materials are Designated as:**

### **STANDARD**

*Basic friction material at the lowest price.*

### **PREMIUM**

*General application material for on-highway use.*

### **SUPREME**

*Medium to high friction material for a wider range of on-highway use.*

### **HEAVY-DUTY SUPREME**

*For higher axle ratings and higher load applications on- and off-highway.*

Euclid offers a selection of "special application" materials such as wedge brake, combination and metallic; a wide selection of disc pad sets for hydraulic disc brakes and import brake block and lining sets.

For a complete listing of available FMSI numbers available in block or lining sets, consult your Euclid Price book (A-227).

# NON-ASBESTOS BRAKE BLOCK



Product Code 301

## STANDARD

**E55**  
Edge Color/None  
FF Friction

An economy non-asbestos brake block developed for the price sensitive aftermarket. Use for "S" cam brakes on trucks, tractors and trailers hauling general freight on-highway. FMVSS 121 rated at 20,000 lbs. GAWR.

## PREMIUM

**E77**  
Edge Color/None  
FF Friction

A standard "Aftermarket Level" non-asbestos brake block that exhibits some of the performance characteristics of a premium material. Use for "S" cam brakes on trucks, tractors and trailers hauling a wide range of freight on-highway. FMVSS 121 rated at 21,000 lbs. GAWR.

## SUPREME

**E78**  
Edge Color/None  
FF Friction

A premium "Aftermarket Level" non-asbestos brake block that provides medium to high friction levels. Use for "S" cam brakes on trucks, tractors and trailers in heavy-duty freight applications where higher temperatures are generated. FMVSS 121 rated at 23,000 lbs. GAWR.

## HEAVY-DUTY SUPREME

**E88**  
Edge Color/None  
FF Friction

An "Aftermarket Level" heavy-duty non-asbestos brake block that has superior resistance to fade. Use for trucks, tractors, trailers and buses in on- and off-highway applications with higher than normal loads. FMVSS 121 rated at 23,000 lbs. GAWR.

## SEVERE SERVICE

**E98**  
Severe Service  
Metallic  
Combination  
FF/FF Friction

A premium combination, non-asbestos block for all types of hauling over all terrains. Combines E100 metallic cam block segments with organic E78 anchor block segments. Provides excellent brake power and resistance to fade regardless of cold or hot (up to 900°F) temperatures. FMVSS 121 rated at 23,000 lbs. GAWR.

# BRAKE APPLICATION CHART

There is no such thing as "ONE" friction compound, grade or mix to satisfy the braking requirements for all vehicles, terrain, speeds, type of load, weight, heat or road conditions.

Euclid offers a variety of compounds for your specific brake block, lining, and disc pad needs.

Use the chart below as a guide to select the proper friction material for your application.

TYPE VEHICLE	TYPE FREIGHT	TYPE TERRAIN	RECOMMENDED FRICTION	AXLE RATING/ AL FACTOR
TRUCKS TRACTORS TRAILERS with 7" or larger S-Cam brakes and A/L factors of 165 or higher	GENERAL	LEVEL	E55 E77 E78	20,000 / 180 21,000 / 180 23,000 / 180
		LEVEL- MOUNTAINOUS	E77 E78 E88	21,000 / 180 23,000 / 180 23,000 / 180
	LOGGING REFUSE LIQUID SURGE GRAIN GRAVEL SAND CEMENT	LEVEL	E78 E88 E98 COMBINATION	23,000 / 180 23,000 / 180 23,000 / 180
		LEVEL- MOUNTAINOUS	E88 E94 E98 COMBINATION E100 METALLIC	23,000 / 180 25,000 / 180 23,000 / 180 25,000 / 180
	GENERAL	CROSS COUNTRY	E77 E78	21,000 / 180 23,000 / 180
TRACTORS TRAILERS with 6" or larger S-Cam brakes and A/L factors of 165 or lower	GENERAL	LEVEL	E77 E78	19,000 / 165 21,000 / 165
		LEVEL- MOUNTAINOUS	E78 E88	21,000 / 165 21,000 / 165
	LOGGING REFUSE LIQUID SURGE GRAIN GRAVEL SAND CEMENT	LEVEL- MOUNTAINOUS	E88 E94 E98 COMBINATION E100 METALLIC	21,000 / 165 25,000 / 180 23,000 / 180 25,000 / 180
	GENERAL	CROSS COUNTRY	E77 E78	19,000 / 165 21,000 / 165
TRUCKS, TRACTORS, TRAILERS AND EQUIPMENT	ALL	SEVERE SERVICE AND/OR OFF ROAD	SD1 (WEDGE BRAKE) E94 E100 METALLIC	25,000 / 180 25,000 / 180 25,000 / 180
MEDIUM-DUTY TRUCKS/ HEAVY-DUTY TRUCK STEERING AXLES	ALL	SCHOOL BUS CITY DELIVERY LEVEL-	E78 E88	21,000 / 165 21,000 / 165 MOUNTAINOUS

