

COMPARISON TABLES - REINFORCING BARS & WELDED WIRE REINFORCEMENT

Rebar @ 60,000 psi and Welded Wire Reinforcement @ 75,000 psi

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#3 @ 4"	0.330	113	4.4	8.8	13.2	17.6	22.0	26.4	30.8	35.2	39.6	0.264	90
#3 @ 5"	0.264	90	3.5	7.0	10.6	14.1	17.6	21.1	24.6	28.2	31.7	0.211	72
#3 @ 6"	0.220	75	2.9	5.9	8.8	11.7	14.7	17.6	20.5	23.5	26.4	0.176	60
#3 @ 7"	0.189	64	2.5	5.0	7.5	10.1	12.6	15.1	17.6	20.1	22.6	0.151	51
#3 @ 8"	0.165	56	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8	0.132	45
#3 @ 9"	0.147	50	2.0	3.9	5.9	7.8	9.8	11.7	13.7	15.6	17.6	0.117	40
#3 @ 10"	0.132	45	1.8	3.5	5.3	7.0	8.8	10.6	12.3	14.1	15.8	0.106	36
#3 @ 11"	0.120	41	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	0.096	33
#3 @ 12"	0.110	38	1.5	2.9	4.4	5.9	7.3	8.8	10.3	11.7	13.2	0.088	30
#3 @ 13"	0.102	35	1.4	2.7	4.1	5.4	6.8	8.1	9.5	10.8	12.2	0.081	28
#3 @ 14"	0.094	32	1.3	2.5	3.8	5.0	6.3	7.5	8.8	10.1	11.3	0.075	26
#3 @ 15"	0.088	30	1.2	2.3	3.5	4.7	5.9	7.0	8.2	9.4	10.6	0.070	24
#3 @ 16"	0.083	28	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.9	0.066	22
#3 @ 17"	0.078	27	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.3	9.3	0.062	22
#3 @ 18"	0.073	25	1.0	2.0	2.9	3.9	4.9	5.9	6.8	7.8	8.8	0.059	20

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#4 @ 4"	0.600	200	8.0	16.0	24.0	32.0	40.0	-	-	-	-	0.480	160
#4 @ 5"	0.480	160	6.4	12.8	19.2	25.6	32.0	38.4	44.8	-	-	0.384	128
#4 @ 6"	0.400	134	5.3	10.7	16.0	21.3	26.7	32.0	37.3	42.7	-	0.320	107
#4 @ 7"	0.343	114	4.6	9.1	13.7	18.3	22.9	27.4	32.0	36.6	41.1	0.274	91
#4 @ 8"	0.300	100	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	0.240	80
#4 @ 9"	0.267	89	3.6	7.1	10.7	14.2	17.8	21.3	24.9	28.4	32.0	0.213	71
#4 @ 10"	0.240	80	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.8	0.192	64
#4 @ 11"	0.218	73	2.9	5.8	8.7	11.6	14.5	17.5	20.4	23.3	26.2	0.175	58
#4 @ 12"	0.200	67	2.7	5.3	8.0	10.7	13.3	16.0	18.7	21.3	24.0	0.160	54
#4 @ 13"	0.185	62	2.5	4.9	7.4	9.8	12.3	14.8	17.2	19.7	22.2	0.148	50
#4 @ 14"	0.171	57	2.3	4.6	6.9	9.1	11.4	13.7	16.0	18.3	20.6	0.137	46
#4 @ 15"	0.160	53	2.1	4.3	6.4	8.5	10.7	12.8	14.9	17.1	19.2	0.128	42
#4 @ 16"	0.150	50	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	0.120	40
#4 @ 17"	0.141	47	1.9	3.8	5.6	7.5	9.4	11.3	13.2	15.1	16.9	0.113	38
#4 @ 18"	0.133	45	1.8	3.6	5.3	7.1	8.9	10.7	12.4	14.2	16.0	0.107	36

