

KERNLOCHBOHRUNGEN - CORE HOLES

M DIN 13, ISO 261, *5H / 6H

Ø	P	Kern-Ø Mutter - Core Ø nut			
		Ø mini	Ø maxi	Ø guide line	
d ₁	mm	Ø mini	Ø maxi	Ø guide line	
* 1	0.25	0.729	0.785	0.75	
* 1.1	0.25	0.829	0.885	0.85	
* 1.2	0.25	0.929	0.985	0.95	
* 1.4	0.30	1.075	1.142	1.10	
1.6	0.35	1.221	1.321	1.25	
1.7	0.35	1.321	1.421	1.35	
1.8	0.35	1.421	1.521	1.45	
2	0.40	1.567	1.679	1.60	
2.2	0.45	1.713	1.838	1.75	
2.3	0.40	1.867	1.979	1.90	
2.5	0.45	2.013	2.138	2.05	
2.6	0.45	2.113	2.238	2.15	
3	0.50	2.459	2.599	2.50	
3.5	0.60	2.850	3.010	2.90	
4	0.70	3.242	3.422	3.30	
4.5	0.75	3.688	3.878	3.75	
5	0.80	4.134	4.334	4.20	
6	1.00	4.917	5.153	5.00	
7	1.00	5.917	6.153	6.00	
8	1.25	6.647	6.912	6.80	
9	1.25	7.647	7.912	7.80	
10	1.50	8.376	8.676	8.50	
11	1.50	9.376	9.676	9.50	
12	1.75	10.106	10.441	10.20	
14	2.00	11.835	12.210	12.00	
16	2.00	13.835	14.210	14.00	
18	2.50	15.294	15.744	15.50	
20	2.50	17.294	17.744	17.50	
22	2.50	19.294	19.744	19.50	
24	3.00	20.752	21.252	21.00	
27	3.00	23.752	24.252	24.00	
30	3.50	26.211	26.771	26.50	
33	3.50	29.211	29.771	29.50	
36	4.00	31.670	32.270	32.00	
39	4.00	34.670	35.270	35.00	
42	4.50	37.129	37.799	37.50	
45	4.50	40.129	40.799	40.50	
48	5.00	42.587	43.297	43.00	
52	5.00	46.587	47.297	47.00	
56	5.50	50.046	50.796	50.50	

MF DIN 13, ISO 261, 6H

Ø	P	Kern-Ø Mutter - Core Ø nut			
		Ø mini	Ø maxi	Ø guide line	
d ₁	mm	Ø mini	Ø maxi	Ø guide line	
8	1.00	6.917	7.153	7.00	
9	0.75	8.188	8.378	8.25	
9	1.00	7.917	8.153	8.00	
10	0.75	9.188	9.378	9.25	
10	1.00	8.917	9.153	9.00	
10	1.25	8.647	8.912	8.80	
11	0.75	10.188	10.378	10.25	
11	1.00	9.917	10.153	10.00	
12	1.00	10.917	11.153	11.00	
12	1.25	10.647	10.912	10.80	
12	1.50	10.376	10.676	10.50	
14	1.00	12.917	13.153	13.00	
14	1.25	12.647	12.912	12.80	
14	1.50	12.376	12.676	12.50	
15	1.00	13.917	14.153	14.00	
15	1.50	13.376	13.676	13.50	
16	1.00	14.917	15.153	15.00	
16	1.50	14.376	14.676	14.50	
17	1.00	15.917	16.153	16.00	
17	1.50	15.376	15.676	15.50	
18	1.00	16.917	17.153	17.00	
18	1.50	16.376	16.676	16.50	
18	2.00	15.835	16.210	16.00	
20	1.00	18.917	19.153	19.00	
20	1.50	18.376	18.676	18.50	
20	2.00	17.835	18.210	18.00	
22	1.00	20.917	21.153	21.00	
22	1.50	20.376	20.676	20.50	
22	2.00	19.835	20.210	20.00	
24	1.00	22.917	23.153	23.00	
24	1.50	22.376	22.676	22.50	
24	2.00	21.835	22.210	22.00	
25	1.00	23.917	24.153	24.00	
25	1.50	23.376	23.676	23.50	
25	2.00	22.835	23.210	23.00	
27	1.50	25.376	25.676	25.50	
27	2.00	24.835	25.210	25.00	
28	1.00	26.917	27.153	27.00	
28	1.50	26.376	26.676	26.50	
28	2.00	25.835	26.210	26.00	
30	1.00	28.917	29.153	29.00	
30	1.50	28.376	28.676	28.50	
30	2.00	27.835	28.210	28.00	
32	1.50	30.376	30.676	30.50	
32	2.00	29.835	30.210	30.00	
33	1.50	31.376	31.676	31.50	
33	2.00	30.835	31.210	31.00	
35	1.50	33.376	33.676	33.50	
36	1.50	34.376	34.676	34.50	
36	2.00	33.835	34.210	34.00	
36	3.00	32.752	33.252	33.00	
39	1.50	37.376	37.676	37.50	
39	2.00	36.835	37.210	37.00	
39	3.00	35.752	36.252	36.00	
40	1.50	38.376	38.676	38.50	