## EUCLID FRICTION MATERIALS COMPETITOR COMPARISON GUIDE

This chart does not imply that the competitive material shown is a direct cross Euclid. Competitor materials may differ slightly in axle rating or AL factor from the Euclid mixes or other mixes shown, but are in the most similar category for comparison purposes only.

EUCLID	E55 (Economy)	E77 (Standard)	E78 (Mid-Premium)	E88 (Premium)	E98 (Combination)	E78 or E88 (Front Axle)
ABEX (FEDERAL MOGUL)	XL 6014 XC 6085		EN 6008 EL 6011	EX 685 Premier	EM 6069/EX 685	EN 6008
BENDIX	BXV		BXS	BXP	BXCM	
BBA	6001	4001M		3002T	3001T/3002T	
BRAKE PRO/ CANADIAN METALLIC	CM14 CM15	CM16	CM18 CM20	CM22A	CMB42	CML48
CARLISLE	NA100	MB19	HD2A MB21	MB23 CF2000	MBC62 E44	MB21 HD2L
FRAS-LE	AF540	AF550	AF555	AF557	AF560/AF555	AF555 or AF557
HEAVY DUTY FRICTION GROUP (BT/Grey Rock/Midland)	TN NP	GD/2016 TT	GS/2015 Silver	GG/2020 Gold TG	GC GRC Combination	TT TS
MARATHON	MH	UB	FL DL	HS HST	TH MBC	FL/DL HS
MERITOR AFTERMARKET FRICTION	EG	MG1	MG2L	MG2	CG	MG2L or MG2
SPICER All American/Quality Assured	Green White	Silver	Blue	Red Yellow	Bronze Orange	

# EUCLID NEW LINED BRAKE SHOES & SHOE BOX KITS

- Euclid Brand Quality Friction Mixes - Are Aftermarket Competitive
- Brake Shoes and Kits Are Available for All Popular Brake Applications
- New Steel Provides Longest Brake Shoe Life & Performance
- Euclid Brake Hardware Provides Aftermarket Solutions to Fleet Maintenance Needs With Features Like Knurled Rollers

