

FLAT BARS



		Width b [mm]																			
		20	25	30	35	40	50	60	70	80											
Thickness a [mm]	5	0,785	0,981	1,178	1,374	1,570	1,963	2,355	2,748	3,140											
	6	0,942	1,178	1,413	1,649	1,884	2,355	2,826	3,297	3,768											
	7	1,099	1,374	1,649	1,923	2,198	2,748	3,297	3,847	4,396											
	8	1,256	1,570	1,884	2,198	2,512	3,140	3,768	4,396	5,024											
	9	1,413	1,766	2,120	2,473	2,826	3,533	4,239	4,946	5,652											
	10	1,570	1,963	2,355	2,748	3,140	3,925	4,710	5,495	6,280											
	11	1,727	2,159	2,591	3,022	3,454	4,318	5,181	6,045	6,908											
	12	1,884	2,355	2,826	3,297	3,768	4,710	5,652	6,594	7,536											
	13	2,041	2,551	3,062	3,572	4,082	5,103	6,123	7,144	8,164											
	14	2,198	2,748	3,297	3,847	4,396	5,495	6,594	7,693	8,792											
	15	2,355	2,944	3,533	4,121	4,710	5,888	7,065	8,243	9,420											
	16	2,512	3,140	3,768	4,396	5,024	6,280	7,536	8,792	10,048											
	17	2,669	3,336	4,004	4,671	5,338	6,673	8,007	9,342	10,676											
	18	2,826	3,533	4,239	4,946	5,652	7,065	8,478	9,891	11,304											
	19		3,729	4,475	5,220	5,966	7,458	8,949	10,441	11,932											
	20		3,925	4,710	5,495	6,280	7,850	9,420	10,990	12,560											
	21			4,946	5,770	6,594	8,243	9,891	11,540	13,188											
	22			5,181	6,045	6,908	8,635	10,362	12,089	13,816											
	23				5,417	6,319	7,222	9,028	10,833	12,639	14,444										
	24				5,652	6,594	7,536	9,420	11,304	13,188	15,072										
25					5,888	6,869	7,850	9,813	11,775	13,738	15,700										
26						7,144	8,164	10,205	12,246	14,287	16,328										
27						7,418	8,478	10,598	12,717	14,837	16,956										
28						7,693	8,792	10,990	13,188	15,386	17,584										
29						7,968	9,106	11,383	13,659	15,936	18,212										
30							8,243	9,420	11,775	14,130	16,485	18,840									
31								9,734	12,168	14,601	17,035	19,468									
32									10,048	12,560	15,072	17,584	20,096								
33									10,362	12,953	15,543	18,134	20,724								
34										10,676	13,345	16,014	18,683	21,352							
35											13,738	16,485	19,233	21,980							
36												14,130	16,956	19,782	22,608						
37													14,523	17,427	20,332	23,236					
38														14,915	17,898	20,881	23,864				
39															15,308	18,369	21,431	24,492			
40																15,700	18,840	21,980	25,120		
45																	21,195	24,728	28,260		
50																		23,550	27,475	31,400	
55																			30,223	34,540	
60																				32,970	37,680
65																					40,820
70																					43,960

FLAT BARS



Thickness a [mm]	Width b [mm]						
	90	100	110	120	130	140	150
5	3,533	3,925	4,318	4,710	5,103	5,495	5,888
6	4,239	4,710	5,181	5,652	6,123	6,594	7,065
7	4,946	5,495	6,045	6,594	7,144	7,693	8,243
8	5,652	6,280	6,908	7,536	8,164	8,792	9,420
9	6,359	7,065	7,772	8,478	9,185	9,891	10,598
10	7,065	7,850	8,635	9,420	10,205	10,990	11,775
11	7,772	8,635	9,499	10,362	11,226	12,089	12,953
12	8,478	9,420	10,362	11,304	12,246	13,188	14,130
13	9,185	10,205	11,226	12,246	13,267	14,287	15,308
14	9,891	10,990	12,089	13,188	14,287	15,386	16,485
15	10,598	11,775	12,953	14,130	15,308	16,485	17,663
16	11,304	12,560	13,816	15,072	16,328	17,584	18,840
17	12,011	13,345	14,680	16,014	17,349	18,683	20,018
18	12,717	14,130	15,543	16,956	18,369	19,782	21,195
19	13,424	14,915	16,407	17,898	19,390	20,881	22,373
20	14,130	15,700	17,270	18,840	20,410	21,980	23,550
21	14,837	16,485	18,134	19,782	21,431	23,079	24,728
22	15,543	17,270	18,997	20,724	22,451	24,178	25,905
23	16,250	18,055	19,861	21,666	23,472	25,277	27,083
24	16,956	18,840	20,724	22,608	24,492	26,376	28,260
25	17,663	19,625	21,588	23,550	25,513	27,475	29,438
26	18,369	20,410	22,451	24,492	26,533	28,574	30,615
27	19,076	21,195	23,315	25,434	27,554	29,673	31,793
28	19,782	21,980	24,178	26,376	28,574	30,772	32,970
29	20,489	22,765	25,042	27,318	29,595	31,871	34,148
30	21,195	23,550	25,905	28,260	30,615	32,970	35,325
31	21,902	24,335	26,769	29,202	31,636	34,069	36,503
32	22,608	25,120	27,632	30,144	32,656	35,168	37,680
33	23,315	25,905	28,496	31,086	33,677	36,267	38,858
34	24,021	26,690	29,359	32,028	34,697	37,366	40,035
35	24,728	27,475	30,223	32,970	35,718	38,465	41,213
36	25,434	28,260	31,086	33,912	36,738	39,564	42,390
37	26,141	29,045	31,950	34,854	37,759	40,663	43,568
38	26,847	29,830	32,813	35,796	38,779	41,762	44,745
39	27,554	30,615	33,677	36,738	39,800	42,861	45,923
40	28,260	31,400	34,540	37,680	40,820	43,960	47,100
45	31,793	35,325	38,858	42,390	45,923	49,455	52,988
50	35,325	39,250	43,175	47,100	51,025	54,950	58,875
55	38,858	43,175	47,493	51,810	56,128	60,445	64,763
60	42,390	47,100	51,810	56,520	61,230	65,940	70,650
65	45,923	51,025	56,128	61,230	66,333	71,435	76,538
70	49,455	54,950	60,445	65,940	71,435	76,930	82,425

