

Welded Wire Fabric Properties For Reinforced Concrete

Wires for Welded Wire Reinforcement

Size No. Smooth	Size No. Deformed	Diameter (in.)	Area (in. ² /ft) Space 4 in.	Area (in. ² /ft) Space 6 in.	Area (in. ² /ft) Space 10 in.	Area (in. ² /ft) Space 12 in.
W31	D31	0.628	0.93	0.62	0.372	0.31
W11	D11	0.374	0.33	0.22	0.132	0.11
W10	D10	0.356	0.30	0.20	0.12	0.10
W9	D9	0.338	0.27	0.18	0.108	0.09
W8	D8	0.319	0.24	0.16	0.096	0.08
W7	D7	0.298	0.21	0.14	0.084	0.07
W6	D6	0.276	0.18	0.12	0.072	0.06
W5.5	-	0.264	0.165	0.11	0.066	0.055
W5	D5	0.252	0.15	0.10	0.06	0.05
W4	D4	0.225	0.12	0.08	0.048	0.04
W3.5	-	0.211	0.105	0.07	0.042	0.035
W2.9	-	0.192	0.087	0.058	0.035	0.029
W2.5	-	0.178	0.075	0.05	0.03	0.025
W2.1	-	0.162	0.063	0.042	0.025	0.021
W1.4	-	0.135	0.042	0.028	0.017	0.014

Wire size number is 100 times the wire area in in.²

Smooth Wire (ASTM A185)

Tensile Strength (ksi)	Yield Strength (ksi)
75	65

Deformed Wire (ASTM A497)

Tensile Strength (ksi)	Yield Strength (ksi)
80	70

Common Stock Welded - Wire Reinforcement

Style Designation	Area (in. ² /ft) in X,Y	Weight (lb/100 ft ²)
6 x 6 - W2.9 x W2.9	0.058	42
4 x 4 - W2.1 x W2.1	0.062	44
6 x 6 - W4 x W4	0.08	58
4 x 4 - W2.9 x W2.9	0.087	62
6 x 6 - W5.5 x W5.5	0.11	80
4 x 4 - W4 x W4	0.12	85
4 x 4 - W5.5 x W5.5	0.165	119

Style = X wire spacing x Y wire Spacing - X wire size x Y wire size