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#5 @ 4"	0.930	313	12.4	24.8	37.2	-	-	-	-	-	-	0.744	250
#5 @ 5"	0.744	250	9.9	19.8	29.8	39.7	-	-	-	-	-	0.595	200
#5 @ 6"	0.620	209	8.3	16.5	24.8	33.1	41.3	-	-	-	-	0.496	167
#5 @ 7"	0.531	179	7.1	14.2	21.3	28.3	35.4	42.5	-	-	-	0.425	143
#5 @ 8"	0.465	156	6.2	12.4	18.6	24.8	31.0	37.2	43.4	-	-	0.372	125
#5 @ 9"	0.413	139	5.5	11.0	16.5	22.0	27.6	33.1	38.6	44.1	-	0.331	111
#5 @ 10"	0.372	125	5.0	9.9	14.9	19.8	24.8	29.8	34.7	39.7	44.6	0.298	100
#5 @ 11"	0.338	114	4.5	9.0	13.5	18.0	22.5	27.1	31.6	36.1	40.6	0.271	91
#5 @ 12"	0.310	104	4.1	8.3	12.4	16.5	20.7	24.8	28.9	33.1	37.2	0.248	83
#5 @ 13"	0.286	96	3.8	7.6	11.4	15.3	19.1	22.9	26.7	30.5	34.3	0.229	77
#5 @ 14"	0.266	89	3.5	7.1	10.6	14.2	17.7	21.3	24.8	28.3	31.9	0.213	71
#5 @ 15"	0.248	83	3.3	6.6	9.9	13.2	16.5	19.8	23.1	26.5	29.8	0.198	66
#5 @ 16"	0.233	78	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8	27.9	0.186	62
#5 @ 17"	0.219	74	2.9	5.8	8.8	11.7	14.6	17.5	20.4	23.3	26.3	0.175	59
#5 @ 18"	0.207	70	2.8	5.5	8.3	11.0	13.8	16.5	19.3	22.0	24.8	0.165	56

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Rebar @ 60,000 psi and Welded Wire Reinforcement @ 75,000 psi

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#6 @ 4"	1.320	451	17.6	35.2	-	-	-	-	-	-	-	1.056	361
#6 @ 5"	1.056	360	14.1	28.2	42.2	-	-	-	-	-	-	0.845	288
#6 @ 6"	0.880	300	11.7	23.5	35.2	-	-	-	-	-	-	0.704	240
#6 @ 7"	0.754	257	10.1	20.1	30.2	40.2	-	-	-	-	-	0.603	206
#6 @ 8"	0.660	225	8.8	17.6	26.4	35.2	44.0	-	-	-	-	0.528	180
#6 @ 9"	0.587	200	7.8	15.6	23.5	31.3	39.1	-	-	-	-	0.469	160
#6 @ 10"	0.528	180	7.0	14.1	21.1	28.2	35.2	42.2	-	-	-	0.422	144
#6 @ 11"	0.480	164	6.4	12.8	19.2	25.6	32.0	38.4	44.8	-	-	0.384	131
#6 @ 12"	0.440	150	5.9	11.7	17.6	23.5	29.3	35.2	41.1	-	-	0.352	120
#6 @ 13"	0.406	139	5.4	10.8	16.2	21.7	27.1	32.5	37.9	43.3	-	0.325	111
#6 @ 14"	0.377	129	5.0	10.1	15.1	20.1	25.1	30.2	35.2	40.2	-	0.302	103
#6 @ 15"	0.352	120	4.7	9.4	14.1	18.8	23.5	28.2	32.9	37.5	42.2	0.282	96
#6 @ 16"	0.330	113	4.4	8.8	13.2	17.6	22.0	26.4	30.8	35.2	39.6	0.264	90
#6 @ 17"	0.311	106	4.1	8.3	12.4	16.6	20.7	24.8	29.0	33.1	37.3	0.248	85
#6 @ 18"	0.293	100	3.9	7.8	11.7	15.6	19.6	23.5	27.4	31.3	35.2	0.235	80

