

COMPARISON TABLES - REINFORCING BARS & WELDED WIRE REINFORCEMENT

Rebar @ 60,000 psi and Welded Wire Reinforcement @ 60,000 psi

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF As/ LF	WWF #/CSF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.		
#3 @ 4"	0.330	113	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	-	0.330	113
#3 @ 5"	0.264	90	4.4	8.8	13.2	17.6	22.0	26.4	30.8	35.2	39.6	0.264	90
#3 @ 6"	0.220	75	3.7	7.3	11.0	14.7	18.3	22.0	25.7	29.3	33.0	0.220	75
#3 @ 7"	0.189	64	3.1	6.3	9.4	12.6	15.7	18.9	22.0	25.1	28.3	0.189	64
#3 @ 8"	0.165	56	2.8	5.5	8.3	11.0	13.8	16.5	19.3	22.0	24.8	0.165	56
#3 @ 9"	0.147	50	2.4	4.9	7.3	9.8	12.2	14.7	17.1	19.6	22.0	0.147	50
#3 @ 10"	0.132	45	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8	0.132	45
#3 @ 11"	0.120	41	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	0.120	41
#3 @ 12"	0.110	38	1.8	3.7	5.5	7.3	9.2	11.0	12.8	14.7	16.5	0.110	38
#3 @ 13"	0.102	35	1.7	3.4	5.1	6.8	8.5	10.2	11.8	13.5	15.2	0.102	35
#3 @ 14"	0.094	32	1.6	3.1	4.7	6.3	7.9	9.4	11.0	12.6	14.1	0.094	32
#3 @ 15"	0.088	30	1.5	2.9	4.4	5.9	7.3	8.8	10.3	11.7	13.2	0.088	30
#3 @ 16"	0.083	28	1.4	2.8	4.1	5.5	6.9	8.3	9.6	11.0	12.4	0.083	28
#3 @ 17"	0.078	27	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.6	0.078	27
#3 @ 18"	0.073	25	1.2	2.4	3.7	4.9	6.1	7.3	8.6	9.8	11.0	0.073	25

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF As/ LF	WWF #/CSF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.		
#4 @ 4"	0.600	200	10.0	20.0	30.0	40.0	-	-	-	-	-	0.600	200
#4 @ 5"	0.480	160	8.0	16.0	24.0	32.0	40.0	-	-	-	-	0.480	160
#4 @ 6"	0.400	134	6.7	13.3	20.0	26.7	33.3	40.0	-	-	-	0.400	134
#4 @ 7"	0.343	114	5.7	11.4	17.1	22.9	28.6	34.3	40.0	45.7	-	0.343	114
#4 @ 8"	0.300	100	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	0.300	100
#4 @ 9"	0.267	89	4.4	8.9	13.3	17.8	22.2	26.7	31.1	35.6	40.0	0.267	89
#4 @ 10"	0.240	80	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	0.240	80
#4 @ 11"	0.218	73	3.6	7.3	10.9	14.5	18.2	21.8	25.5	29.1	32.7	0.218	73
#4 @ 12"	0.200	67	3.3	6.7	10.0	13.3	16.7	20.0	23.3	26.7	30.0	0.200	67
#4 @ 13"	0.185	62	3.1	6.2	9.2	12.3	15.4	18.5	21.5	24.6	27.7	0.185	62
#4 @ 14"	0.171	57	2.9	5.7	8.6	11.4	14.3	17.1	20.0	22.9	25.7	0.171	57
#4 @ 15"	0.160	53	2.7	5.3	8.0	10.7	13.3	16.0	18.7	21.3	24.0	0.160	53
#4 @ 16"	0.150	50	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	0.150	50
#4 @ 17"	0.141	47	2.4	4.7	7.1	9.4	11.8	14.1	16.5	18.8	21.2	0.141	47
#4 @ 18"	0.133	45	2.2	4.4	6.7	8.9	11.1	13.3	15.6	17.8	20.0	0.133	45

