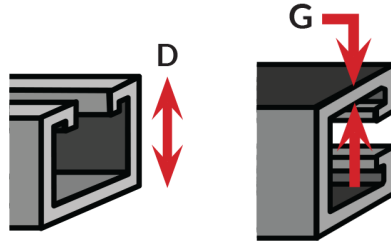
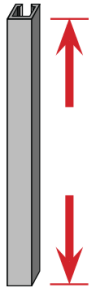


## Gauge and Depth



**12 GAUGE 0.102**  
**1-5/8" x 13/16" D**

## Length

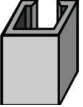





- **STANDARD 10'** (Shorter runs for easy handling)
- **STANDARD 20'** (Typical for longer runs)
- **6'8"** (Typical for commercial joists distance)
- **CUSTOM CUT-TO-LENGTH**






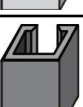


## Perforation

	<b>OVAL SLOT (Half slot)</b> [9/16" x 11/8" x 2" on ctr.]
	<b>LONG SLOT (Elongated slot)</b> [13/32" x 3" x 4" on ctr.]
	<b>ROUND HOLE</b> [9/16" DIAM x 1-7/8" on ctr.]
	<b>KNOCK OUT</b> [7/8" DIAM x 6" on ctr.]
	<b>CONTINUOUS CONCRETE INSERT</b>
	<b>SOLID (No perforation)</b>

## Material

	<b>STEEL</b> (Carbon steel, structural grade, 33,000 min yield)
	<b>STAINLESS STEEL</b> [304 or 316]
	<b>ALUMINUM</b>
	<b>FIBERGLASS</b>

## Finish

	<b>PRE-GALVANIZED</b> (Continuous galvanized) - G90 zinc coating weight for cost-effective long-term galvanic and barrier corrosion protection
	<b>HOT DIPPED Galvanized</b> (HDG – after fabrication, batch dip) where aqueous or exterior applications require greater corrosion protection
	<b>GREEN</b> Powder or “e”-coated painted topical coating
	<b>PVC COAT</b> Heavy PVC coat for extended barrier protection or cosmetic effects (May PVC coat over plain or galvanized)
	<b>WIZCoat™ GALVANNEAL</b> Paintable pregalvanized material requires no pre-treatment. Easily spray painted post-installation
	<b>PLAIN</b> Untreated, “plain” steel with no topical/barrier coating
	<b>GOLD</b> Yellow zinc dichromate electro-galvanized
	<b>CUSTOM COLORS</b> Custom powder coating available in virtually any color variations



# G132 SERIES METAL FRAMING STRUT CHANNEL

## Gregory G-STRUT Submittal Form

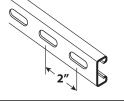
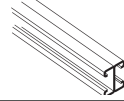
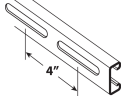
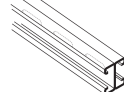
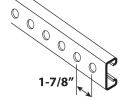
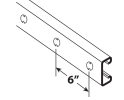
Project Name	
Project Start Date	
Architect or Engineer	
Phone	
Contractor(s)	
Address	
City	
State	
Zip	

