

Table 4-4 (continued)
Available Strength in
Axial Compression, kips
Square HSS

$F_y = 46 \text{ ksi}$



Shape		HSS6×6×									
		$\frac{3}{16}$		$\frac{1}{2}$		$\frac{3}{4}$		1		$1\frac{1}{2}$	
t_{design} , in.		0.349		0.291		0.233		0.174		0.116	
lb/ft		27.5		23.3		19.0		14.5		9.86	
Design		P_n/Ω_c		$\phi_c P_n$		P_n/Ω_c		$\phi_c P_n$		P_n/Ω_c	
		ASD	LRFD	ASD	LRFD	ASD	LRFD	ASD	LRFD	ASD	LRFD
Effective length, K_L (ft), with respect to least radius of gyration, r_y	0	209	314	177	266	144	217	110	165	59.6	89.6
	6	195	293	166	249	135	204	103	155	57.8	86.8
	7	191	286	162	244	132	199	101	151	57.1	85.8
	8	185	279	158	237	129	194	98.2	148	56.3	84.6
	9	180	270	153	230	125	188	95.3	143	55.4	83.3
	10	173	260	148	222	121	182	92.3	139	54.4	81.8
	11	167	250	142	214	117	175	89.0	134	53.3	80.1
	12	160	240	136	205	112	168	85.5	129	52.1	78.3
	13	152	229	130	196	107	161	81.9	123	50.7	76.2
	14	145	218	124	187	102	153	78.2	118	49.3	74.0
	15	137	206	118	177	96.9	146	74.4	112	47.7	71.6
	16	130	195	111	167	91.8	138	70.5	106	46.0	69.1
	17	122	183	105	158	86.6	130	66.6	100	44.1	66.3
	18	114	172	98.4	148	81.4	122	62.7	94.2	42.2	63.4
	19	107	160	92.0	138	76.2	115	58.8	88.4	40.1	60.2
	20	99.1	149	85.7	129	71.1	107	55.0	82.7	37.7	56.7
	21	91.8	138	79.5	120	66.2	99.4	51.2	77.0	35.2	52.9
	22	84.7	127	73.6	111	61.3	92.1	47.6	71.5	32.7	49.2
	23	77.8	117	67.7	102	56.6	85.1	44.0	66.2	30.3	45.6
	24	71.4	107	62.2	93.5	52.0	78.1	40.5	60.9	27.9	42.0
	25	65.8	98.9	57.3	86.1	47.9	72.0	37.3	56.1	25.8	38.7
	26	60.8	91.4	53.0	79.6	44.3	66.6	34.5	51.9	23.8	35.8
	27	56.4	84.8	49.1	73.8	41.1	61.7	32.0	48.1	22.1	33.2
	28	52.5	78.8	45.7	68.7	38.2	57.4	29.8	44.7	20.5	30.9
	29	48.9	73.5	42.6	64.0	35.6	53.5	27.7	41.7	19.1	28.8
	30	45.7	68.7	39.8	59.8	33.3	50.0	25.9	39.0	17.9	26.9
	32	40.2	60.4	35.0	52.6	29.2	44.0	22.8	34.2	15.7	23.6
	34	35.6	53.5	31.0	46.6	25.9	38.9	20.2	30.3	13.9	20.9
	36	31.7	47.7	27.6	41.5	23.1	34.7	18.0	27.1	12.4	18.7
	38	28.5	42.8	24.8	37.3	20.7	31.2	16.2	24.3	11.1	16.8
Properties											
A_g , in. ²		7.58		8.43		9.24		9.98		10.70	
$I_y = I_z$, in. ⁴		39.5		44.3		48.6		52.3		55.5	
$r_y = r_z$, in.		2.28		2.31		2.34		2.37		2.39	
ASD		LRFD		* Shape is slender for compression with $F_y = 46$ ksi.							
$\Omega_c = 1.67$		$\phi_c = 0.90$									

Aisc Metric Manual

Michael R. Lindeburg



Aisc Metric Manual:

Structural Design James R. Underwood, Michele Chiuini, 2011-11-07 Written for the practicing architect Structural Design addresses the process on both a conceptual and a mathematical level Most importantly it helps architects work with structural consultants and understand all the necessary considerations when designing structural systems Using a minimum of simple math this book shows you how to make correct design calculations for structures made from steel wood concrete and masonry What's more this edition has been completely updated to reflect the latest design methods and codes including LRFD for steel design The book was also re designed for easy navigation Essential principles as well as structural solutions are visually reinforced with hundreds of drawings photographs and other illustrations making this book truly architect friendly *Modern Steel Construction*, 2009