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#7 @ 4"	1.800	613	24.0	-	-	-	-	-	-	-	-	1.440	490
#7 @ 5"	1.440	491	19.2	38.4	-	-	-	-	-	-	-	1.152	393
#7 @ 6"	1.200	409	16.0	32.0	-	-	-	-	-	-	-	0.960	327
#7 @ 7"	1.029	350	13.7	27.4	41.1	-	-	-	-	-	-	0.823	280
#7 @ 8"	0.900	307	12.0	24.0	36.0	-	-	-	-	-	-	0.720	246
#7 @ 9"	0.800	273	10.7	21.3	32.0	42.7	-	-	-	-	-	0.640	218
#7 @ 10"	0.720	245	9.6	19.2	28.8	38.4	-	-	-	-	-	0.576	196
#7 @ 11"	0.655	223	8.7	17.5	26.2	34.9	43.6	-	-	-	-	0.524	178
#7 @ 12"	0.600	204	8.0	16.0	24.0	32.0	40.0	-	-	-	-	0.480	163
#7 @ 13"	0.554	189	7.4	14.8	22.2	29.5	36.9	44.3	-	-	-	0.443	151
#7 @ 14"	0.514	175	6.9	13.7	20.6	27.4	34.3	41.1	-	-	-	0.411	140
#7 @ 15"	0.480	164	6.4	12.8	19.2	25.6	32.0	38.4	44.8	-	-	0.384	131
#7 @ 16"	0.450	153	6.0	12.0	18.0	24.0	30.0	36.0	42.0	-	-	0.360	122
#7 @ 17"	0.424	144	5.6	11.3	16.9	22.6	28.2	33.9	39.5	-	-	0.339	115
#7 @ 18"	0.400	136	5.3	10.7	16.0	21.3	26.7	32.0	37.3	42.7	-	0.320	109

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#8 @ 4"	2.370	801	31.6	-	-	-	-	-	-	-	-	1.896	641
#8 @ 5"	1.896	641	25.3	-	-	-	-	-	-	-	-	1.517	513
#8 @ 6"	1.580	534	21.1	42.1	-	-	-	-	-	-	-	1.264	427
#8 @ 7"	1.354	458	18.1	36.1	-	-	-	-	-	-	-	1.083	366
#8 @ 8"	1.185	401	15.8	31.6	-	-	-	-	-	-	-	0.948	321
#8 @ 9"	1.053	356	14.0	28.1	42.1	-	-	-	-	-	-	0.843	285
#8 @ 10"	0.948	320	12.6	25.3	37.9	-	-	-	-	-	-	0.758	256
#8 @ 11"	0.862	291	11.5	23.0	34.5	-	-	-	-	-	-	0.689	233
#8 @ 12"	0.790	267	10.5	21.1	31.6	42.1	-	-	-	-	-	0.632	214
#8 @ 13"	0.729	246	9.7	19.4	29.2	38.9	-	-	-	-	-	0.583	197
#8 @ 14"	0.677	229	9.0	18.1	27.1	36.1	45.1	-	-	-	-	0.542	183
#8 @ 15"	0.632	214	8.4	16.9	25.3	33.7	42.1	-	-	-	-	0.506	171
#8 @ 16"	0.593	200	7.9	15.8	23.7	31.6	39.5	-	-	-	-	0.474	160
#8 @ 17"	0.558	188	7.4	14.9	22.3	29.7	37.2	44.6	-	-	-	0.446	150
#8 @ 18"	0.527	178	7.0	14.0	21.1	28.1	35.1	42.1	-	-	-	0.421	142

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Rebar @ 60,000 psi and Welded Wire Reinforcement @ 75,000 psi

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#9 @ 4"	3.000	1,014	40.0	-	-	-	-	-	-	-	-	2.400	811
#9 @ 5"	2.400	811	32.0	-	-	-	-	-	-	-	-	1.920	649
#9 @ 6"	2.000	676	26.7	-	-	-	-	-	-	-	-	1.600	541
#9 @ 7"	1.714	579	22.9	-	-	-	-	-	-	-	-	1.371	463
#9 @ 8"	1.500	507	20.0	40.0	-	-	-	-	-	-	-	1.200	406
#9 @ 9"	1.333	451	17.8	35.6	-	-	-	-	-	-	-	1.067	361
#9 @ 10"	1.200	406	16.0	32.0	-	-	-	-	-	-	-	0.960	325
#9 @ 11"	1.091	369	14.5	29.1	43.6	-	-	-	-	-	-	0.873	295
#9 @ 12"	1.000	338	13.3	26.7	40.0	-	-	-	-	-	-	0.800	270
#9 @ 13"	0.923	312	12.3	24.6	36.9	-	-	-	-	-	-	0.738	250
#9 @ 14"	0.857	290	11.4	22.9	34.3	-	-	-	-	-	-	0.686	232
#9 @ 15"	0.800	270	10.7	21.3	32.0	42.7	-	-	-	-	-	0.640	216
#9 @ 16"	0.750	253	10.0	20.0	30.0	40.0	-	-	-	-	-	0.600	202
#9 @ 17"	0.706	239	9.4	18.8	28.2	37.6	-	-	-	-	-	0.565	191
#9 @ 18"	0.667	225	8.9	17.8	26.7	35.6	44.4	-	-	-	-	0.533	180