WIDE FLAT BARS



	Width b [mm]										
	160	170	180	200	220	250	300	350	400	450	500
5	6,280	6,673	7,065	7,850	8,635	9,813	11,775	13,738	15,700	17,663	19,625
6	7,536	8,007	8,478	9,420	10,362	11,775	14,130	16,485	18,840	21,195	23,550
7	8,792	9,342	9,891	10,990	12,089	13,738	16,485	19,233	21,980	24,728	27,475
8	10,048	10,676	11,304	12,560	13,816	15,700	18,840	21,980	25,120	28,260	31,400
9	11,304	12,011	12,717	14,130	15,543	17,663	21,195	24,728	28,260	31,793	35,325
10	12,560	13,345	14,130	15,700	17,270	19,625	23,550	27,475	31,400	35,325	39,250
12	15,072	16,014	16,956	18,840	20,724	23,550	28,260	32,970	37,680	42,390	47,100
14	17,584	18,683	19,782	21,980	24,178	27,475	32,970	38,465	43,960	49,455	54,950
16	20,096	21,352	22,608	25,120	27,632	31,400	37,680	43,960	50,240	56,520	62,800
18	22,608	24,021	25,434	28,260	31,086	35,325	42,390	49,455	56,520	63,585	70,650
20	25,120	26,690	28,260	31,400	34,540	39,250	47,100	54,950	62,800	70,650	78,500
22	27,632	29,359	31,086	34,540	37,994	43,175	51,810	60,445	69,080	77,715	86,350
25	31,400	33,363	35,325	39,250	43,175	49,063	58,875	68,688	78,500	88,313	98,125
27	33,912	36,032	38,151	42,390	46,629	52,988	63,585	74,183	84,780	95,378	105,975
30	37,680	40,035	42,390	47,100	51,810	58,875	70,650	82,425	94,200	105,975	117,750
35	43,960	46,708	49,455	54,950	60,445	68,688	82,425	96,163	109,900	123,638	137,375
40	50,240	53,380	56,520	62,800	69,080	78,500	94,200	109,900	125,600	141,300	157,000
45	56,520	60,053	63,585	70,650	77,715	88,313	105,975	123,638	141,300	158,963	176,625
50	62,800	66,725	70,650	78,500	86,350	98,125	117,750	137,375	157,000	176,625	196,250
55	69,080	73,398	77,715	86,350	94,985	107,938	129,525	151,113	172,700	194,288	215,875
60	75,360	80,070	84,780	94,200	103,620	117,750	141,300	164,850	188,400	211,950	235,500
65	81,640	86,743	91,845	102,050	112,255	127,563	153,075	178,588	204,100	229,613	255,125
70	87,920	93,415	98,910	109,900	120,890	137,375	164,850	192,325	219,800	247,275	274,750
75	94,200	100,088	105,975	117,750	129,525	147,188	176,625	206,063	235,500	264,938	294,375
80	100,480	106,760	113,040	125,600	138,160	157,000	188,400	219,800	251,200	282,600	314,000
85	106,760	113,433	120,105	133,450	146,795	166,813	200,175	233,538	266,900	300,263	333,625
90	113,040	120,105	127,170	141,300	155,430	176,625	211,950	247,275	282,600	317,925	353,250
95	119,320	126,778	134,235	149,150	164,065	186,438	223,725	261,013	298,300	335,588	372,875
100	125,600	133,450	141,300	157,000	172,700	196,250	235,500	274,750	314,000	353,250	392,500