BRAKE TYPE	BRAKE SIZE	FMSI	EUCLID PART NO.	FRICTION MIX	FRICTION TYPE	GAWR RATING	UNLINED NEW SHOE PART NO.
<b>EUCLID NEW LINED BRAKE SHOES</b>							
Meritor "Q"	12 1/4" x 7 1/2"	4670	<b>E-3491-77</b>	E77	Premium	21K	E-3491
Meritor "Q"	12 1/4" x 7 1/2"	4670	<b>E-3491-88</b>	E88	H.D. Supreme	23K	E-3491
Eaton	15" x 4"	1308TT	<b>E-5126-77</b>	E77	Premium	21K	E-5126
Eaton	15" x 4"	1308TT	<b>E-5126-88-BK</b>	E78	Supreme	23K	E-5126
Meritor "Q"	15" x 4"	1308TT	<b>E-5528-77-BK</b>	E77	Premium	21K	E-5528
Meritor "Q"	15" x 4"	1308TT	<b>E-5528-88-BK</b>	E88	H.D. Supreme	23K	E-5528
Meritor "Q Plus"	15" x 4"	4702	<b>E-9062-77</b>	E77	Premium	21K	E-9062
Meritor "Q Plus"	15" x 4"	4702	<b>E-9062-78</b>	E78	Supreme	23K	E-9062
Meritor "Q Plus"	15" x 4"	4702	<b>E-9062-88</b>	E88	H.D. Supreme	23K	E-9062
Meritor "Q" Mack	16 1/2" x 5"	4524B	<b>E-3823-77</b>	E77	Premium	21K	E-3823
Meritor "Q" Mack	16 1/2" x 5"	4524B	<b>E-3823-88</b>	E88	H.D. Supreme	23K	E-3823
Eaton "ES I"	16 1/2" x 7"	4709	<b>E-5480-77</b>	E77	Premium	21K	E-5480
Eaton "ES I"	16 1/2" x 7"	4709	<b>E-5480-78</b>	E78	Supreme	23K	E-5480
Eaton "ES I"	16 1/2" x 7"	4709	<b>E-5480-88</b>	E88	H.D. Supreme	23K	E-5480
Eaton "ES II"	16 1/2" x 7"	4709	<b>E-10272-77</b>	E77	Premium	21K	E-10272
Eaton "ES II"	16 1/2" x 7"	4709	<b>E-10272-78</b>	E78	Supreme	23K	E-10272
Eaton "ES II"	16 1/2" x 7"	4709	<b>E-10272-88</b>	E88	H.D. Supreme	23K	E-10272
Eaton Low Mount	16 1/2" x 7"	4311J	<b>E-1778-77-BK</b>	E77	Premium	21K	E-1778
Eaton Low Mount	16 1/2" x 7"	4311J	<b>E-1778-78-BK</b>	E78	Supreme	23K	E-1778
Eaton Low Mount	16 1/2" x 7"	4311J	<b>E-1778-88-BK</b>	E88	H.D. Supreme	23K	E-1778
Fruehauf XEM3	16 1/2" x 7"	4515E	<b>E-3920-55-BK</b>	E55	Standard	20K	E-3920
Fruehauf XEM3	16 1/2" x 7"	4515E	<b>E-3920-77-BK</b>	E77	Premium	21K	E-3920
Fruehauf XEM3	16 1/2" x 7"	4515E	<b>E-3920-78-BK</b>	E78	Supreme	23K	E-3920
Meritor "P"	16 1/2" x 7"	4515E	<b>E-2241-55-BK</b>	E55	Standard	20K	E-2241
Meritor "P"	16 1/2" x 7"	4515E	<b>E-2241-77-BK</b>	E77	Premium	21K	E-2241
Meritor "P"	16 1/2" x 7"	4515E	<b>E-2241-78-BK</b>	E78	Supreme	23K	E-2241
Meritor "P"	16 1/2" x 7"	4515E	<b>E-2241-88-BK</b>	E88	H.D. Supreme	23K	E-2241
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-2778-55-BK</b>	E55	Standard	20K	E-2778
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-2778-77-BK</b>	E77	Premium	21K	E-2778
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-2778-78-BK</b>	E78	Supreme	23K	E-2778
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-2778-88-BK</b>	E88	H.D. Supreme	23K	E-2778
Meritor "Q Plus"	16 1/2" x 7"	4707	<b>E-5503-77</b>	E77	Premium	21K	E-5503
Meritor "Q Plus"	16 1/2" x 7"	4707	<b>E-5503-78</b>	E78	Supreme	23K	E-5503
Meritor "Q Plus"	16 1/2" x 7"	4707	<b>E-5503-88</b>	E88	H.D. Supreme	23K	E-5503



# EUCLID NEW LINED BRAKE SHOES & SHOE BOX KITS

- Euclid Brand Quality Friction Mixes - Are Aftermarket Competitive
- Brake Shoes and Kits Are Available for All Popular Brake Applications
- New Steel Provides Longest Brake Shoe Life & Performance
- Euclid Brake Hardware Provides Aftermarket Solutions to Fleet Maintenance Needs With Features Like Knurled Rollers

