



DREX[®]-TOOLS

UTENSILI DI PRECISIONE PER L'INDUSTRIA MECCANICA - AERONAUTICA - AEROSPAZIALE
PRECISION TOOLS FOR THE MECHANICAL AVIATION - AEROSPACE MANUFACTURING



COBALT DRILLS HSS+Co THREADED SHANK

Dimensions
INCHES



**AERONAUTICAL AND
AEROSPACE INDUSTRY**

**THREADED SHANK ADAPTER DRILLS
SPECIFICATIONS NAS 965
TYPE "D" AND NAS 937 "D"**

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AERONAUTICAL AND AEROSPACE INDUSTRY

“MINIATURE” THREAD SHANK DRILLS

SPECIFICATION NAS 965 “D”

Type “D” adapter drills are made of cobalt high speed steel and manufactured to NAS 965 Type “D” specifications with 135° heavy duty split points and surface treated for drilling hard, tough high tensile strength materials. When drilling low tensile strength materials, the Type “D” cobalt drill will have a significantly greater tool life than the NAS 954 Type “B”, high speed steel adapter drill, resulting in a much lower cost per drill.

Threaded Shank Drill Bits.

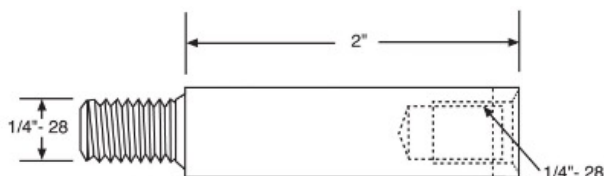
TYPE	“MINIATURE” AEROSPACE INDUSTRY
ANGLE	135° SELF CENTERING “SPLIT POINT”
COATING	BRONZE
SPECIFICATION	NAS 965 “D”
MATERIAL	HSS + CO 8%



CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-10DX060	#60	1,016	.0400	1	1/4-28	1
AV-10DX059	#59	1,041	.0410	1	1/4-28	1
AV-10DX058	#58	1,067	.0420	1	1/4-28	1
AV-10DX057	#57	1,092	.0430	1	1/4-28	1
AV-10DX056	#56	1,181	.0465	1	1/4-28	1
AV-10DX055	#55	1,321	.0520	1	1/4-28	1
AV-10DX054	#54	1,397	.0550	1	1/4-28	1
AV-10DX053	#53	1,511	.0595	1	1/4-28	1
AV-10DX052	#52	1,613	.0635	1	1/4-28	1
AV-10DX051	#51	1,702	.0670	1	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL	1/4-28	PKG
AV-36DX671	1"	1/4-28	1
AV-36DX672	2"	1/4-28	1
AV-36DX673	4"	1/4-28	1



AERONAUTICAL AND AEROSPACE INDUSTRY DRILLS

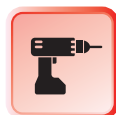
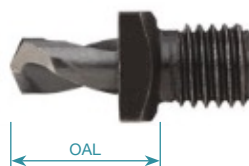
“VERY STUBBY” THREAD SHANK DRILLS

SPECIFICATIONNAS 965 “D”

Type “D” adapter drills are made of cobalt high speed steel and manufactured to NAS 965 Type “D” specifications with 135° heavy duty split points and surface treated for drilling hard, tough high tensile strength materials. When drilling low tensile strength materials, the Type “D” cobalt drill will have a significantly greater tool life than the NAS 954 Type “B”, high speed steel adapter drill, resulting in a much lower cost per drill.

Threaded Shank Drill Bits.

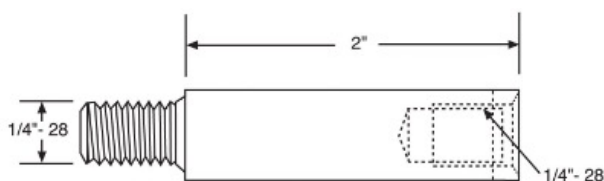
TYPE	“VERY STUBBY” AEROSPACE INDUSTRY
ANGLE	135° SELF-CENTERING “SPLIT POINT”
COATING	BRONZE
SPECIFICATION	NAS 965 “D”
MATERIAL	HSS + CO 8%



CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-10DX450	#50	1,78	.0700	3/8	1/4-28	1
AV-10DX440	#40	2,49	.0980	3/8	1/4-28	1
AV-10DX430	#30	3,26	.1285	3/8	1/4-28	1
AV-10DX427	#27	3,66	.1440	3/8	1/4-28	1
AV-10DX426	#26	3,73	.1470	3/8	1/4-28	1
AV-10DX421	#21	4,04	.1590	3/8	1/4-28	1
AV-10DX420	#20	4,09	.1610	3/8	1/4-28	1
AV-10DX416	#16	4,50	.1770	3/8	1/4-28	1
AV-10DX413	#13	4,70	.1850	3/8	1/4-28	1
AV-10DX412	#12	4,80	.1890	3/8	1/4-28	1
AV-10DX411	#11	4,85	.1910	3/8	1/4-28	1
AV-10DX410	#10	4,92	.1935	3/8	1/4-28	1
AV-10DX408	#8	5,06	.1990	3/8	1/4-28	1
AV-10DX405	#5	5,22	.2055	3/8	1/4-28	1
AV-11DX413	1/4	6,35	.2500	3/8	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL		PKG
AV-36DX671	1"	1/4-28	1
AV-36DX672	2"	1/4-28	1
AV-36DX673	4"	1/4-28	1

AERONAUTICAL AND AEROSPACE INDUSTRY

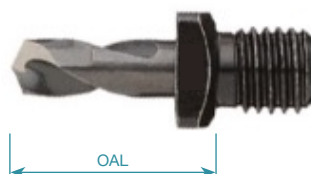
“STUBBY” THREAD SHANK DRILLS

SPECIFICATIONS NAS 965 “D”

Type “D” adapter drills are made of cobalt high speed steel and manufactured to NAS 965 Type “D” specifications with 135° heavy duty split points and surface treated for drilling hard, tough high tensile strength materials. When drilling low tensile strength materials, the Type “D” cobalt drill will have a significantly greater tool life than the NAS 954 Type “B”, high speed steel adapter drill, resulting in a much lower cost per drill.

Threaded Shank Drill Bits

TYPE	“STUBBY” AEROSPACE INDUSTRY
ANGLE	135° SELF CENTERING “SPLIT POINT”
COATING	BRONZE
SPECIFICATION	NAS 965 “D”
MATERIAL	HSS + CO 8%

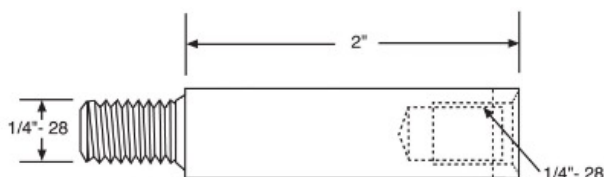


CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-10DX350	#50	1,78	.0700	1/2	1/4-28	1
AV-10DX349	#49	1,85	.0730	1/2	1/4-28	1
AV-10DX348	#48	1,93	.0760	1/2	1/4-28	1
AV-10DX347	#47	1,99	.0785	1/2	1/4-28	1
AV-10DX346	#46	2,06	.0810	1/2	1/4-28	1
AV-10DX345	#45	2,08	.0820	1/2	1/4-28	1
AV-10DX344	#44	2,18	.0860	1/2	1/4-28	1
AV-10DX343	#43	2,26	.0890	1/2	1/4-28	1
AV-10DX342	#42	2,37	.0935	1/2	1/4-28	1
AV-11DX303	3/32	2,37	.0937	1/2	1/4-28	1
AV-10DX341	#41	2,44	.0960	1/2	1/4-28	1
AV-10DX340	#40	2,50	.0980	1/2	1/4-28	1
AV-10DX339	#39	2,53	.0995	1/2	1/4-28	1
AV-10DX338	#38	2,58	.1015	1/2	1/4-28	1
AV-10DX337	#37	2,64	.1040	1/2	1/4-28	1
AV-10DX336	#36	2,71	.1065	1/2	1/4-28	1
AV-11DX304	7/64	2,78	.1094	5/8	1/4-28	1
AV-10DX335	#35	2,79	.1100	1/2	1/4-28	1
AV-10DX334	#34	2,82	.1110	9/16	1/4-28	1
AV-10DX333	#33	2,87	.1130	9/16	1/4-28	1
AV-10DX332	#32	2,95	.1160	9/16	1/4-28	1
AV-10DX331	#31	3,05	.1200	9/16	1/4-28	1
AV-11DX305	1/8	3,18	.1250	1/2	1/4-28	1
AV-10DX330	#30	3,26	.1285	9/16	1/4-28	1
AV-10DX329	#29	3,45	.1360	9/16	1/4-28	1
AV-10DX328	#28	3,57	.1405	9/16	1/4-28	1
AV-11DX306	9/64	3,57	.1406	5/8	1/4-28	1
AV-10DX327	#27	3,66	.1440	9/16	1/4-28	1
AV-10DX326	#26	3,73	.1470	9/16	1/4-28	1
AV-10DX325	#25	3,80	.1495	9/16	1/4-28	1
AV-10DX324	#24	3,86	.1520	9/16	1/4-28	1
AV-10DX323	#23	3,91	.1540	9/16	1/4-28	1

