

## Metal wire cloth; square wire - Technical Details

Aperture-size w mm	Wire-diameter d mm	Yield strength warp RpK N/cm <sup>2</sup>	Yield strength weft RpS N/cm <sup>2</sup>	A <sub>S</sub> K mm <sup>2</sup> /cm	A <sub>S</sub> S mm <sup>2</sup> /cm	Open mesh area A <sub>0</sub> %	Weight kg/m <sup>2</sup>	Number of picker per cm <sup>2</sup>
0,63	0,40	540	420	1,55	1,24	37	2,3	94,3
0,71	0,45	610	480	1,75	1,39	37	2,2	74,3
0,80	0,50	670	520	1,92	1,53	37	2,7	59,2
1,00	0,65	900	700	2,56	2,04	37	3,8	36,7
1,25	0,80	1100	850	3,12	2,49	37	4,6	23,8
1,50	0,65	690	540	1,97	1,57	49	3,2	21,6
1,50	1,00	1400	1100	4,00	3,19	36	6,0	16,0
1,60	0,80	930	730	2,67	2,13	44	4,3	17,4
2,00	1,00	1150	910	3,33	2,66	44	5,0	11,1
2,50	1,00	1000	780	2,86	2,28	51	4,3	8,2
3,00	1,00	875	680	2,50	1,99	56	3,9	6,3

- 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.
- As: AsK and AsS are actual cross sections on the cutting edges that proceed vertically to the wires to meet with the traction force.
- 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 machine.
- Weight, number of picks: approximate specification.

