

ACTIE TITEX XPL BOREN

Start Datum

Eind Datum: 27-2-2015

Duur: zolang de voorraad strekt! (voorraad Walter-Titex)



Component							
#	Beschrijving insert	Promotioneel Nr SAP	LH art.nr	Standaard prijs (excl BTW)	Promotionele korting	Promotionele prijs (excl BTW)	Verpakt per
1	A1149XPL-1 -BOW	6763855	172737	12,7	65%	4,45	5
2	A1149XPL-1.1 -BOW	6763856	172738	12,7	65%	4,45	5
3	A1149XPL-1.2 -BOW	6763857	172739	12,7	65%	4,45	5
4	A1149XPL-1.3 -BOW	6763858	172717	12,65	65%	4,43	5
5	A1149XPL-1.4 -BOW	6763859	172704	12,51	65%	4,38	5
6	A1149XPL-1.5 -BOW	6763870	172626	12,1	65%	4,24	5
7	A1149XPL-1/16IN -BOW	6763871	172685	12,39	65%	4,34	1
8	A1149XPL-1.6 -BOW	6763872	172683	12,39	65%	4,34	5
9	A1149XPL-1.7 -BOW	6763873	172684	12,39	65%	4,34	5
10	A1149XPL-1.8 -BOW	6763874	172669	12,33	65%	4,32	5
11	A1149XPL-1.9 -BOW	6763875	172670	12,33	65%	4,32	5
12	A1149XPL-2 -BOW	6763876	172475	10,95	65%	3,83	5
13	A1149XPL-2.1 -BOW	6763877	172572	11,65	65%	4,08	5
14	A1149XPL-2.2 -BOW	6763878	172592	11,82	65%	4,14	5
15	A1149XPL-2.3 -BOW	6763879	172671	12,33	65%	4,32	5
16	A1149XPL-3/32IN -BOW	6763880	172719	12,65	65%	4,43	1
17	A1149XPL-2.4 -BOW	6763881	172718	12,65	65%	4,43	5
18	A1149XPL-NO41 -BOW	6763882		12,85	65%	4,50	5
19	A1149XPL-NO40 -BOW	6763883		12,85	65%	4,50	5
20	A1149XPL-2.5 -BOW	6763884	172773	12,85	65%	4,50	5
21	A1149XPL-NO39 -BOW	6763885		12,7	65%	4,45	5
22	A1149XPL-NO38 -BOW	6763886		12,7	65%	4,45	5
23	A1149XPL-2.6 -BOW	6763887	172740	12,7	65%	4,45	5
24	A1149XPL-2.7 -BOW	6763888	172741	12,7	65%	4,45	5
25	A1149XPL-2.8 -BOW	6763889	172804	13,05	65%	4,57	5
26	A1149XPL-2.9 -BOW	6763890	172828	13,14	65%	4,60	5
27	A1149XPL-3 -BOW	6763891	172867	13,32	65%	4,66	5
28	A1149XPL-3.1 -BOW	6763892	172849	13,27	65%	4,64	1
29	A1149XPL-1/8IN -BOW	6763893	172712	12,58	65%	4,40	1
30	A1149XPL-3.2 -BOW	6763894	172713	12,58	65%	4,40	1
31	A1149XPL-NO30 -BOW	6763895		12,58	65%	4,40	1
32	A1149XPL-3.3 -BOW	6763896	172714	12,58	65%	4,40	1
33	A1149XPL-3.4 -BOW	6763897	172872	13,37	65%	4,68	1
34	A1149XPL-NO29 -BOW	6763898		13,55	65%	4,74	1
35	A1149XPL-3.5 -BOW	6763899	145991	13,55	65%	4,74	1
36	A1149XPL-3.6 -BOW	6763900	172921	13,85	65%	4,85	1
37	A1149XPL-3.7 -BOW	6763901	172947	13,95	65%	4,88	1
38	A1149XPL-3.8 -BOW	6763902	172978	14,12	65%	4,94	1
39	A1149XPL-3.9 -BOW	6763903	173010	14,3	65%	5,01	1
40	A1149XPL-4 -BOW	6763904	173101	15,04	65%	5,26	1
41	A1149XPL-4.1 -BOW	6763905	173102	15,04	65%	5,26	1
42	A1149XPL-4.2 -BOW	6763906	173153	15,51	65%	5,43	1
43	A1149XPL-4.3 -BOW	6763907	173103	15,04	65%	5,26	1
44	A1149XPL-4.5 -BOW	6763908	173179	15,74	65%	5,51	1
45	A1149XPL-4.6 -BOW	6763909	173180	15,74	65%	5,51	1
46	A1149XPL-4.65 -BOW	6763910	173298	16,54	65%	5,79	1
47	A1149XPL-4.8 -BOW	6763911	173230	16,09	65%	5,63	1
48	A1149XPL-4.9 -BOW	6763912	173261	16,43	65%	5,75	1
49	A1149XPL-5 -BOW	6763913	173321	16,83	65%	5,89	1
50	A1149XPL-5.1 -BOW	6763914	173314	16,78	65%	5,87	1
51	A1149XPL-NO7 -BOW	6763915		16,78	65%	5,87	1
52	A1149XPL-5.2 -BOW	6763916	173432	17,53	65%	6,14	1
53	A1149XPL-5.3 -BOW	6763917	173470	17,81	65%	6,23	1
54	A1149XPL-5.5 -BOW	6763918	173563	18,86	65%	6,60	1
55	A1149XPL-5.55 -BOW	6763919	173564	18,86	65%	6,60	1
56	A1149XPL-7/32IN -BOW	6763920	173568	18,86	65%	6,60	1
57	A1149XPL-5.6 -BOW	6763921	173565	18,86	65%	6,60	1
58	A1149XPL-5.7 -BOW	6763922	173566	18,86	65%	6,60	1
59	A1149XPL-5.8 -BOW	6763923	173612	19,22	65%	6,73	1
60	A1149XPL-5.9 -BOW	6763924	173613	19,22	65%	6,73	1
61	A1149XPL-15/64IN -BOW	6763925	173562	18,86	65%	6,60	1
62	A1149XPL-6 -BOW	6763926	173567	18,86	65%	6,60	1
63	A1149XPL-6.1 -BOW	6763927	174380	27	65%	9,45	1
64	A1149XPL-6.2 -BOW	6763928	174427	27,4	65%	9,59	1
65	A1149XPL-6.3 -BOW	6763929	174461	27,7	65%	9,70	1
66	A1149XPL-1/4IN -BOW	6763930	174592	29,1	65%	10,19	1

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Duur: zolang de voorraad strekt! (voorraad Walter-Titex)

