

Masonry Girder Hangers

LGUM / HGUM series



LGUM and HGUM Masonry Girder Hangers are high-capacity beam/girder hangers designed for installation to masonry or concrete walls. The LGUM and HGUM hangers use USP's WS screws (supplied) to attach the beam to hanger and Power's Wedge Bolt+ anchors (supplied) to attach to the masonry or concrete wall. These hangers eliminate the need for constructing beam pockets.

Materials: LGUM - 12 gauge; HGUM - 7 gauge

Finish: G90 galvanizing

Options: See HGUM Specialty Options chart

Installation:

- WS3 structural screws and Powers Wedge-Bolt+ anchors are supplied with hangers.
 Substituting other fasteners may reduce capacity.
- Powers Wedge-Bolt + fasteners require Powers SDS Wedge-Bit drill bit. Wedge-Bits are not included and must be ordered seperately.
- Beams comprised of multiple plies must be adequately fastened to act as a single member.
- Beam height dimension (H) must be specified when ordering HGUM hangers.
- Moisture barrier between beam and wall may be required by local jurisdication.

		Dimensions		Fastener Schedule					DF Fac	tored Resis	italice	S-P-F Factored Resistance			
		_	Dimensions (in.)		CMU/		loiet			Uplift (115%) ¹			Uplift (115%) ¹		
		(111.)		Concrete		Joist				CMU / Co	oncrete ^{2,3}	j j	CMU / Concrete ^{2,3}		
									CMU/	4" Min.	13" Min.	CMU/	4" Min.	13" Min.	
USP					Wedge		WS		Concrete ^{2,3}	to Top	to Top	Concrete ^{2,3}	to Top	to Top	Ctn
Stock No.	Ref. No.	W	H ⁴	Qty	Bolts ⁵	Qty	Screws ⁶	Unit		of Wall	of Wall	100%	of Wall	of Wall	Qty
							Double								
LGUM26-2	LGUM26-2-SDS	3-5/16	5-7/16	4	3/8" x 4"	4	WS3	Lbs	10840	3485	3485	8745	2810	2810	-
				Н				kN	48.22	15.50	15.50 4540	38.90 10580	12.50 3660	12.50	-
LGUM28-2	LGUM28-2-SDS	3-5/16	7-3/16	6 3/8	3/8" x 4"	6	WS3	Lbs kN	13120 58.36	4540 20.19	20.19	47.06	16.28	3660 16.28	5
\longrightarrow				\rightarrow				Lbs	16225	5490	5490	13085	4425	4425	
LGUM210-2	LGUM210-2-SDS	3-5/16	9-3/16	8	3/8" x 4"	8	WS3	kN	72.17	24.42	24.42	58.20	19.68	19.68	1
							Triple	2x Siz				00120	10.00	10.00	
1.0111400.0		4.45/40	E 4 (0		0/011 411			Lbs	10840	3485	3485	8745	2810	2810	5
LGUM26-3	LGUM26-3-SDS	4-15/16	5-1/2	4	3/8" x 4"	4	WS3	kN	48.22	15.50	15.50	38.90	12.50	12.50	
LGUM28-3	LGUM28-3-SDS	4-15/16	7-1/4	6	3/8" x 4"	6	WS3	Lbs	13120	4540	4540	10580	3660	3660	
LGUIVIZ8-3								kN	58.36	20.19	20.19	47.06	16.28	16.28	
LGUM210-3	LGUM210-3-SDS	1-15/16	9-1/4	8	3/8" x 4"	8	WS3	Lbs	16225	5490	5490	13085	4425	4425	
EddWZ10 3	EGOIVIZ TO 3 ODO	+ 15/10	3 1/4	Ů	5/0 X 4			kN	72.17	24.42	24.42	58.20	19.68	19.68	
_							Quadrup								
LGUM26-4	LGUM26-4-SDS	6-9/16	5-7/16	4	3/8" x 4"	4	WS3	Lbs	10840	3485	3485	8745	2810	2810	5
				\vdash	0,0 x 1 1			kN	48.22	15.50	15.50	38.90	12.50	12.50	
