

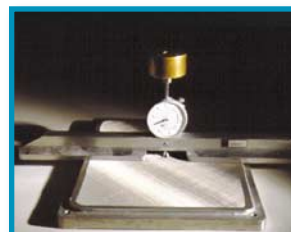
Deflection/Tension Specifications

Deflection Stainless Steel Mesh - Standard Wire Diameter

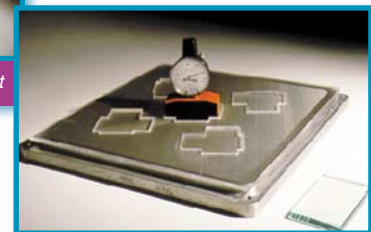
MESH COUNT	WIRE DIAMETER (inches)	5" x 5" FRAME 5" x 7" FRAME	7" x 8" FRAME	8" x 10" FRAME	12" x 12" FRAME 12" x 17" FRAME
60	.0045	32-48 mils	37-53 mils	37-53 mils	47-63 mils
80	.0037	32-48 mils	37-53 mils	37-53 mils	47-63 mils
105	.0030	32-48 mils	37-53 mils	37-53 mils	47-63 mils
120	.0026	32-48 mils	37-53 mils	37-53 mils	47-63 mils
145	.0022	32-48 mils	37-53 mils	42-58 mils	47-63 mils
165	.0020	32-48 mils	37-53 mils	42-58 mils	47-63 mils
180	.0018	32-48 mils	37-53 mils	42-58 mils	47-63 mils
200	.0016	32-48 mils	37-53 mils	42-58 mils	47-63 mils
200	.0021	32-48 mils	37-53 mils	42-58 mils	47-63 mils
230	.0014	32-48 mils	37-53 mils	42-58 mils	47-63 mils
250	.0016	32-48 mils	37-53 mils	42-58 mils	47-63 mils
270	.0014	32-48 mils	42-58 mils	46-62 mils	47-63 mils
280	.0013	32-48 mils	42-58 mils	46-62 mils	47-63 mils
325	.0011	32-48 mils	42-58 mils	46-62 mils	47-63 mils
400	.0010	32-48 mils	42-58 mils	46-62 mils	47-63 mils

Standard Wire Diameter Newtons/Centimeter Ultra-Fine Wire Diameter

MESH COUNT	WIRE DIAMETER	RECOMMENDED TENSION at		MESH COUNT	WIRE DIAMETER	RECOMMENDED TENSION at	
		.1% RES. N/cm	.5% RES. N/cm			.1% RES. N/cm	.5% RES. N/cm
80	.0037		30-35	80	.0020	20-22	15-17
105	.0030		44-46	230	.0011	20-22	15-17
120	.0026		39-41	280	.0010	16-18	12-14
145	.0022	38-40	35-37	325	.0009	24-26	17-19
165	.0020	38-40	35-37	325 CAL	.0009	24-26	17-19
180	.0018	33-35	29-31	400	.0007	20-22	17-19
200	.0016	31-33	29-31				
230	.0014	30-32	22-24				
250	.0016	31-33	25-27				
270	.0014	32-34	28-30				
280	.0012	29-31	21-23				
325	.0011	29-31	21-23				
400	.0010	26-28	20-22				



Deflections in mils / 1lb weight



Tension in newtons/cm