BRAKE TYPE	BRAKE SIZE	FMSI	EUCLID PART NO.	FRICTION MIX	FRICTION TYPE	NEW LINED SHOES	HARDWARE KIT
<b>Euclid New Lined Shoe Box Kits</b>							
Each kit contains (2) new lined brake shoes + (1) hardware kit							
Eaton	15" x 4"	1308TT	<b>E-7900</b>	E88	H.D. Supreme	E-5126-77	E-5139
Meritor "Q"	15" x 4"	1308TT	<b>E-7909</b>	E88	H.D. Supreme	E-5528-88	E-7899
Meritor "Q Plus"	15" x 4"	4702	<b>E-11801</b>	E77	Premium	E-9062-77	E-9064
Meritor "Q Plus"	15" x 4"	4702	<b>E-11802</b>	E88	H.D. Supreme	E-9062-88	E-9064
Meritor "Q Plus"	15" x 4"	4702	<b>E-9777</b>	E78	Supreme	E-9062-78	E-9064
Eaton "ES I"	16 1/2" x 7"	4709	<b>E-11794</b>	E77	Premium	E-5480-77	E-5481A
Eaton "ES I"	16 1/2" x 7"	4709	<b>E-11795</b>	E88	H.D. Supreme	E-5480-88	E-5481A
Eaton "ES I"	16 1/2" x 7"	4709	<b>E-9773</b>	E78	Supreme	E-5480-78	E-5481A
Eaton "ES II"	16 1/2" x 7"	4709	<b>E-11796</b>	E77	Premium	E-10272-77	E-10244
Eaton "ES II"	16 1/2" x 7"	4709	<b>E-11797</b>	E78	Supreme	E-10272-78	E-10244
Eaton "ES II"	16 1/2" x 7"	4709	<b>E-11798</b>	E88	H.D. Supreme	E-10272-88	E-10244
Eaton Low Mount	16 1/2" x 7"	4311J	<b>E-7161</b>	E78	Supreme	E-1778-78	E-1887ASHD
Eaton Low Mount	16 1/2" x 7"	4311J	<b>E-7901</b>	E77	Premium	E-1778-77	E-1887ASHD
Eaton Low Mount	16 1/2" x 7"	4311J	<b>E-7902</b>	E88	H.D. Supreme	E-1778-88	E-1887ASHD
Fruehauf "XEM3"	16 1/2" x 7"	4515E	<b>E-11803</b>	E55	Standard	E-3920-55	E-3710S
Fruehauf "XEM3"	16 1/2" x 7"	4515E	<b>E-7166</b>	E78	Supreme	E-3920-78	E-3710S
Fruehauf "XEM3"	16 1/2" x 7"	4515E	<b>E-7903</b>	E77	Premium	E-3920-77	E-3710S
Fruehauf "XEM3" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7167</b>	E78	Supreme	E-3920-78	E-3710SHD
Fruehauf "XEM3" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7904</b>	E77	Premium	E-3920-77	E-3710SHD
Fruehauf "XEM3" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7905</b>	E88	H.D. Supreme	E-3920-88	E-3710SHD
Meritor "P"	16 1/2" x 7"	4515E	<b>E-11804</b>	E55	Standard	E-2241-55	E-1816S
Meritor "P"	16 1/2" x 7"	4515E	<b>E-7164</b>	E78	Supreme	E-2241-78	E-1816S
Meritor "P"	16 1/2" x 7"	4515E	<b>E-7915</b>	E77	Premium	E-2241-77	E-1816S
Meritor "P" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7165</b>	E78	Supreme	E-2241-78	E-1816SHD
Meritor "P" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7916</b>	E77	Premium	E-2241-77	E-1816SHD
Meritor "P" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7917</b>	E88	H.D. Supreme	E-2241-88	E-1816SHD
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-11805</b>	E55	Standard	E-2778-55	E-2769S
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-7162</b>	E78	Supreme	E-2778-78	E-2769S
Meritor "Q"	16 1/2" x 7"	4515E	<b>E-7912</b>	E77	Premium	E-2778-77	E-2769S
Meritor "Q" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7163</b>	E78	Supreme	E-2778-78	E-2769SHD
Meritor "Q" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7913</b>	E77	Premium	E-2778-77	E-2769SHD
Meritor "Q" w/HD Spring	16 1/2" x 7"	4515E	<b>E-7914</b>	E88	H.D. Supreme	E-2778-88	E-2769SHD
Meritor "Q" w/kit minus bushings	16 1/2" x 7"	4515E	<b>E-11806</b>	E55	Standard	E-2778-55	E-6999S
Meritor "Q" w/kit minus bushings	16 1/2" x 7"	4515E	<b>E-11807</b>	E78	Supreme	E-2778-78	E-6999S
Meritor "Q" w/kit minus bushings	16 1/2" x 7"	4515E	<b>E-7911</b>	E77	Premium	E-2778-77	E-6999S
Meritor "Q Plus"	16 1/2" x 7"	4707	<b>E-11799</b>	E77	Premium	E-5503-77	E-2769SHD
Meritor "Q Plus"	16 1/2" x 7"	4707	<b>E-11800</b>	E88	H.D. Supreme	E-5503-88	E-2769SHD
Meritor "Q Plus"	16 1/2" x 7"	4707	<b>E-9776</b>	E78	Supreme	E-5503-78	E-2769SHD



