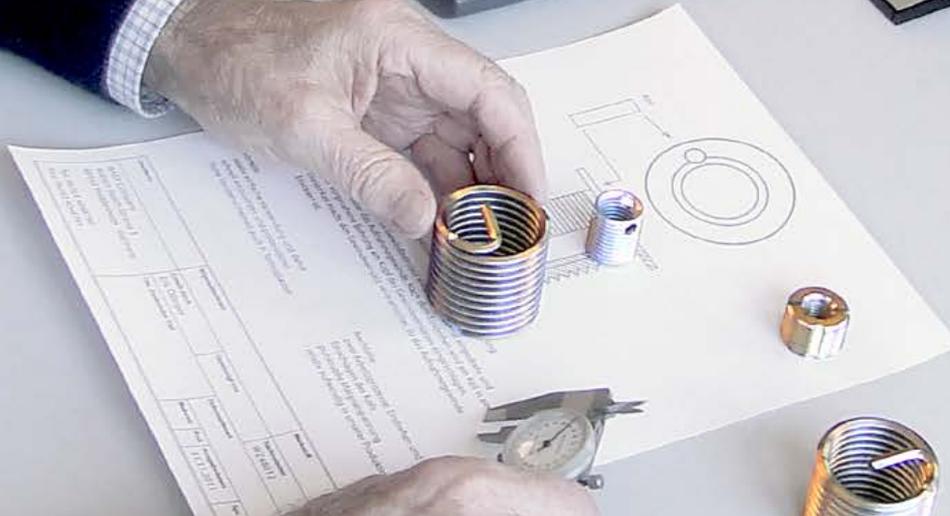


Datos Técnicos

Insertos de alambre para Reforzar y Reparar Roscas



Material	Diámetro	Longitud	Resistencia
Aluminio	10	100	1000
Aluminio	12	150	1500
Aluminio	15	200	2000
Aluminio	20	300	3000
Aluminio	25	400	4000
Aluminio	30	500	5000
Aluminio	40	700	7000
Aluminio	50	1000	10000
Aluminio	60	1500	15000
Aluminio	80	2500	25000
Aluminio	100	4000	40000



Material	Diámetro	Longitud	Resistencia
Aluminio	10	100	1000
Aluminio	12	150	1500
Aluminio	15	200	2000
Aluminio	20	300	3000
Aluminio	25	400	4000
Aluminio	30	500	5000
Aluminio	40	700	7000
Aluminio	50	1000	10000
Aluminio	60	1500	15000
Aluminio	80	2500	25000
Aluminio	100	4000	40000

Material	Diámetro	Longitud	Resistencia
Aluminio	10	100	1000
Aluminio	12	150	1500
Aluminio	15	200	2000
Aluminio	20	300	3000
Aluminio	25	400	4000
Aluminio	30	500	5000
Aluminio	40	700	7000
Aluminio	50	1000	10000
Aluminio	60	1500	15000
Aluminio	80	2500	25000
Aluminio	100	4000	40000



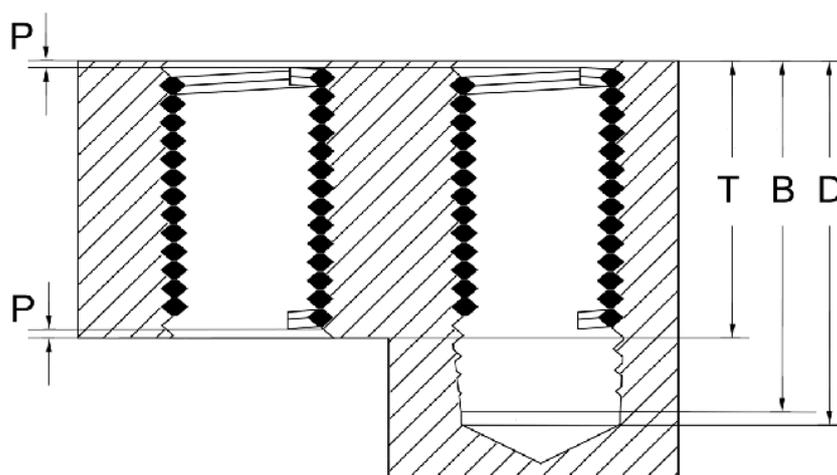
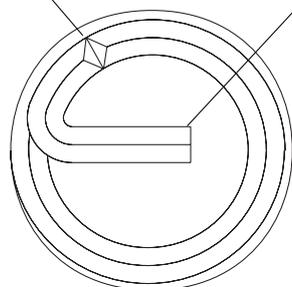
Datos técnicos de Insertos de alambre para Rosca según DIN 8140

DIN 8140 con diámetro reducido para una mejor instalación.