MF DIN 13, ISO 261, 6H

Ø	P	Kern-Ø Mutter - Core Ø nut			
		Ø mini	Ø maxi	Ø guide line	
d ₁	mm	Ø mini	Ø maxi	Ø guide line	
2.5	0.35	2.121	2.221	2.15	
3	0.35	2.621	2.721	2.65	
3.5	0.35	3.121	3.221	3.15	
4	0.50	3.459	3.599	3.50	
4.5	0.50	3.959	4.099	4.00	
5	0.50	4.459	4.599	4.50	
5.5	0.50	4.959	5.099	5.00	
6	0.75	5.188	5.378	5.25	
7	0.75	6.188	6.378	6.25	
8	0.75	7.188	7.378	7.25	




KERNLOCHBOHRUNGEN - CORE HOLES


MF DIN 13, ISO 261, 6H

Ø	P	Kern-Ø Mutter - Core Ø nut			
		Ø mini	Ø maxi	Ø guide line	
d ₁	mm	Ø mini	Ø maxi	Ø guide line	
40	2.00	37.835	38.210	38.00	
40	3.00	36.752	37.252	37.00	
42	1.50	40.376	40.676	40.50	
42	2.00	39.835	40.210	40.00	
42	3.00	38.752	39.252	39.00	
45	1.50	43.376	43.676	43.50	
45	2.00	42.835	43.210	43.00	
45	3.00	41.752	42.252	42.00	
48	1.50	46.376	46.676	46.50	
48	2.00	45.835	46.210	46.00	
48	3.00	44.752	45.252	45.00	
50	1.50	48.376	48.676	48.50	
50	2.00	47.835	48.210	48.00	
50	3.00	46.752	47.252	47.00	
52	1.50	50.376	50.676	50.50	
52	2.00	49.835	50.210	50.00	
52	3.00	48.752	49.252	49.00	
55	2.00	52.835	53.210	53.00	
60	2.00	57.835	58.210	58.00	


MF EN 60423:1994, 7H

Ø	P	Kern-Ø Mutter - Core Ø nut			
		Ø mini	Ø maxi	Ø guide line	
d ₁	mm	Ø mini	Ø maxi	Ø guide line	
8	1.00	6.917	7.217	7.00	
10	1.00	8.917	9.217	9.00	
12	1.50	10.376	10.751	10.50	
16	1.50	14.376	14.751	14.50	
20	1.50	18.376	18.751	18.50	
25	1.50	23.376	23.751	23.50	
32	1.50	30.376	30.751	30.50	
40	1.50	38.376	38.751	38.50	
63	1.50	61.376	61.751	61.50	


UNC ANSI B1.1, 2B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut			
			Ø mini	Ø maxi	Ø guide line	
d ₁	TPI	mm	Ø mini	Ø maxi	Ø guide line	
1	64	0.397	1.425	1.582	1.45	
2	56	0.454	1.695	1.871	1.75	
3	48	0.529	1.941	2.146	2.00	
4	40	0.635	2.157	2.385	2.25	
5	40	0.635	2.487	2.697	2.55	
6	32	0.794	2.642	2.895	2.75	
8	32	0.794	3.302	3.530	3.40	
10	24	1.058	3.683	3.962	3.80	
12	24	1.058	4.344	4.597	4.40	
1/4"	20	1.270	4.979	5.257	5.10	
5/16"	18	1.411	6.401	6.731	6.50	

UNC ANSI B1.1, 2B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut			
			Ø mini	Ø maxi	Ø guide line	
d ₁	TPI	mm	Ø mini	Ø maxi	Ø guide line	
3/8"	16	1.588	7.798	8.153	8.00	
7/16"	14	1.814	9.144	9.550	9.30	
1/2"	13	1.954	10.592	11.023	10.80	
9/16"	12	2.117	11.989	12.446	12.20	
5/8"	11	2.309	13.386	13.868	13.60	
3/4"	10	2.540	16.307	16.840	16.60	
7/8"	9	2.822	19.177	19.761	19.50	
1"	8	3.175	21.971	22.606	22.30	
1 1/8"	7	3.629	24.638	25.349	25.00	
1 1/4"	7	3.629	27.813	28.524	28.20	
1 3/8"	6	4.233	30.353	31.115	30.80	
1 1/2"	6	4.233	33.528	34.290	34.00	
1 3/4"	5	5.080	38.964	39.827	39.50	
2"	4.5	5.644	44.679	45.593	45.30	