## LINED BRAKE SHOES & SHOE BOX KITS

- Euclid Brand Quality Friction Mixes - Are Aftermarket Competitive
- Highest Quality Remanufactured Brake Shoes - from ArvinMeritor-owned Remanufacturing Plant
- Brake Shoes and Kits Are Available for All Popular Brake Applications
- “Smart Part” Shoe Box Kit Numbering System Provides Instant Identification
- Euclid Brake Hardware Provides Aftermarket Solutions to Fleet Maintenance Needs With Features Like Knurled Rollers

BRAKE TYPE	BRAKE SIZE	FMSI	EUCLID RENEW PART NO.	FRICITION MIX	FRICITION TYPE	GAWR RATING	CORE PART NO.
<b>RENEW REMANUFACTURED BRAKE SHOES</b>							
Eaton	15 x 4	1308TT	<b>E-X5126-78</b>	E78	Supreme	23K	C1308E
Eaton	15 x 4	1308TT	<b>E-X5126-88</b>	E88	H.D. Supreme	23K	C1308E
Eaton "ES"	15 x 4	1443TT	<b>E-X9027-78</b>	E78	Supreme	23K	C1443
Eaton "ES"	15 x 4	1443TT	<b>E-X9027-88</b>	E88	H.D. Supreme	23K	C1443
Meritor "Q"	15 x 4	1308TT	<b>E-X5528-78</b>	E78	Supreme	23K	C1308
Meritor "Q"	15 x 4	1308TT	<b>E-X5528-88</b>	E88	H.D. Supreme	23K	C1308
Meritor "Q Plus"	15 x 4	4702	<b>E-X9062-77</b>	E77	Premium	21K	C4702QP
Meritor "Q Plus"	15 x 4	4702	<b>E-X9062-78</b>	E78	Supreme	23K	C4702QP
Meritor "Q Plus"	15 x 4	4702	<b>E-X9062-88</b>	E88	H.D. Supreme	23K	C4702QP
Eaton 4311J	16 1/2" x 7	4311J	<b>E-X1778-77</b>	E77	Premium	21K	C4311
Eaton 4311J	16 1/2" x 7	4311J	<b>E-X1778-78</b>	E88	H.D. Supreme	23K	C4311
Eaton 4311J	16 1/2" x 7	4311J	<b>E-X1778-88</b>	E78	Supreme	23K	C4311
Eaton "ES I"	16 1/2" x 7	4709	<b>E-X5480-77</b>	E77	Premium	21K	C4709
Eaton "ES I"	16 1/2" x 7	4709	<b>E-X5480-78</b>	E78	Supreme	23K	C4709
Eaton "ES I"	16 1/2" x 7	4709	<b>E-X5480-88</b>	E88	H.D. Supreme	23K	C4709
Eaton "ES II"	16 1/2" x 7	4709	<b>E-X10272-77</b>	E77	Premium	21K	C4709G2
Eaton "ES II"	16 1/2" x 7	4709	<b>E-X10272-78</b>	E78	Supreme	23K	C4709G2
Eaton "ES II"	16 1/2" x 7	4709	<b>E-X10272-88</b>	E88	H.D. Supreme	23K	C4709G2
Fruehauf "XEM3"	16 1/2" x 7	4515E	<b>E-X3920-55</b>	E55	Standard	20K	C4515XEM
Fruehauf "XEM3"	16 1/2" x 7	4515E	<b>E-X3920-77</b>	E77	Premium	21K	C4515XEM
Fruehauf "XEM3"	16 1/2" x 7	4515E	<b>E-X3920-78</b>	E78	Supreme	23K	C4515XEM
Fruehauf "XEM3"	16 1/2" x 7	4515E	<b>E-X3920-88</b>	E88	H.D. Supreme	23K	C4515XEM
Meritor "P"	16 1/2" x 7	4515E	<b>E-X2241-55</b>	E55	Standard	20K	C4515P
Meritor "P"	16 1/2" x 7	4515E	<b>E-X2241-77</b>	E77	Premium	21K	C4515P
Meritor "P"	16 1/2" x 7	4515E	<b>E-X2241-78</b>	E78	Supreme	23K	C4515P
Meritor "P"	16 1/2" x 7	4515E	<b>E-X2241-88</b>	E88	H.D. Supreme	23K	C4515P
Meritor "Q"	16 1/2" x 7	4515E	<b>E-X2778-55</b>	E55	Standard	20K	C4515Q
Meritor "Q"	16 1/2" x 7	4515E	<b>E-X2778-77</b>	E77	Premium	21K	C4515Q
Meritor "Q"	16 1/2" x 7	4515E	<b>E-X2778-78</b>	E78	Supreme	23K	C4515Q
Meritor "Q"	16 1/2" x 7	4515E	<b>E-X2778-88</b>	E88	H.D. Supreme	23K	C4515Q
Meritor "Q Plus"	16 1/2" x 7	4707	<b>E-X5503-77</b>	E77	Premium	21K	C4707QP
Meritor "Q Plus"	16 1/2" x 7	4707	<b>E-X5503-78</b>	E78	Supreme	23K	C4707QP
Meritor "Q Plus"	16 1/2" x 7	4707	<b>E-X5503-88</b>	E88	H.D. Supreme	23K	C4707QP