M	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (mm)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
M 2 x 0.4	2.00	3.80	3.40	3.00	4.80	4.40	4.00	5.80	5.40	5.00	6.80	6.40	6.00	7.80	7.40	2.48	2.70
M 2.2 x 0.45	2.20	4.23	3.78	3.30	5.33	4.88	4.40	6.43	5.98	5.50	7.53	7.08	6.60	8.63	8.18		
M 2.5 x 0.45	2.50	4.52	4.07	3.75	5.78	5.33	5.00	7.03	6.58	6.25	8.28	7.83	7.50	9.53	9.08	3.04	3.70
M 3 x 0.5	3.00	5.25	4.75	4.50	6.75	6.25	6.00	8.25	7.75	7.50	9.75	9.25	9.00	11.25	10.75	3.60	4.35
M 3.5 x 0.6	3.50	6.20	5.60	5.25	7.95	7.35	7.00	9.70	9.10	8.75	11.45	10.85	10.50	13.20	12.60	4.22	4.95
M 4 x 0.7	4.00	7.15	6.45	6.00	9.15	8.45	8.00	11.15	10.45	10.00	13.15	12.45	12.00	15.15	14.45	4.83	5.60
M 4.5 x 0.75	4.50	7.88	7.13	6.75	10.13	9.38	9.00	12.38	11.63	11.25	14.63	13.88	13.50	16.88	16.13		
M 5 x 0.8	5.00	8.60	7.80	7.50	11.10	10.30	10.00	13.60	12.80	12.50	16.10	15.30	15.00	18.60	17.80	5.94	6.80
M 6 x 1.0	6.00	10.50	9.50	9.00	13.50	12.50	12.00	16.50	15.50	15.00	19.50	18.50	18.00	22.50	21.50	7.17	7.95
M 7 x 1.0	7.00	11.50	10.50	10.50	15.00	14.00	14.00	18.50	17.50	17.50	22.00	21.00	21.00	25.50	24.50	8.17	9.20
M 8 x 1.0	8.00	12.50	11.50	12.00	16.50	15.50	16.00	20.50	19.50	20.00	24.50	23.50	24.00	28.50	27.50	9.17	10.25
M 8 x 1.25	8.00	13.63	12.38	12.00	17.63	16.38	16.00	21.63	20.38	20.00	25.63	24.38	24.00	29.63	28.38	9.45	10.35
M 9 x 1.0	9.00	13.50	12.50	13.50	18.00	17.00	18.00	22.50	21.50	22.50	27.00	26.00	27.00	31.50	30.50	10.17	11.23
M 9 x 1.25	9.00	14.63	13.38	13.50	19.13	17.88	18.00	23.63	22.38	22.50	28.13	26.88	27.00	32.63	31.38	10.45	11.16
M 10 x 1.0	10.00	14.50	13.50	15.00	19.50	18.50	20.00	24.50	23.50	25.00	29.50	28.50	30.00	34.50	33.50	11.17	12.50
M 10 x 1.25	10.00	15.63	14.38	15.00	20.63	19.38	20.00	25.63	24.38	25.00	30.63	29.38	30.00	35.63	34.38	11.45	12.65
M 10 x 1.5	10.00	16.75	15.25	15.00	21.75	20.25	20.00	26.75	25.25	25.00	31.75	30.25	30.00	36.75	35.25	11.74	12.50
M 11 x 1.25	11.00	16.62	15.37	16.50	22.12	20.87	22.00	27.62	26.37	27.50	33.12	31.87	33.00	38.62	37.37	12.47	13.76
M 11 x 1.5	11.00	17.75	16.25	16.50	23.25	21.75	22.00	28.75	27.25	27.50	34.25	32.75	33.00	39.75	38.25	12.74	13.59
M 12 x 1.25	12.00	17.63	16.38	18.00	23.63	22.38	24.00	29.63	27.38	30.00	35.63	34.38	36.00	41.63	40.38	13.47	15.00
M 12 x 1.5	12.00	18.75	17.25	18.00	24.00	23.25	24.00	30.75	29.25	30.00	36.75	35.25	36.00	42.75	41.25	13.75	15.20
M 12 x 1.75	12.00	19.88	18.13	18.00	25.88	24.13	24.00	31.88	30.13	30.00	37.88	36.13	36.00	43.88	42.13	14.03	15.00
M 14 x 1.25	14.00	19.62	18.37	21.00	26.62	25.37	28.00	33.62	32.37	35.00	40.62	39.37	42.00	47.62	46.37	15.47	17.03
M 14 x 1.5	14.00	20.75	19.25	21.00	27.75	26.25	28.00	34.75	33.25	35.00	41.75	40.25	42.00	48.75	47.25	15.75	17.25
M 14 x 2.0	14.00	23.00	21.00	21.00	30.00	28.00	28.00	37.00	35.00	35.00	44.00	42.00	42.00	51.00	49.00	16.31	17.35
M 16 x 1.5	16.00	22.75	21.25	24.00	30.75	29.25	32.00	38.75	37.25	40.00	46.75	45.25	48.00	54.75	53.25	17.75	19.60
M 16 x 2.0	16.00	25.00	23.00	24.00	33.00	31.00	32.00	41.00	39.00	40.00	49.00	47.00	48.00	57.00	55.00	18.31	19.60
M 18 x 1.5	18.00	24.75	23.25	27.00	33.75	32.25	36.00	42.75	41.25	45.00	51.75	50.25	54.00	60.75	59.25	19.75	21.85
M 18 x 2.0	18.00	27.00	25.00	27.00	36.00	34.00	36.00	45.00	43.00	45.00	54.00	52.00	54.00	63.00	61.00	20.31	21.85
M 18 x 2.5	18.00	29.25	26.75	27.00	38.25	35.75	36.00	47.25	44.75	45.00	56.25	53.75	54.00	65.25	62.75	20.86	22.00

