Metalldraht für Siebgewebe
Nenndrahtdurchmesser nach DIN ISO 4782, d = 0,020 mm – 3,15 mm

1	2	3	4	5
Nenndrahtdurchmesser			Nominal wire diameter	
ISO 4782 **R 10** und R 20	bei Bedarf if needed *R 40*	Querschnitt cross section	Genauwert correct equivalent	commonly used USA wire diameters
mm	mm	mm²	inch	inch
0,020	*0,020*	0,00031	.00079	.0008
	0,021	0,00035	.00083	
0,022	*0,022*	0,00038	.00087	.0009
	0,024	0,00045	.00094	
0.025	*0,025*	0,00049	.00098	.0010
	0,026	0,00053	.00102	
0,028	*0,028*	0,00062	.00110	.0011
	0,030	0,00071	.00118	.0012
0,032	*0,032*	0,00080	.00126	.0013
	0,034	0,00091	.00134	
0,036	*0,036*	0,00102	.00142	.0014
	0,038	0,00113	.00150	.0015
0,040	*0,040*	0,00126	.00157	.0016
	0,042	0,00139	.00165	
0,045	*0,045*	0,00159	.00177	.0018
	0,048	0,00181	.00189	.0019
0,050	*0,050*	0,00196	.00197	.0020
	0,053	0,00221	.00209	.0021
0,056	*0,056*	0,00246	.00220	.0022
	0,060	0,00283	.00236	.0024
0,063	*0,063*	0,00312	.00248	.0025
	0,067	0,00353	.00264	.0026
0,071	*0,071*	0,00396	.00280	.0028
	0,075	0,00442	.00295	.0030
0,080	*0,080*	0,00503	.00315	.0032
	0,085	0,00567	.00335	.0034
0,090	*0,090*	0,00636	.00354	.0035
	0,095	0,00709	.00374	.0037
0,100	*0,100*	0,00785	.00394	.0040
	0,106	0,00882	.00417	
0,112	*0,112*	0,00985	.00441	.0045
	0,118	0,01094	.00465	
0,125	*0,125*	0,01227	.00492	.0050
	0,132	0,01368	.00520	
0,140	*0,140*	0,01539	.00551	.0055
	0,150	0,01767	.00591	.0060
0,160	*0,160*	0,02011	.00630	.0063
	0,170	0,02270	.00669	.0065
0,180	*0,180*	0,02545	.00709	.0071
	0,190	0,02835	.00748	.0075
0,200	*0,200*	0,03142	.00787	.0080
	0,212	0,03530	.00835	.0085
0,224	*0,224*	0,03941	.00882	.0090
	0,236	0,04374	.00929	
0,250	*0,250*	0,04909	.00984	.0100

1	2	3	4	5
Nenndrahtdurchmesser			Nominal wire diameter	
ISO 4782 **R 10** und R 20	bei Bedarf if needed *R 40*	Querschnitt cross section	Genauwert correct equivalent	commonly used USA wire diameters
mm	mm	mm²	inch	inch
	0,265	0,05515	.01043	
0,280	*0,280*	0,06158	.01102	.011
	0,300	0,07069	.01181	.012
0,315	*0,315*	0,07793	.01240	.0125
	0,335	0,08814	.01319	.013
0,355	*0,355*	0,09898	.01398	.014
	0,375	0,11045	.01476	.015
0,400	*0,400*	0,12566	.01575	.016
	0,425	0,14186	.01673	.017
0,450	*0,450*	0,15904	.01772	.018
	0,475	0,17721	.01870	
0,500	*0,500*	0,19635	.01969	.020
	0,530	0,22062	.02087	.021
0,560	*0,560*	0,24630	.02205	.022
	0,600	0,28274	.02362	
0,630	*0,630*	0,31172	.02480	.025
	0,670	0,35257	.02638	
0,710	*0,710*	0,39592	.02795	.028
	0,750	0,44179	.02953	
0,800	*0,800*	0,50265	.03150	.032
	0,850	0,56745	.03346	
0,900	*0,900*	0,63617	.03543	.035
	0,950	0,70882	.03740	
1,000	*1,000*	0,78540	.03937	.040
	1,060	0,88247	.04173	
1,120	*1,120*	0,98520	.04409	.045
	1,180	1,09359	.04646	.047
1,250	*1,250*	1,22718	.04921	.050
	1,320	1,36848	.05197	
1,400	*1,400*	1,53938	.05512	.055
	1,500	1,76715	.05906	
1,600	*1,600*	2,01062	.06299	.063
	1,700	2,26980	.06693	
1,800	*1,800*	2,54469	.07087	.071
	1,900	2,83529	.07480	
2,000	*2,000*	3,14159	.07874	.080
	2,120	3,52989	.08346	
2,240	*2,240*	3,94081	.08819	.090
	2,360	4,37435	.09291	.093
2,500	*2,500*	4,90874	.09843	.100
	2,650	5,51546	.10433	.105
2,800	*2,800*	6,15752	.11024	.110
	3,000	7,06858	.11811	.120
3,150	*3,150*	7,79311	.12402	.125

