

## Multi-Compartment Surface Metal Raceway

AnySize Raceway allows you to precisely size surface raceway to meet specific wiring capacity needs. Simply choose the material and finish you want, then specify the width and depth you need.

AnySize Raceway is an ideal solution for applications that require a specific raceway size, with a variety of compartment sizes and finishes for use in commercial office applications, educational facilities, and any other situation where a surface mounted raceway is the preferred method of providing electrical and data communication service.



AnySize Raceway installed in a restored art gallery.

### FEATURES & BENEFITS

- **Choice of material.** AnySize Raceway can be manufactured from painted steel, stainless steel, anodized aluminum, or painted aluminum.
- **Multi-compartment metal raceway.** Available with one to four compartments; dividers placed according to requirements. For applications where multiple services are being utilized.
- **Dual cover option.** Available with two separate covers on a common base. Allows access to communications cables without the need for disabling power.
- **Wide range of sizes.** Sizes ranging from 2 1/2" to 10" [64mm to 254mm] wide and 1" to 5" [25mm to 127mm] deep.
- **Powder-coat finish.** Select from a broad range of colors. Powder-coat provides a durable scratch resistant finish.
- **Large capacity compartments.** Ideal for overhead, open space and raised floor applications as a header or feeder.
- **Raised device plates.** Maintain cable fill and recommended bend radius at activations.
- **FiberReady™ 2" [51mm] fiber optic/cat 5 radius fittings.** All fittings are available with 2" [51mm] radiused corners to maintain recommended minimum bend radius to provide cable protection in both lay-in and pull-through cable installations. Fill capacity is maintained throughout the system by using FiberReady fittings.
- **Datacom connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use.
- **Optional extra security.** Tamper resistant system for applications where preventing access is critical.
- **Narrow raceway can be activated.** Special fittings allow devices to be installed offset from the raceway.
- **Improved aesthetics.** Device plates are designed to overlap adjacent covers.



AnySize Raceway comes in a wide variety of finishes, each ideal for different environments, such as this stainless steel system in a lab.



Ideal for high density applications, the tamper-resistant covers make AnySize Raceway a perfect solution for schools.

## AnySize Raceway Base & Cover Ordering Information

### Base and Cover:

Where special lengths are required, provide a detailed bill of material, indicating the various quantities, lengths and type of covers. Raceway must have a width greater than its depth.

### AnySize Base

<b>N</b>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
<b>Material</b>	<b>Width</b>	<b>Depth</b>	<b># of Compartments</b> <b>MAX 4</b>	<b># of Covers</b>	<b>Color Code</b>	
1 Painted Steel	2 1/2" [64mm] = 212	1" [25mm] = 100			BK	Gloss Black
2 Unpainted	2 5/8" [67mm] = 258	1 1/8" [29mm] = 118			WH	White
Satin Coat	2 3/4" [70mm] = 234	1 1/4" [32mm] = 114			GY	Gray
3 Unpainted	2 7/8" [73mm] = 278	1 3/8" [35mm] = 138			IV	Ivory
Galv (G90)	3" [76mm] = 300	1 1/2" [38mm] = 112			WI	Weathered Iron
4 Stainless Steel	•	•			WB	Weathered Bronze
5 Anodized Alum	•	•			CC	Custom Color
6 Painted Alum	•	•			(Provide paint chip or number)	
	10" [254mm] = 999	5" [127mm] = 500				

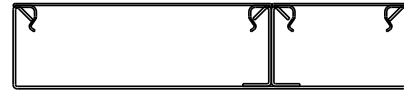
#### EXAMPLE 1: N1 834 212 3 2 WI

This is a 8 3/4" [222mm] wide by 2 1/2" [64mm] deep raceway, with three compartments and two covers, painted "Weathered Iron."



#### EXAMPLE 2: N1 612 300 2 2 IV

This is a 6 1/2" [165mm] wide by 3" [76mm] deep raceway, with two compartments and two covers, painted ivory.