Precortado Punto Ruptura

Lengüeta



- P Instalación inserto 1/4 – 1/2 vuelta por debajo de la superficie
- T Longitud del Inserto, cuando está instalado
- B Profundidad del roscado, al roscar con el macho
- D Profundidad del taladro (mín.) - sin punta
- F Diámetro de la espiral libre - sin montar



Datos técnicos de Insertos de alambre para Rosca según DIN 8140

DIN 8140 con diámetro reducido para una mejor instalación.

M	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (mm)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
M 20 x 1.5	20.00	26.75	25.25	30.00	36.75	35.25	40.00	46.75	45.25	50.00	56.75	55.25	60.00	66.75	65.25	21.75	24.00
M 20 x 2.0	20.00	29.00	27.00	30.00	39.00	37.00	40.00	49.00	47.00	50.00	59.00	57.00	60.00	69.00	67.00	22.31	24.05
M 20 x 2.5	20.00	31.25	28.75	30.00	41.25	38.75	40.00	51.25	48.75	50.00	61.25	58.75	60.00	71.25	68.75	22.86	24.40
M 22 x 1.5	22.00	28.75	27.25	33.00	39.75	38.25	44.00	50.75	49.25	55.00	61.75	60.25	66.00	72.75	71.25	23.75	26.45
M 22 x 2.0	22.00	31.00	29.00	33.00	42.00	40.00	44.00	53.00	51.00	55.00	64.00	62.00	66.00	75.00	73.00	24.31	26.50
M 22 x 2.5	22.00	33.25	30.75	33.00	44.25	41.75	44.00	55.25	52.75	55.00	66.25	63.75	66.00	77.25	74.75	24.86	26.90
M 24 x 2.0	24.00	33.00	31.00	36.00	45.00	43.00	48.00	57.00	55.00	60.00	69.00	67.00	72.00	81.00	79.00	26.32	29.10
M 24 x 3.0	24.00	37.50	34.50	36.00	49.50	46.50	48.00	61.50	58.50	60.00	73.50	70.50	72.00	85.50	82.50	27.43	29.00
M 27 x 2.0	27.00	36.00	34.00	40.50	49.50	47.50	54.00	63.00	61.00	67.50	76.50	74.50	81.00	90.00	88.00	29.32	32.30
M 27 x 3.0	27.00	40.50	37.50	40.50	54.00	51.00	54.00	67.50	64.50	67.50	81.00	78.00	81.00	94.50	91.50	30.43	32.40
M 30 x 3.0	30.00	43.50	40.50	45.00	58.50	55.50	60.00	73.50	70.50	75.00	88.50	85.50	90.00	103.50	100.50	33.43	36.10
M 30 x 3.5	30.00	45.75	42.25	45.00	60.75	57.25	60.00	75.75	72.25	75.00	90.75	87.25	90.00	105.75	102.25	33.99	35.81
M 33 x 3.5	33.00	48.75	45.25	49.50	65.25	61.75	66.00	81.75	78.25	82.50	98.25	94.75	99.00	114.75	111.25	36.99	38.80
M 36 x 3.0	36.00	49.50	46.50	54.00	67.50	64.50	72.00	85.50	82.50	90.00	103.50	100.50	108.00	121.50	118.50	39.43	42.70
M 36 x 4.0	36.00	54.00	50.00	54.00	72.00	68.00	72.00	90.00	86.00	90.00	108.00	104.00	108.00	126.00	122.00	40.54	42.67
M 39 x 4.0	39.00	57.00	53.00	58.50	76.50	72.50	78.00	96.00	92.00	97.50	115.50	111.50	117.00	135.00	131.00	43.54	45.75
M 42 x 3.0	42.00	55.50	52.50	63.00	76.50	73.50	84.00	97.50	94.50	105.00	118.50	115.50	126.00	139.50	136.50	45.43	49.00
M 42 x 4.5	42.00	62.25	57.75	63.00	83.25	78.75	84.00	104.25	99.75	105.00	125.25	120.75	126.00	146.25	141.75	47.10	49.00

