










BARRAS DE AÇO CARBONO				
REDONDAS, QUADRADAS E SEXTAVADAS (Kg/m)				
Dimensões				
Polegadas	mm			
1/4"	6,35	0,25	0,32	0,27
5/16"	7,94	0,39	0,49	0,43
3/8"	9,53	0,56	0,71	0,62
7/16"	11,11	0,76	0,97	0,84
1/2"	12,70	0,99	1,22	1,10
9/16"	14,29	1,26	1,60	1,39
5/8"	15,87	1,55	1,98	1,71
11/16"	17,46	1,88	2,39	2,07
3/4"	19,05	2,24	2,85	2,46
13/16"	20,64	2,62	3,34	2,89
7/8"	22,22	3,04	3,87	3,35
15/16"	23,81	3,49	4,45	3,85
1 "	25,40	3,97	5,06	4,38
1 1/16"	26,99	4,49	5,71	4,95
1 1/8"	28,57	5,03	6,40	5,55
1 3/16"	30,16	5,60	7,14	6,18
1 1/4"	31,75	6,21	7,91	6,58
1 5/16"	33,34	6,85	8,72	7,55
1 3/8"	34,92	7,51	9,57	8,29
1 7/16"	36,51	8,21	10,46	9,06
1 1/2"	38,10	8,94	11,39	9,86
1 9/16"	39,69	9,70	12,35	10,70
1 5/8"	41,27	10,49	13,36	11,57
1 11/16"	42,86	11,32	14,41	12,48
1 3/4"	44,45	12,17	15,50	13,42
1 13,16"	46,04	13,06	16,62	14,40
1 7/8"	47,62	13,97	17,79	15,41
1 15/16"	49,21	14,92	18,99	16,45
2 "	50,80	15,90	20,24	17,53
2 1/16"	52,39	16,91	21,52	18,64
2 1/8"	53,97	17,95	22,85	19,79
2 3/16"	55,56	19,02	24,21	20,97
2 1/4"	57,15	20,12	25,62	22,19
2 5/16"	58,74	21,25	27,06	23,44
2 3/8"	60,32	22,42	28,54	24,72
2 7/16"	61,91	23,61	30,06	26,03
2 1/2"	63,50	24,84	31,62	27,38
2 9/16"	65,09	26,10	33,22	28,78
2 5/8"	66,67	27,38	37,87	30,19
2 11/16"	68,26	28,70	36,55	31,67
2 3/4"	69,85	30,05	38,27	33,14
2 13,16"	71,44	31,44	40,02	34,22
2 7/8"	73,02	32,85	41,82	36,22
2 15/16"	74,61	34,29	43,66	37,81
3 "	76,20	35,77	45,54	39,43
3 1/8"	79,38	38,81	49,41	42,79
3 1/4"	82,55	41,88	53,44	46,34
3 3/8"	85,73	45,27	57,63	49,98
3 1/2"	88,90	48,68	61,98	53,74
3 5/8"	92,08	52,22	66,49	57,66
3 3/4"	95,25	55,88	71,15	61,69
3 7/8"	98,43	60,67	75,98	65,88
4 "	101,60	63,58	80,96	70,12

VIGA "U"					
					
B	x	A	ALMA	E (mm)	Kg/m
3"	x	1.1/2"	1"	4,32	6,11
			2"	6,55	7,44
			3"	9,04	8,93
4"	x	1.5/8"	1"	4,57	7,95
			2"	6,27	9,30
			3"	8,13	10,80
6"	x	2"	1"	5,08	12,20
			2"	7,98	15,60
			3"	11,10	19,40
			4"	14,20	23,10
8"	x	2.1/4"	1"	5,59	17,10
			2"	7,70	20,50
			3"	10,03	24,20
			4"	12,37	27,90
10"	x	2.5/8"	1"	6,10	22,70
			2"	9,63	29,80
			3"	13,40	37,20
			4"	17,10	44,70

VIGA "I"					
					
A	x	B	ALMA	E (mm)	Kg/m
3"	x	2.3/8"	1"	4,32	8,45
			2"	6,38	9,68
			3"	8,86	11,20
4"	x	2.5/8"	1"	4,83	11,40
			2"	6,43	12,70
			3"	8,28	14,10
			4"	10,16	15,60
5"	x	3"	1"	5,33	14,80
			2"	8,81	18,20
			3"	12,55	22,00
6"	x	3.3/8"	1"	5,84	18,50
			2"	8,71	22,00
			3"	11,81	25,70
8"	x	4"	1"	6,86	28,30
			2"	8,86	30,50
			3"	11,20	34,30
			4"	13,51	38,00
10"	x	4.5/8"	1"	7,90	37,70
			2"	11,40	44,70
			3"	15,10	52,10
			4"	18,80	59,60

PESO ESPECÍFICO – 7,85 Kg/dm³ - AÇOS RÁPIDOS MAIS 10%
1 POLEGADA 25,40 mm. 1 PÉ : 12 POLEGADAS: 305 mm