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF As/ LF	WWF #/CSF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.		
#5 @ 4"	0.930	313	15.5	31.0	-	-	-	-	-	-	-	0.930	313
#5 @ 5"	0.744	250	12.4	24.8	37.2	-	-	-	-	-	-	0.744	250
#5 @ 6"	0.620	209	10.3	20.7	31.0	41.3	-	-	-	-	-	0.620	209
#5 @ 7"	0.531	179	8.9	17.7	26.6	35.4	44.3	-	-	-	-	0.531	179
#5 @ 8"	0.465	156	7.8	15.5	23.3	31.0	38.8	-	-	-	-	0.465	156
#5 @ 9"	0.413	139	6.9	13.8	20.7	27.6	34.4	41.3	-	-	-	0.413	139
#5 @ 10"	0.372	125	6.2	12.4	18.6	24.8	31.0	37.2	43.4	-	-	0.372	125
#5 @ 11"	0.338	114	5.6	11.3	16.9	22.5	28.2	33.8	39.5	45.1	-	0.338	114
#5 @ 12"	0.310	104	5.2	10.3	15.5	20.7	25.8	31.0	36.2	41.3	-	0.310	104
#5 @ 13"	0.286	96	4.8	9.5	14.3	19.1	23.9	28.6	33.4	38.2	42.9	0.286	96
#5 @ 14"	0.266	89	4.4	8.9	13.3	17.7	22.1	26.6	31.0	35.4	39.9	0.266	89
#5 @ 15"	0.248	83	4.1	8.3	12.4	16.5	20.7	24.8	28.9	33.1	37.2	0.248	83
#5 @ 16"	0.233	78	3.9	7.8	11.6	15.5	19.4	23.3	27.1	31.0	34.9	0.233	78
#5 @ 17"	0.219	74	3.6	7.3	10.9	14.6	18.2	21.9	25.5	29.2	32.8	0.219	74
#5 @ 18"	0.207	70	3.4	6.9	10.3	13.8	17.2	20.7	24.1	27.6	31.0	0.207	70

* Weight per 100 square feet are for one direction only. Double the weight for the same reinforcement in the other direction, or add the appropriate weight for a different pattern in the other direction. Weight per 100 square feet are theoretical and are intended for estimating purposes only.

COMPARISON TABLES - REINFORCING BARS & WELDED WIRE REINFORCEMENT

Rebar @ 60,000 psi and Welded Wire Reinforcement @ 60,000 psi

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF As/ LF	WWF #/CSF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.		
#6 @ 4"	1.320	451	22.0	44.0	-	-	-	-	-	-	-	1.320	451
#6 @ 5"	1.056	360	17.6	35.2	-	-	-	-	-	-	-	1.056	360
#6 @ 6"	0.880	300	14.7	29.3	44.0	-	-	-	-	-	-	0.880	300
#6 @ 7"	0.754	257	12.6	25.1	37.7	-	-	-	-	-	-	0.754	257
#6 @ 8"	0.660	225	11.0	22.0	33.0	44.0	-	-	-	-	-	0.660	225
#6 @ 9"	0.587	200	9.8	19.6	29.3	39.1	-	-	-	-	-	0.587	200
#6 @ 10"	0.528	180	8.8	17.6	26.4	35.2	44.0	-	-	-	-	0.528	180
#6 @ 11"	0.480	164	8.0	16.0	24.0	32.0	40.0	-	-	-	-	0.480	164
#6 @ 12"	0.440	150	7.3	14.7	22.0	29.3	36.7	44.0	-	-	-	0.440	150
#6 @ 13"	0.406	139	6.8	13.5	20.3	27.1	33.9	40.6	-	-	-	0.406	139
#6 @ 14"	0.377	129	6.3	12.6	18.9	25.1	31.4	37.7	44.0	-	-	0.377	129
#6 @ 15"	0.352	120	5.9	11.7	17.6	23.5	29.3	35.2	41.1	-	-	0.352	120
#6 @ 16"	0.330	113	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	-	0.330	113
#6 @ 17"	0.311	106	5.2	10.4	15.5	20.7	25.9	31.1	36.2	41.4	-	0.311	106
#6 @ 18"	0.293	100	4.9	9.8	14.7	19.6	24.4	29.3	34.2	39.1	44.0	0.293	100