Using the Engineering Literature Bonnie A. Osif, 2016-04-19 With the encroachment of the Internet into nearly all aspects of work and life it seems as though information is everywhere However there is information and then there is correct appropriate and timely information While we might love being able to turn to Wikipedia for encyclopedia like information or search Google for the thousands of links *Guide to Application of the 1991 NEHRP Recommended Provisions in Earthquake-Resistant Building Design* James R. Harris, 1996-07 Provides architects designing buildings in seismic risk areas with the information needed to effectively utilize the National earthquake Hazards Reduction program NEHRP Recommended Provisions Rigorously updated this manual includes the best most current technological information for reducing safety hazards Chapter topics include fundamentals structural analysis structural steel reinforced concrete timber masonry nonstructural elements List of symbols Metric unit conversion tables Graphs charts

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Shipbuilding United States. Maritime Administration. National Shipbuilding Research Program,1993 *Statics and Strength*
of Materials for Architecture and Building Construction Barry Onouye, Kevin Kane, 2007 Taking a visually oriented approach
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 in an easily understood manner The authors introduce structural theory without relying on calculus Instead using building
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different applications. The. Precision Speed Control of A DC Motor Using Fuzzy Logic ... Precision Speed Control of A DC Motor Using Fuzzy Logic Controller Optimized by ... Universiti Teknologi Malaysia, ACKNOWLEDGMENT Johor, Malaysia, in 2011. He ... DC Motor Control | Automation & Control Engineering Forum Jun 20, 2022 — I have a 1 HP DC motor that I'm currently manually controlling using a Dayton 1F792 DC Speed Control unit. I want to automate the following ... Sylphy Owner Manual EN.pdf This manual was prepared to help you understand the operation and maintenance of your vehicle so that you may enjoy many kilometers (miles) of driving pleasure. Nissan Bluebird Sylphy 2006 Owners Manual Apr 2, 2016 — Check Pages 1-4 of Nissan Bluebird Sylphy 2006 Owners Manual - raftpigenta in the flip PDF version. Nissan Bluebird Sylphy 2006 Owners ... NISSAN BLUEBIRD SYLPHY 2006 OWNERS MANUAL Nissan Bluebird Sylphy 2006 Owners Manual Startup Handbook. NISSAN BLUEBIRD SYLPHY 2006 OWNERS MANUAL. DOWNLOAD: NISSAN BLUEBIRD SYLPHY 2006 OWNERS MANUAL. Vehicle_Gen_GOM_Nissan_PRI... Welcome to the growing family of new NISSAN owners. This vehicle has been delivered to you with confidence. It has been produced using the latest. Nissan Bluebird Sylphy 2006 Owners Manual - raftpigenta Apr 2, 2016 — Nissan Bluebird Sylphy 2006 Owners Manual >>>CLICK HERE<<<And unlike traditional printed service manuals that can be easily lost orFormat : PDF. Nissan - Bluebird Sylphy car owners user manual in English Nissan - Bluebird Sylphy G11 auto user manual in English | 2005 - 2012. Owners handbook for the Japanese Import model G11. Brand new item. This 277 page ... User Guide NISSAN Bluebird Sylphy 2006 G11 User Guide NISSAN Bluebird Sylphy 2006 G11 ... Import duties (if any) are not included in the price because its different from country to country and must be ... NISSAN Bluebird Sylphy I Saloon (G10, N16) manuals NISSAN Bluebird Sylphy I Saloon (G10, N16) maintenance and PDF repair manuals with illustrations · Engines currently produced 1.5, 1.6, 1.8, 1.8 4WD, 2.0 · Max. Nissan Bluebird Sylphy - Transmission rebuild manuals Here you can download Nissan Bluebird Sylphy automatic transmission rebuild manuals, schemes, diagrams, fluid type and capacity information. SOLVED: Where can I get a FREE owner's manual for a 2006 Feb 26, 2011 — Where can I get a FREE owner's manual for a 2006 Nissan Bluebird Sylphy 2.0? - Nissan 2006 Altima question.