G (BSP)	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (inch)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
1/8 x 28	0.125	0.287	0.251	0.187	0.349	0.313	0.250	0.412	0.376	0.312	0.474	0.438	0.375	0.537	0.501	0.426	0.472
1/4 x 19	0.250	0.488	0.435	0.375	0.613	0.560	0.500	0.738	0.685	0.625	0.863	0.810	0.750	0.988	0.935	0.582	0.637
3/8 x 19	0.375	0.613	0.560	0.562	0.800	0.747	0.750	0.988	0.935	0.937	1.175	1.122	1.125	1.363	1.310	0.720	0.787
1/2 x 14	0.500	0.820	0.749	0.750	1.070	0.999	1.000	1.320	1.249	1.250	1.570	1.499	1.500	1.821	1.749	0.911	0.992
5/8 x 14	0.625	0.945	0.874	0.937	1.257	1.186	1.250	1.570	1.499	1.562	1.882	1.811	1.875	2.195	2.124	0.988	1.078
3/4 x 14	0.750	1.070	0.999	1.125	1.445	1.374	1.500	1.820	1.749	1.875	2.195	2.124	2.250	2.570	2.499	1.127	1.228
7/8 x 14	0.875	1.195	1.124	1.312	1.632	1.561	1.750	2.070	1.999	2.187	2.507	2.436	2.625	2.945	2.874	1.275	1.389
1" x 11	1.000	1.410	1.319	1.500	1.910	1.819	2.000	2.410	2.319	2.500	2.910	2.819	3.000	3.410	3.319	1.416	1.543
1.1/4" x 11	1.250	1.660	1.569	1.875	2.285	2.194	2.500	2.910	2.819	3.125	3.535	3.440	3.750	4.160	4.069	1.759	1.909
1.1/2" x 11	1.506	1.910	1.819	2.250	2.660	2.569	3.000	3.410	3.319	3.750	4.160	4.069	4.500	4.910	4.819	1.991	2.161

BA	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (inch)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
BA 0	0.236	0.413	0.374	0.354	0.531	0.492	0.472	0.649	0.610	0.591	0.768	0.729	0.709	0.886	0.847	0.280	0.309
BA 1	0.209	0.368	0.333	0.313	0.472	0.437	0.417	0.567	0.541	0.522	0.681	0.646	0.626	0.785	0.750	0.248	0.273
BA 2	0.185	0.329	0.297	0.278	0.422	0.390	0.370	0.514	0.482	0.463	0.607	0.575	0.555	0.699	0.667	0.220	0.243
BA 3	0.616	0.132	0.262	0.242	0.372	0.343	0.323	0.453	0.424	0.404	0.543	0.505	0.484	0.614	0.585	0.193	0.213
BA 4	0.142	0.259	0.233	0.213	0.330	0.304	0.283	0.400	0.374	0.354	0.471	0.455	0.425	0.542	0.516	0.170	0.188
BA 5	0.126	0.230	0.207	0.189	0.293	0.270	0.252	0.356	0.333	0.315	0.419	0.396	0.378	0.482	0.459	0.152	0.167
BA 6	0.110	0.204	0.183	0.165	0.259	0.238	0.220	0.314	0.293	0.276	0.370	0.349	0.331	0.425	0.404	0.133	0.147



Datos técnicos de Insertos de alambre para Rosca según DIN 8140

DIN 8140 con diámetro reducido para una mejor instalación.