## BRAKE SHOE BOX KITS

- Euclid Brand Quality Friction Mixes - Are Aftermarket Competitive
- Highest Quality Remanufactured Brake Shoes - from ArvinMeritor-owned Remanufacturing Plant
- Brake Shoes and Kits Are Available for All Popular Brake Applications
- “Smart Part” Shoe Box Kit Numbering System Provides Instant Identification
- Euclid Brake Hardware Provides Aftermarket Solutions to Fleet Maintenance Needs With Features Like Knurled Rollers

BRAKE TYPE	BRAKE SIZE	FMSI	EUCLID PART NO.	FRICTION MIX	FRICTION TYPE	RENEW SHOE NO.V	HARDWARE KIT
<b>RENEW REMANUFACTURED LINED SHOE BOX KITS</b>							
Each kit contains (2) new lined brake shoes + (1) hardware kit							
Meritor "Q Plus"	15 x 4	4702	E-XK774702QP	E77	Premium	E-X9062-77	E-9064
Meritor "Q Plus"	15 x 4	4702	E-XK784702QP	E78	Supreme	E-X9062-78	E-9064
Meritor "Q Plus"	15 x 4	4702	E-XK884702QP	E88	H.D. Supreme	E-X9062-88	E-9064
Meritor "Q Plus"	16 1/2" x 7	4707	E-XK774707QP	E77	Premium	E-X5503-77	E-2769SHD
Meritor "Q Plus"	16 1/2" x 7	4707	E-XK784707QP	E78	Supreme	E-X5503-78	E-2769SHD
Meritor "Q Plus"	16 1/2" x 7	4707	E-XK884707QP	E88	H.D. Supreme	E-X5503-88	E-2769SHD
Eaton "ES I"	16 1/2" x 7	4709	E-XK774709E1	E77	Premium	E-X5480-77	E-5481A
Eaton "ES II"	16 1/2" x 7	4709	E-XK774709E2	E77	Premium	E-X10272-77	E-10244
Eaton "ES I"	16 1/2" x 7	4709	E-XK784709E1	E78	Supreme	E-X5480-78	E-5481A
Eaton "ES II"	16 1/2" x 7	4709	E-XK784709E2	E78	Supreme	E-X10272-78	E-10244
Eaton "ES I"	16 1/2" x 7	4709	E-XK884709E1	E88	H.D. Supreme	E-X5480-88	E-5481A
Eaton "ES II"	16 1/2" x 7	4709	E-XK884709E2	E88	H.D. Supreme	E-X10272-88	E-10244
Eaton	15 x 4	1308TT	E-XK781308E	E78	Supreme	E-X5126-78	E-5139
Meritor "Q"	15 x 4	1308TT	E-XK781308Q	E78	Supreme	E-X5528-78	E-7899
Eaton	15 x 4	1308TT	E-XK881308E	E88	H.D. Supreme	E-X5126-88	E-5139
Meritor "Q"	15 x 4	1308TT	E-XK881308Q	E88	H.D. Supreme	E-X5528-88	E-7899
Eaton "ES"	15 x 4	1443TT	E-XK781443E	E78	Supreme	E-X9027-78	E-5139
Eaton "ES"	15 x 4	1443TT	E-XK881443E	E88	H.D. Supreme	E-X9027-88	E-5139
Eaton 4311J	16 1/2" x 7	4311J	E-XK774311E	E77	Premium	E-X1778-77	E-1887ASHD
Eaton 4311J	16 1/2" x 7	4311J	E-XK784311E	E78	Supreme	E-X1778-78	E-1887ASHD
Eaton 4311J	16 1/2" x 7	4311J	E-XK884311E	E88	H.D. Supreme	E-X1778-88	E-1887ASHD
Fruehauf "XEM3"	16 1/2" x 7	4515E	E-XK554515F3	E55	Standard	E-X3920-55	E-3710S
Meritor "P"	16 1/2" x 7	4515E	E-XK554515P	E55	Standard	E-X2241-55	E-1816S
Meritor "Q"	16 1/2" x 7	4515E	E-XK554515Q	E55	Standard	E-X2778-55	E-2769S
Fruehauf "XEM3"	16 1/2" x 7	4515E	E-XK774515F3	E77	Premium	E-X3920-77	E-3710S
Meritor "P"	16 1/2" x 7	4515E	E-XK774515P	E77	Premium	E-X2241-77	E-1816S
Meritor "Q"	16 1/2" x 7	4515E	E-XK774515Q	E77	Premium	E-X2778-77	E-2769S
Fruehauf ""XEM3""	16 1/2" x 7	4515E	E-XK784515F3	E78	Supreme	E-X3920-78	E-3710S
Meritor "P"	16 1/2" x 7	4515E	E-XK784515P	E78	Supreme	E-X2241-78	E-1816S
Meritor "Q"	16 1/2" x 7	4515E	E-XK784515Q	E78	Supreme	E-X2778-78	E-2769S
Fruehauf ""XEM3""	16 1/2" x 7	4515E	E-XK884515F3	E88	H.D. Supreme	E-X3920-88	E-3710S
Meritor "P"	16 1/2" x 7	4515E	E-XK884515P	E88	H.D. Supreme	E-X2241-88	E-1816S
Meritor "Q"	16 1/2" x 7	4515E	E-XK884515Q	E88	H.D. Supreme	E-X2778-88	E-2769S