**Cover:** NE1C = Standard Cover

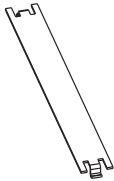
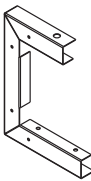
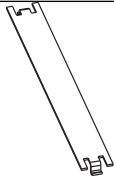
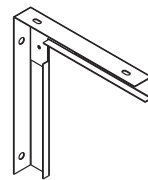
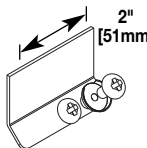
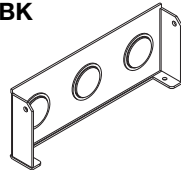
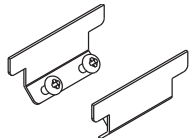
NE1CW = Cover for use when wire clips are used. Wire clips are spaced 30" [762mm] on center only.

NE1CT\* = Tamper resistant cover

NE1CTW\* = Tamper resistant cover for use when wire clips are used. Wire clips are spaced 30" [762mm] on center only.

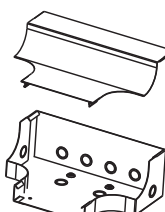
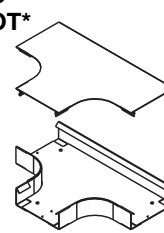
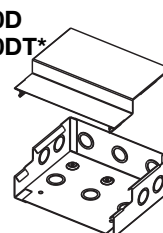
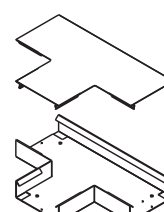
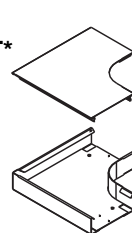
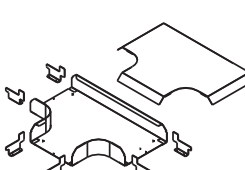

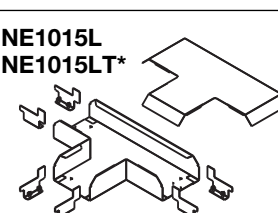
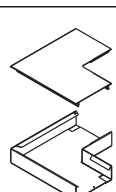
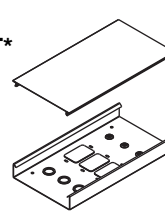
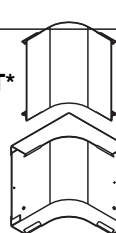
\*Supplied with one tamper resistant bracket.

## AnySize Raceway Fittings Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
NE1000TB	 <b>Tamper Resistant Retaining Bracket</b> – For retaining cover in tamper resistant systems. Order additional brackets if field cutting cover for enhanced tamper resistant system.	NE1008A	 <b>C-Hanger</b> – For supporting raceway from structural ceiling. Designed for use with 3/8" [9.5mm] threaded rod. Hangers should be installed no more than 5' [1.5m] apart along raceway run.
NE1000WC	 <b>Wire Clip</b> – For holding conductors in place.	NE1008AW	 <b>Wall Bracket Hanger</b> – For supporting raceway from structural wall. Use hardware capable of supporting loaded raceway. Hangers should be installed no more than 5' [1.5m] apart along raceway run.
NE1000GC	 <b>Ground Clamp</b> – For connection of equipment grounding conductor to provide additional ground to raceway.	NE1010B NE1010BK	 <b>Blank End Fitting</b> – For closing open end of AnySize Base. NE1010BK has knockouts available for connection to adjacent wiring systems. Size and quantity of knockouts to be specified by end user.
NE1001	 <b>Coupling</b> – For joining lengths of AnySize Raceway. (Unpainted Galvanized Steel)		

