

# RETURN GRILLES



## EGGCRATE-MODELS ERT-ERU-ERN-ERI-ERE

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 fibreglass back panel and also fits lay-in tee bar openings. Model ERE fits overlap openings in solid ceilings and walls.

### FEATURES

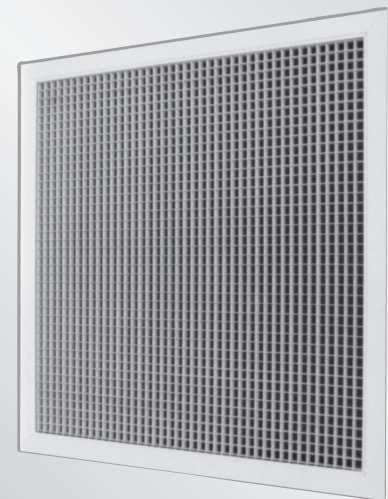
#### All Aluminum grilles

- Grid is  $\frac{1}{2}$ " x  $\frac{1}{2}$ " x  $\frac{1}{2}$ ".
  - Frame is of extruded aluminum.
  - Suitable for T-bar installations (Overall size = Listed size -  $\frac{1}{4}$ ").  
Model **ERT** (fig. 1) with  $1\frac{1}{4}$ " wide "L" frame.  
Model **ERU** (fig. 2) with "U" frame.  
Model **ERN** (fig. 3) aluminum core only.  
Model **ERI** (fig. 4) aluminum core with molded fiberglass back and aluminum foil vapor barrier scored for 6" to 14" D.
  - Suitable also for overlap installations, including drywall.  
(Collar size = Listed duct size -  $\frac{1}{4}$ ").  
Model **ERE** (fig. 5) with  $1\frac{1}{4}$ " wide margin has countersunk mounting screw holes as standard feature. (Screws are provided).
- Model **ERE** is available with plaster frame (option -F) for use as plaster stop or as separate frame to facilitate grille removal.

#### Plastic grilles

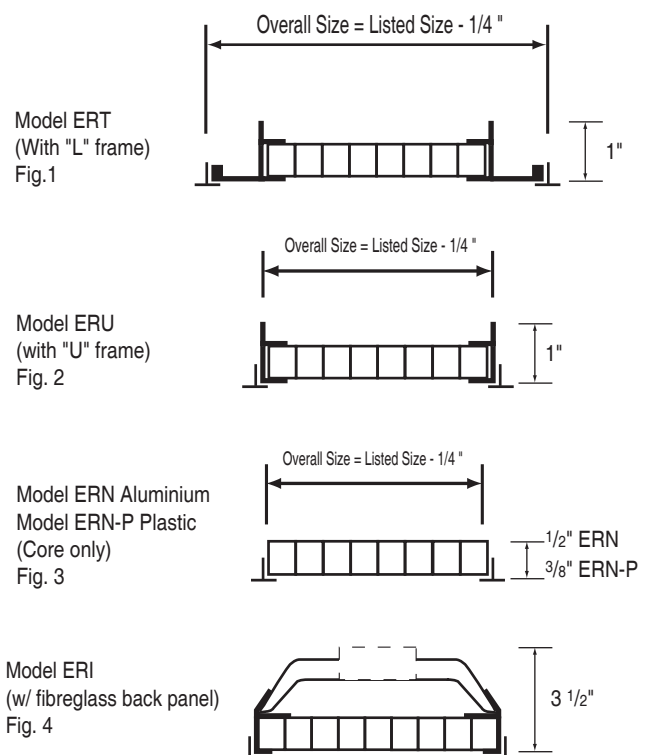
- Grid is  $\frac{1}{2}$ " x  $\frac{1}{2}$ " x  $\frac{3}{8}$ ".
- Model **ERN-P** (fig. 3) with plastic core only.
- Standard grille and panel sizes:  
24" x 12" / 24" x 24" / 24" x 48".  
Other sizes are available in one piece up to 48" x 24".

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

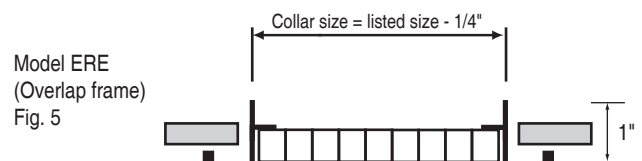


**ERT**  
(shown here)

#### T-BAR INSTALLATIONS



#### DRY WALL INSTALLATIONS



# ENGINEERING PERFORMANCE DATA

## ER SERIES

## RETURN GRILLES



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

### HOW TO ORDER

EXAMPLE :

**ERT**

**2412**

**T** for T-bar with "L" frame

**U** for T-bar with "U" frame

**N** for Aluminium core only

**N-P** for Plastic core only

**E** for Drywall

**I** for R6 Insulated back

Listed opening  
size or duct size