



Protecting more than just  
your Roof's Integrity.

## S-5! TEST RESULTS

(Latest Update - 5/29/08)

The table below represents ultimate failure loads in tensile pull test. Allowable loads listed utilizing a factor safety of two are provided for user convenience. Actual Factor of safety is the responsibility of the designer and should be employed as appropriate. Ultimate loads are highly dependent upon set screw tension. When relying upon the above values, set screws should be tensioned and re-tensioned as the seam material compresses. Screw Tension should be verified using a calibrated torque-indicating wrench.

Model	Panel Manufacturer	Panel Name	Thickness Material	Screw Tension (inch-lbs)	Ultimate (lbs)	Failure Mode	Allowable (lbs)	Notes
S-5-U	A&S	Double-Lok	22 ga steel	150	3130lb	B	1565lb	
S-5-U	A&S	Double-Lok	24 ga steel	115	2453lb	B	1227lb	
S-5-U	A&S	DuraSeal Seam	22 ga steel	150	3130lb	B	1565lb	
S-5-U	A&S	DuraSeal Seam	24 ga steel	115	2453lb	B	1227lb	
S-5-U	A&S	DuraSeal Snap	22 ga steel	150	2725lb	B	1363lb	
S-5-U	A&S	DuraSeal Snap	24 ga steel	115	2668lb	B	1334lb	
S-5-U	A&S	Ultra Dek	22 ga steel	150	2725lb	B	1363lb	
S-5-U	A&S	Ultra Dek	24 ga steel	115	2668lb	B	1334lb	
S-5-U	AB Martin Roofing	AB Seam 1	24 ga steel	115	1382lb	B/F	691lb	
S-5-U	AB Martin Roofing	AB Seam 19.5	24 ga steel	115	1930lb	B	965lb	
S-5-U	AEP Span	Design Span hp	22 ga steel	150	1908lb	F	954lb	
S-5-U	AEP Span	Design Span hp	24 ga steel	115	1199lb	B/F	600lb	
S-5-U	AEP Span	High Seam	24 ga steel	115	1721lb	B/F	861lb	
S-5-U	AEP Span	Snap Seam	22 ga steel	150	3167lb	B	1584lb	
S-5-U	AEP Span	Snap Seam	24 ga steel	115	2774lb	B/F	1387lb	
S-5-U	American Buildings Company	Standing Seam II Panel	24 ga steel	115	2059lb	B	1030lb	
S-5-U	Architectural Building Components	Permaseam	22 ga steel	150	3167lb	B	1584lb	
S-5-U	Architectural Building Components	Permaseam	24 ga steel	115	2774lb	B/F	1387lb	
S-5-U	Architectural Metal Systems	Standing Seam II Panel	24 ga steel	115	2059lb	B	1030lb	
S-5-U	ASC Building Products	Skyline	26 ga steel	115	1475lb	F	738lb	
S-5-U	Associated Building Systems	KA-2000	22 ga steel	150	2280lb	B/F	1140lb	
S-5-U	Associated Building Systems	KA-2000	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	ATAS	MRD-150	.032 alum	115	1486lb	B/F	743lb	
S-5-U	ATAS	MRD-150	24 ga steel	115	1367lb	B/F	684lb	