**NOTE:** All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers are omitted from above drawings for clarity.

## AnySize Raceway Fittings Ordering Information (continued)

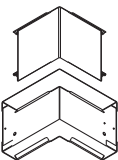


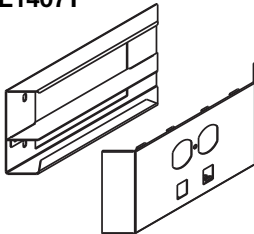
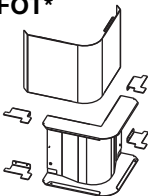
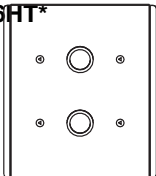
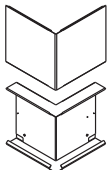
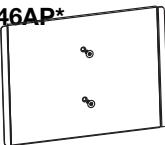
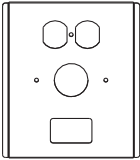
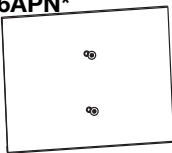
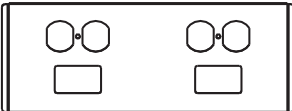
Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
NE1010DFO NE1010DFOT*	<b>FiberReady 2" [51mm] Radius Large Capacity Entrance End Fitting</b> – Has concentric conduit trade size KOs on sides, end, and bottom for feeding raceway. Useful where large conduits feed the raceway. Size of knockouts to be specified by end user.   <b>NOTE: If using in tamper-resistant system, this item has tamper-resistant screws in cover.</b>	NE1015FO NE1015FOT*	<b>FiberReady 2" [51mm] Radius Full Capacity Tee Fitting</b> – Provides a 2" [51mm] cable bend radius for new lay-in or pull-through installations. Dual cover version not available. Single cover can be used in all applications. Capacity is reduced in multi-compartment applications.  
NE1010D NE1010DT*	<b>Entrance End Fitting</b> – Has concentric conduit trade size KOs on sides, ends, and bottom for feeding raceway. Size of knockouts to be specified by end user.   <b>NOTE: If using in tamper-resistant system, this item has tamper-resistant screws in cover.</b>	NE1015 NE1015T*	<b>Tee</b> – For branches at right angles. Dual cover version not available. Single cover can be used in all applications. Capacity is reduced in multi-compartment applications.  
NE1011FO NE1011FOT*	<b>FiberReady 2" [51mm] Radius Full Capacity Flat Elbow</b> – Used in divided and undivided applications to provide a 2" [51mm] cable bend radius for new lay-in or pull-through installations.  	NE1015LFO NE1015LFOT*	<b>FiberReady 2" [51mm] Radius Large Capacity Tee Fitting</b> – Provides a 2" [51mm] cable bend radius for new lay-in or pull-through installations. Deeper fitting provides 50% more fill than the standard tee fitting. Useful for multi-compartment installations. Supplied with special couplings. Dual cover version not available. Single cover can be used in all applications.   <b>NOTE: If using in tamper-resistant system, this item has tamper-resistant screws in cover.</b>
NE1011RFO NE1011RFOT*	<b>FiberReady 2" [51mm] Radius Full Capacity Flat Elbow</b> – Same as NE1011FO except outside corner is curved to a 2" [51mm] radius.  	NE1015L NE1015LT*	<b>Tee</b> – For branches at right angles. Deeper fitting provides 50% more fill than the standard tee fitting. Useful for multi-compartment installations. Supplied with special couplings. Dual cover version not available. Single cover can be used in all applications.   <b>NOTE: If using in tamper-resistant system, this item has tamper-resistant screws in cover.</b>
NE1011 NE1011T*	<b>Flat Elbow</b> – For right angle turns on the same surface.  		
NE1014 NE1014T*	<b>Wall Box Connector</b> – Base is provided with ground terminal for 10-32 screw and user specified conduit knockouts and/or wall box rectangular knockouts 2 9/16" x 1 11/16" [65mm x 43mm].  	NE1017FO NE1017FOT*	<b>FiberReady 2" [51mm] Radius Full Capacity Internal Elbow</b> – Provides a 2" [51mm] cable bend radius for new lay-in or pull-through installations.  