UNJC ISO 3161:1999, 3B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut			
			Ø mini	Ø maxi	Ø guide line	
d ₁	TPI	mm	Ø mini	Ø maxi	Ø guide line	
4	40	0.635	2.228	2.393	2.30	
5	40	0.635	2.558	2.723	2.60	
6	32	0.794	2.733	2.939	2.80	
8	32	0.794	3.393	3.599	3.45	
10	24	1.058	3.795	4.064	3.90	
12	24	1.058	4.455	4.704	4.55	
1/4"	20	1.270	5.113	5.387	5.20	
5/16"	18	1.411	6.563	6.833	6.70	
3/8"	16	1.588	7.978	8.255	8.10	
7/16"	14	1.814	9.347	9.639	9.40	
1/2"	13	1.954	10.798	11.095	10.90	
9/16"	12	2.117	12.228	12.482	12.40	
5/8"	11	2.309	13.627	13.904	13.80	
3/4"	10	2.540	16.576	16.881	16.70	

KERNLOCHBOHRUNGEN - CORE HOLES

UNF ANSI B1.1, 2B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
0	80	0.318	1.182	1.305	1.20
1	72	0.353	1.474	1.612	1.50
2	64	0.397	1.756	1.912	1.80
3	56	0.454	2.025	2.197	2.10
4	48	0.529	2.271	2.458	2.35
5	44	0.577	2.551	2.740	2.60
6	40	0.635	2.820	3.022	2.90
8	36	0.706	3.404	3.606	3.50
10	32	0.794	3.963	4.165	4.05
12	28	0.907	4.496	4.724	4.60
1/4"	28	0.907	5.360	5.588	5.50
5/16"	24	1.058	6.782	7.035	6.90
3/8"	24	1.058	8.382	8.636	8.50
7/16"	20	1.270	9.729	10.033	9.80
1/2"	20	1.270	11.329	11.607	11.40
9/16"	18	1.411	12.751	13.081	12.90
5/8"	18	1.411	14.351	14.681	14.50
3/4"	16	1.588	17.323	17.678	17.50
7/8"	14	1.814	20.270	20.675	20.40
1"	12	2.117	23.114	23.571	23.30
1 1/8"	12	2.117	26.289	26.746	26.50
1 1/4"	12	2.117	29.464	29.921	29.70
1 3/8"	12	2.117	32.639	33.096	32.80
1 1/2"	12	2.117	35.814	36.271	36.00

UNEF ANSI B1.1, 2B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
12	32	0.794	4.623	4.826	4.70
1/4"	32	0.794	5.487	5.689	5.60
5/16"	32	0.794	7.087	7.264	7.20
3/8"	32	0.794	8.662	8.864	8.75
7/16"	28	0.907	10.135	10.337	10.25
1/2"	28	0.907	11.710	11.938	11.85
9/16"	24	1.058	13.132	13.385	13.20
5/8"	24	1.058	14.732	14.986	14.80
11/16"	24	1.058	16.307	16.560	16.40
3/4"	20	1.270	17.679	17.957	17.80
13/16"	20	1.270	19.254	19.558	19.40
7/8"	20	1.270	20.854	21.132	21.00
1"	20	1.270	24.029	24.307	24.10

UN ANSI B1.1, 2B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
5/16"	20	1.270	6.554	6.858	6.70
3/8"	20	1.270	8.154	8.432	8.30
9/16"	20	1.270	12.904	13.208	13.00
5/8"	20	1.270	14.504	14.782	14.60
1 1/8"	8	3.175	25.146	25.781	25.50
1 1/4"	8	3.175	28.321	28.956	28.70
1 3/8"	8	3.175	31.496	32.131	31.80
1 1/2"	8	3.175	34.671	35.306	35.00
1 5/8"	8	3.175	37.846	38.481	38.20
1 3/4"	8	3.175	41.021	41.656	41.40
1 7/8"	8	3.175	44.196	44.831	44.50
2"	8	3.175	47.371	48.006	47.70
2 1/4"	8	3.175	53.721	54.356	54.10
2 1/2"	8	3.175	60.071	60.706	60.40