S-5-U	Bax Steel Buildings	Bax-Lock	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Bax Steel Buildings	Bax-Lock	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Bax-Steel Buildings, Inc.	Bax-Lock	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Bax-Steel Buildings, Inc.	Bax-Lock	24 ga steel	115	2668lb	B	1334lb	
S-5-U	BC Steel Buildings	BCL 24-MS	22 ga steel	150	3130lb	B	1565lb	
S-5-U	BC Steel Buildings	BCL 24-MS	24 ga steel	115	2453lb	B	1227lb	
S-5-U	BC Steel Buildings	BCL 24-SD	22 ga steel	150	2725lb	B	1363lb	
S-5-U	BC Steel Buildings	BCL 24-SD	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Behlen Building Systems	ZL-24	24 ga steel	115	1955lb	F	978lb	
S-5-T	Behlen Building Systems	ZL-24	24 ga steel	115	1218lb	B	609lb	
S-5-Z	Bemo	Bemo Roof	.032 alum	115	2642lb	B	1321lb	
S-5-Z	Bemo	Bemo Roof	.040 alum	115	2460lb	F	1230lb	
S-5-Z	Bemo	Bemo Roof	24 ga steel	115	1766lb	B	883lb	
S-5-U	Berridge	Cee-Lock	24 ga steel	115	2530lb	B	1265lb	
S-5-U	Berridge	Tee Panel	24 ga steel	115	791lb	B	396lb	2
S-5-Z	BHP	Zip Rib	.032 alum	115	2642lb	B	1321lb	
S-5-Z	BHP	Zip Rib	.040 alum	115	2460lb	F	1230lb	
S-5-Z	BHP	Zip Rib	24 ga steel	115	1766lb	B	883lb	
S-5-U	Blazer Industries	Snap-Lock	26 ga steel	115	1372lb	B	686lb	
S-5-U	Butler	Genesis 360	24 ga steel	115	1124lb	B	562lb	
S-5-E	Butler	MR24	22 ga steel	150	1892lb	B/C	946lb	
S-5-E	Butler	MR24	24 ga steel	115	1468lb	B/C	734lb	
S-5-U	Butler	MR24	24 ga steel	115	2114lb	B	1057lb	
S-5-U	Butler	VSR	24 ga steel	115	1936lb	B/F	968lb	
S-5-U	Carlisle Engineered Metals, Inc.	Architectural Panel	22 ga steel	150	3167lb	B	1584lb	
S-5-U	Carlisle Engineered Metals, Inc.	Architectural Panel	24 ga steel	115	2774lb	B/F	1387lb	
S-5-U	Carlisle Engineered Metals, Inc.	VersaLok Panel	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Carlisle Engineered Metals, Inc.	VersaLok Panel	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Ceco	CRP	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	Ceco	CXP	22 ga steel	150	2047lb	B	1024lb	
S-5-U	Ceco	CXP	24 ga steel	115	1519lb	B	760lb	
S-5-U	Central States Manufacturing	Central Loc	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Central States Manufacturing	Central Loc	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Central States	Central Seam	22 ga steel	150	3130lb	B	1565lb	

	Manufacturing	Plus						
S-5-U	Central States Manufacturing	Central Seam Plus	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Central Texas Metal Roofing Supply	ShurLoc 175	22 ga steel	115	1300lb	B	650lb	
S-5-U	Central Texas Metal Roofing Supply	ShurLoc 175	24 ga steel	115	2349lb	B	1175lb	
S-5-U	Centria	ADP 100	.032 alum	115	802lb	A/B	401lb	
S-5-U	Centria	ADP 100	.040 alum	115	713lb	A/B	357lb	
S-5-U	Centria	ADP 100	24 ga steel	115	748lb	A/B	374lb	
S-5-U	Centria	SDP 175	22 ga steel	150	3167lb	B	1584lb	
S-5-U	Centria	SDP 175	24 ga steel	115	2774lb	B/F	1387lb	
S-5-U	Centria	SDP 200	24 ga steel	115	2475lb	B/D/F	1238lb	
S-5-U	Centria	SDP 300	24 ga steel	115	2339lb	B/D/F	1170lb	
S-5-T	Centria	SDP-250	24 ga steel	115	1673lb	B	837lb	
S-5-T	Centria	SRS-2	22 ga steel	115	1343lb	B	672lb	
S-5-T	Centria	SRS-2	24 ga steel	115	1166lb	B	583lb	
S-5-T	Centria	SRS-3	22 ga steel	115	1397lb	B	699lb	
S-5-U	Chief Industries	MSC Panel	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Chief Industries	MSC Panel	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Chief Industries	STC Panel	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Chief Industries	STC Panel	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Construction Metals, Inc.	Barrier Roof	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Construction Metals, Inc.	Barrier Roof	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Construction Metals, Inc.	Sur-Lock	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Construction Metals, Inc.	Sur-Lock	24 ga steel	115	2453lb	B	1227lb	
S-5-E	Copper Sales	UC3	24 ga steel	115	1568lb	F	784lb	
S-5-U	Copper Sales	UC4	24 ga steel	115	1883lb	B/F	942lb	
S-5-U	Copper Sales	UC6	24 ga steel	115	1720lb	B/F	860lb	
S-5-U	Corle Building Systems	Seam-Lok	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Corle Building Systems	Seam-Lok	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Corle Building Systems	Snap-Seal	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Corle Building Systems	Snap-Seal	24 ga steel	115	2668lb	B	1334lb	
S-5-Z	Corus	Kal Zip	.032 alum	115	2642lb	B	1321lb	
S-5-Z	Corus	Kal Zip	.040 alum	115	2460lb	F	1230lb	
S-5-Z	Corus	Kal Zip	24 ga steel	115	1766lb	B	883lb	
S-5-U	Custom Bilt Metals	SL-1750	24 ga steel	115	2349lb	B	1175lb	
S-5-U	Dean Steel Buildings, Inc	Pro Seam Panel	22 ga steel	150	2725lb	B	1363lb	