**NOTE: All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers omitted from above drawings for clarity.**

**"T" at the end of a part number indicates it is for use in a tamper resistant system.**

**\* Supplied with necessary tamper resistant bracket(s).**

## AnySize Raceway Fittings Ordering Information (continued)

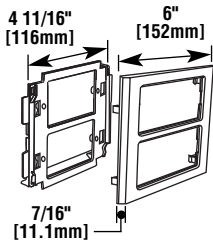
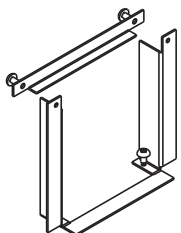
Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
NE1017 NE1017T*	 <b>Internal Elbow</b> – For 90° internal corners.	NE1047 NE1047WC NE1047T* NE1047WCT*	<b>Device Cover</b> – Variable length from 6" to 60" [152mm to 1.5m] long. Specify cutout type and location. Eliminates frequent seams when devices are located close together along the raceway. Supplied with appropriate brackets. 
NE1017P NE1017PT*	 <b>Internal Elbow (compact size)</b> – For 90° internal corners. Useful when going around columns.	NE1407 NE1407T*	<b>Deep Device Plate</b> – Used to minimize or eliminate fill reduction at activations. Mounts on top of raceway and helps maintain recommended bend radius at activation. Specify depth required between 3/4" [19.2mm] and 3" [76mm]. Supplied with appropriate brackets. 
NE1018FO NE1018FOT*	 <b>FiberReady 2" [51mm] Radius Full Capacity External Elbow</b> – A full capacity 90° external elbow to provide a 2" [51mm] cable bend radius for new lay-in or pull-through installations. Supplied with special couplings. <p><b>NOTE:</b> If using in tamper-resistant system, this item has tamper-resistant screws in cover.</p>	NE1046H NE1046HT*	<b>Tap-Off Fitting</b> – Provided with knockouts. Trade size to be specified. Supplied with appropriate brackets.  <p><b>NOTE:</b> If using in tamper-resistant system, this item has tamper-resistant screws in cover.)</p>
NE1018 NE1018T*	 <b>External Elbow</b> – For 90° external corners.	NE1046AP*	<b>Tamper Resistant Access Plate</b> – Required on an entrance point for cover removal on tamper resistant systems. One plate is required on every run between opposing walls. Provides 1/4" [6.4mm] overlap flange for improved aesthetics at cover edge. Supplied with appropriate brackets. 
NE1046 NE1046T*	 <b>6" [152mm] Device Plate</b> – Provides 1/4" [6.4mm] overlap flange for improved aesthetics at cover edge. Supplied with appropriate brackets. <p><b>NOTE:</b> Three (3) compartment plate shown.</p>	NE1046APN*	<b>Tamper Resistant Access Plate</b> – Required on an entrance point for cover removal on tamper resistant systems. One plate is required on every run between opposing walls. NE1046APN does not have a flange to overlap adjacent covers. Use for access at end of run. 
NE1046-2 NE1046-2T*	 <b>12" [305mm] Device Plate</b> – Allows high density activations. Provides 1/4" [6.4mm] overlap flange for improved aesthetics at cover edge. Supplied with appropriate brackets. <p><b>NOTE:</b> Two (2) compartment plate shown.</p>		

**NOTE:** All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers are omitted from above drawings for clarity.

"T" at end of part number indicates for use in tamper resistant system.

\* Supplied with necessary tamper resistant bracket(s).

## AnySize Raceway Fittings Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>V4050**</b> <b>G4050**</b> 	<b>Device Mounting Bracket</b> – High impact plastic mounting bracket and trim plate which overlap raceway cover providing a seamless transition. For use with: 5507 Series Faceplates, Ortronics® TracJack & Series II Modules, Pass & Seymour® Activate Series Inserts and Wiremold Open System Communication Modules.	<b>NE1086A</b> 	<b>Panel Connector</b> – To connect AnySize with surface type panel boxes. Accommodates maximum wire capacity of AnySize System used. Separate C-shaped flange fits around raceway, covering any irregularities made when cutting into box.

