

CEILING RETURNS



EGGCRATE-ER SERIES

Series **ER** grilles and registers have grid cores capable of transferring or returning high air volumes with minimum air pressure loss. They match in appearance grid louvers on luminaires. Models **ERT** - **ERU** - **ERN** fit lay-in tee bar openings in suspended grid ceilings. Model **ERI** comes with fiberglass back panel and Model **ERM** comes with a steel back panel. Both **ERI** and **ERM** fit lay-in tee bar openings. Model **ERE** is the matching return grille. It fits overlap openings in solid ceilings and walls.

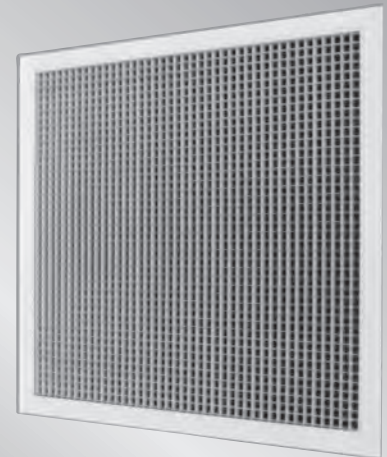
FEATURES

All Aluminium grilles

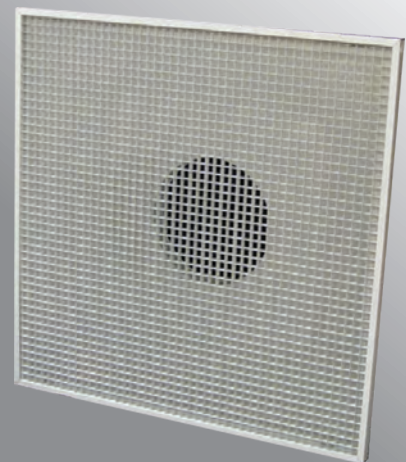
- Grid is $1/2" \times 1/2" \times 1/2"$.
- Frame is of extruded aluminium.
- Suitable for T-bar installations (Overall size = Listed size - $1/4"$).
 Model **ERT** (fig. 1) with $1 1/4"$ wide "L" frame.
 Model **ERU** (fig. 2) with "U" frame.
 Model **ERN** (fig. 3) $1/2" \times 1/2" \times 1/2"$. Aluminium core only.
 Custom Sizing Available.
 Model **ERN1** (fig. 3) $1/2" \times 1/2" \times 1"$. Model **ERN111** (fig. 3) $1" \times 1" \times 1"$. Aluminium core only. Fixed Sizes Only.
 Model **ERI** (fig. 4) aluminium core with molded fiberglass back and aluminium foil vapor barrier scored for 6" to 14" D.
 Model **ERM** (fig. 5) aluminium core with steel back panel.
- Suitable also for overlap installations, including drywall. (Collar size = Listed duct size - $1/4"$).
 Model **ERE** return grille (fig. 6) with $1 1/4"$ wide margin has countersunk mounting screw holes as standard feature. (Screws are provided).
 Model **ERE** return grille is available with plaster frame (**ERE-F**) for use as plaster stop or as separate frame to facilitate grille removal.

Plastic grilles

- Model **ERN-P** (fig. 3) with plastic core.
- Grid is $1/2" \times 1/2" \times 3/8"$.
- Standard grille and panel sizes:
 $24" \times 12" / 24" \times 24" / 24" \times 48"$.
 Other sizes are available in one piece up to $48" \times 24"$.



ERT



ERM

Available Dimensions:
ERT, ERU, ERN, ERE

MIN. W X H	MAX. W X H
6" x 4"	Any even dimension up to 48" x 24"
2" increments of width and height.	
Multiple sections furnished for sizes greater than maximum width and height.	

