HAVER & BOECKER STAINLESS STEEL WIRE CLOTH

TECHNICAL SPECIFICATIONS

SAATIprint™
Your prints deserve it

SaatiPrint is a direct importer of Haver & Boecker Stainless Steel Wire Cloth. Precision woven in Germany under ISO 9001 certification, Haver Wire Cloth is manufactured specifically for screen printing. It provides the ink deposit uniformity and close-tolerance registration you need for your critical jobs. For maximum ink deposit control, choose Haver's exclusive CT Foil™ calendered wire.

Haver & Boecker's entire wire manufacturing process has been certified to meet the highest international quality standards (DIN EN ISO 9001). The most extensive of the ISO standards, the 9001 certification encompasses Haver & Boecker's product design, development, production, installation and service.

With input from screen printers around the world, Haver's research team has developed measuring methods and test procedures to perfect each phase of production. Haver's tight tolerances, from the selection of wire threads to the final inspection of each roll we deliver, guarantee reliability. So you can count on the integrity of the wire diameter, aperture width and cloth thickness.

You can achieve defined ink deposits easily with the nearly endless choices of Haver Wire. Within any mesh count, there's a range of wire diameters. In addition, any of these can be calendered. Available diameters range from 0.0007" to 0.0055". Offered in plain or twill weave in widths from 36 to 60 inches and mesh counts from 60 to 500 per inch. Ask us about larger widths and cut-to-size pieces.

CUSTOM SHEETING

For your convenience, Haver Wire is available in custom sheets, cut for the maximum yield to meet your specifications. No minimum order required.

HAVER (AS-WOVEN)

You can count on Haver Wire's excellent dimensional stability, and the narrow tolerance of its overall fabric thickness, which provide uniform and accurate aperture widths.

Haver Wire Cloth is also abrasion and corrosion resistant, and is unaffected by atmospheric moisture or temperature.

HAVER CT FOIL™ (CALENDERED)

Unrivaled ink deposit control tops the list of CT Foil's many benefits. You can print exacting deposit thicknesses for your most critical applications (i.e., microelectronics and conductive inks), with Haver's extensive micro-incremental calendering options.

With CT Foil, screen stabilization is swift, so you'll boost production speeds. There is, essentially, no mesh elongation and need for retensioning. Plus you'll maximize your registration due to its increased dimensional stability.

MINIMUM & MAXIMUM CALENDERING

Haver's calendering process removes the air pockets and reduces the mesh (without altering the openings) to a predetermined overall fabric thickness (OFT). Accurate to within ±3 microns (0.12 mil). We offer a wide range of options, from "feather rolling" to a maximum of 30%, in full rolls up to 100 feet (widths up to 49").

OVERALL FABRIC THICKNESS

The electronic measuring (to within 1 micron) of wire cloth thickness is achieved by analyzing three points lying parallel to the weft wire. The measuring points are set at the center of the roll and on both sides, with a defined distance between them. Rolled wire cloth is measured every three meters (10 feet) lengthwise.

MESH OPENINGS

Mesh aperture accuracy is essential to exact print reproduction because a significant deviation from the nominal mesh opening can cause uneven ink deposits.

The mesh openings of Haver Wire Cloth are inspected by a computerized mesh measuring device to assure high accuracy. This electronic system can measure and analyze 100,000 openings in a very short time, while providing a computer printout of the results.

FINAL CLEANING AND INSPECTION

After weaving, each finished roll of Haver Wire Cloth is vapor degreased and cleaned in an ultrasonic bath using a proprietary process.

See our Haver General Brochure and CT Foil Brochure for more information.

Phone: (800) 431-2200 or (914) 232-7781
e-mail: Info.US@saatiprint.com
www.saatiamericas.com

HAVER & BOECKER STAINLESS STEEL WIRE CLOTH

TECHNICAL SPECIFICATIONS

SAATIprint™
Your prints deserve it

USA SPEC ANSI/AWCI 01-1992		METRIC SPEC ISO 4783-1 1989			CLOTH THICKNESS AS WOVEN = AW		THEORETICAL INK DEPOSIT		THEORETICAL MAX TENSION
MESH COUNT	WIRE DIAMETER	WIRE DIAMETER	WIDTH OF APERTURE (OPENING)	OPEN AREA	AVERAGE	AVERAGE	AW AS WOVEN	CT FOIL* AVG CLOTH THICKNESS 20%	AW AS WOVEN
	d	d	w	ao	D	D	Vth	Vth	Newton
threads/in.	inch	micron	micron	%	micron	inch	cm3/m2	cm3/m2	N/cm
60	0.0045	100	315	58	220	0.0087	128	102	75
80	0.0020	50	265	71	107	0.0042	76	61	25
80	0.0037	95	224	49	190	0.0075	93	74	90
105	0.0030	80	160	44	165	0.0065	73	58	84
120	0.0026	67	140	46	145	0.0057	67	54	67
135	0.0022	56	132	49	132	0.0052	65	52	53
145	0.0022	56	118	46	130	0.0051	60	48	57
150	0.0026	67	100	36	147	0.0058	53	42	84
165	0.0020	50	106	46	109	0.0043	50	40	52
180	0.0018	45	95	46	102	0.0040	47	38	46
200	0.0016	40	85	46	89	0.0035	41	33	40
200	0.0021	53	75	34	114	0.0045	39	31	70
230	0.0011	30	80	53	62	0.0025	33	26	26
230	0.0014	36	75	46	76	0.0030	35	28	37
250	0.0014	36	63	40	79	0.0031	32	26	41
250	0.0016	40	63	37	85	0.0033	31	25	50
270	0.0014	36	56	37	80	0.0032	30	24	44
270TW	0.0016	40	53	32	85	0.0033	27	22	54
280	0.0012	30	60	44	66	0.0026	29	23	32
290	0.0008	20	67	59	45	0.0018	–	–	30
300	0.0012	30	56	42	68	0.0027	29	23	34
325	0.0009	24	56	49	52	0.0021	25	20	23
325	0.0011	30	50	39	63	0.0025	25	20	32
325TW	0.0014	36	42	29	81	0.0032	23	18	53
400	0.0007	18	45	51	43	0.0017	22	18	16
400	0.0010	25	38	36	53	0.0021	19	15	31
500TW	0.0010	25	25	25	56	0.0022	14	11	39

HAVER'S NEW TENSILE BOLTING CLOTH (TBC)
A new grade of stainless steel wire cloth is now woven by Haver & Boecker. This High Tensile (TBC) wire offers many new benefits. Due to the new high tensile alloy, greater stability can be achieved while utilizing the new thread.

*This is an example of the most popular degree of calendering. A wide range of calendering is available.
Most popular mesh counts are in stock. Width of rolls: 36" (915mm), 40" (1020mm), 48" (1220mm), 60" (1530mm).
Length of standard rolls: 100 feet (30.5m). Please inquire about custom sheeting to size.

CT Foil is a trademark of Haver & Boecker.

Phone: (800) 431-2200 or (914) 232-7781
e-mail: Info.US@saatiprint.com
www.saatiamericas.com

HB_WireCloth_DS.v2
9-18-07