

Metal wire cloth; Crimped screens - Technical Details

Designation	Aperture size w mm	Wire diameter d mm	Yield strength Rp N/cm	A _S mm ² /cm	Open mesh area A ₀ %	Weight kg/m ²	Thickness s mm	Number of picker 1/m ²
WG 10 / 2,0	10,0	2,0	920	2,62	69	4,2	4,0	6.940
WG 15 / 2,0	15,0	2,0	650	1,85	78	3,0	4,0	3.460
WG 16 / 2,5	16,0	2,5	930	2,65	75	4,3	5,0	2.920
WG 18 / 2,5	18,0	2,5	840	2,39	77	3,9	5,0	2.380
WG 20 / 2,0	20,0	2,0	500	1,43	83	2,3	4,0	2.070
WG 20 / 2,5	20,0	2,5	760	2,18	79	3,5	5,0	1.980
WG 25 / 3,0	25,0	3,0	880	2,52	80	4,1	6,0	1.280
WG 30 / 3,0	30,0	3,0	750	2,14	83	3,5	6,0	920
WG 40 / 4,0	40,0	4,0	1000	2,86	83	4,6	8,0	520

- Aperture size: The clear gap between two neighbouring warp or weft wires in the centre of the mesh.
- Wire diameter: The wire diameter prior to weaving. Because of the high mechanical load during weaving, wires may appear
- Rp: Maximum permissible load of the mesh in warp (RpK) and weft (RpS) directions, without lasting significant deformation.
- A_S: A_SK and A_SS are actual cross sections on the cutting edges that proceed vertically to the wires to meet with the traction
- A₀: Theoretical free flowing opening, through which the filtrate can pass, based on the flow surface.
- Mesh thickness: Approximate specification. Dependent upon the diameter, weave type and alignment of the weaving
- Weight, number of picks: approximate specification.