LGUM28-4	LGUM28-4-SDS	6-9/16	7-3/16	6	3/8" x 4" 6	6	WS3	Lbs	13120	4540	4540	10580	3660	3660	
\longrightarrow				Н	+	-		kN	58.36	20.19	20.19	47.06	16.28	16.28	-
LGUM210-4	LGUM210-4-SDS	6-9/16	9-3/16	8	3/8" x 4"	8	WS3	Lbs	16225 72.17	5490 24.42	5490 24.42	13085 58.20	4425 19.68	4425 19.68	1
							4x	Sizes	12.11	24.42	24.42	30.20	19.00	13.00	
								Lbs	10840	3485	3485	8745	2810	2810	
LGUM46	LGUM46-SDS	3-5/8	4-7/8	4-7/8 4 3/8" x 4"	4	WS3	kN	48.22	15.50	15.50	38.90	12.50	12.50	1 I	
1.0118440	LOUIMAG ODG	0.5/0	0.7/0	7.70		woo	Lbs	13120	4540	4540	10580	3660	3660	1 _	
LGUM48	LGUM48-SDS	3-5/8	6-7/8	6	3/8" x 4"	6	WS3	kN	58.36	20.19	20.19	47.06	16.28	16.28	5
LGUM410	LGUM410-SDS	3-5/8	8-7/8	8	3/8" x 4"	8	WS3	Lbs	16225	5490	5490	13085	4425	4425	
LGUIVI410	LGUIVI410-5D5	3-3/6	0-7/0					kN	72.17	24.42	24.42	58.20	19.68	19.68	
				Enç	gineered W	lood .	& Structu		nber Sizes (H						
HGUM525	HGUM5.25-SDS	5-1/4		8	5/8" x 5"	24	WS3	Lbs	26165	7010	15890	20780	5570	12620	
		0 .7 .		بّ	0 0	Ë		kN	116.39	31.18	70.68	92.43	24.78	56.14	-
HGUM550	HGUM5.50-SDS	5-1/2	016	8	5/8" x 5"	24	WS3	Lbs	26165	15890	7010	20780	12620	5570	1
\longrightarrow			Specify	Н		" 24	WS3	kN	116.39	70.68	31.18	92.43	56.14	24.78	
HGUM700	HGUM7.00-SDS	7	11-1/4 to	8	5/8" x 5"			Lbs	26165	7010 31.18	15890 70.68	20780	5570 24.78	12620	-
			το 30	\vdash		\vdash	\vdash	Lbs	116.39 26165	15890	70.68	92.43 20780	12620	56.14 5570	1
HGUM725	HGUM7.25-SDS	7-1/4	30	8	5/8" x 5"	24	WS3	kN	116.39	70.68	31.18	92.43	56.14	24.78	1
			8	\vdash	5/8" x 5"	24	WS3	Lbs	26165	70.00	15890	20780	5570	12620	1
HGUM900	HGUM9.00-SDS	9		8				kN	116.39	31.18	70.68	92.43	24.78	56.14	1

HGUM Specialty Options Chart

Option	USP series	Inverted Flange ¹						
Range	HGUM	One Inverted-Flange option available						
Factored	HGUM	50% of table download						
Resistance	TIGUIVI	75% of table uplift load						
Ordering	HGUM	Add 1IF and right (R) or left (L) to product number.						
Ordering	пасім	Ex. HGUM525_H=18_1IFL						

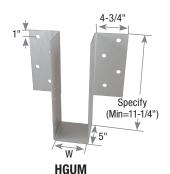
¹⁾ The inverted flange option is not available for LGUM hangers.

- Factored resistances have been increased 15% for short-term loads such as wind and earthquake: no further increase allowed.
- 2) Masonry compressive strength shall be minimum 1,500 psi.
- 3) Minimum concrete strength f'c = 2.000 psi.
- "Specify" denotes the required supported beam height that must be specified at the time of ordering.
- Use Powers Fasteners Wedge-Bolt® (included). Drill hole in concrete or masonry with 1/4" masonry drill. Refer to manufacturer's literature for further information
- 6) WS3 Wood Screws are 1/4" x 3" long and are included with hangers.





Typical LGUM installation





Typical HGUM installation



Typical HGUM one inverted flange, left shown