S-5-U	Dean Steel Buildings, Inc	Pro Seam Panel	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Dean Steel Buildings, Inc.	Pro Seam Panel	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Dean Steel Buildings, Inc.	Pro Seam Panel	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Dimensional Metals	DL-15	24 ga steel	115	1855lb	B/F	928lb	
S-5-U	Dimensional Metals	IL-20	22 ga steel	115	1630lb	B	815lb	
S-5-U	Dimensional Metals	IL-20	24 ga steel	115	2260lb	B	1130lb	
S-5-U	Dimensional Metals	SL-20	24 ga steel	115	1350lb	F	675lb	
S-5-U	Dimensional Metals	SL-25	22 ga steel	115	2410lb	B/F	1205lb	
S-5-U	Dimensional Metals	SL-25	24 ga steel	115	1870lb	B/F	935lb	
S-5-U	Drexel Metals	DMC 175S	.032 alum	115	1747lb	B/F	874lb	
S-5-U	Englert	Series 2000	24 ga steel	115	2349lb	B	1175lb	
S-5-U	Fab Tech, Inc.	Seam-Lok	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Fab Tech, Inc.	Seam-Lok	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Fab Tech, Inc.	Snap-Seal	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Fab Tech, Inc.	Snap-Seal	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Fabral	3" Snap Rib	24 ga steel	115	1990lb	B	995lb	
S-5-U	Fabral	Slim Seam	.032 alum	115	1448lb	B	724lb	
S-5-U	Fabral	Slim Seam	.032 alum	115	1529lb	F	765lb	
S-5-U	Fabral	Slim Seam	24 ga steel	115	1782lb	B/F	891lb	
S-5-U	Fabral	Stand N Seam	.032 alum	115	1788lb	B/F	894lb	
S-5-U	Fabral	Stand N Seam	24 ga steel	115	2226lb	B	1113lb	
S-5-U	Fabral	Thin Seam	24 ga steel	115	2349lb	B	1175lb	
S-5-E	Firestone	UC3	24 ga steel	115	1568lb	F	784lb	
S-5-U	Firestone	UC4	24 ga steel	115	1883lb	B/F	942lb	
S-5-U	Firestone	UC6	24 ga steel	115	1720lb	B/F	860lb	
S-5-E	Follansbee Steel	1 in (25mm) DF (TCS)	.018 TCS II	115	1881lb	B/F	941lb	
S-5-E	Follansbee Steel	1 in (25mm) DF (TCS)	28 ga TCS II	115	1790lb	B/F	895lb	
S-5-E	Follansbee Steel	1 in (25mm) DF (Terne)	28 ga Terne II	115	1028lb	F	514lb	
S-5-E	Follansbee Steel	1 in (25mm) DF (Terne)	30 ga Terne II	115	564lb	F	282lb	
S-5-U	Galvak, S.A. De C.V.	Galvalok I	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Galvak, S.A. De C.V.	Galvalok I	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Galvak, S.A. De C.V.	Galvalok II	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Galvak, S.A. De C.V.	Galvalok II	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Garco Building Systems	Garco Standing Seam	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Garco Building Systems	Garco Standing	24 ga steel	115	2668lb	B	1334lb	

