



# HAYER STANDARD

INDIA PRIVATE LIMITED

(In joint venture with Haver & Boecker, Germany)

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**PARTICLE ANALYSIS.  
DOWN TO ULTRA-FINE WITH  
UTMOST PRECISION.**

A MEMBER OF THE HAYER® GROUP

# PARTICLE ANALYSIS

In numerous industrial manufacturing and machining processes, only a careful analysis of materials and substances can lay the foundations for achieving the best results. Based on expertise and more than 100 years of experience in wire fabric technology, Haver & Boecker and HAST provide innovative systems for particle analysis which continue to set new standards in functionality, precision and reliability, and guarantee maximum security of investment.

As well as high-quality test sieves, an efficient overall concept also includes modern Haver and Tyler test sieve shakers and the Haver CPA analysis

measuring instruments, which are based on digital image processing – a technology making possible to detect, analyse and count up to 10,000 particles from 10 µm to 400 µm every second.



From sand, earth and construction materials to foodstuffs and recycling, from chemicals and plastics to varnishes, paints and special coatings, our analysis systems provide better quality assurance.

Haver & Boecker is certified to ISO 9001:2008 and is a leading member of the International Standards Committee for Test Sieves (ISO TC 24).



HAST, who is certified to ISO 9001:2008 as well, works on the PDCA (Plan-Do-Check-Act) approach and all products are manufactured to the most stringent quality requirements. As a member of the Haver Group, which also includes the world's largest manufacturer of test sieves, W.S. Tyler in the U.S.A., HAST provides a comprehensive range of equipment and accessories relating to all aspects of particle analysis for precise and convenient work.