UNC	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (inch)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
2 x 56	0.086	0.166	0.148	0.129	0.209	0.191	0.172	0.252	0.234	0.215	0.295	0.277	0.258	0.338	0.320	0.107	0.119
3 x 48	0.099	0.193	0.172	0.148	0.242	0.221	0.198	0.292	0.271	0.248	0.342	0.321	0.297	0.391	0.370	0.124	0.139
4 x 40	0.112	0.224	0.199	0.168	0.280	0.255	0.224	0.336	0.311	0.280	0.392	0.367	0.336	0.448	0.423	0.142	0.159
5 x 40	0.125	0.237	0.212	0.187	0.300	0.275	0.250	0.362	0.337	0.312	0.425	0.400	0.375	0.487	0.462	0.155	0.173
6 x 32	0.138	0.279	0.247	0.207	0.348	0.316	0.276	0.417	0.385	0.345	0.486	0.454	0.414	0.555	0.523	0.175	0.193
8 x 32	0.164	0.305	0.273	0.246	0.387	0.355	0.328	0.469	0.437	0.410	0.551	0.519	0.492	0.633	0.601	0.201	0.220
10 x 24	0.190	0.377	0.336	0.285	0.472	0.431	0.380	0.567	0.526	0.475	0.662	0.621	0.570	0.757	0.716	0.238	0.259
12 x 24	0.216	0.404	0.362	0.324	0.512	0.470	0.432	0.620	0.578	0.540	0.727	0.686	0.648	0.836	0.794	0.265	0.283
1/4 x 20	0.250	0.475	0.425	0.375	0.600	0.550	0.500	0.725	0.675	0.625	0.850	0.800	0.750	0.975	0.925	0.308	0.330
5/16 x 18	0.312	0.562	0.507	0.469	0.719	0.663	0.625	0.875	0.819	0.781	1.031	0.976	0.937	1.187	1.132	0.377	0.400
3/8 x 16	0.375	0.656	0.594	0.562	0.844	0.781	0.750	1.031	0.969	0.937	1.219	1.156	1.125	1.406	1.344	0.447	0.472
7/16 x 14	0.437	0.759	0.687	0.656	0.978	0.906	0.875	1.196	1.125	1.094	1.415	1.343	1.312	1.634	1.562	0.520	0.551
1/2 x 13	0.500	0.846	0.769	0.750	1.096	1.019	1.000	1.346	1.269	1.250	1.596	1.519	1.500	1.846	1.769	0.588	0.622
9/16 x 12	0.562	0.937	0.854	0.844	1.219	1.135	1.125	1.500	1.417	1.406	1.781	1.698	1.687	2.062	1.979	0.659	0.694
5/8 x 11	0.625	1.034	0.943	0.937	1.347	1.256	1.250	1.659	1.568	1.562	1.972	1.881	1.875	2.284	2.193	0.730	0.767
3/4 x 10	0.750	1.200	1.100	1.125	1.575	1.475	1.500	1.950	1.850	1.875	2.325	2.225	2.250	2.700	2.600	0.865	0.906
7/8 x 9	0.875	1.375	1.264	1.312	1.812	1.701	1.750	2.250	2.139	2.187	2.687	2.576	2.625	3.125	3.014	1.002	1.052
1" x 8	1.000	1.563	1.437	1.500	2.062	1.937	2.000	2.562	2.437	2.500	3.062	2.937	3.000	3.562	3.437	1.143	1.196
1.1/8" x 7	1.125	1.768	1.625	1.687	2.330	2.187	2.250	2.893	2.750	2.812	3.455	3.312	3.375	4.018	3.875	1.288	1.355
1.1/4" x 7	1.250	1.893	1.750	1.875	2.518	2.375	2.500	3.143	3.000	3.125	3.768	3.625	3.750	4.393	4.250	1.413	1.483
1.3/8" x 6	1.375	2.125	1.958	2.062	2.812	2.646	2.750	3.500	3.333	3.437	4.187	4.021	4.125	4.875	4.708	1.565	1.643
1.1/2" x 6	1.500	2.250	2.083	2.250	3.000	2.833	3.000	3.750	3.583	3.750	4.500	4.333	4.500	5.250	5.083	1.690	1.772

