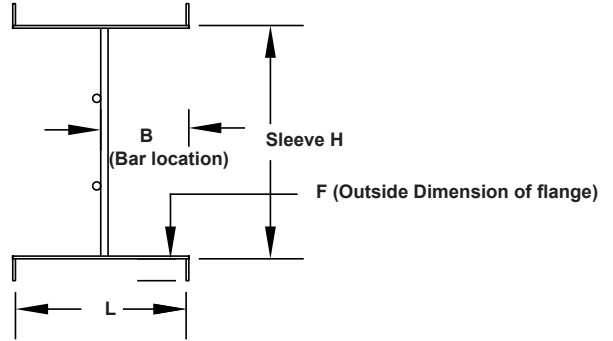
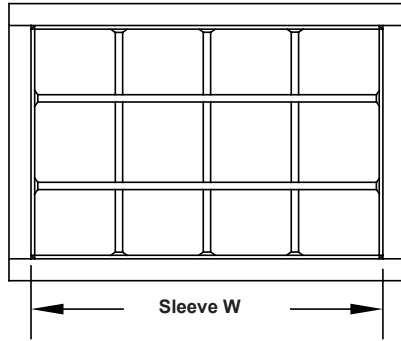




# SECURITY GRATES

## Model GR-D1 - Security Grates with round bars in channel sleeves



QTY	SLEEVE W	SLEEVE H	SLEEVE LENGTH (L)	FLANGE DIMENSION (F)	BAR LOCATION (B)	TAG

Minimum size 4" x 4". Maximum single piece size is 72" x 48" with 12" long sleeve. Larger sizes will ship in multiple sections with full sleeves for field butting and angle frames in "c" sections. Sleeve lengths up to 48" long are available. Masonry opening = sleeve O.D. + 1/4".

### STANDARD CONSTRUCTION:

- A-1000 series steel with continuously welded seams.
- A-36 steel round vertical bars 6" o.c., one bar minimum.
- A-36 steel round horizontal bars 6" o.c. on sizes over 6" high
- Bars are welded to sleeve and at intersections.
- Flanges are formed or welded on both ends of sleeve to form a channel frame. Welded flanges are butted at corners. Flange material thickness is same as sleeve.
- Two part polyurethane inside and out. White.
- Loose angle frames are unpainted.

### OPTIONS

#### SLEEVE SIZING

- O.D. undersized 1/4" (Std)
- Exact O.D.
- Exact I.D.

#### SLEEVE MATERIAL

- 3/16" steel (Std)
- 10 ga. steel
- 1/4" thick steel
- Other \_\_\_\_\_

#### BAR MATERIAL

- A-36 hot rolled steel (Std.)
- 1018 alloy cold rolled steel
- Other \_\_\_\_\_

#### VERTICAL BAR SIZE

- 1/2" Dia. (#4) (Std)
- 3/4" Dia. (#6)
- 7/8" Dia. (#7)
- 1" Dia. (#8)
- Other \_\_\_\_\_

#### HORIZONTAL BAR SIZE

- 1/2" Dia. (#4) (Std)
- 3/4" Dia. (#6)
- 7/8" Dia. (#7)
- 1" Dia. (#8)
- Other \_\_\_\_\_

#### BAR CENTERS

- 6" o.c. both ways(Std)
- Vertical bars \_\_\_\_\_" o.c.,  
Horizontal bars \_\_\_\_\_" o.c.

#### FINISH

- Two part Polyurethane white (Std.)  
Loose frames shipped unpainted.
- Mill finish - stainless steel only
- Other \_\_\_\_\_

#### FLANGE CORNERS

- Open (Std)
- Closed
- Other \_\_\_\_\_

#### FLANGE OPTIONS

- Formed on both ends of sleeve. (Std)
- Stitch welded to both ends of sleeve
- Bolt holes in flanges, 5/16" dia., on 6" centers for 1/4" dia. bolts.  
Bolts not included.
- Other \_\_\_\_\_

#### MASONRY ANCHORS

- 1/2" dia. x 3" long,  
factory welded to sleeve exterior for poured in place mounting. 8" o.c.,  
minimum one per side.

- Other anchor size or spacing \_\_\_\_\_

To maintain our policy of continuous product development, we reserve the right to change prices, specifications, ratings, and dimensions without notice or obligation.

Project/Location	<b>KEES INCORPORATED</b> 400 South Industrial Drive Elkhart Lake, WI 53020 Ph: 920.876.3391 F: 920.876.3065 <b>www.kees.com</b>
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