Component							
#	Beschrijving insert	Promotioneel Nr SAP	LH art.nr	Standaard prijs (excl BTW)	Promotionele korting	Promotionele prijs (excl BTW)	Verpakt per
67	A1149XPL-6.4 -BOW	6763931	174593	29,1	65%	10,19	1
68	A1149XPL-6.5 -BOW	6763932	174209	25,4	65%	8,89	1
69	A1149XPL-6.6 -BOW	6763933	174610	29,4	65%	10,29	1
70	A1149XPL-6.7 -BOW	6763934	174676	30	65%	10,50	1
71	A1149XPL-17/64IN -BOW	6763935	174719	30,6	65%	10,71	1
72	A1149XPL-6.8 -BOW	6763936	174720	30,6	65%	10,71	1
73	A1149XPL-6.9 -BOW	6763937	174760	30,9	65%	10,82	1
74	A1149XPL-7 -BOW	6763938	174493	28	65%	9,80	1
75	A1149XPL-7.1 -BOW	6763939	175256	36,1	65%	12,64	1
76	A1149XPL-9/32IN -BOW	6763940	175292	36,6	65%	12,81	1
77	A1149XPL-7.2 -BOW	6763941	175290	36,6	65%	12,81	1
78	A1149XPL-7.4 -BOW	6763942	175379	37,2	65%	13,02	1
79	A1149XPL-7.5 -BOW	6763943	174698	30,3	65%	10,61	1
80	A1149XPL-7.8 -BOW	6763944	175449	38,6	65%	13,51	1
81	A1149XPL-7.9 -BOW	6763945	175450	38,6	65%	13,51	1
82	A1149XPL-5/16IN -BOW	6763946	175448	38,6	65%	13,51	1
83	A1149XPL-8 -BOW	6763947	174784	31,1	65%	10,89	1
84	A1149XPL-8.1 -BOW	6763948	175451	38,6	65%	13,51	1
85	A1149XPL-8.2 -BOW	6763949	175692	39,8	65%	13,93	1
86	A1149XPL-8.3 -BOW	6763950	175865	41,3	65%	14,46	1
87	A1149XPL-8.4 -BOW	6763951	176292	43,6	65%	15,26	1
88	A1149XPL-8.5 -BOW	6763952	174871	32,3	65%	11,31	1
89	A1149XPL-8.6 -BOW	6763953	176337	44,1	65%	15,44	1
90	A1149XPL-8.7 -BOW	6763954	176338	44,1	65%	15,44	1
91	A1149XPL-8.8 -BOW	6763955	176437	46,2	65%	16,17	1
92	A1149XPL-LET.S -BOW	6763956		46,2	65%	16,17	1
93	A1149XPL-9 -BOW	6763957	175222	35,5	65%	12,43	1
94	A1149XPL-9.3 -BOW	6763958	176544	48,7	65%	17,05	1
95	A1149XPL-LET.U -BOW	6763959		49,6	65%	17,36	1
96	A1149XPL-9.5 -BOW	6763960	175401	37,8	65%	13,23	1
97	A1149XPL-3/8IN -BOW	6763961	175400	37,8	65%	13,23	1
98	A1149XPL-9.8 -BOW	6763962	177074	54,5	65%	19,08	1
99	A1149XPL-10 -BOW	6763963	175690	39,8	65%	13,93	1
100	A1149XPL-10.2 -BOW	6763964	177424	61,2	65%	21,42	1
101	A1149XPL-10.5 -BOW	6763965	177072	54,5	65%	19,08	1
102	A1149XPL-27/64IN -BOW	6763966	178404	76,7	65%	26,85	1
103	A1149XPL-10.8 -BOW	6763967	178403	76,7	65%	26,85	1
104	A1149XPL-11 -BOW	6763968	177293	58,8	65%	20,58	1
105	A1149XPL-7/16IN -BOW	6763969	177294	58,8	65%	20,58	1
106	A1149XPL-11.5 -BOW	6763970	177332	60	65%	21,00	1
107	A1149XPL-11.8 -BOW	6763971	178619	81,9	65%	28,67	1
108	A1149XPL-12 -BOW	6763972	177333	60	65%	21,00	1
109	A1149XPL-12.5 -BOW	6763973	177691	66,9	65%	23,42	1
110	A1149XPL-1/2IN -BOW	6763974	178094	71,5	65%	25,03	1
111	A1149XPL-13 -BOW	6763975	178096	71,5	65%	25,03	1
112	A1149XPL-13.5 -BOW	6763976	178620	81,9	65%	28,67	1
113	A1149XPL-14 -BOW	6763977	144895	83,1	65%	29,09	1
114	A1149XPL-14.5 -BOW	6763978	178928	88,3	65%	30,91	1
115	A1149XPL-15 -BOW	6763979	179167	93,5	65%	32,73	1
116	A1149XPL-15.5 -BOW	6763980	179303	96,3	65%	33,71	1
117	A1149XPL-16 -BOW	6763981	179400	99,2	65%	34,72	1
118	A1149XPL-16.5 -BOW	6763982	179860	112	65%	39,20	1
119	A1149XPL-17 -BOW	6763983	179918	113	65%	39,55	1
120	A1149XPL-17.5 -BOW	6763984	179962	115	65%	40,25	1
121	A1149XPL-18 -BOW	6763985	179963	115	65%	40,25	1
122	A1149XPL-19 -BOW	6763986	180053	119	65%	41,65	1
123	A1149XPL-20 -BOW	6763987	180206	125	65%	43,75	1
124	A1249XPL-1 -BOW	6763988	173507	18,28	65%	6,40	5
125	A1249XPL-NO60 -BOW	6763989		17,26	65%	6,04	5
126	A1249XPL-1,1 -BOW	6763990	173371	17,26	65%	6,04	5
127	A1249XPL-1,2 -BOW	6763991	173372	17,26	65%	6,04	5
128	A1249XPL-1,3 -BOW	6763992	173373	17,26	65%	6,04	5
129	A1249XPL-NO54 -BOW	6763993		17,26	65%	6,04	5
130	A1249XPL-1,4 -BOW	6763994	173374	17,26	65%	6,04	5
131	A1249XPL-1,5 -BOW	6763995	173375	17,26	65%	6,04	5
132	A1249XPL-NO53 -BOW	6763996		16,84	65%	5,89	5

ACTIE TITEX XPL BOREN
Start Datum
Eind Datum:
27-2-2015
Duur:
**zolang de voorraad strekt! (voorraad
Walter-Titex)**


Component							
#	Beschrijving insert	Promotioneel Nr SAP	LH art.nr	Standaard prijs (excl BTW)	Promotionele korting	Promotionele prijs (excl BTW)	Verpakt per
133	A1249XPL-1/16IN -BOW	6763997	173326	16,84	65%	5,89	1
134	A1249XPL-1,6 -BOW	6763998	173322	16,84	65%	5,89	5
135	A1249XPL-1,7 -BOW	6763999	173323	16,84	65%	5,89	5
136	A1249XPL-NO50 -BOW	6764000		16,84	65%	5,89	5
137	A1249XPL-1,8 -BOW	6764001	173324	16,84	65%	5,89	5
138	A1249XPL-NO49 -BOW	6764002		16,84	65%	5,89	5
139	A1249XPL-1,9 -BOW	6764003	173325	16,84	65%	5,89	5
140	A1249XPL-5/64IN -BOW	6764004	173235	16,14	65%	5,65	1
141	A1249XPL-2 -BOW	6764005	173233	16,14	65%	5,65	5
142	A1249XPL-2,1 -BOW	6764006	173290	16,48	65%	5,77	1
143	A1249XPL-2,2 -BOW	6764007	173291	16,48	65%	5,77	1
144	A1249XPL-2,3 -BOW	6764008	173292	16,48	65%	5,77	1
145	A1249XPL-3/32IN -BOW	6764009	173329	16,84	65%	5,89	1
146	A1249XPL-2,4 -BOW	6764010	173327	16,84	65%	5,89	1
147	A1249XPL-NO41 -BOW	6764011		16,14	65%	5,65	1
148	A1249XPL-2,5 -BOW	6764012	173234	16,14	65%	5,65	1
149	A1249XPL-2,6 -BOW	6764013	173328	16,84	65%	5,89	1
150	A1249XPL-2,7 -BOW	6764014	173437	17,55	65%	6,14	1
151	A1249XPL-2,8 -BOW	6764015	173479	17,96	65%	6,29	1
152	A1249XPL-NO34 -BOW	6764016		17,96	65%	6,29	1
153	A1249XPL-2,9 -BOW	6764017	173480	17,96	65%	6,29	1
154	A1249XPL-NO32 -BOW	6764018		16,48	65%	5,77	1
155	A1249XPL-3 -BOW	6764019	173293	16,48	65%	5,77	1
156	A1249XPL-3,1 -BOW	6764020	173508	18,28	65%	6,40	1
157	A1249XPL-1/8IN -BOW	6764021	173436	17,55	65%	6,14	1
158	A1249XPL-3,2 -BOW	6764022	173438	17,55	65%	6,14	1
159	A1249XPL-NO30 -BOW	6764023		18,14	65%	6,35	1
160	A1249XPL-3,3 -BOW	6764024	173490	18,14	65%	6,35	1
161	A1249XPL-3,4 -BOW	6764025	173571	18,91	65%	6,62	1
162	A1249XPL-3,5 -BOW	6764026	173491	18,14	65%	6,35	1
163	A1249XPL-3,6 -BOW	6764027	173637	19,52	65%	6,83	1
164	A1249XPL-3,7 -BOW	6764028	173646	19,68	65%	6,89	1
165	A1249XPL-NO26 -BOW	6764029		19,87	65%	6,95	1
166	A1249XPL-3,8 -BOW	6764030	173658	19,87	65%	6,95	1
167	A1249XPL-3,9 -BOW	6764031	173660	19,92	65%	6,97	1
168	A1249XPL-5/32IN -BOW	6764032	173596	18,96	65%	6,64	1
169	A1249XPL-4 -BOW	6764033	173595	18,96	65%	6,64	1
170	A1249XPL-4,1 -BOW	6764034	173676	20,1	65%	7,04	1
171	A1249XPL-4,2 -BOW	6764035	173621	19,33	65%	6,77	1
172	A1249XPL-4,3 -BOW	6764036	173690	20,34	65%	7,12	1
173	A1249XPL-4,4 -BOW	6764037	173694	20,45	65%	7,16	1
174	A1249XPL-4,5 -BOW	6764038	173647	19,68	65%	6,89	1
175	A1249XPL-4,6 -BOW	6764039	173738	20,85	65%	7,30	1
176	A1249XPL-4,65 -BOW	6764040	173819	21,68	65%	7,59	1
177	A1249XPL-4,7 -BOW	6764041	173754	21,05	65%	7,37	1
178	A1249XPL-3/16IN -BOW	6764042	173767	21,21	65%	7,42	1
179	A1249XPL-4,8 -BOW	6764043	173768	21,21	65%	7,42	1
180	A1249XPL-4,9 -BOW	6764044	173792	21,41	65%	7,49	1
181	A1249XPL-5 -BOW	6764045	173724	20,7	65%	7,25	1
182	A1249XPL-5,1 -BOW	6764046	173822	21,75	65%	7,61	1
183	A1249XPL-5,2 -BOW	6764047	173860	21,94	65%	7,68	1
184	A1249XPL-5,3 -BOW	6764048	173883	22,11	65%	7,74	1
185	A1249XPL-5,4 -BOW	6764049	173896	22,4	65%	7,84	1
186	A1249XPL-5,5 -BOW	6764050	173823	21,75	65%	7,61	1
187	A1249XPL-5,55 -BOW	6764051	173948	23,06	65%	8,07	1
188	A1249XPL-7/32IN -BOW	6764052	173934	22,75	65%	7,96	1
189	A1249XPL-5,6 -BOW	6764053	173933	22,75	65%	7,96	1
190	A1249XPL-5,7 -BOW	6764054	173962	23,11	65%	8,09	1
191	A1249XPL-5,8 -BOW	6764055	174056	23,53	65%	8,24	1
192	A1249XPL-5,9 -BOW	6764056	174057	23,53	65%	8,24	1
193	A1249XPL-6 -BOW	6764057	173963	23,11	65%	8,09	1
194	A1249XPL-6,1 -BOW	6764058	174808	31,4	65%	10,99	1
195	A1249XPL-6,2 -BOW	6764059	144715	32,5	65%	11,38	1
196	A1249XPL-6,3 -BOW	6764060	175079	34,3	65%	12,01	1
197	A1249XPL-6,5 -BOW	6764061	174809	31,4	65%	10,99	1
198	A1249XPL-6,6 -BOW	6764062	175368	37	65%	12,95	1