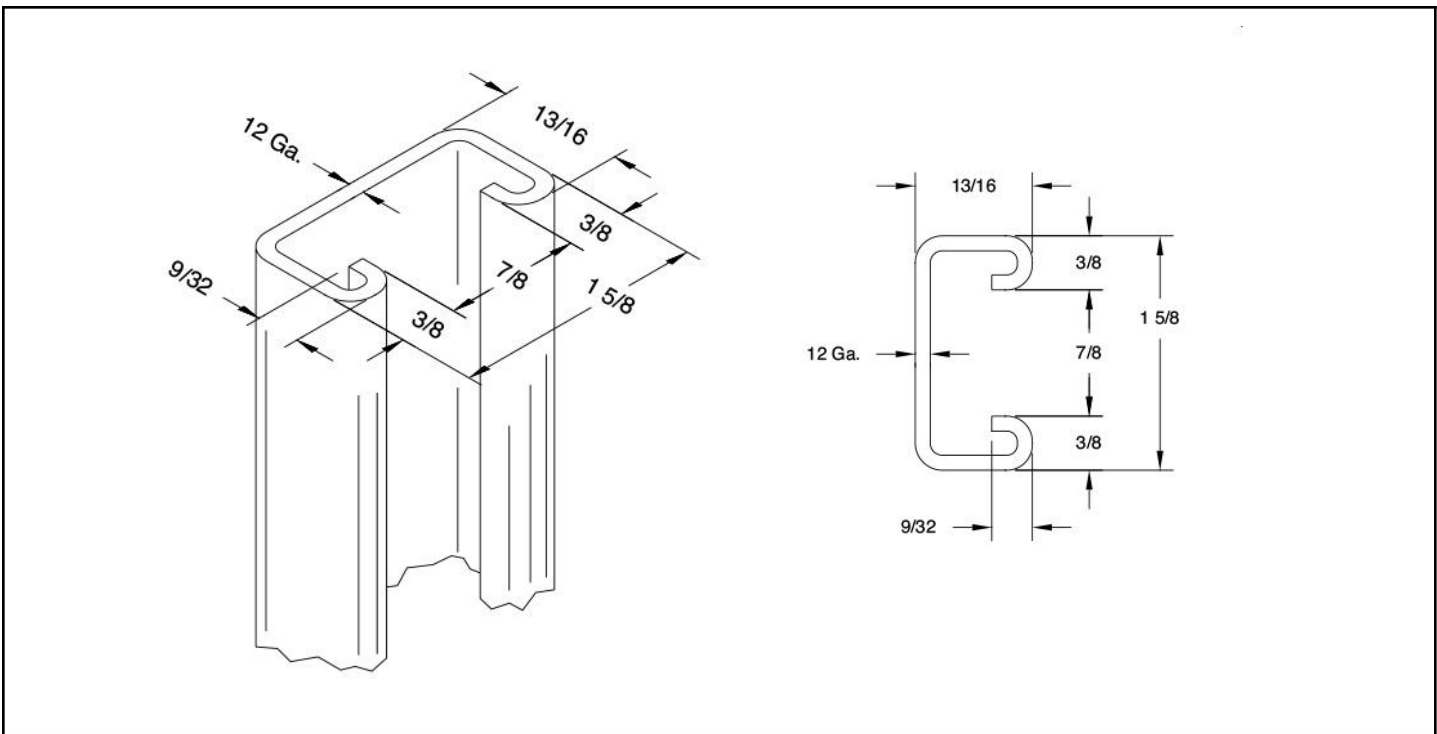
Approval



# G132 SERIES METAL FRAMING STRUT CHANNEL

**1-5/8" x 13/16" (1.625" x 0.8125") • 12 gauge (0.102" thick)**

	<b>G132OS [Oval-Slot]</b> 9/16" x 1-1/8" - 2" ON CTR		<b>G132A [Back-to-Back]</b> WELDED
	<b>G132LS [Long-Slot]</b> 13/32" x 3" - 4" ON CTR		<b>G132AOS [Back-to-Back Oval-Slot]</b> WELDED
	<b>G132H [Holes]</b> 9/16" DIAM. - 1-7/8" ON CTR		<b>G132KO [KNOCK OUT]</b> 7/8" DIAM. - 6" ON CTR



ITEM	QNT'Y	DESCRIPTION	MATERIAL
		ROLLFORM TOLERANCES	
SCALE	FULL	CHK'D BY	LENGTH ± 0.125"
DWN BY	IDI	02-02-02	APP'D BY
ALL OTHER DIMENSIONS ± 0.020"			

## G-STRUT CHANNEL, PART # G132

CAD FILENAME <b>G132</b>	<b>GREGORY STRUT PRODUCTS</b> Division of Gregory Industries 4100 13th Street SW, Canton, OH 44710 PH: 330-477-4800 • FX: 330-477-0626	REF. No.
LAST PLOT DATE <b>02-02-02</b>		DRWG No. <b>G132</b>