Metalldraht für Siebgewebe
Nenndrahtdurchmesser nach DIN ISO 4782, d = 3,35 mm – 25 mm

1	2	3	4	5
Nenndrahtdurchmesser			Nominal wire diameter	
ISO 4782 **R 10** und R 20	bei Bedarf if needed *R 40*	Querschnitt cross section	Genauwert correct equivalent	commonly used USA wire diameters
mm	mm	mm²	inch	inch
	3,350	8,81413	.13189	.135
3,550	*3,550*	9,89798	.13976	.140
	3,750	11,04466	.14764	.148
4,000	*4,000*	12,56637	.15748	.160
	4,250	14,18625	.16732	
4,500	*4,500*	15,90431	.17717	.180
	4,750	17,72055	.18701	.192
5,000	*5,000*	19,63495	.19685	.200
	5,300	22,06183	.20866	.207
5,600	*5,600*	24,63009	.22047	.220
	6,000	28,27433	.23622	
6,300	*6,300*	31,17245	.24803	.250
	6,700	35,25652	.26378	
7,100	*7,100*	39,59192	.27953	
	7,500	44,17865	.29528	
8,000	*8,000*	50,26548	.31496	.315
	8,500	56,74502	.33465	
9,000	*9,000*	63,61725	.35433	
	9,500	70,88218	.37402	
10,00	*10,000*	78,53982	.39370	.400
	10,600	88,24734	.41732	
11,20	*11,200*	98,52035	.44094	
	11,800	109,35884	.46457	
12,50	*12,500*	122,71846	.49213	.500
	13,200	136,84778	.51969	
14,00	*14,000*	153,93804	.55118	
	15,000	176,71459	.59055	
16,00	*16,000*	201,06193	.62992	.630
	17,000	226,98007	.66929	
18,00	*18,000*	254,46900	.70866	
	19,000	283,52874	.74803	
20,00	*20,000*	314,15927	.78740	.800
	21,200	352,98935	.83465	
22,40	*22,400*	394,08138	.88189	
	23,600	437,43536	.92913	
25,00	*25,000*	490,87385	.98425	1.000

Normzahlen DIN 323-1 – 1974

Diese Normzahlen werden für Drahtdurchmesser und auch für Maschenweiten von Drahtgeweben verwendet.
Normzahlen sind gerundete Glieder geometrischer Reihen, die die ganzzahligen Potenzen von 10 enthalten. Stufensprünge sind:

$$\sqrt[5]{10} \approx 1{,}6$$

$$\sqrt[10]{10} \approx 1{,}25$$

$$\sqrt[20]{10} \approx 1{,}12$$

$$\sqrt[40]{10} \approx 1{,}06$$

Formel zur Berechnung des Draht-Querschnittes A (mm²):

$$A = d^2 \cdot \frac{\pi}{4} \quad \text{bzw.} \quad A = d^2 \cdot 0{,}7854$$

Formel zur Bestimmung der Draht-Lauflänge L (m/kg):
(Quelle: DIN ISO 4782, Oktober 1993)

$$L = \frac{4 \cdot 10^6}{\pi \cdot d^2 \cdot \rho}$$

ρ = die Dichte des Werkstoffs in kg/m³

Beispiele für Stahl, ρ = 7850 kg/m³ *:

Drahtdurchmesser wire diameter d mm	Querschnitt cross section A mm²	Lauflänge running length L m/kg
0,02	0,000314159	405490,30087
0,2	0,031415927	4054,90301
2	3,141592654	40,54903
20	314,1592654	0,40549

* weitere Werkstoffdichten s. DIN ISO 4782, Tabelle 2