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Start Datum

Eind Datum:

27-2-2015

Duur:

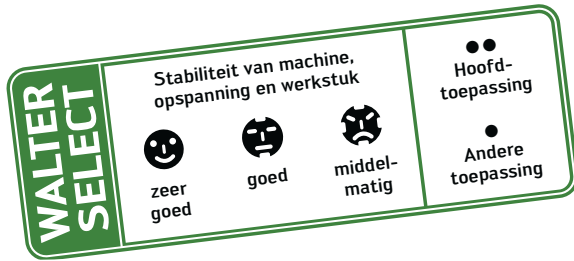
zolang de voorraad strekt! (voorraad
Walter-Titex)



Component

#	Beschrijving insert	Promotioneel Nr SAP	LH art.nr	Standaard prijs (excl BTW)	Promotionele korting	Promotionele prijs (excl BTW)	Verpakt per
199	A1249XPL-6,7 -BOW	6764063	175369	37	65%	12,95	1
200	A1249XPL-6,8 -BOW	6764064	175393	37,5	65%	13,13	1
201	A1249XPL-6,9 -BOW	6764065	175796	40,5	65%	14,18	1
202	A1249XPL-7 -BOW	6764066	175025	33,7	65%	11,80	1
203	A1249XPL-7,2 -BOW	6764067	176377	44,7	65%	15,65	1
204	A1249XPL-7,4 -BOW	6764068	176379	44,7	65%	15,65	1
205	A1249XPL-7,5 -BOW	6764069	175687	39,6	65%	13,86	1
206	A1249XPL-7,8 -BOW	6764070	176496	47,4	65%	16,59	1
207	A1249XPL-8 -BOW	6764071	175804	40,8	65%	14,28	1
208	A1249XPL-8,2 -BOW	6764072	144716	53,8	65%	18,83	1
209	A1249XPL-8,5 -BOW	6764073	176293	43,5	65%	15,23	1
210	A1249XPL-8,6 -BOW	6764074	177414	60,9	65%	21,32	1
211	A1249XPL-8,7 -BOW	6764075	144864	61,5	65%	21,53	1
212	A1249XPL-9 -BOW	6764076	176380	44,7	65%	15,65	1
213	A1249XPL-9,5 -BOW	6764077	176572	49,4	65%	17,29	1
214	A1249XPL-10 -BOW	6764078	176598	50	65%	17,50	1
215	A1249XPL-10,2 -BOW	6764079	144717	72,1	65%	25,24	1
216	A1249XPL-10,5 -BOW	6764080	177804	67,4	65%	23,59	1
217	A1249XPL-11 -BOW	6764081	177827	68	65%	23,80	1
218	A1249XPL-12 -BOW	6764082	178747	84,6	65%	29,61	1
219	A1249XPL-13 -BOW	6764083	180353	130	65%	45,50	1
220	A1249XPL-13,5 -BOW	6764084	180669	144	65%	50,40	1
221	A1249XPL-14 -BOW	6764085	180774	148	65%	51,80	1

Walter Select – volboren HSS-boor



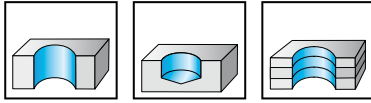
Boordiepte	~3 x D _c	
Bewerkingsvoorwaarden		
Benaming	A1149XPL	A1149TFL
Type	UFL®	UFL®
Afmeting	DIN 1897	DIN 1897
Ø-bereik (mm)	1,00 – 20,00	1,00 – 20,00
Snijmateriaal	HSS-E	HSS-E
Coating	XPL	TFL
Pagina	B 163	B 158

Materiaalgroep	Indeling van de materiaalhoofdgroepen en ISO-normletters		Brinell-hardheid HB	Treksterkte R _m N/mm ²	Verspaningsgroep		
	Werkstukmateriaal						
P	Ongelegeerd en laaggelegeerd staal	gegloeid (veredeld)	210	700	P1, P2, P3, P4, P7	●●	●●
		automaatstaal	220	750	P6	●●	●●
		getemperd	300	1010	P5, P8	●●	●●
		getemperd	380	1280	P9	●●	●●
	Hooggelegeerd staal en gereedschapsstaal	getemperd	430	1480	P10	●●	●●
		gegloeid	200	670	P11	●●	●●
gehard en getemperd		300	1010	P12	●●	●●	
Roestvrij staal	gehard en getemperd	400	1360	P13	●●	●●	
	ferritisch / martensitisch, gegloeid	200	670	P14	●●	●●	
M	Roestvrij staal	martensitisch, getemperd	330	1110	P15	●●	●●
		austenitisch, duplex	230	780	M1, M3	●●	●●
K	Grijs gietijzer	austenitisch, uitgehard (PH)	300	1010	M2	●●	●●
		Modulair gietijzer	245	–	K3, K4	●●	●●
		GGV (CGI)	365	–	K1, K2, K5, K6	●●	●●
N	Aluminiumlegeringen	niet uithardbaar	200	–	K7	●●	●●
		uithardbaar, uitgehard	30	–	N1		
	Aluminiumgietlegeringen	≤ 12 % Si	100	340	N2		
		> 12 % Si	90	310	N3, N4	●●	●
	Magnesiumlegeringen		130	450	N5		
			70	250	N6		
Koper en koperlegeringen (brons / messing)		niet-gelegeerd, elektrolytkoper	100	340	N7	●●	●●
		messing, brons, roodkoper	90	310	N8	●●	●●
	Cu-legeringen, kortverspanend	110	380	N9	●●	●●	
	hoogvast, Ampco	300	1010	N10	●●	●●	
S	Warmtebestendige legeringen	Fe-basis	280	940	S1, S2	●●	●●
		Ni- of Co-basis	250	840	S3	●●	●●
		Ni- of Co-basis	350	1080	S4, S5		
	Titaniumlegeringen	zuiver titaan	200	670	S6		
		α- en β-legeringen, uitgehard	375	1260	S7		
		β-legeringen	410	1400	S8		
Wolframlegeringen		300	1010	S9	●●	●●	
Molybdeenlegeringen		300	1010	S10	●●	●●	
H	Gehard staal		50 HRC	–	H1		
			55 HRC	–	H2, H4		
			60 HRC	–	H3		
O	Thermoplasten	zonder abrasieve vulstoffen			O1	●●	●●
	Duroplasten	zonder abrasieve vulstoffen			O2	●●	●●
	Vezelversterkte kunststof	GFRP, AFRP			O3, O5		
		CFRP			O4		
Grafiet (technisch)			65	O6			