UNF	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (inch)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
2 x 64	0.086	0.156	0.141	0.129	0.199	0.184	0.172	0.242	0.227	0.215	0.285	0.270	0.258	0.328	0.313	0.105	0.116
3 x 56	0.099	0.179	0.161	0.148	0.228	0.210	0.198	0.278	0.260	0.248	0.328	0.310	0.297	0.377	0.359	0.120	0.146
4 x 48	0.112	0.206	0.185	0.168	0.262	0.241	0.224	0.318	0.297	0.280	0.374	0.353	0.336	0.430	0.409	0.137	0.162
5 x 44	0.125	0.227	0.205	0.188	0.290	0.268	0.250	0.352	0.330	0.312	0.414	0.392	0.375	0.477	0.455	0.152	0.168
6 x 40	0.138	0.250	0.225	0.207	0.319	0.294	0.276	0.388	0.363	0.345	0.457	0.432	0.414	0.526	0.501	0.168	0.193
8 x 36	0.164	0.289	0.261	0.246	0.371	0.343	0.328	0.453	0.425	0.410	0.535	0.507	0.492	0.617	0.589	0.197	0.224
10 x 32	0.190	0.331	0.299	0.285	0.426	0.394	0.380	0.521	0.489	0.475	0.616	0.584	0.570	0.711	0.679	0.227	0.256
1/4 x 28	0.250	0.411	0.375	0.375	0.536	0.500	0.500	0.661	0.625	0.625	0.786	0.750	0.750	0.911	0.875	0.292	0.326
5/16 x 24	0.312	0.500	0.458	0.469	0.656	0.615	0.625	0.812	0.771	0.781	0.969	0.927	0.937	1.125	1.083	0.361	0.400
3/8 x 24	0.375	0.562	0.521	0.562	0.750	0.708	0.750	0.937	0.896	0.937	1.125	1.083	1.125	1.312	1.271	0.424	0.468
7/16 x 20	0.437	0.662	0.612	0.656	0.881	0.831	0.875	1.100	1.050	1.094	1.319	1.269	1.312	1.537	1.488	0.496	0.549
1/2 x 20	0.500	0.725	0.675	0.750	0.975	0.925	1.000	1.225	1.175	1.250	1.475	1.425	1.500	1.725	1.675	0.559	0.617
9/16 x 18	0.562	0.812	0.757	0.844	1.094	1.038	1.125	1.375	1.319	1.406	1.656	1.601	1.687	1.937	1.882	0.628	0.691
5/8 x 18	0.625	0.875	0.819	0.937	1.187	1.132	1.250	1.500	1.444	1.562	1.812	1.757	1.875	2.125	2.069	0.690	0.758
3/4 x 16	0.750	1.031	0.969	1.125	1.406	1.344	1.500	1.781	1.719	1.875	2.156	2.094	2.250	2.531	2.469	0.823	0.901
7/8 x 14	0.875	1.196	1.125	1.312	1.634	1.562	1.750	2.071	2.000	2.187	2.509	2.437	2.625	2.946	2.875	0.958	1.051
1" x 12	1.000	1.375	1.292	1.500	1.875	1.792	2.000	2.375	2.292	2.500	2.875	2.792	3.000	3.375	3.292	1.097	1.199
1.1/8" x 12	1.125	1.500	1.417	1.687	2.062	1.979	2.250	2.625	2.542	2.812	3.187	3.104	3.375	3.750	3.667	1.222	1.334
1.1/4" x 12	1.250	1.625	1.542	1.875	2.250	2.167	2.500	2.875	2.792	3.125	3.500	3.417	3.750	4.125	4.042	1.347	1.469
1.3/8" x 12	1.375	1.750	1.667	2.062	2.437	2.354	2.750	3.125	3.042	3.437	3.812	3.729	4.125	4.500	4.417	1.472	1.610
1.1/2" x 12	1.500	1.875	1.792	2.250	2.625	2.542	3.000	3.375	3.292	3.750	4.125	4.042	4.500	4.875	4.792	1.598	1.745

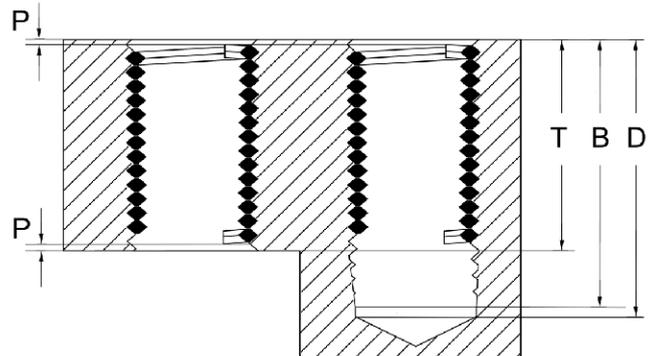


Datos técnicos de Insertos de alambre para Rosca según DIN 8140

DIN 8140 con diámetro reducido para una mejor instalación.