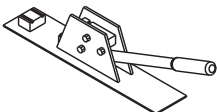
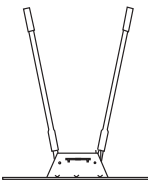
**NOTE:** Only suitable for use with 4 3/4" [121mm] wide raceway.

**NOTE:** All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers are omitted from above drawings for clarity.

"T" at end of part number indicates for use in tamper resistant system.

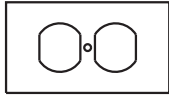
\* Supplied with necessary tamper resistant bracket(s).

## AnySize Raceway Tools

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>NE610</b> 	<b>Tamper Resistant Notch Tool</b> – Required to create tamper resistant notches in raceway covers that are field cut during installation.	<b>NE610C</b> 	<b>Cover Cutter</b> – Portable Cutter for AnySize Raceway Covers for clean and easy square cuts every time.

## AnySize Raceway Standard Cutouts

The following represent various cutouts available for AnySize Raceway. The corresponding letter designations used to create the device plate part number are also shown.



Standard Duplex  
(D)



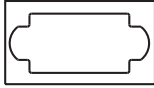
Decorator Duplex  
(R)



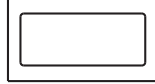
1.4" [35.56mm] Dia.  
Single  
(A)



1.6" [40.64mm] Dia.  
Single  
(J)



4007C-1R Cutout \*  
(CIR)



4007C-1 Cutout \*  
(C1)



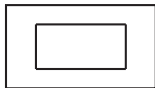
2 RJ11/45  
(RJ)



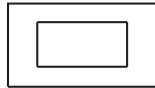
Accommodates: Wiremold  
Open System communications,  
Ortronics TracJack & Series II  
(LV2)



Accommodates Wiremold  
Open System communications,  
Ortronics TracJack & Series II  
(LV6)



Accommodates Wiremold  
Open System communications  
(MFB)



Amp Flex/single ACO  
(F)



1/2" - 3/4"  
[12.7mm - 19.1mm]  
KO & Grommet  
(K)

\*These openings also require the use of commercially available faceplates.

## Device Plate Design and Part Numbers

1

2

3

4

**To specify type of device plate and cutout locations:**

- 1) Indicate the catalog number from page 4 to specify device plate type.
- 2) Add the suffix(es) (in parentheses above) that corresponds to the cutout type required, beginning from the top compartment. For 12" [305mm] device plates, indicate if the second column of cutouts is the same as the first. If it is not, please send sketch. For NE1047 Covers sketch to indicate quantity and spacing of devices. For other special cutouts, contact factory.

**Sample Part Number:**

**Prefix**

1

2

3

4

**2nd col.**  
(yes/no or N/A)

NE1046

D

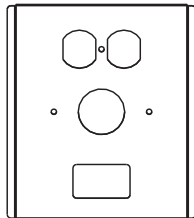
J

LV2

N/A

**Sample Plate: NE1046DJLV2**



## AnySize Raceway Wire Fill Capacity Charts

### AnySize Raceway Wire Fill Capacities for Power & Communications

CABLE/WIRE TYPE	CATEGORY/WIRE SIZE	O.D.		20% FILL (per sq. in.)	40% FILL (per sq. in.)
		Inches	[mm]		
POWER WIRING (THHN/THWN)	6 AWG	0.257	[6.5]	—	7.71
	8 AWG	0.218	[5.5]	—	10.72
	10 AWG	0.153	[3.9]	—	21.76
	12 AWG	0.122	[3.1]	—	34.22
	14 AWG	0.105	[2.7]	—	46.19
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat. 5 UTP	0.220	[5.6]	5.26	10.52
	4-pair, 24 AWG Cat. 3 UTP	0.190	[4.8]	7.05	14.11
TELEPHONE	2-pair, 24 AWG	0.140	[3.5]	12.99	25.98
	3-pair, 24 AWG	0.150	[3.8]	11.32	22.64
	4-pair, 24 AWG	0.190	[4.8]	7.05	14.1
	25-pair, 24 AWG	0.410	[10.3]	1.51	3.03
COAXIAL CABLES	RG58/U	0.195	[4.7]	6.70	13.39
	RG59/U	0.242	[6.1]	4.35	8.70
	RG62/U	0.242	[6.1]	4.35	8.70
	RG6/U	0.270	[6.8]	3.49	6.99
TWINAXIAL	100 Ohm	0.330	[8.4]	2.34	4.68
SHIELDED TWISTED PAIR	TYPE 1	0.390	[9.6]	1.67	3.35
	TYPE 2	0.465	[11.8]	1.18	2.36
	TYPE 3	0.275	[6.9]	4.24	8.48
FIBER OPTIC	Two Strand (Duplex) Multimode 62.5/125µm	0.190	[4.8]	7.05	14.11