Extra korte spiraalboor A1149XPL UFL®



~ 3 x D_c



- HSS-E - XPL
- Type UFL®
- rechtssnijdend
- 130° punthoek

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 1897	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1149XPL
Cilindrische schacht	1		1	4	26	6	-1
	1,016	No. 60	1,016	4	26	6	-NO60
	1,041	No. 59	1,041	4	26	6	-NO59
	1,067	No. 58	1,067	5	28	7	-NO58
	1,092	No. 57	1,092	5	28	7	-NO57
	1,1		1,1	5	28	7	-1.1
	1,181	No. 56	1,181	6	30	8	-NO56
	1,191	3/64"	1,191	6	30	8	-3/64IN
	1,2		1,2	6	30	8	-1.2
	1,3		1,3	6	30	8	-1.3
	1,321	No. 55	1,321	6	32	9	-NO55
	1,397	No. 54	1,397	6	32	9	-NO54
	1,4		1,4	6	32	9	-1.4
	1,5		1,5	6	32	9	-1.5
	1,511	No. 53	1,511	7	34	10	-NO53
	1,588	1/16"	1,588	7	34	10	-1/16IN
	1,6		1,6	7	34	10	-1.6
	1,613	No. 52	1,613	7	34	10	-NO52
	1,7		1,7	7	34	10	-1.7
	1,702	No. 51	1,702	8	36	11	-NO51
	1,778	No. 50	1,778	8	36	11	-NO50
	1,8		1,8	8	36	11	-1.8
	1,854	No. 49	1,854	8	36	11	-NO49
	1,9		1,9	8	36	11	-1.9
	1,93	No. 48	1,93	8	38	12	-NO48
	1,984	5/64"	1,984	8	38	12	-5/64IN
	1,994	No. 47	1,994	8	38	12	-NO47
	2		2	8	38	12	-2
	2,057	No. 46	2,057	8	38	12	-NO46
	2,083	No. 45	2,083	8	38	12	-NO45
	2,1		2,1	8	38	12	-2.1
	2,184	No. 44	2,184	9	40	13	-NO44
	2,2		2,2	9	40	13	-2.2
	2,261	No. 43	2,261	9	40	13	-NO43
	2,3		2,3	9	40	13	-2.3
	2,375	No. 42	2,375	10	43	14	-NO42
	2,381	3/32"	2,381	10	43	14	-3/32IN
	2,4		2,4	10	43	14	-2.4
	2,438	No. 41	2,438	10	43	14	-NO41
	2,489	No. 40	2,489	10	43	14	-NO40
	2,5		2,5	10	43	14	-2.5
	2,527	No. 39	2,527	10	43	14	-NO39
	2,578	No. 38	2,578	10	43	14	-NO38
	2,6		2,6	10	43	14	-2.6
	2,642	No. 37	2,642	10	43	14	-NO37
	2,7		2,7	11	46	16	-2.7
	2,705	No. 36	2,705	11	46	16	-NO36

Vervolg



Extra korte spiraalboor

A1149XPL

UFL®

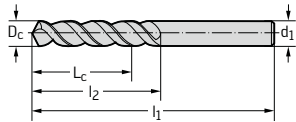


~ 3 x D_c

Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 1897	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1149XPL
Cilindrische schacht	2,778	7/64"	2,778	11	46	16	-7/64IN
	2,794	No. 35	2,794	11	46	16	-N035
	2,8		2,8	11	46	16	-2.8
	2,819	No. 34	2,819	11	46	16	-N034
	2,87	No. 33	2,87	11	46	16	-N033
	2,9		2,9	11	46	16	-2.9
	2,946	No. 32	2,946	11	46	16	-N032
	3		3	11	46	16	-3
	3,048	No. 31	3,048	12	49	18	-N031
	3,1		3,1	12	49	18	-3.1
	3,175	1/8"	3,175	12	49	18	-1/8IN
	3,2		3,2	12	49	18	-3.2
	3,264	No. 30	3,264	12	49	18	-N030
	3,3		3,3	12	49	18	-3.3
	3,4		3,4	14	52	20	-3.4
	3,454	No. 29	3,454	14	52	20	-N029
	3,5		3,5	14	52	20	-3.5
	3,569	No. 28	3,569	14	52	20	-N028
	3,572	9/64"	3,572	14	52	20	-9/64IN
	3,6		3,6	14	52	20	-3.6
	3,658	No. 27	3,658	14	52	20	-N027
	3,7		3,7	14	52	20	-3.7
	3,734	No. 26	3,734	14	52	20	-N026
	3,797	No. 25	3,797	15	55	22	-N025
	3,8		3,8	15	55	22	-3.8
	3,861	No. 24	3,861	15	55	22	-N024
	3,9		3,9	15	55	22	-3.9
	3,912	No. 23	3,912	15	55	22	-N023
	3,969	5/32"	3,969	15	55	22	-5/32IN
	3,988	No. 22	3,988	15	55	22	-N022
	4		4	15	55	22	-4
	4,039	No. 21	4,039	15	55	22	-N021
	4,089	No. 20	4,089	15	55	22	-N020
	4,1		4,1	15	55	22	-4.1
	4,2		4,2	15	55	22	-4.2
	4,216	No. 19	4,216	15	55	22	-N019
	4,3		4,3	16	58	24	-4.3
	4,305	No. 18	4,305	16	58	24	-N018
	4,366	11/64"	4,366	16	58	24	-11/64IN
	4,394	No. 17	4,394	16	58	24	-N017
	4,4		4,4	16	58	24	-4.4
	4,496	No. 16	4,496	16	58	24	-N016
	4,5		4,5	16	58	24	-4.5
	4,572	No. 15	4,572	16	58	24	-N015
	4,6		4,6	16	58	24	-4.6
	4,623	No. 14	4,623	16	58	24	-N014
	4,65		4,65	16	58	24	-4.65
	4,699	No. 13	4,699	16	58	24	-N013
	4,7		4,7	16	58	24	-4.7
	4,763	3/16"	4,763	18	62	26	-3/16IN
	4,8		4,8	18	62	26	-4.8
	4,801	No. 12	4,801	18	62	26	-N012
	4,851	No. 11	4,851	18	62	26	-N011
	4,9		4,9	18	62	26	-4.9
	4,915	No. 10	4,915	18	62	26	-N010