BSW	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (inch)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
1/8 x 40	0.125	0.237	0.212	0.187	0.299	0.274	0.250	0.362	0.337	0.312	0.425	0.400	0.375	0.487	0.462	0.155	0.173
3/16 x 24	0.187	0.375	0.332	0.281	0.468	0.426	0.375	0.562	0.520	0.468	0.656	0.612	0.562	0.750	0.708	0.237	0.256
1/4 x 20	0.125	0.475	0.425	0.375	0.600	0.550	0.500	0.725	0.675	0.625	0.850	0.800	0.750	0.975	0.925	0.309	0.331
5/16 x 18	0.312	0.562	0.507	0.469	0.719	0.663	0.625	0.875	0.819	0.781	1.031	0.976	0.937	1.187	1.132	0.378	0.401
3/8 x 16	0.375	0.656	0.594	0.562	0.844	0.781	0.750	1.031	0.969	0.937	1.219	1.156	1.125	1.406	1.344	0.449	0.472
7/16 x 14	0.437	0.759	0.687	0.656	0.978	0.906	0.875	1.196	1.125	1.093	1.415	1.343	1.312	1.634	1.562	0.522	0.551
1/2 x 12	0.500	0.875	0.792	0.750	1.125	1.042	1.050	1.375	1.292	1.250	1.625	1.542	1.500	1.875	1.792	0.598	0.630
9/16 x 12	0.562	0.937	0.854	0.844	1.219	1.135	1.125	1.500	1.417	1.406	1.781	1.698	1.687	2.062	1.979	0.661	0.694
5/8 x 11	0.625	1.034	0.943	0.937	1.347	1.256	1.250	1.659	1.568	1.562	1.972	1.881	1.875	2.234	2.193	0.732	0.767
11/16 x 11	0.687	1.097	1.006	1.031	1.441	1.350	1.375	1.696	1.694	1.718	2.128	2.037	2.062	2.472	2.381		
3/4 x 10	0.750	1.200	1.100	1.125	1.575	1.475	1.500	1.950	1.850	1.875	2.325	2.225	2.250	2.700	2.606	0.868	0.905
7/8 x 9	0.875	1.375	1.264	1.312	1.812	1.701	1.750	2.250	2.139	2.187	2.687	2.576	2.625	3.125	3.014	1.006	1.051
1" x 8	1.000	1.563	1.437	1.500	2.062	1.937	2.000	2.562	2.437	2.500	3.062	2.937	3.000	3.562	3.437	1.147	1.197
1.1/8" x 7	1.125	1.768	1.625	1.687	2.330	2.187	2.250	2.893	2.750	2.812	3.455	3.312	3.375	4.018	3.875	1.293	1.354
1.1/4" x 7	1.250	1.893	1.750	1.875	2.518	2.375	2.500	3.143	3.000	3.125	3.768	3.625	3.750	4.393	4.250	1.418	1.484
1.1/2" x 6	1.500	2.250	2.083	2.250	3.000	2.833	3.000	3.750	3.583	3.750	4.500	4.333	4.500	5.250	5.083	1.696	1.776