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF As/ LF	WWF #/CSF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.		
#7 @ 4"	1.800	613	30.0	-	-	-	-	-	-	-	-	1.800	613
#7 @ 5"	1.440	491	24.0	-	-	-	-	-	-	-	-	1.440	491
#7 @ 6"	1.200	409	20.0	40.0	-	-	-	-	-	-	-	1.200	409
#7 @ 7"	1.029	350	17.1	34.3	-	-	-	-	-	-	-	1.029	350
#7 @ 8"	0.900	307	15.0	30.0	-	-	-	-	-	-	-	0.900	307
#7 @ 9"	0.800	273	13.3	26.7	40.0	-	-	-	-	-	-	0.800	273
#7 @ 10"	0.720	245	12.0	24.0	36.0	-	-	-	-	-	-	0.720	245
#7 @ 11"	0.655	223	10.9	21.8	32.7	43.6	-	-	-	-	-	0.655	223
#7 @ 12"	0.600	204	10.0	20.0	30.0	40.0	-	-	-	-	-	0.600	204
#7 @ 13"	0.554	189	9.2	18.5	27.7	36.9	-	-	-	-	-	0.554	189
#7 @ 14"	0.514	175	8.6	17.1	25.7	34.3	42.9	-	-	-	-	0.514	175
#7 @ 15"	0.480	164	8.0	16.0	24.0	32.0	40.0	-	-	-	-	0.480	164
#7 @ 16"	0.450	153	7.5	15.0	22.5	30.0	37.5	-	-	-	-	0.450	153
#7 @ 17"	0.424	144	7.1	14.1	21.2	28.2	35.3	42.4	-	-	-	0.424	144
#7 @ 18"	0.400	136	6.7	13.3	20.0	26.7	33.3	40.0	-	-	-	0.400	136

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF As/ LF	WWF #/CSF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.		
#8 @ 4"	2.370	801	39.5	-	-	-	-	-	-	-	-	2.370	801
#8 @ 5"	1.896	641	31.6	-	-	-	-	-	-	-	-	1.896	641
#8 @ 6"	1.580	534	26.3	-	-	-	-	-	-	-	-	1.580	534
#8 @ 7"	1.354	458	22.6	-	-	-	-	-	-	-	-	1.354	458
#8 @ 8"	1.185	401	19.8	39.5	-	-	-	-	-	-	-	1.185	401
#8 @ 9"	1.053	356	17.6	35.1	-	-	-	-	-	-	-	1.053	356
#8 @ 10"	0.948	320	15.8	31.6	-	-	-	-	-	-	-	0.948	320
#8 @ 11"	0.862	291	14.4	28.7	43.1	-	-	-	-	-	-	0.862	291
#8 @ 12"	0.790	267	13.2	26.3	39.5	-	-	-	-	-	-	0.790	267
#8 @ 13"	0.729	246	12.2	24.3	36.5	-	-	-	-	-	-	0.729	246
#8 @ 14"	0.677	229	11.3	22.6	33.9	-	-	-	-	-	-	0.677	229
#8 @ 15"	0.632	214	10.5	21.1	31.6	42.1	-	-	-	-	-	0.632	214
#8 @ 16"	0.593	200	9.9	19.8	29.6	39.5	-	-	-	-	-	0.593	200
#8 @ 17"	0.558	188	9.3	18.6	27.9	37.2	-	-	-	-	-	0.558	188
#8 @ 18"	0.527	178	8.8	17.6	26.3	35.1	43.9	-	-	-	-	0.527	178

* Weight per 100 square feet are for one direction only. Double the weight for the same reinforcement in the other direction, or add the appropriate weight for a different pattern in the other direction. Weight per 100 square feet are theoretical and are intended for estimating purposes only.