Extra korte spiraalboor A1149XPL UFL®

~ 3 x D_c

Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 1897	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1149XPL
Cilindrische schacht	4,978	No. 9	4,978	18	62	26	-N09
	5		5	18	62	26	-5
	5,055	No. 8	5,055	18	62	26	-N08
	5,1		5,1	18	62	26	-5.1
	5,105	No. 7	5,105	18	62	26	-N07
	5,159	13/64"	5,159	18	62	26	-13/64IN
	5,182	No. 6	5,182	18	62	26	-N06
	5,2		5,2	18	62	26	-5.2
	5,22	No. 5	5,22	18	62	26	-N05
	5,3		5,3	18	62	26	-5.3
	5,309	No. 4	5,309	19	66	28	-N04
	5,4		5,4	19	66	28	-5.4
	5,41	No. 3	5,41	19	66	28	-N03
	5,5		5,5	19	66	28	-5.5
	5,55		5,55	19	66	28	-5.55
	5,556	7/32"	5,556	19	66	28	-7/32IN
	5,6		5,6	19	66	28	-5.6
	5,613	No. 2	5,613	19	66	28	-N02
	5,7		5,7	19	66	28	-5.7
	5,791	No. 1	5,791	19	66	28	-N01
	5,8		5,8	19	66	28	-5.8
	5,9		5,9	19	66	28	-5.9
	5,944	Let.A	5,944	19	66	28	-LET.A
	5,953	15/64"	5,953	19	66	28	-15/64IN
	6		6	19	66	28	-6
	6,045	Let.B	6,045	20	70	31	-LET.B
	6,1		6,1	20	70	31	-6.1
	6,147	Let.C	6,147	20	70	31	-LET.C
	6,2		6,2	20	70	31	-6.2
	6,248	Let.D	6,248	20	70	31	-LET.D
	6,3		6,3	20	70	31	-6.3
	6,35	1/4"	6,35	20	70	31	-1/4IN
	6,4		6,4	20	70	31	-6.4
	6,5		6,5	20	70	31	-6.5
	6,528	Let.F	6,528	20	70	31	-LET.F
	6,6		6,6	20	70	31	-6.6
	6,629	Let.G	6,629	20	70	31	-LET.G
	6,7		6,7	20	70	31	-6.7
	6,747	17/64"	6,747	22	74	34	-17/64IN
	6,756	Let.H	6,756	22	74	34	-LET.H
	6,8		6,8	22	74	34	-6.8
	6,9		6,9	22	74	34	-6.9
	6,909	Let.I	6,909	22	74	34	-LET.I
	7		7	22	74	34	-7
	7,036	Let.J	7,036	22	74	34	-LET.J
	7,1		7,1	22	74	34	-7.1
	7,137	Let.K	7,137	22	74	34	-LET.K
	7,144	9/32"	7,144	22	74	34	-9/32IN
	7,2		7,2	22	74	34	-7.2
	7,3		7,3	22	74	34	-7.3
	7,366	Let.L	7,366	22	74	34	-LET.L
	7,4		7,4	22	74	34	-7.4
	7,493	Let.M	7,493	22	74	34	-LET.M
	7,5		7,5	22	74	34	-7.5

Vervolg



Extra korte spiraalboor

A1149XPL

UFL®



~ 3 x D_c

Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 1897	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1149XPL	
Cilindrische schacht 	7,541	19/64"	7,541	24	79	37	-19/64IN	
	7,6		7,6	24	79	37	-7.6	
	7,671	Let.N	7,671	24	79	37	-LET.N	
	7,7		7,7	24	79	37	-7.7	
	7,8		7,8	24	79	37	-7.8	
	7,9		7,9	24	79	37	-7.9	
	7,938	5/16"	7,938	24	79	79	37	-5/16IN
	8		8	24	79	79	37	-8
	8,026	Let.O	8,026	24	79	79	37	-LET.O
	8,1		8,1	24	79	79	37	-8.1
	8,2		8,2	24	79	79	37	-8.2
	8,204	Let.P	8,204	24	79	79	37	-LET.P
	8,3		8,3	24	79	79	37	-8.3
	8,334	21/64"	8,334	24	79	79	37	-21/64IN
	8,4		8,4	24	79	79	37	-8.4
	8,433	Let.Q	8,433	24	79	79	37	-LET.Q
	8,5		8,5	24	79	79	37	-8.5
	8,6		8,6	25	84	84	40	-8.6
	8,611	Let.R	8,611	25	84	84	40	-LET.R
	8,7		8,7	25	84	84	40	-8.7
	8,731	11/32"	8,731	25	84	84	40	-11/32IN
	8,8		8,8	25	84	84	40	-8.8
	8,839	Let.S	8,839	25	84	84	40	-LET.S
	8,9		8,9	25	84	84	40	-8.9
	9		9	25	84	84	40	-9
	9,093	Let.T	9,093	25	84	84	40	-LET.T
	9,1		9,1	25	84	84	40	-9.1
	9,128	23/64"	9,128	25	84	84	40	-23/64IN
9,2		9,2	25	84	84	40	-9.2	
9,3		9,3	25	84	84	40	-9.3	
9,347	Let.U	9,347	25	84	84	40	-LET.U	
9,4		9,4	25	84	84	40	-9.4	
9,5		9,5	25	84	84	40	-9.5	
9,525	3/8"	9,525	27	89	89	43	-3/8IN	
9,576	Let.V	9,576	27	89	89	43	-LET.V	
9,6		9,6	27	89	89	43	-9.6	
9,7		9,7	27	89	89	43	-9.7	
9,8		9,8	27	89	89	43	-9.8	
9,804	Let.W	9,804	27	89	89	43	-LET.W	
9,9		9,9	27	89	89	43	-9.9	
9,922	25/64"	9,922	27	89	89	43	-25/64IN	
10		10	27	89	89	43	-10	
10,084	Let.X	10,084	27	89	89	43	-LET.X	
10,2		10,2	27	89	89	43	-10.2	
10,262	Let.Y	10,262	27	89	89	43	-LET.Y	
10,319	13/32"	10,319	27	89	89	43	-13/32IN	
10,49	Let.Z	10,49	27	89	89	43	-LET.Z	
10,5		10,5	27	89	89	43	-10.5	
10,716	27/64"	10,716	29	95	95	47	-27/64IN	
10,8		10,8	29	95	95	47	-10.8	
11		11	29	95	95	47	-11	
11,113	7/16"	11,113	29	95	95	47	-7/16IN	
11,2		11,2	29	95	95	47	-11.2	
11,3		11,3	29	95	95	47	-11.3	
11,5		11,5	29	95	95	47	-11.5	

Vervolg



Extra korte spiraalboor A1149XPL UFL®



~ 3 x D_c







Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 1897	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1149XPL
Cilindrische schacht 	11,509	29/64"	11,509	29	95	47	-29/64IN
	11,8		11,8	29	95	47	-11.8
	11,906	15/32"	11,906	37	102	51	-15/32IN
	12		12	37	102	51	-12
	12,303	31/64"	12,303	37	102	51	-31/64IN
	12,5		12,5	37	102	51	-12.5
	12,7	1/2"	12,7	37	102	51	-1/2IN
	12,8		12,8	37	102	51	-12.8
	13		13	37	102	51	-13
	13,097	33/64"	13,097	37	102	51	-33/64IN
	13,1		13,1	37	102	51	-13.1
	13,3		13,3	40	107	54	-13.3
	13,494	17/32"	13,494	40	107	54	-17/32IN
	13,5		13,5	40	107	54	-13.5
	13,891	35/64"	13,891	40	107	54	-35/64IN
	14		14	40	107	54	-14
	14,288	9/16"	14,288	41	111	56	-9/16IN
	14,5		14,5	41	111	56	-14.5
	14,684	37/64"	14,684	41	111	56	-37/64IN
	15		15	41	111	56	-15
15,081	19/32"	15,081	42	115	58	-19/32IN	
15,1		15,1	42	115	58	-15.1	
15,3		15,3	42	115	58	-15.3	
15,478	39/64"	15,478	42	115	58	-39/64IN	
15,5		15,5	42	115	58	-15.5	
15,875	5/8"	15,875	42	115	58	-5/8IN	
16		16	42	115	58	-16	
16,272	41/64"	16,272	43	119	60	-41/64IN	
16,5		16,5	43	119	60	-16.5	
16,669	21/32"	16,669	43	119	60	-21/32IN	
17		17	43	119	60	-17	
17,066	43/64"	17,066	44	123	62	-43/64IN	
17,463	11/16"	17,463	44	123	62	-11/16IN	
17,5		17,5	44	123	62	-17.5	
17,859	45/64"	17,859	44	123	62	-45/64IN	
18		18	44	123	62	-18	
18,256	23/32"	18,256	45	127	64	-23/32IN	
18,5		18,5	45	127	64	-18.5	
18,653	47/64"	18,653	45	127	64	-47/64IN	
19		19	45	127	64	-19	
19,05	3/4"	19,05	46	131	66	-3/4IN	
19,5		19,5	46	131	66	-19.5	
20		20	46	131	66	-20	