# NUMERICAL INDEX OF EUCLID PART NUMBERS

EUCLID NO.	PAGE	EUCLID NO.	PAGE	EUCLID NO.	PAGE	EUCLID NO.	PAGE
E-10244	9, 11	E-1887ASHD	9, 11	E-3823-88	8	E-7162	9
E-10272	8	E-2241	8	E-3920	8	E-7163	9
E-10272-77	8, 9	E-2241-55	9	E-3920-55	9	E-7164	9
E-10272-78	8, 9	E-2241-55-BK	8	E-3920-55-BK	8	E-7165	9
E-10272-88	8, 9	E-2241-77	9	E-3920-77	9	E-7166	9
E-11794	9	E-2241-77-BK	8	E-3920-77-BK	8	E-7167	9
E-11795	9	E-2241-78	9	E-3920-78	9	E-7899	9, 11
E-11796	9	E-2241-78-BK	8	E-3920-78-BK	8	E-7900	9
E-11797	9	E-2241-88	9	E-3920-88	9	E-7901	9
E-11798	9	E-2241-88-BK	8	E-5126	8	E-7902	9
E-11799	9	E-2769S	9, 11	E-5126-77	8, 9	E-7903	9
E-11800	9	E-2769SHD	9, 11	E-5126-88-BK	8	E-7904	9
E-11801	9	E-2778	8	E-5139	9, 11	E-7905	9
E-11802	9	E-2778-55	9	E-5480	8	E-7909	9
E-11803	9	E-2778-55-BK	8	E-5480-77	8, 9	E-7911	9
E-11804	9	E-2778-77	9	E-5480-78	8, 9	E-7912	9
E-11805	9	E-2778-77-BK	8	E-5480-88	8, 9	E-7913	9
E-11806	9	E-2778-78	9	E-5481A	9, 11	E-7914	9
E-11807	9	E-2778-78-BK	8	E-5503	8	E-7915	9
E-1778	8	E-2778-88	9	E-5503-77	8, 9	E-7916	9
E-1778-77	9	E-2778-88-BK	8	E-5503-78	8, 9	E-7917	9
E-1778-77-BK	8	E-3491	8	E-5503-88	8, 9	E-9062	8
E-1778-78	9	E-3491-77	8	E-5528	8	E-9062-77	8, 9
E-1778-78-BK	8	E-3491-88	8	E-5528-77-BK	8	E-9062-78	8, 9
E-1778-88	9	E-3710S	9, 11	E-5528-88	9	E-9062-88	8, 9
E-1778-88-BK	8	E-3710SHD	9	E-5528-88-BK	8	E-9064	9, 11
E-1816S	9, 11	E-3823	8	E-6999S	9	E-9773	9
E-1816SHD	9	E-3823-77	8	E-7161	9	E-9776	9