BSF	1,0 D			1,5 D			2,0 D			2,5 D			3,0 D			F (inch)	
	T	D	B	T	D	B	T	D	B	T	D	B	T	D	B	min.	max.
3/16 x 32	0.187	0.327	0.296	0.281	0.421	0.390	0.375	0.515	0.484	0.468	0.608	0.577	0.562	0.702	0.671	0.225	0.247
7/32 x 28	0.218	0.379	0.343	0.328	0.489	0.453	0.437	0.598	0.562	0.546	0.707	0.671	0.656	0.817	0.781		
1/4 x 26	0.250	0.423	0.385	0.375	0.548	0.510	0.500	0.673	0.635	0.625	0.798	0.760	0.750	0.923	0.885	0.296	0.331
9/32 x 26	0.281	0.454	0.416	0.421	0.594	0.566	0.562	0.735	0.697	0.703	0.876	0.838	0.843	1.016	0.978		
5/16 x 22	0.312	0.516	0.471	0.469	0.673	0.628	0.625	0.829	0.784	0.781	0.985	0.940	0.937	1.141	1.096	0.367	0.405
3/8 x 20	0.375	0.325	0.550	0.562	0.787	0.737	0.750	0.975	0.925	0.937	1.162	1.112	1.125	1.350	1.300	0.435	0.476
7/16 x 18	0.437	0.687	0.631	0.656	0.906	0.850	0.875	1.125	1.069	1.093	1.343	1.287	1.312	1.562	1.506	0.504	0.555
1/2 x 16	0.500	0.781	0.719	0.750	1.031	0.969	1.000	1.281	1.219	1.250	1.531	1.469	1.500	1.781	1.719	0.575	0.630
9/16 x 16	0.562	0.843	0.781	0.844	1.125	1.063	1.125	1.406	1.344	1.406	1.687	1.625	1.687	1.968	1.906	0.637	0.700
5/8 x 14	0.625	0.946	0.875	0.937	1.258	1.187	1.250	1.571	1.500	1.562	1.883	1.812	1.875	2.196	2.125	0.710	0.775
11/16 x 14	0.687	1.008	0.937	1.031	1.352	1.281	1.375	1.696	1.625	1.718	2.039	1.968	2.062	2.383	2.312		
3/4 x 12	0.750	1.125	1.042	1.125	1.500	1.417	1.500	1.875	1.792	1.875	2.250	2.167	2.250	2.625	2.542	0.849	0.925
13/16 x 12	0.812	1.187	1.104	1.218	1.593	1.510	1.625	2.000	1.917	2.031	2.406	2.323	2.437	2.812	2.729		
7/8 x 11	0.875	1.284	1.193	1.312	1.721	1.630	1.750	2.159	2.068	2.187	2.596	2.505	2.625	3.034	2.943	0.983	1.074
1" x 10	1.000	1.450	1.350	1.500	1.950	1.850	2.000	2.450	2.350	2.500	2.950	2.850	3.000	3.450	3.350	1.119	1.220
1.1/8" x 9	1.125	1.625	1.514	1.687	2.187	2.076	2.250	2.750	2.639	2.812	3.312	3.201	3.375	3.875	3.764	1.257	1.366
1.1/4" x 9	1.250	1.750	1.639	1.875	2.375	2.264	2.500	3.000	2.889	3.125	3.625	3.514	3.750	4.250	4.139	1.382	1.500
1.3/8" x 8	1.375	1.938	1.813	2.062	2.625	2.500	2.750	3.312	3.188	3.437	4.000	3.875	4.125	4.688	4.563	1.523	1.657
1.1/2" x 8	1.500	2.063	1.938	2.250	2.813	2.688	3.000	3.563	3.438	3.750	4.313	4.188	4.500	5.063	4.938	1.648	1.811



- P Instalación inserto 1/4 – 1/2 vuelta por debajo de la superficie
- T Longitud del Inserto, cuando está instalado
- B Profundidad del roscado, al roscar con el macho
- D Profundidad del taladro (mín.) - sin punta
- F Diámetro de la espiral libre - sin montar

Información de velocidades para Machos de Laminación

materiales	resistencia a la tracción	velocidad en m/min	lubricación recomendada
acero de construcción, aceros de mecanizado libre, aceros de extrusión en frío, etc.	< 600 N/mm ²	20 - 80	Aceite de corte/ Emulsion
aceros de construcción, aceros termoaislables, aceros fundidos, etc.	< 800 N/mm ²	20 - 60	Aceite de corte/ Emulsion
aceros tratables térmicamente, aceros de extrusión en frío, aceros para nitruración, etc.	< 1000 N/mm ²	10 - 40	Aceite de corte
Aceros a prueba de corrosión y ácidos ferrítico, martensítico	< 950 N/mm ²	10 - 25 (con emulsión simplemente limitada)	Aceite de corte
Aceros corrosivos y a prueba de ácidos austeníticos	< 950 N/mm ²	10 - 25 (con emulsión simplemente limitada)	Aceite de corte
aleaciones forjadas de aluminio	< 550 N/mm ²	15 - 40	Aceite de corte/ Emulsion
aleaciones de aluminio fundido	Si < 12%	15 - 40	Aceite de corte/ Emulsion
cobre puro	< 400 N/mm ²	20 - 40	Aceite de corte/ Emulsion
aleaciones de cobre y zinc (virutas largas de Latón)	< 550 N/mm ²	40 - 80	Emulsion

Velocidad de formación (corte) [m / min] = (diámetro * π * número de rotación) / 1000
 número de rotación n [1 / min] = (velocidad de corte en m / min * 1000) / (diámetro * π)
 programación de alimentación [mm / min] = número de rotación * tono

Tenga en cuenta que las velocidades de corte mencionadas son solo orientativas. La velocidad de corte correcta depende de la lubricación y la aplicación.