Snijgegevens voor HSS-boren

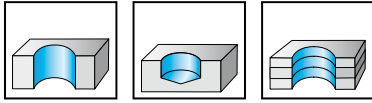
Materiaalgroep	= snijgegevens voor natte verspaning = droge bewerking is mogelijk, snijgegevens kunnen uit TEC worden gekozen E = emulsie O = olie M = MMS L = droog v _c = snij snelheid VCRR = v _c -normwaarden vanaf pagina B 382 VRR = voedingnormwaarden vanaf pagina B 384		Boordiepte		3 x D _c									
			Benaming		A1149XPL				A1149TFL					
			Type		UFL®				UFL®					
			Afmeting		DIN 1897				DIN 1897					
Ø-bereik (mm)		1,00 – 20,00				1,00 – 20,00								
Snijmateriaal		HSS-E				HSS-E								
Coating		XPL				TFL								
Pagina		B 163				B 158								
Indeling van de materiaalhoofdgroepen en ISO-normletters		Brinell-hardheid HB	Treksterkte R _m N/mm ²	Verspaningsgroep ¹										
Werkstukmateriaal		v _c	VRR			v _c	VRR							
P	Ongelegeerd staal	C ≤ 0,25 %	gegloeid	125	428	P1	60	12	EO	ML	53	12	EO	ML
		C > 0,25... ≤ 0,55 %	gegloeid	190	639	P2	60	12	EO	ML	53	12	EO	ML
		C > 0,25... ≤ 0,55 %	getemperd	210	708	P3	60	12	EO	ML	53	12	EO	ML
		C > 0,55 %	gegloeid	190	639	P4	60	12	EO	ML	53	12	EO	ML
		C > 0,55 %	getemperd	300	1013	P5	50	10	EO	ML	45	10	EO	ML
	Laaggelegeerd staal	automatenstaal (kortverspanend)	gegloeid	220	745	P6	60	12	EO	ML	53	12	EO	ML
		gegloeid	175	591	P7	60	12	EO	ML	53	12	EO	ML	
		getemperd	300	1013	P8	50	10	EO	ML	45	10	EO	ML	
		getemperd	380	1282	P9	30	7	OE		28	7	OE		
		getemperd	430	1477	P10	18	5	OE		16	5	OE		
Hooggelegeerd staal en gereedschapsstaal	gegloeid	200	675	P11	50	10	EO	ML	45	10	EO	ML		
	gehard en getemperd	300	1013	P12	42	8	EO		38	8	EO			
	gehard en getemperd	400	1361	P13	18	5	OE		16	5	OE			
Roestvrij staal	ferritisch / martensitisch, gegloeid	200	675	P14	24	5	EO		21	5	EO			
	martensitisch, getemperd	330	1114	P15	18	7	EO		16	7	EO			
M	Roestvrij staal	austenitisch, afgeschrikt	200	675	M1	15	5	OE		14	5	OE		
		austenitisch, precipitatiegehard (PH)	300	1013	M2	24	6	OE		21	6	OE		
		austenitisch-ferritisch, duplex	230	778	M3	12	5	OE		11	5	OE		
K	Tempergietijzer	ferritisch	200	675	K1	48	16	EO	ML	42	16	EO	ML	
		perlitisch	260	867	K2	38	12	EO	ML	36	12	EO	ML	
	Grijs gietijzer	lage vastheid	180	602	K3	60	16	EO	ML	53	16	EO	ML	
		hoge vastheid / austenitisch	245	825	K4	48	16	EO	ML	42	16	EO	ML	
	Modulair gietijzer	ferritisch	155	518	K5	48	16	EO	ML	42	16	EO	ML	
		perlitisch	265	885	K6	38	12	EO	ML	36	12	EO	ML	
GGV (CGI)		200	675	K7	42	16	EO	ML	40	16	EO	ML		
N	Aluminiumlegeringen	niet uithardbaar	30	-	N1	110	16	EO						
		uithardbaar, uitgehard	100	343	N2	110	16	EO						
	Aluminiumgietlegeringen	≤ 12 % Si, uithardbaar	75	260	N3	67	12	EO		60	12	EO		
		≤ 12 % Si, uithardbaar, uitgehard	90	314	N4	67	12	EO		48	12	EO		
		> 12 % Si, niet uithardbaar	130	447	N5									
Magnesiumlegeringen		70	250	N6	67	12		ML	48	12		ML		
S	Koper en koperlegeringen (brons/messing)	niet-gelegeerd, elektrolytkoper	100	343	N7	80	5	EO		75	5	EO		
		messing, brons, roodkoper	90	314	N8	80	12	EO		71	12	EO		
		Cu-legeringen, kortverspanend	110	382	N9	120	12	EO	ML	105	12	EO	ML	
		hoogvast, Ampco	300	1013	N10	42	8	EO		38	8	EO		
S	Warmtebestendige legeringen	Fe-basis	gegloeid	200	675	S1	15	5	OE		14	5	OE	
			gehard	280	943	S2								
		Ni- of Co-basis	gegloeid	250	839	S3	16	4	OE		15	4	OE	
			gehard	350	1177	S4								
			gegoten	320	1076	S5								
	Titaniumlegeringen	zuiver titaan	200	675	S6									
α- en β-legeringen, uitgehard		375	1262	S7										
β-legeringen		410	1396	S8										
Wolframlegeringen		300	1013	S9	42	8	EO		38	8	EO			
Molybdeenlegeringen		300	1013	S10	42	8	EO		38	8	EO			
H	Gehard staal	gehard en getemperd	50 HRC	-	H1									
		gehard en getemperd	55 HRC	-	H2									
		gehard en getemperd	60 HRC	-	H3									
	Gehard gietijzer	gehard en getemperd	55 HRC	-	H4									
O	Thermoplasten	zonder abrasieve vulstoffen			O1	45	12	EO		40	12	EO		
	Duroplasten	zonder abrasieve vulstoffen			O2	45	8		L	42	8		L	
	Glaszvezelversterkte kunststof	GFRP			O3									
	Koolvezelversterkte kunststof	CFRP			O4									
	Aramidevezelversterkte kunststof	AFRP			O5	45	8		L	42	8		L	
	Grafiet (technisch)		80 Shore			O6								

¹ De toewijzing van de verspaningsgroepen vindt u op pagina H 8 en verder.

Diepgatspiraalboor A1249XPL UFL®



~ 8 x D_c



- HSS-E - XPL
- Type UFL®
- rechtssnijdend
- 130° punthoek

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 338	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1249XPL
Cilindrische schacht 	1		1	10	34	12	-1
	1,016	No. 60	1,016	10	34	12	-NO60
	1,041	No. 59	1,041	10	34	12	-NO59
	1,067	No. 58	1,067	12	36	14	-NO58
	1,092	No. 57	1,092	12	36	14	-NO57
	1,1		1,1	12	36	14	-1.1
	1,181	No. 56	1,181	14	38	16	-NO56
	1,191	3/64"	1,191	14	38	16	-3/64IN
	1,2		1,2	14	38	16	-1.2
	1,3		1,3	14	38	16	-1.3
	1,321	No. 55	1,321	15	40	18	-NO55
	1,397	No. 54	1,397	15	40	18	-NO54
	1,4		1,4	15	40	18	-1.4
	1,5		1,5	15	40	18	-1.5
	1,511	No. 53	1,511	17	43	20	-NO53
	1,588	1/16"	1,588	17	43	20	-1/16IN
	1,6		1,6	17	43	20	-1.6
	1,613	No. 52	1,613	17	43	20	-NO52
	1,7		1,7	17	43	20	-1.7
	1,702	No. 51	1,702	19	46	22	-NO51
	1,778	No. 50	1,778	19	46	22	-NO50
	1,8		1,8	19	46	22	-1.8
	1,854	No. 49	1,854	19	46	22	-NO49
	1,9		1,9	19	46	22	-1.9
	1,93	No. 48	1,93	20	49	24	-NO48
	1,984	5/64"	1,984	20	49	24	-5/64IN
	1,994	No. 47	1,994	20	49	24	-NO47
	2		2	20	49	24	-2
	2,057	No. 46	2,057	20	49	24	-NO46
	2,083	No. 45	2,083	20	49	24	-NO45
	2,1		2,1	20	49	24	-2.1
	2,184	No. 44	2,184	23	53	27	-NO44
	2,2		2,2	23	53	27	-2.2
	2,261	No. 43	2,261	23	53	27	-NO43
2,3		2,3	23	53	27	-2.3	
2,375	No. 42	2,375	26	57	30	-NO42	
2,381	3/32"	2,381	26	57	30	-3/32IN	
2,4		2,4	26	57	30	-2.4	
2,438	No. 41	2,438	26	57	30	-NO41	
2,489	No. 40	2,489	26	57	30	-NO40	
2,5		2,5	26	57	30	-2.5	
2,527	No. 39	2,527	26	57	30	-NO39	
2,578	No. 38	2,578	26	57	30	-NO38	
2,6		2,6	26	57	30	-2.6	
2,642	No. 37	2,642	26	57	30	-NO37	
2,7		2,7	28	61	33	-2.7	
2,705	No. 36	2,705	28	61	33	-NO36	