ENGINEERING PERFORMANCE DATA

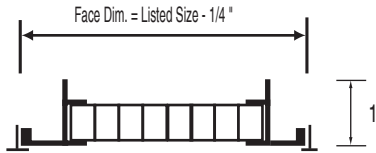
ER SERIES



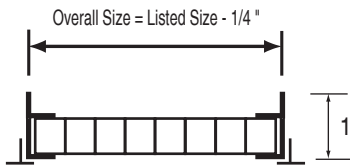
Installation Options

T-BAR INSTALLATIONS

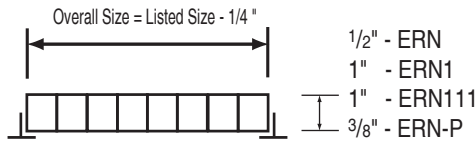
Model ERT
(With "L" frame)
Fig. 1



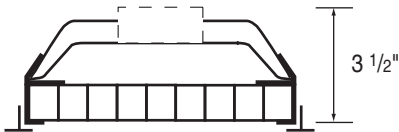
Model ERU
(with "U" frame)
Fig. 2



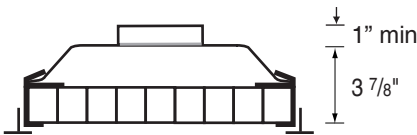
Model ERN, ERN1,
& ERN111 Aluminium
Model ERN-P Plastic
(Core only)
Fig. 3



Model ERI
(w/ fibreglass back panel)
Fig. 4

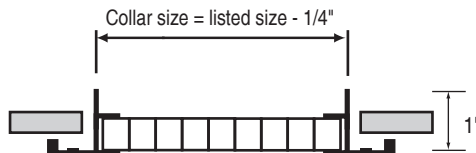


Model ERM
(w/ steel back panel)
Fig. 5



DRY WALL AND SURFACE MOUNT INSTALLATIONS

Model ERE (Return
Grille)
(Overlap frame)
Fig. 6



ENGINEERING PERFORMANCE DATA

ER SERIES



		NC 20-25 Application Non-Ducted		NC 25-30 Application Ducted		NC 30-40 Application Ducted	
		Ps		Ps		Ps	
Listed Size W x H (inches)	Ak	-0.02"	-0.03"	-0.08"	-0.10"	-0.15"	-0.20"
		CFM	CFM	CFM	CFM	CFM	CFM
10 x 6 12 x 6 10 x 8 12 x 8	.42 .50 .53 .63	140 170 195 235	170 210 240 290	280 340 390 475	315 380 440 530	385 465 535 645	445 535 615 745
10 x 10 18 x 6 12 x 12 18 x 12	.64 .75 .89 1.3	245 260 370 575	305 320 455 710	500 525 745 1155	560 590 835 1295	685 720 1020 1580	790 830 1170 1820
22 x 10 24 x 12 18 x 18 30 x 12	1.4 1.7 1.9 2.2	630 770 890 985	775 945 1095 1210	1260 1540 1785 1950	1410 1725 2000 2180	1720 2100 2440 2660	1980 2420 2780 3060
24 x 18 36 x 12 22 x 22 30 x 18	2.5 2.7 2.8 3.2	1200 1290 1340 1535	1470 1590 1650 1890	2400 2600 2700 3090	2690 2910 3020 3450 3280	3550 3680 4210	3770 4100 4240 4850
24 x 24 36 x 18 30 x 24 34 x 22	3.3 3.8 4.1 4.3	1620 1830 2040 2170	1990 2250 2510 2670	3250 3670 4100 4360	3640 4110 4590 4875	4440 5020 5600 5950	5125 5775 6450 6860
36 x 24 36 x 30 34 x 34 48 x 24	4.9 6.1 6.3 6.6	2470 3120 3190 3340	3040 3840 3930 4100	4960 6275 6425 6700	5550 7040 7200 7500	7650 8575 8775 9150	7775 9900 10100 10500
48 x 30 48 x 36 46 x 46	8.1 9.7 11.6	4190 5060 6100	5150 6240 7475	8400 10200 12200	9400 11400 13700	11425 13925 16700	13150 16100 19300

HOW TO ORDER

EXAMPLE :

ERT 2412

T for T-bar with "L" frame

U for T-bar with "U" frame

N, N1, N111 for

Aluminium core only

N-P for Plastic core only

M for steel back panel

E for Drywall

E-F with plaster frame

I for R6 Insulated back

Listed
size