**NOTE:** Values are per square inch of inside area. See above to determine useful area of compartment. Capacity range is calculated at 20% to 40% of raceway area as stated in a proposed revision to the Commercial Building Standard for Telecommunications Pathways & Spaces, TIA/EIA-569. For power applications, consult the NEC/CSC for other rules related to conductor quantities.

**Wire Fill Calculation:** “Depth” and “Width” refer to the measurements of the compartment with the cover on and are measured from the outside of the material. All measurements are in inches. Due to loading issues, use maximum wire fill of 4" [102mm] deep raceway for all raceways greater than 4" [102mm] deep.

- Determine useable area of compartment.  
 Useable area in square inches with no devices = [Width x (Depth - 0.2)] - 0.6  
 Useable area in square inches with standard 15A/20A devices = [Width x (Depth - 0.7)] - 0.3
- Determine wire fill for compartment.  
 Multiply the compartment area (from Step 1) by the number of wires per square inch, from the chart above  
 Wire Fill = Area (sq. in.) x No. Wires per sq. in. (Chart above)
- Reduce fill by 20% if 2" [51mm] radiused fittings **are not** being used.  
 Wire Fill for standard fittings = .8 x wire fill from Step 2
- Calculate fill for multi-compartment tees.
  - Standard Tee Wire Fill = (Wire fill from Step 2 or 3) / 2  
 Standard Full Capacity Tee Wire Fill = (Wire fill from Step 2 or 3) x 0.75
  - FiberReady 2" Tee Wire Fill = (Wire fill from Step 2 or 3) / (No. of compartments)  
 FiberReady 2" Full Capacity Tee Wire Fill = 1.5 x (Wire fill from Step 2 or 3) / (No. of compartments)

**Sample Wire Fill Calculation:** Determine the number of Cat. 5 cables that will fit in a 2" [51mm] deep by 2.75" [70mm] wide compartment fro 20% fill. Fittings in the system have a 2" [51mm] radius.

- Useful area = 2.75 x (2.0 - 0.2) - 0.6 = 4.35 in<sup>2</sup>
- Wire Fill = 4.35 in<sup>2</sup> x 5.26 cables / in<sup>2</sup> (from chart) = 22 Cat. 5 cables

All Wiremold electrical products, unless specifically noted, are listed by Underwriters Laboratories Inc. and conform to U.S. Federal Specification W-C-582. They comply with the National Electrical Code. Products designed primarily for use in telephone or communications wiring and tools normally do not require UL or cUL Listing. Most products are cUL Listed in compliance with the Canadian Electrical Code. All products must be installed in a manner consistent with applicable electrical codes. Wiremold Surface Raceway is UL and cUL Listed by Underwriters Laboratories, Inc. (File #E4376 [Raceway] & #E41751 [Fittings]). This product is in compliance with the National Electrical Code and the Canadian Electrical Code.

## NOTES



### Electrical Wiring Systems

60 Woodlawn Street  
West Hartford, CT 06110  
Phone: 1.877.BY.LEGRAND (295-3472)  
[www.legrand.us](http://www.legrand.us)

570 Applewood Crescent  
Vaughan, Ontario L4K 4B4  
Phone: 905.738.9195  
[www.legrand.ca](http://www.legrand.ca)

