W1.24

Comparison of American, British and German Sieves commonly used in Cement Industry

Aperature mms	Aperature inches	B.S.S. BS 410	U.S. ASA ASTM	GERMAN DIN 4188
6.3	**0.248**			**6.3**
5	0.1969			5
4	0.157		5	4
2.5	0.0985			2.5
2	**0.0787**	**8**	**10**	**2**
1.68	0.0661	10	12	
1.4	0.0551	12		
1.25	0.0492			1.25
1	**0.0394**	**16**	**18**	**1**
microns				
841	0.0331		20	
800	0.0315			0.8
707	0.0278		25	
630	0.0248			0.63
600	0.0236	25		
500	**0.0197**	**30**	**30**	**0.5**
400	0.0158			0.4
354	0.0139		45	
300	0.0118	52		
250	**0.01**	**60**	**60**	**0.25**
210	**0.0083**	**72**	**70**	
200	0.0079			0.2
150	0.0059	100	100	
100	0.0039			0.1
90	**0.0035**	**170**	**170**	**0.09**
74-75	**0.0029**	**200**	**200**	
71	0.0028			0.071
63	**0.0025**	**240**	**230**	**0.063**
53	0.0021	300	270	
50	0.002			0.05
45	0.0018	350		0.045
44	**0.0017**		**325**	
39				0.04
37	0.0015		400	

1 DIN =36 mesh/cm^2
0.25 DIN = 576 mesh/cm^2

0.2 DIN = 900 mesh/ cm^2
0.09 DIN = 4900 mesh/cm^2

Otto labahn
Cement Engineers Hanbook