S-5-Z	Hoogovens Aluminum Building Systems	Kal Zip	.032 alum	115	2642lb	B	1321lb
S-5-Z	Hoogovens Aluminum Building Systems	Kal Zip	.040 alum	115	2460lb	F	1230lb
S-5-Z	Hoogovens Aluminum Building Systems	Kal Zip	24 ga steel	115	1766lb	B	883lb
S-5-T	Imetco	Series 300	22 ga steel	150	3006lb	B/F	1503lb
S-5-T	Imetco	Series 300	24 ga steel	115	2908lb	B/F	1454lb
S-5-T2	Imetco	Series 300 2	24 ga steel	115	1710lb	B/F	855lb
S-5-T2	Imetco	Series 300 2" Batten	.032 alum	115	1107lb	F	554lb
S-5-T2	Imetco	Series 300 2" Batten	.040 alum	115	1431lb	F	716lb
S-5-T	Imetco	Series 300-AL	.032 alum	115	1600lb	F	800lb
S-5-T	Imetco	Series 300-AL	.040 alum	115	2020lb	F	1010lb
S-5-T	Inland Buildings	IN-LOC	24 ga steel	115	1218lb	B	609lb
S-5-U	Inland Buildings	IN-LOC	24 ga steel	115	1955lb	F	978lb
S-5-U	Kirby Building Systems	Kirbylok 2000	22 ga steel	150	2725lb	B	1363lb
S-5-U	Kirby Building Systems	Kirbylok 2000	24 ga steel	115	2668lb	B	1334lb
S-5-U	Kirby Building Systems	Kirbylok 2000 MS	22 ga steel	150	3130lb	B	1565lb
S-5-U	Kirby Building Systems	Kirbylok 2000 MS	24 ga steel	115	2453lb	B	1227lb
S-5-U	Knudson Building Systems	KR-20	24 ga steel	115	2349lb	B	1175lb
S-5-U	Laura Star-Roof, BV	Artlock	22 ga steel	150	2280lb	B/F	1140lb
S-5-U	Laura Star-Roof, BV	Artlock	24 ga steel	115	2056lb	B/F	1028lb
S-5-U	Laura Star-Roof, BV	Spanlock	22 ga steel	150	2285lb	B	1143lb
S-5-U	Laura Star-Roof, BV	Spanlock	24 ga steel	115	1779lb	B	890lb
S-5-U	Liberty Building Systems	Liberty Loc	24 ga steel	115	1738lb	F	869lb
S-5-U	MBCI	BattenLok	22 ga steel	150	2280lb	B/F	1140lb
S-5-U	MBCI	BattenLok	24 ga steel	115	2056lb	B/F	1028lb
S-5-U	MBCI	DoubleLok	22 ga steel	150	3130lb	B	1565lb
S-5-U	MBCI	DoubleLok	24 ga steel	115	2453lb	B	1227lb
S-5-U	MBCI	LokSeam	22 ga steel	150	3167lb	B	1584lb
S-5-U	MBCI	LokSeam	24 ga steel	115	2774lb	B/F	1387lb
S-5-U	MBCI	SuperLok	22 ga steel	150	2285lb	B	1143lb
S-5-U	MBCI	SuperLok	24 ga steel	115	1779lb	B	890lb
S-5-U	MBCI	UltraDek	22 ga steel	150	2725lb	B	1363lb
S-5-U	MBCI	UltraDek	24 ga steel	115	2668lb	B	1334lb
S-5-U	McElroy Metals	Master-Lok 90	22 ga steel	150	2725lb	B	1363lb