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## G132 SERIES METAL FRAMING STRUT CHANNEL

ELEMENTS OF SECTION								
			X-X AXIS			Y-Y AXIS		
Strut Section No.	Weight/ Foot lbs.	Area of Section in. <sup>2</sup>	Moment of Inertia in. <sup>4</sup>	Section Modulus in. <sup>3</sup>	Radius of Gyration in.	Moment of Inertia in. <sup>4</sup>	Section Modulus in. <sup>3</sup>	Radius of Gyration in.
G132	1.262	0.371	0.029	0.06	0.28	0.134	0.165	0.601
G132A	2.525	0.742	0.137	0.169	0.43	0.268	0.33	0.601

BEAM & COLUMN LOADS					
Strut Section Number	Beam Span or Column Height	Maximum Column Load	Total Uniform Load @25,000 psi	Deflection @ 25,000 psi	Uniform Load @ 1/240 Span Deflection
	in.	lbs.	lbs.	in.	lbs.
<b>G132</b>	12	6430	1000	0.02	-
	18	5860	660	0.05	-
	24	5180	500	0.1	-
	30	4410	400	0.16	290
	36	3530	330	0.23	200
	42	2630	280	0.32	150
	48	2020	250	0.42	110
	54	1590	220	0.53	90
	60	1290	200	0.66	70
	66	1060	180	0.8	60
	72	-	160	0.92	50
	84	-	140	1.28	30
	96	-	120	1.64	20
	108	-	110	2.14	20
	120	-	100	2.67	10
	132	-	90	3.2	10
	144	-	80	3.69	10
	156	-	70	4.11	10
	168	-	70	5.13	0
	180	-	60	5.41	0
	192	-	60	6.57	0
	204	-	50	6.57	0
	216	-	50	7.8	0
	228	-	50	9.17	0
	240	-	50	10.7	0



## G132 SERIES METAL FRAMING STRUT CHANNEL

BEAM & COLUMN LOADS					
Strut Section Number	Beam Span or Column Height	Maximum Column Load	Total Uniform Load @25,000 psi	Deflection @ 25,000 psi	Uniform Load @ 1/240 Span Deflection
	in.	lbs.	lbs.	in.	lbs.
<b>G132A</b>	12	13720	2810	0.01	-
	18	13240	1870	0.03	-
	24	12690	1400	0.06	-
	30	12080	1120	0.09	-
	36	11400	930	0.14	-
	42	10670	800	0.19	720
	48	9880	700	0.25	550
	54	9030	620	0.31	430
	60	8120	560	0.39	350
	66	7150	510	0.48	290
	72	6110	460	0.56	240
	84	4490	400	0.77	180
	96	3440	350	1.01	130
	108	-	310	1.27	100
	120	-	280	1.58	80
	132	-	250	1.88	70
	144	-	230	2.25	60
	156	-	210	2.61	50
	168	-	200	3.1	40
	180	-	180	3.44	30
	192	-	170	3.94	30
	204	-	160	4.45	30
	216	-	150	4.95	20
	228	-	140	5.43	20
	240	-	140	6.34	20

For Perforated Channels, Reduce Total Beam Load Values as Follows:

G132/G132A	OS	22%
G132/G132A	LS	35%
G132/G132A	H	14%
G132/G132A	KO	6%

E = 29000; Fy = 42700; K = 0.8



## G132 SERIES METAL FRAMING STRUT CHANNEL

**COLUMN LOADS:** Column loads are for allowable axial loads for the unsupported heights listed (including a K value of 0.80). Column loads must be reduced for eccentric loading.

**BEAM LOADS:** Loads listed are distributed uniformly. For loads concentrated at center of span, multiply uniform load by 0.5 and deflection by 0.8. Where deflection is not a factor, use stress of 25,000 PSI. When deflection is a factor, use deflection of 1/240 span.