International Test Sieve Comparison Table 2013 TEST SIEVES, NOMINAL SIZES OF OPENINGS					125-1 mm TABLE 1			Internationale Analysensieb-Vergleichstabelle 2013 SIEBBÖDEN FÜR ANALYSENSIEBE (Prüfsiebe) Maschen- bzw. Lochweiten			
1	2	3	4	5	6	7	8	9	10	11	
ISO 565 · ISO 3310 Table 1, Millimetre sizes			DEU	FRA	GBR	NLD	USA		CAN	TYLER®	
Principal sizes Hauptreihe R 20/3			DIN	NF	BSI	N	ASTM E 11 # 2004 ASTM E 323 Q, 1980 (2004)		CAN/ CGSB- 8.2-M88 metric	TYLER® Screen Scale	
Supplementary sizes Nebenreihen R 20 R 40/3			DIN ISO 3310	AFNOR NF ISO 3310	BS 410 ISO 3310	NEN 2560	ASTM E 11 # 2004 ASTM E 323 Q, 1980 (2004)		CAN/ CGSB- 8.2-M88 metric	TYLER® Screen Scale	
2000			2001	2000	2000	1998	125-1		1988	1910	
ISO 3310-1			Woven Wire Cloth #	125-1	125-1	125-1	125-1	125-1	125-1	26,5-1	
ISO 3310-2			Round Holes ●	125-1	125-1	125-1	125-1	125-1	125-1		
			Square Holes	125-4	125-4	125-4	125-4	125-3.35			
w	w	w	w	w	w	w	w	No.	w	Mesh	
125	125	125	125	125	125	125	125	5 in.	125		
	112		112	112	112	112	112		112		
	100	106	106	106	106	106	106	4.24 in. 4 in. (M)	100		
90	90	90	90	90	90	90	90	3.1/2 in.	90.0		
	80	75	75	75	75	75	75	3 in.	80.0		
63	63	63	63	63	63	63	63	2.1/2 in.	63.0		
	56		56	56	56	56	56		56.0		
		53	53	53	53	53	53	2.12 in.			
	50		50	50	50	50	50	2 in. (M)	50.0		
45	45	45	45	45	45	45	45	1.3/4 in.	45.0		
	40		40	40	40	40	40		40.0		
		37.5	37.5	37.5	37.5	37.5	37.5	1.1/2 in.			
31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	1.1/4 in.	31.5		
	28		28	28	28	28	28		28.0		
		26.5	26.5	26.5	26.5	26.5	26.5	1.06 in. 1 in. (M)	25.0	1.05 in.	
	25		25	25	25	25	25	25.0 (M)			
22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	7/8 in.	22.4	.883 in.	
		20	20	20	20	20	20		20.0		
		19	19	19	19	19	19			.742 in.	
	18		18	18	18	18	18	3/4 in.	18.0		
16	16	16	16	16	16	16	16	5/8 in.	16.0	.624 in.	
	14		14	14	14	14	14		14.0		
		13.2	13.2	13.2	13.2	13.2	13.2	0.530 in. 1/2 in. (M)	12.5	.525 in.	
	12.5		12.5	12.5	12.5	12.5	12.5	12.5 (M)			
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	7/16 in.	11.2	.441 in.	
	10		10	10	10	10	10		10.0		
		9.5	9.5	9.5	9.5	9.5	9.5	3/8 in.		.371 in.	
	9		9	9	9	9	9		9.0		
8	8	8	8	8	8	8	8	5/16 in.	8.0	2.1/2	
	7.1		7.1	7.1	7.1	7.1	7.1		7.10		
		6.7	6.7	6.7	6.7	6.7	6.7	0.265 in. 1/4 in. (M)	6.30	3	
	6.3		6.3	6.3	6.3	6.3	6.3	6.3 (M)			
5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.1/2	5.60	3.1/2	
	5		5	5	5	5	5		5.00		
		4.75	4.75	4.75	4.75	4.75	4.75	4	4.50	4	
4	4	4	4	4	4	4	4	4.00	4.00	5	
	3.55		3.55	3.55	3.55	3.55	3.55		3.55		
		3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	6	
	3.15		3.15	3.15	3.15	3.15	3.15		3.15		
2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.80	2.80	7	
	2.5		2.5	2.5	2.5	2.5	2.5		2.50		
		2.36	2.36	2.36	2.36	2.36	2.36	2.36	8	8	
	2.24		2.24	2.24	2.24	2.24	2.24		2.24		
2	2	2	2	2	2	2	2	2.00	2.00	9	
	1.8		1.8	1.8	1.8	1.8	1.8		1.80		
		1.7	1.7	1.7	1.7	1.7	1.7	1.70	12	10	
	1.6		1.6	1.6	1.6	1.6	1.6		1.60		
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.40	14	12	
	1.25		1.25	1.25	1.25	1.25	1.25		1.25		
		1.18	1.18	1.18	1.18	1.18	1.18	1.18	16	14	
	1.12		1.12	1.12	1.12	1.12	1.12		1.12		
1	1	1	1	1	1	1	1	1.00	18	16	



# OFFERING THE RIGHT SIEVE TO MEET ALL REQUIREMENTS.



HAST provides with Haver & Boecker the right test sieve for every screening task. Examples include robust designs made from plates with square perforation to ISO 3310-2 for screening road-building stone, concrete additives, gravel, sand, ballast or – with slotted plates to ISO 5223 – for testing grain.

Classic test sieves with wire mesh sieve bottoms are available over the entire standard range of mesh sizes from 0.02 mm to 125 mm. The particularly

smooth surface of their frames prevents cross contamination, and the sieve fabric retains its tension exceedingly well even after intensive use.

The Haver test sieve range covers a wide spectrum of applications and materials and provides the optimum design for every operational requirement: with precision frames made from stainless steel in all common diameters from 76.2 mm to 400 mm.