S-5-U	McElroy Metals	Master-Lok 90 (ML90)	24 ga steel	115	2668lb	B	1334lb	
S-5-U	McElroy Metals	Maxima	24 ga steel	115	2475lb	B/D/F	1238lb	
S-5-U	McElroy Metals	Maxima 2"	22 ga steel	115	1920lb	B/F	960lb	
S-5-U	McElroy Metals	Maxima 2"	24 ga steel	115	1197lb	F	599lb	
S-5-U	McElroy Metals	Medallion-Lok	22 ga steel	150	3167lb	B	1584lb	
S-5-U	McElroy Metals	Medallion-Lok	24 ga steel	115	2774lb	B/F	1387lb	
S-5-U	McElroy Metals	ML-FS	22 ga steel	150	2092lb	B/F	1046lb	
S-5-U	McElroy Metals	ML-FS	24 ga steel	115	1739lb	B/F	870lb	
S-5-U	Merchant & Evans	#305	.032 alum	115	1653lb	B/F	827lb	
S-5-U	Merchant & Evans	#305	.040 alum	115	1902lb	F	951lb	
S-5-U	Merchant & Evans	#305	24 ga steel	115	1915lb	B/F	958lb	
S-5-U	Merchant & Evans	#306	.032 alum	115	802lb	A/B	401lb	2
S-5-U	Merchant & Evans	#306	.040 alum	115	713lb	A/B	357lb	2
S-5-U	Merchant & Evans	#306	24 ga steel	115	748lb	A/B	374lb	2
S-5-U	Merchant & Evans	Interlock	.032 alum	60	1267lb	B/F	634lb	1
S-5-U	Merchant & Evans	Interlock	.040 alum	115	2026lb	B/F	1013lb	
S-5-U	Merchant & Evans	Interlock	24 ga steel	115	2419lb	D/F	1210lb	
S-5-Z	Merchant & Evans	Zip Rib	.032 alum	115	2642lb	B	1321lb	
S-5-Z	Merchant & Evans	Zip Rib	.040 alum	115	2460lb	F	1230lb	
S-5-Z	Merchant & Evans	Zip Rib	24 ga steel	115	1766lb	B	883lb	
S-5-U	Mesco	Double-Lok	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Mesco	Double-Lok	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Mesco	Ultra Dek	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Mesco	Ultra Dek	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Metal Sales	1" Mini Batten	22 ga steel	150	1393lb	B/F	697lb	
S-5-U	NCI/Midwest Metallic	216	22 ga steel	150	2280lb	B/F	1140lb	
S-5-U	NCI/Midwest Metallic	216	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	NCI/Midwest Metallic	BattenLok	22 ga steel	150	2280lb	B/F	1140lb	
S-5-U	NCI/Midwest Metallic	BattenLok	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	NCI/Midwest Metallic	Double-Lok	22 ga steel	150	3130lb	B	1565lb	
S-5-U	NCI/Midwest Metallic	Double-Lok	24 ga steel	115	2453lb	B	1227lb	
S-5-U	NCI/Midwest Metallic	Ultra Dek	22 ga steel	150	2725lb	B	1363lb	
S-5-U	NCI/Midwest Metallic	Ultra Dek	24 ga steel	115	2668lb	B	1334lb	
S-5-U	NCI/Midwest Metallic	Weather Roof II	22 ga steel	150	2725lb	B	1363lb	
S-5-U	NCI/Midwest Metallic	Weather Roof II	24 ga steel	115	2668lb	B	1334lb	
S-5-U	NCI/Midwest Metallic	Weather Roof III	22 ga steel	150	3130lb	B	1565lb	
S-5-U	NCI/Midwest Metallic	Weather Roof III	24 ga steel	115	2453lb	B	1227lb	
S-5-U	New Tech Machinery	FF 100 1"	24 ga steel	115	696lb	A	348lb	
S-5-U	New Tech Machinery	S5 550 Snap	24 ga steel	115	1838lb	B	919lb	

S-5-U	New Tech Machinery	SS 210A (Armco Style) 2"	22 ga steel	150	2280lb	B/F	1140lb	
S-5-U	New Tech Machinery	SS 210A (Armco Style) 2"	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	New Tech Machinery	SS 675 Snap Lock	22 ga steel	115	1300lb	B	650lb	
S-5-U	New Tech Machinery	SS 675 Snap Lock 1-3/4	24 ga steel	115	2349lb	B	1175lb	
S-5-U	Nucor Building Systems	CFR Vise Lock 180 Seam	24 ga steel	115	1662lb	B	831lb	
S-5-U	Nucor Building Systems	CFR Vise Lock 360 Seam	24 ga steel	115	1841lb	B	921lb	
S-5-U	Petersen Aluminum Corp	Redi Roof	24 ga steel	115	1795lb	B/F	898lb	
S-5-U	Petersen Aluminum Corp	Snap Clad	22 ga steel	150	3167lb	B	1584lb	
S-5-U	Petersen Aluminum Corp	Snap Clad	24 ga steel	115	2774lb	B/F	1387lb	
S-5-U	Petersen Aluminum Corp	Snap-On Standing Seam	.032 alum	115	802lb	A/B	401lb	2
S-5-U	Petersen Aluminum Corp	Snap-On Standing Seam	.040 alum	115	713lb	A/B	357lb	2
S-5-U	Petersen Aluminum Corp	Snap-On Standing Seam	24 ga steel	115	748lb	A/B	374lb	2
S-5-U	Petersen Aluminum Corp	Tite-Loc	22 ga steel	150	2280lb	B/F	1140lb	
S-5-U	Petersen Aluminum Corp	Tite-Loc	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	Petersen Aluminum Corp	Tite-Loc Plus	22 ga steel	150	2285lb	B	1143lb	
S-5-U	Petersen Aluminum Corp	Tite-Loc Plus	24 ga steel	115	1779lb	B	890lb	
S-5-U	Rheinzink	1" df ss	.7mm zinc	115	1085lb	B/F	543lb	
S-5-E	Rheinzink	1" df ss	.7mm zinc	115	1246lb	B/F	623lb	
S-5-U	Rheinzink	1" df ss	.8mm zinc	115	1262lb	B/F	631lb	
S-5-E	Rheinzink	1" df ss	.8mm zinc	115	1672lb	B/F	836lb	
S-5-U	Star	Starshield	22 ga steel	150	2047lb	B	1024lb	
S-5-U	Star	Starshield	24 ga steel	115	1519lb	B	760lb	
S-5-U	Steel Span, Inc.	Architectural	22 ga steel	150	2280lb	B/F	1140lb	
S-5-U	Steel Span, Inc.	Architectural	24 ga steel	115	2056lb	B/F	1028lb	
S-5-U	Steel Span, Inc.	Trapezoidal	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Steel Span, Inc.	Trapezoidal	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Steelco	Barrier Roof Panels	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Steelco	Barrier Roof Panels	24 ga steel	115	2668lb	B	1334lb	