UNJF ISO 3161:1999, 3B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
0	80	0.318	1.217	1.298	1.25
1	72	0.353	1.511	1.603	1.55
2	64	0.397	1.798	1.902	1.85
3	56	0.454	2.073	2.189	2.15
4	48	0.529	2.329	2.466	2.35
5	44	0.577	2.614	2.764	2.70
6	40	0.635	2.888	3.053	2.95
8	36	0.706	3.480	3.663	3.60
10	32	0.794	4.054	4.255	4.10
12	28	0.907	4.602	4.816	4.70
1/4"	28	0.907	5.466	5.662	5.55
5/16"	24	1.058	6.906	7.109	7.00
3/8"	24	1.058	8.494	8.679	8.60
7/16"	20	1.270	9.876	10.084	10.00
1/2"	20	1.270	11.463	11.661	11.55
9/16"	18	1.411	12.913	13.122	13.05
5/8"	18	1.411	14.501	14.702	14.60
3/4"	16	1.588	17.506	17.722	17.60
7/8"	14	1.814	20.460	20.706	20.50
1"	12	2.117	23.340	23.594	23.40



KERNLOCHBOHRUNGEN - CORE HOLES

UNS ANSI B1.1, 2B

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
10	36	0.706	4.064	4.216	4.10
10	40	0.635	4.141	4.292	4.20
10	56	0.454	4.344	4.445	4.40
1/4"	36	0.706	5.588	5.740	5.65
1/4"	40	0.635	5.665	5.816	5.70
1/4"	48	0.529	5.766	5.892	5.80
1/4"	56	0.454	5.868	5.969	5.90
5/16"	36	0.706	7.163	7.340	7.25
3/8"	36	0.706	8.763	8.940	8.80
7/16"	24	1.058	9.957	10.210	10.00
1/2"	24	1.058	11.557	11.811	11.60
1"	14	1.814	23.445	23.825	23.60

W (BSW) BS 84, (DIN11 - 1970)

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
(3/32")	48				1.80
1/8"	40	0.635	2.362	2.591	2.50
(5/32")	32				3.10
3/16"	24	1.058	3.406	3.744	3.60
(7/32")	24				4.40
1/4"	20	1.270	4.724	5.156	4.90
5/16"	18	1.411	6.129	6.588	6.40
3/8"	16	1.588	7.493	7.988	7.70
7/16"	14	1.814	8.791	9.332	9.10
1/2"	12	2.117	9.987	10.589	10.30
5/8"	11	2.309	12.918	13.558	13.30
3/4"	10	2.540	15.799	16.484	16.20
7/8"	9	2.822	18.613	19.355	19.25
1"	8	3.175	21.336	22.149	21.90

G (BSP) DIN ISO 228

Ø"	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
1/16"	28	0.907	6.561	6.843	6.75
1/8"	28	0.907	8.566	8.848	8.75
1/4"	19	1.337	11.445	11.890	11.60
3/8"	19	1.337	14.950	15.395	15.20
1/2"	14	1.814	18.631	19.172	18.90
5/8"	14	1.814	20.587	21.128	20.90
3/4"	14	1.814	24.117	24.658	24.40
7/8"	14	1.814	27.877	28.418	28.20
1"	11	2.309	30.291	30.931	30.70
1 1/8"	11	2.309	34.939	35.579	35.30
1 1/4"	11	2.309	38.952	39.592	39.30
1 3/8"	11	2.309	41.365	42.005	41.80
1 1/2"	11	2.309	44.845	45.485	45.20
1 3/4"	11	2.309	50.788	51.428	51.20
2"	11	2.309	56.656	57.296	57.00
2 1/4"	11	2.309	62.752	63.392	63.10
2 1/2"	11	2.309	72.226	72.866	72.60
3"	11	2.309	84.926	85.566	85.30

PG DIN 40430

Ø	P	P	Kern-Ø Mutter - Core Ø nut		
d _i	TPI	mm	Ø mini	Ø maxi	Ø guide line
7	20	1.270	11.28	11.43	11.35
9	18	1.411	13.86	14.01	13.90
11	18	1.411	17.26	17.41	17.30
13.5	18	1.411	19.06	19.21	19.10
16	18	1.411	21.16	21.31	21.20
21	16	1.588	26.78	27.03	26.80
29	16	1.588	35.48	35.73	35.50
36	16	1.588	45.48	45.73	45.50
42	16	1.588	52.48	52.73	52.50
48	16	1.588	57.78	58.03	57.80

TR ISO 2901-2904, DIN 103, 7H

Ø	P	Kern-Ø Mutter - Core Ø nut		
d _i	mm	Ø mini	Ø maxi	Ø guide line
10	2	8	8.236	8.20
12	3	9	9.315	9.25
14	3	11	11.315	11.25
16	4	12	12.375	12.25
18	4	14	14.375	14.25
20	4	16	16.375	16.25
22	5	17	17.450	17.25
24	5	19	19.450	19.25
26	5	21	21.450	21.25
28	5	23	23.450	23.25
30	6	24	24.500	24.25
32	6	26	26.500	26.25