Vervolg



Diepgatsspiraalboor A1249XPL UFL®

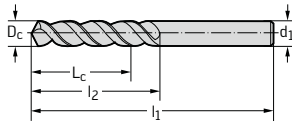


~ 8 x D_c

Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 338	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1249XPL
Cilindrische schacht	2,778	7/64"	2,778	28	61	33	-7/64IN
	2,794	No. 35	2,794	28	61	33	-N035
	2,8		2,8	28	61	33	-2.8
	2,819	No. 34	2,819	28	61	33	-N034
	2,87	No. 33	2,87	28	61	33	-N033
	2,9		2,9	28	61	33	-2.9
	2,946	No. 32	2,946	28	61	33	-N032
	3		3	28	61	33	-3
	3,048	No. 31	3,048	30	65	36	-N031
	3,1		3,1	30	65	36	-3.1
	3,175	1/8"	3,175	30	65	36	-1/8IN
	3,2		3,2	30	65	36	-3.2
	3,264	No. 30	3,264	30	65	36	-N030
	3,3		3,3	30	65	36	-3.3
	3,4		3,4	33	70	39	-3.4
	3,454	No. 29	3,454	33	70	39	-N029
	3,5		3,5	33	70	39	-3.5
	3,569	No. 28	3,569	33	70	39	-N028
	3,572	9/64"	3,572	33	70	39	-9/64IN
	3,6		3,6	33	70	39	-3.6
	3,658	No. 27	3,658	33	70	39	-N027
	3,7		3,7	33	70	39	-3.7
	3,734	No. 26	3,734	33	70	39	-N026
	3,797	No. 25	3,797	36	75	43	-N025
	3,8		3,8	36	75	43	-3.8
	3,861	No. 24	3,861	36	75	43	-N024
	3,9		3,9	36	75	43	-3.9
	3,912	No. 23	3,912	36	75	43	-N023
	3,969	5/32"	3,969	36	75	43	-5/32IN
	3,988	No. 22	3,988	36	75	43	-N022
	4		4	36	75	43	-4
	4,039	No. 21	4,039	36	75	43	-N021
	4,089	No. 20	4,089	36	75	43	-N020
	4,1		4,1	36	75	43	-4.1
	4,2		4,2	36	75	43	-4.2
	4,216	No. 19	4,216	36	75	43	-N019
	4,3		4,3	39	80	47	-4.3
	4,305	No. 18	4,305	39	80	47	-N018
	4,366	11/64"	4,366	39	80	47	-11/64IN
	4,394	No. 17	4,394	39	80	47	-N017
	4,4		4,4	39	80	47	-4.4
	4,496	No. 16	4,496	39	80	47	-N016
	4,5		4,5	39	80	47	-4.5
	4,572	No. 15	4,572	39	80	47	-N015
	4,6		4,6	39	80	47	-4.6
	4,623	No. 14	4,623	39	80	47	-N014
	4,65		4,65	39	80	47	-4.65
	4,699	No. 13	4,699	39	80	47	-N013
	4,7		4,7	39	80	47	-4.7
	4,763	3/16"	4,763	44	86	52	-3/16IN
	4,8		4,8	44	86	52	-4.8
	4,801	No. 12	4,801	44	86	52	-N012
	4,851	No. 11	4,851	44	86	52	-N011
	4,9		4,9	44	86	52	-4.9
	4,915	No. 10	4,915	44	86	52	-N010



Vervolg



Diepgatspiraalboor A1249XPL UFL®



~ 8 x D_c

Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 338	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1249XPL
Cilindrische schacht	4,978	No. 9	4,978	44	86	52	-N09
	5		5	44	86	52	-5
	5,055	No. 8	5,055	44	86	52	-N08
	5,1		5,1	44	86	52	-5.1
	5,105	No. 7	5,105	44	86	52	-N07
	5,159	13/64"	5,159	44	86	52	-13/64IN
	5,182	No. 6	5,182	44	86	52	-N06
	5,2		5,2	44	86	52	-5.2
	5,22	No. 5	5,22	44	86	52	-N05
	5,3		5,3	44	86	52	-5.3
	5,309	No. 4	5,309	48	93	57	-N04
	5,4		5,4	48	93	57	-5.4
	5,41	No. 3	5,41	48	93	57	-N03
	5,5		5,5	48	93	57	-5.5
	5,55		5,55	48	93	57	-5.55
	5,556	7/32"	5,556	48	93	57	-7/32IN
	5,6		5,6	48	93	57	-5.6
	5,613	No. 2	5,613	48	93	57	-N02
	5,7		5,7	48	93	57	-5.7
	5,791	No. 1	5,791	48	93	57	-N01
	5,8		5,8	48	93	57	-5.8
	5,9		5,9	48	93	57	-5.9
	5,953	15/64"	5,953	48	93	57	-15/64IN
	6		6	48	93	57	-6
	6,1		6,1	52	101	63	-6.1
	6,2		6,2	52	101	63	-6.2
	6,3		6,3	52	101	63	-6.3
	6,35	1/4"	6,35	52	101	63	-1/4IN
	6,4		6,4	52	101	63	-6.4
	6,5		6,5	52	101	63	-6.5
	6,6		6,6	52	101	63	-6.6
	6,7		6,7	52	101	63	-6.7
	6,747	17/64"	6,747	57	109	69	-17/64IN
	6,8		6,8	57	109	69	-6.8
	6,9		6,9	57	109	69	-6.9
	7		7	57	109	69	-7
	7,1		7,1	57	109	69	-7.1
	7,144	9/32"	7,144	57	109	69	-9/32IN
	7,2		7,2	57	109	69	-7.2
	7,3		7,3	57	109	69	-7.3
	7,4		7,4	57	109	69	-7.4
	7,5		7,5	57	109	69	-7.5
	7,541	19/64"	7,541	62	117	75	-19/64IN
	7,6		7,6	62	117	75	-7.6
	7,7		7,7	62	117	75	-7.7
	7,8		7,8	62	117	75	-7.8
	7,9		7,9	62	117	75	-7.9
	7,938	5/16"	7,938	62	117	75	-5/16IN
	8		8	62	117	75	-8
	8,1		8,1	62	117	75	-8.1
	8,2		8,2	62	117	75	-8.2
	8,3		8,3	62	117	75	-8.3
	8,334	21/64"	8,334	62	117	75	-21/64IN
	8,4		8,4	62	117	75	-8.4
	8,5		8,5	62	117	75	-8.5