S-5-U	Steelco	Sur-Lock	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Steelco	Sur-Lock	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Taylor Metal	Easy Lock Standing Seam	24 ga steel	115	1400lb	B	700lb	
S-5-U	Tomen Building Components	No 305 Panel	24 ga steel	115	1721lb	B/F	861lb	
S-5-E	Umicore	Zinc 0.7mm	0.7mm	115	1480lb	B/F	740lb	
S-5-E	Umicore	Zinc 0.8mm	0.8mm	115	1630lb	B/F	815lb	
S-5-E	Una-Clad	UC3	24 ga steel	115	1568lb	F	784lb	
S-5-U	Una-Clad	UC4	24 ga steel	115	1883lb	B/F	942lb	
S-5-U	Una-Clad	UC6	24 ga steel	115	1720lb	B/F	860lb	
S-5-U	United Structures of America	Guardian I	22 ga steel	150	2725lb	B	1363lb	
S-5-U	United Structures of America	Guardian I	24 ga steel	115	2668lb	B	1334lb	
S-5-U	United Structures of America	Guardian II	22 ga steel	150	3130lb	B	1565lb	
S-5-U	United Structures of America	Guardian II	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Varco Pruden	SSR	24 ga steel	115	2574lb	B	1287lb	
S-5-U	Whirlwind Building Systems	Super Seam II	22 ga steel	150	2725lb	B	1363lb	
S-5-U	Whirlwind Building Systems	Super Seam II	24 ga steel	115	2668lb	B	1334lb	
S-5-U	Whirlwind Building Systems	Super Seam Plus	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Whirlwind Building Systems	Super Seam Plus	24 ga steel	115	2453lb	B	1227lb	
S-5-U	Zamil Steel Industries	Max Seam	22 ga steel	150	3130lb	B	1565lb	
S-5-U	Zamil Steel Industries	Max Seam	24 ga steel	115	2453lb	B	1227lb	

NOTE:

1. Caution: Note set screw tension to avoid damage to panel profile.
2. Caution: These are cap-seam type profiles. The cap of this profile should be mechanically fastened to the seam somewhere along its length with one lap tek.
3. \*Failure: For the purpose of this test, any of the following occurrences shall be considered “failure”:
  - a. Disengagement of clamp from panel seam

- b. Clamp displacement of a distance of more than 8 Millimeters (.315”)
- c. Breakage or fracturing of clamp or fasteners
- d. Stripping of the clamp set screws
- e. Fracturing of any area of panel seam
- f. Buckling or any other structural or severe cosmetic damage to panel seam

The above table represents tensile loads applied to the clamp in a direction parallel to the panel seam. Panels must be attached to the structure adequately to resist these loads. Allowable loads listed utilizing a factor of safety of two are provided for user convenience. Actual factor of safety is the responsibility of the designer and should be employed as appropriate.

All above values are highly dependent upon setscrew tension. Load testing of S-5!™ clamps is done with setscrews tensioned at 115 inch pounds (24 gauge steel and all other metals) or 150 inch pounds (22 gauge steel profiles). When relying upon published load values, for maximum holding strength, setscrews should be tensioned and re-tensioned as the seam material compresses. Screw tension should be verified using a calibrated torque wrench between 160 and 180 inch pounds when used on 22ga steel and between 130 and 150 inch pounds for all other metals and thinner gauges of steel.

\*If you have any questions about the above data, please contact LMCurbs at 1-800-284-1412 or refer to our website [www.lmcurbs.com](http://www.lmcurbs.com).