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#10 @ 4"	3.810	1,252	-	-	-	-	-	-	-	-	-	3.048	1002
#10 @ 5"	3.048	1,001	40.6	-	-	-	-	-	-	-	-	2.438	801
#10 @ 6"	2.540	834	33.9	-	-	-	-	-	-	-	-	2.032	667
#10 @ 7"	2.177	715	29.0	-	-	-	-	-	-	-	-	1.742	572
#10 @ 8"	1.905	626	25.4	-	-	-	-	-	-	-	-	1.524	501
#10 @ 9"	1.693	556	22.6	-	-	-	-	-	-	-	-	1.355	445
#10 @ 10"	1.524	501	20.3	40.6	-	-	-	-	-	-	-	1.219	401
#10 @ 11"	1.386	455	18.5	36.9	-	-	-	-	-	-	-	1.108	364
#10 @ 12"	1.270	417	16.9	33.9	-	-	-	-	-	-	-	1.016	334
#10 @ 13"	1.172	385	15.6	31.3	-	-	-	-	-	-	-	0.938	308
#10 @ 14"	1.089	358	14.5	29.0	43.5	-	-	-	-	-	-	0.871	286
#10 @ 15"	1.016	334	13.5	27.1	40.6	-	-	-	-	-	-	0.813	267
#10 @ 16"	0.953	313	12.7	25.4	38.1	-	-	-	-	-	-	0.762	250
#10 @ 17"	0.897	295	12.0	23.9	35.9	-	-	-	-	-	-	0.717	236
#10 @ 18"	0.847	278	11.3	22.6	33.9	-	-	-	-	-	-	0.677	222

Bars	A _s / LF in ²	Rebar #/CSF	Wire Sizes For Various Spacing									WWF	WWF
			2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.	As/ LF	#/CSF
#11 @ 4"	4.680	1,515	-	-	-	-	-	-	-	-	-	3.744	1212
#11 @ 5"	3.744	1,212	-	-	-	-	-	-	-	-	-	2.995	970
#11 @ 6"	3.120	1,010	41.6	-	-	-	-	-	-	-	-	2.496	808
#11 @ 7"	2.674	865	35.7	-	-	-	-	-	-	-	-	2.139	692
#11 @ 8"	2.340	757	31.2	-	-	-	-	-	-	-	-	1.872	606
#11 @ 9"	2.080	673	27.7	-	-	-	-	-	-	-	-	1.664	538
#11 @ 10"	1.872	606	25.0	-	-	-	-	-	-	-	-	1.498	485
#11 @ 11"	1.702	551	22.7	-	-	-	-	-	-	-	-	1.361	441
#11 @ 12"	1.560	505	20.8	41.6	-	-	-	-	-	-	-	1.248	404
#11 @ 13"	1.440	466	19.2	38.4	-	-	-	-	-	-	-	1.152	373
#11 @ 14"	1.337	433	17.8	35.7	-	-	-	-	-	-	-	1.070	346
#11 @ 15"	1.248	404	16.6	33.3	-	-	-	-	-	-	-	0.998	323
#11 @ 16"	1.170	379	15.6	31.2	-	-	-	-	-	-	-	0.936	303
#11 @ 17"	1.101	356	14.7	29.4	44.0	-	-	-	-	-	-	0.881	285
#11 @ 18"	1.040	337	13.9	27.7	41.6	-	-	-	-	-	-	0.832	270

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