

# HEAVY DUTY TIGHT RADIUS CAM-GRID

MAXIMUM THROUGHPUT. MINIMUM FOOTPRINT.

## HEAVY DUTY TIGHT RADIUS CAM-GRID FEATURES:

- Tight 1.1 turning radius
- 250 lb. (113.4 kg) rating for turn or spiral applications
- 500 lb. (226.8 kg) rating for straight-line applications



### CAM-GRID SPECIFICATIONS: HEAVY DUTY TIGHT RADIUS BELTS

Specifications for Cam-Grid Tight Radius belts are the same as Cam-Grid Standard Radius belts, except as noted below:

<b>BELT PITCH</b>	1" (25.4 mm) nominal		
<b>LINKS</b>	Inner: standard collapsible 1" pitch – 1/2" x .105" (12.7 mm x 2.7 mm) Center: heavy duty non-collapsing 1" pitch – 7/16" x .105" (11.1 mm x 2.7 mm) Outer: standard collapsible 1.33" pitch – 1/2" x .105" (12.7 mm x 2.7 mm)		
<b>BELT TURNING RADIUS</b>	Nominal inside turning radius is 1.1 x belt width		
<b>EFFECTIVE BELT CARRYING SURFACE</b>	4.0" (101.6 mm) less than the overall belt width		
<b>SPECIAL CONSTRUCTION</b>	Only standard construction currently available		
<b>SPROCKETS</b>	Uses standard sprockets for 1" pitch Cam-Grid belts (18E and 23E only) Drive sprockets are located only on the inner and center links of this belt		
<b>TENSION LIMITS</b>	Heavy Duty Link*	500 lbs. (226.8 kg) straight run	250 lbs. (113.4 kg) turn or spiral
*Heavy duty links are located in the center load-bearing section of the belt and on the outer edge			

## CAM-GRID SPROCKETS

### HEAVY DUTY TIGHT RADIUS CAM-GRID SPROCKETS

NO. OF TEETH/ DESIGNATION	PITCH DIAMETER		HUB DIA. (BOTTOM DIA.)		BORE SIZE		SPROCKET THICKNESS		APPROX. WEIGHT	
	IN	MM	IN	MM	IN	MM	IN	MM	LBS	KG
<b>18E</b>	6.117	155.4	5.617	142.7	1 to 4	25.4 to 101.6	2.0	50.8	1.6	0.73
<b>23E</b>	7.868	199.8	7.368	187.1	1 to 4	25.4 to 101.6	2.0	50.8	2.9	1.32

Materials: Stainless Steel, Steel, UHMW

### CAMBRIDGE ENGINEERED SOLUTIONS

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