# NUMERICAL INDEX OF EUCLID PART NUMBERS

EUCLID NO.	PAGE	EUCLID NO.	PAGE	EUCLID NO.	PAGE	EUCLID NO.	PAGE
E-9777	9	E-X5528-88	10, 11	E-XK881308E	11		
E-X10272-77	10, 11	E-X9027-78	10, 11	E-XK881308Q	11		
E-X10272-78	10, 11	E-X9027-88	10, 11	E-XK881443E	11		
E-X10272-88	10, 11	E-X9062-77	10, 11	E-XK884311E	11		
E-X1778-77	10, 11	E-X9062-78	10, 11	E-XK884515F3	11		
E-X1778-78	10, 11	E-X9062-88	10, 11	E-XK884515P	11		
E-X1778-88	10, 11	E-XK554515F3	11	E-XK884515Q	11		
E-X2241-55	10, 11	E-XK554515P	11	E-XK884702QP	11		
E-X2241-77	10, 11	E-XK554515Q	11	E-XK884707QP	11		
E-X2241-78	10, 11	E-XK774311E	11	E-XK884709E1	11		
E-X2241-88	10, 11	E-XK774515F3	11	E-XK884709E2	11		
E-X2778-55	10, 11	E-XK774515P	11				
E-X2778-77	10, 11	E-XK774515Q	11				
E-X2778-78	10, 11	E-XK774702QP	11				
E-X2778-88	10, 11	E-XK774707QP	11				
E-X3920-55	10, 11	E-XK774709E1	11				
E-X3920-77	10, 11	E-XK774709E2	11				
E-X3920-78	10, 11	E-XK781308E	11				
E-X3920-88	10, 11	E-XK781308Q	11				
E-X5126-78	10, 11	E-XK781443E	11				
E-X5126-88	10, 11	E-XK784311E	11				
E-X5480-77	10, 11	E-XK784515F3	11				
E-X5480-78	10, 11	E-XK784515P	11				
E-X5480-88	10, 11	E-XK784515Q	11				
E-X5503-77	10, 11	E-XK784702QP	11				
E-X5503-78	10, 11	E-XK784707QP	11				
E-X5503-88	10, 11	E-XK784709E1	11				
E-X5528-78	10, 11	E-XK784709E2	11				

# NOTES

# NOTES

## EUCLID INDUSTRIES, LLC

Building the most trusted name in truck parts all started with one man's uncompromising ideals.

In 1939, Zygmunt Zukowski founded Euclid Industries with a keen attention to every engineering detail.

Over the years, the building of trust continued with a relentless drive for perfection at every stage. In catalogs. In filling customer orders. In expert service, support and caring for the customer.

Earning trust every day means more quality control, inspections and more sensitivity to the needs of customers.

That's why Euclid has grown to become the premier truck aftermarket distributor in the United States and Canada.

In January of 1999 we officially became a part of Meritor Automotive and then later ArvinMeritor. But through all the changes our principles have remained the same.

Today, Euclid Industries, LLC provides the world with precision-engineered light-, medium- and heavy-duty truck, trailer, and bus replacement parts that meet and often exceed OEM quality specification standards.

So when warehouse distributors and fleet owners see the familiar yellow box from Euclid Industries, LLC they know they're getting far more than ordinary replacement parts.

They're getting the best replacement parts made today from a company they can trust. A company that's constantly improving with technology to do a job the only way it knows how.

*The Right Way.*



It's a philosophy that will continue to guide us for the years ahead.

Worldwide we're committed more than ever to maintaining a tight control over quality in engineering, sales, personalized service, customer support and product training. We will continue to make improvements and add advanced systems.

We're doing everything possible to provide our customers with the best truck parts, when and where they're needed.

*Building Trust  
Never Stops.*



an **ArvinMeritor**™ brand

### Euclid Industries, LLC

6660 Beta Drive  
Cleveland, Ohio 44143-2321  
1-866-2Euclid • Fax: 1-800-776-4307

### Euclid Industries Canada, Ltd.

731 Gana Court  
Mississauga, ON L5S1P2  
1-800-387-3889 • Fax: 1-866-867-7838  
www.arvinmeritor.com



Foundation-Air Brakes • Hydraulic Brakes • Air Systems, Solenoids, Actuators & Water Pumps • Wheel Attachments, Hub & Spline Drums, Suspension, Control Shock Absorbers & Air Springs • Driveshafts • Axle Assemblies • Front End Parts • Air Conditioning & Heating