KAUFMAN

PRODUCT INFORMATION

KAUFMAN PRODUCTS INC. 3811 CURTIS AVENUE BALTIMORE, MARYLAND 21226-1131 410-354-8600 800-637-6372
www.kaufmanproducts.net

Ultimate Load Capacities and Allowable Loads for *Reinforcing Bars* used with SurePoxy High Modulus Systems (116/117, HM, HMLV, HM GEL, HM SLV, SurePoxy GROUT, HM EPL

4,000 psi Concrete

Rebar Size	Hole Size (inches)	Embed. Depth (Inches)	Tension Load (Pounds)	Allowable Bond Strength (Pounds)	UBC Allowable Tensile Stress		Approx. Anchors Per 22 oz. cartridge	Approx. Anchors Per Gal.
					Grade 40 Rebar (Pounds)	Yield Grade 60 (Pounds)		
No. 4	5/8	4-1/2	18,395	4,600	4,000	12,000	62	360
No. 5	¾	5-5/8	29,485	7,370	6,200	18,600	40	352
No. 6	7/8	6-3/4	42,410	10,605	8,800	26,400	29	168
No. 6	7/8	9	54,940	13,335	8,800	22,400	20	116
No. 7	1	7-7/8	54,655	13,665	12,000	36,000	19	110
No. 8	1-1/8	9	72,440	18,110	15,800	47,400	15	87
No. 9	1-3/8	10-1/8	96,045	24,010	20,000	60,000	6.6	38
No. 10	1-1/2	11-1/4	116,080	29,020	25,400	76,200	5.7	33
No. 11	1-5/8	12-3/8	137,980	34,495	28,200	84,600	5	29

The allowable bond strength is ¼ of the tension load based on using a factor of 4. The allowable tension load should be the lesser of the allowable bond or steel strength. The actual number of anchors may vary due to jobsite installation procedures and waste. The above strengths are based on 4000 psi. concrete. Using 6000 psi. concrete will increase ultimate strengths by approximately 10%. Greater embedment depths will increase ultimate bond strength proportional to increased depth. (50% greater depth will increase ultimate bond strength by 50%) Jobsite tests should be conducted in order to verify anchor performance.

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved detective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall haye no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salesmen. distributors and their salesmen have no authority to change the printed recommendations concerning the use of our products.

Ultimate Load Capacities and Allowable Loads for *Threaded Rod* used with SurePoxy High Modulus Systems (116/117, HM, HMLV, HM GEL, HM SLV, SurePoxy GROUT, HM EPL

Ultimate Load Capacities and Allowable Loads for *Threaded Rod* Bonded with SurePoxy 116/117

4,000 psi. Concrete

Anchor Size (Inches)	Hole Size (Inches)	Embed. Depth (Inches)	Tension Load (Pounds)	Allowable Bond Strength (Pounds)	UBC Allowable Tensile Stress			Approx. Anchors Per 22 oz. cartridge	Approx. Anchors Per Gal.
					A307 Steel (Pounds)	A325 Steel (Pounds)	304 SS Steel (Pounds)		
3/8	7/16	1-1/2	4,780	1,195	2,200	4,840	1,760	281	1,632
		2-1/4	6,695	1,675				190	1,104
		3-3/8	9,085	2,270				134	778
		4-1/2	11,340	2,835				94	546
½	9/16	2	7,885	1,970	3,920	8,625	3,135	149	865
		3	11,365	2,840				99	575
		4-1/2	17,435	4,360				66	383
		6	19,700	4,925				50	290
5/8	¾	2-1/2	9,960	2,490	6,140	13,510	4,910	61	354
		3-3/4	15,845	3,960				41	238
		5-5/8	30,175	7,545				28	163
		7-1/2	31,605	7,900				20	116
¾	7/8	3	10,345	2,585	8,840	19,450	7,070	41	238
		4-1/2	18,550	4,640				28	163
		6-3/4	38,935	9,735				18	105
		9	44,475	11,120				13	75
7/8	1	3-1/2	18,930	4,730	12,020	26,445	9,615	29	168
		5-1/4	34,010	8,505				20	116
		7-7/8	42,385	10,595				13	75
		10-1/2	63,560	15,890				10	58
1	1-1/8	4	25,495	6,375	15,700	34,540	12,560	21	122
		6	38,510	9,630				14	82
		9	59,555	14,890				9	52
		12	80,605	20,150				6	35
1-1/4	1-3/8	5	40,785	10,195	24,540	53,990	19,630	12	70
		7-1/2	61,180	15,295				9	52
		11-1/4	91,765	22,940				6	35
		15	122,355	30,590				5	29
1-3/8	1-1/2	5-1/2	48,800	12,200	29,700	65,340	23,760	10	58
		8-1/4	73,200	18,300				7	41
		12-3/8	109,800	27,450				5	29
		16-1/2	146,395	36,600				3	17

The allowable bond strength is ¼ of the tension load based on using a factor of 4. The allowable tension load should be the lesser of the allowable bond or steel strength. The actual number of anchors may vary due to jobsite installation procedures and waste. The above strengths are based on 4000 psi. concrete. Using 6000 psi. concrete will increase ultimate strengths by approximately 10%. Greater embedment depths will increase ultimate bond strength proportional to increased depth. (50% greater depth will increase ultimate bond strength by 50%).