Vervolg



Diepgatsspiraalboor A1249XPL UFL®



~ 8 x D_c

Vervolg

	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●		●●

DIN 338	D _c h8 mm	D _c Inch/nr.	d ₁ f11 mm	L _c mm	l ₁ mm	l ₂ mm	Benaming A1249XPL
Cilindrische schacht 	8,6		8,6	66	125	81	-8.6
	8,7		8,7	66	125	81	-8.7
	8,731	11/32"	8,731	66	125	81	-11/32IN
	8,8		8,8	66	125	81	-8.8
	8,9		8,9	66	125	81	-8.9
	9		9	66	125	81	-9
	9,1		9,1	66	125	81	-9.1
	9,128	23/64"	9,128	66	125	81	-23/64IN
	9,2		9,2	66	125	81	-9.2
	9,3		9,3	66	125	81	-9.3
	9,4		9,4	66	125	81	-9.4
	9,5		9,5	66	125	81	-9.5
	9,525	3/8"	9,525	71	133	87	-3/8IN
	9,6		9,6	71	133	87	-9.6
	9,7		9,7	71	133	87	-9.7
	9,8		9,8	71	133	87	-9.8
	9,9		9,9	71	133	87	-9.9
	9,922	25/64"	9,922	71	133	87	-25/64IN
	10		10	71	133	87	-10
	10,2		10,2	71	133	87	-10.2
	10,319	13/32"	10,319	71	133	87	-13/32IN
	10,5		10,5	71	133	87	-10.5
	10,716	27/64"	10,716	76	142	94	-27/64IN
	11		11	76	142	94	-11
	11,113	7/16"	11,113	76	142	94	-7/16IN
	11,2		11,2	76	142	94	-11.2
	11,3		11,3	76	142	94	-11.3
	11,5		11,5	76	142	94	-11.5
	11,509	29/64"	11,509	76	142	94	-29/64IN
	11,906	15/32"	11,906	87	151	101	-15/32IN
	12		12	87	151	101	-12
	12,303	31/64"	12,303	87	151	101	-31/64IN
12,5		12,5	87	151	101	-12.5	
12,7	1/2"	12,7	87	151	101	-1/2IN	
13		13	87	151	101	-13	
13,1		13,1	87	151	101	-13.1	
13,3		13,3	94	160	108	-13.3	
13,5		13,5	94	160	108	-13.5	
14		14	94	160	108	-14	
14,5		14,5	99	169	114	-14.5	
15		15	99	169	114	-15	
15,1		15,1	104	178	120	-15.1	
15,3		15,3	104	178	120	-15.3	
15,5		15,5	104	178	120	-15.5	
16		16	104	178	120	-16	



De vastgelegde snijwaarden zijn gemiddelde richtwaarden.
Een aanpassing wordt aanbevolen in specifieke toepassingen.

	3 x D _c												5 x D _c						8 x D _c													
	A1154TFT				A1148				A1111				A2258				A3143			A6292TIN			A1249XPL			A1249TFL						
	VA Inox				UFL®				N				UFL® links				ESU			MegaJet			UFL®			UFL®						
	DIN 1897				DIN 1897				DIN 1897				DIN 1897				DIN 1899			Walter Norm			DIN 338			DIN 338						
	2,00 – 16,00				1,00 – 20,00				0,50 – 32,00				1,00 – 20,00				0,05 – 1,45			5,00 – 24,00			1,00 – 16,00			1,00 – 16,00						
	HSS-E				HSS-E				HSS				HSS-E				HSS-E			HSS-E			HSS-E			HSS-E						
	TFT				fase stoom ontlaten				stoom ontlaten				ongecoat				ongecoat			TiN			XPL			TFL						
	B 168				B 153				B 141				B 239				B 243			B 269			B 212			B 208						
	v _c		VRR		v _c		VRR		v _c		VRR		v _c		VRR		v _c		VRR		v _c		VRR		v _c		VRR		v _c		VRR	
	60	12	EO	ML	38	9	EO		32	8	EO		34	8	EO		H28	8	EO		53	9	EO		50	9	EO	ML	45	9	EO	ML
	60	12	EO	ML	38	10	EO		32	9	EO		34	9	EO		H28	9	EO		53	9	EO		50	10	EO	ML	45	10	EO	ML
					36	10	EO		30	9	EO		32	9	EO		H26	9	EO		50	10	EO		50	10	EO	ML	45	10	EO	ML
	60	12	EO	ML	38	10	EO		32	9	EO		34	9	EO		H28	9	EO		53	9	EO		50	10	EO	ML	45	10	EO	ML
					26	9	EO		21	8	EO		21	7	EO		H23	9	EO		45	9	EO		40	8	EO	ML	36	8	EO	ML
	60	12	EO	ML	38	10	EO		34	9	EO		34	9	EO		H28	9	EO		53	12	EO		50	10	EO	ML	45	10	EO	ML
	60	12	EO	ML	38	10	EO		32	9	EO		34	9	EO		H28	9	EO		53	9	EO		50	10	EO	ML	45	10	EO	ML
					26	9	EO		21	8	EO		21	7	EO		H23	9	EO		45	9	EO		40	8	EO	ML	36	8	EO	ML
					16	7	OE		11	7	OE		11	6	EO										21	6	OE		18	6	OE	
					13	6	OE		8	6	OE													10	4	OE		9	4	OE		
					26	9	EO		21	8	EO		21	7	EO		H23	9	EO		45	9	EO		40	8	EO	ML	36	8	EO	ML
					19	7	EO		15	7	EO		14	5	EO									32	7	EO		28	7	EO		
					13	6	OE		8	6	OE													10	4	OE		9	4	OE		
					13	6	EO		9	4	EO		11	5	EO		H10	4	EO		25	5	EO		19	4	EO		17	4	EO	
					13	7	EO		8	4	EO		11	5	EO		H10	6	EO		22	7	EO		13	6	EO		13	6	EO	
	17	9	OE	M	11	4	OE		6	3	OE		9	4	OE		H8	4	OE		21	5	OE		11	5	OE		10	5	OE	
					11	5	OE		8	5	OE		9	5	OE		H8	5	OE		22	5	OE		17	6	OE		15	6	OE	
	14	7	OE		9	4	OE		5	12	OE		7	4	OE		H6,3	4	OE		17	5	OE		8,5	5	OE		8	5	OE	
					26	16	EO		24	12	EO		22	12	EO		H18	12	EO		40	12	EO		38	12	EO	ML	34	12	EO	ML
					19	12	EO		18	12	EO		16	10	EO		H14	10	EO		30	12	EO		32	10	EO	ML	28	10	EO	ML
					34	16	EO		30	12	EO		28	12	EO		H25	12	EO		50	12	EO		48	12	EO	ML	42	12	EO	ML
					26	16	EO		24	12	EO		22	12	EO		H18	12	EO		40	12	EO		38	12	EO	ML	34	12	EO	ML
					26	16	EO		24	12	EO		22	12	EO		H18	12	EO		40	12	EO		38	12	EO	ML	34	12	EO	ML
					19	12	EO		18	12	EO		16	10	EO		H14	10	EO		30	12	EO		32	10	EO	ML	28	10	EO	ML
					22	16	EO		21	12	EO		19	12	EO		H16	12	EO		36	12	EO		36	12	EO	ML	32	12	EO	ML
	105	16	EO		75	16	EO		63	16	EO		67	12	EO		H63	12	EO		105	12	EO		100	10	EO					
	105	16	EO		75	16	EO		63	16	EO		67	12	EO		H63	12	EO		105	12	EO		100	10	EO					
	60	12	EO		50	12	EO		42	12	EO		45	12	EO		H40	12	EO		85	12	EO		60	10	EO		56	10	EO	
					36	12	EO		30	12	EO		32	10	EO		H28	10	EO		60	12	EO		60	10	EO		42	10	EO	
					36	12	ML		30	12	ML		32	10	ML		H28	10	ML		60	12	ML		60	10	ML		42	10	ML	
	75	5	EO	M	53	6	EO		48	6	EO		48	5	EO		H40	5	EO		75	8	EO		67	4	EO		60	4	EO	
					40	12	EO		38	12	EO		34	10	EO		H32	10	EO		60	12	EO		63	10	EO		56	10	EO	
					75	12	EO	ML	67	12	EO	ML	56	10	EO	ML	H56	12	EO	ML	90	12	EO	M	95	10	EO	ML	85	10	EO	ML
					19	7	EO		15	7	EO		14	5	EO						32	7	EO		32	7	EO		28	7	EO	
	17	9	OE	M	11	4	OE		6	3	OE		9	4	OE		H8	4	OE		21	5	OE		11	5	OE		10	5	OE	
					10	4	OE		6	3	OE		8	4	OE						13	4	OE		11	4	OE		10	4	OE	
					5	3	OE						3	3	OE		H3,2	3	OE													
	15	4	OE		13	4	OE		10	4	EO		10	4	OE		H8	4	EO													
					10	4	OE		6	4	OE		8	4	OE																	
					19	7	EO		15	7	EO		14	5	EO										32	7	EO		28	7	EO	
					19	7	EO		15	7	EO		14	5	EO										32	7	EO		28	7	EO	
					40	12	EO		40	12	EO		34	12	EO		H32	12	EO						36	12	EO		34	12	EO	
					24	8	L		24	8	L		21	8	L		H20	8	L						42	8	L		36	8	L	
					24	8	L		24	8	L		21	8	L		H20	8	L						42	8	L		36	8	L	