Some common applications are

- Pharmaceuticals
- Chemicals
- Minerals
- Cement
- Research Centres
- Food and Spices
- Fertilizers
- Tobacco

International Test Sieve Comparison Table 2013 TEST SIEVES, NOMINAL SIZES OF OPENINGS				900–5 µm TABLE 2			Internationale Analysensieb-Vergleichstabelle 2013 SIEBBÖDEN FÜR ANALYSENSIEBE (Prüfsiebe) Maschen- bzw. Lochweite				
1	2	3	4	5	6	7	8	9	10	11	
ISO 565 · ISO 3310 Table 2, Micrometre sizes			DEU	FRA	GBR	NLD	USA		CAN	TYLER®	
Principal sizes Hauptreihe R 20/3	Supplementary sizes Nebenreihen R 40/3		DIN	NF	BSI	N	ASTM E 11 # 2004 ASTM E 161 2, 2000 (2004)		CGSB	TYLER Screen Scale	
	2000		DIN ISO 3310	AFNOR NF ISO 3310	BS 410 ISO 3310	NEN 2560			CAN/ CGSB- 8.2-M88 metric		
ISO 3310-1 Woven Wire Cloth #			900–20	900–20	900–20	900–20	850–20	850–20	900–32	850–20	
ISO 3310-3 Electroformed			500–5	500–5		500–5	500–5				
w	w	w	w	w	w	w	w	No.	w	Mesh	
	900		900	900	900	900	900		900		
		850	850	850	850	850	850	20	800	20	
710	800		800	800	800	800	800		800		
	710	710	710	710	710	710	710	25	710	24	
	630		630	630	630	630	630		630		
		600	600	600	600	600	600	30	600	28	
500	560		560	560	560	560	560		560		
	500	500	500	500	500	500	500	35	500	32	
	450		450	450	450	450	450		450		
		425	425	425	425	425	425	40	425	35	
355	400		400	400	400	400	400		400		
	355	355	355	355	355	355	355	45	355	42	
	315		315	315	315	315	315		315		
		300	300	300	300	300	300	50	300	48	
250	280		280	280	280	280	280		280		
	250	250	250	250	250	250	250	60	250	60	
	224		224	224	224	224	224		224		
		212	212	212	212	212	212	70	212	65	
180	200		200	200	200	200	200		200		
	180	180	180	180	180	180	180	80	180	80	
	160		160	160	160	160	160		160		
		150	150	150	150	150	150	100	150	100	
125	140		140	140	140	140	140		140		
	125	125	125	125	125	125	125	120	125	115	
	112		112	112	112	112	112		112		
		106	106	106	106	106	106	140	106	150	
90	100		100	100	100	100	100		100		
	90	90	90	90	90	90	90	170	90	170	
	80		80	80	80	80	80		80		
		75	75	75	75	75	75	200	75	200	
63	71		71	71	71	71	71		71		
	63	63	63	63	63	63	63	230	63	250	
	56		56	56	56	56	56		56		
		53	53	53	53	53	53	270	53	270	
45	50		50	50	50	50	50		50		
	45	45	45	45	45	45	45	325	45	325	
	40		40	40	40	40	40		40		
		38	38	38	38	38	38	400	38	400	
R*10	36		36	36	36	36	36		36		
32			32	32	32	32	32	450	32	450	
25			25	25	25	25	25	500	25	500	
20			20	20	20	20	20	635	20	635	
16 2			16 2	16 2		16 2	15 2				
10 2			10 2	10 2		10 2	10 2				
5 2			5 2	5 2		5 2	5 2				



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## ABOUT US

HAYER STANDARD INDIA PVT. LTD., called "HAST", is one of the leading manufacturers of Woven Wire Cloth and Wire Products in India.

HAST was established in 1988 as a joint venture between two companies, one being HAYER & BOECKER, Germany and the other being Standard Wire Group (Wire Weaving and Engineering Works), Mumbai, India. The former has been in the wire weaving business since 1887 and the latter a group of Standard Wire Products since 1958. With decades of experience and the right weaving loom for each specification, HAYER & BOECKER and Standard Wire guarantee the most suitable Woven Wire Cloth for every demand. Meticulous handling of production processes, with special attention to quality control measures, makes our products popular. This is indeed a vital factor in our creditable performance.