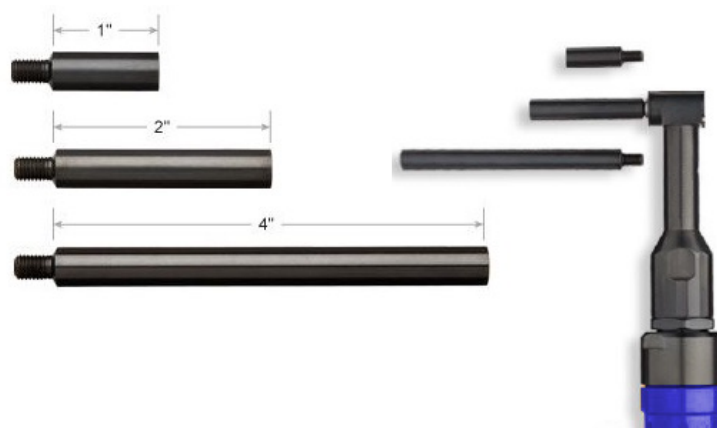
CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-11DX307	5/32	3,97	.1562	2-1/8	1/4-28	1
AV-10DX322	#22	3,99	.1570	9/16	1/4-28	1
AV-10DX321	#21	4,04	.1590	9/16	1/4-28	1
AV-10DX320	#20	4,09	.1610	9/16	1/4-28	1
AV-10DX319	#19	4,22	.1660	9/16	1/4-28	1
AV-10DX318	#18	4,31	.1695	9/16	1/4-28	1
AV-10DX317	#17	4,39	.1730	9/16	1/4-28	1
AV-10DX316	#16	4,50	.1770	9/16	1/4-28	1
AV-10DX315	#15	4,57	.1800	9/16	1/4-28	1
AV-10DX314	#14	4,62	.1820	9/16	1/4-28	1
AV-10DX313	#13	4,70	.1850	9/16	1/4-28	1
AV-11DX309	3/16	4,76	.1875	9/16	1/4-28	1
AV-10DX312	#12	4,80	.1890	9/16	1/4-28	1
AV-10DX311	#11	4,85	.1910	9/16	1/4-28	1
AV-10DX310	#10	4,91	.1935	9/16	1/4-28	1
AV-10DX309	#9	4,98	.1960	9/16	1/4-28	1
AV-10DX308	#8	5,05	.1990	5/8	1/4-28	1
AV-10DX307	#7	5,11	.2010	5/8	1/4-28	1
AV-10DX306	#6	5,18	.2040	5/8	1/4-28	1
AV-10DX305	#5	5,22	.2055	5/8	1/4-28	1
AV-10DX304	#4	5,31	.2090	5/8	1/4-28	1
AV-10DX303	#3	5,41	.2130	5/8	1/4-28	1
AV-11DX311	7/32	5,56	.2188	5/8	1/4-28	1
AV-10DX302	#2	5,61	.2210	5/8	1/4-28	1
AV-10DX301	#1	5,79	.2280	5/8	1/4-28	1
AV-12DX301	A	5,94	.2340	5/8	1/4-28	1
AV-12DX302	B	6,05	.2380	5/8	1/4-28	1
AV-12DX303	C	6,15	.2420	5/8	1/4-28	1
AV-12DX304	D	6,25	.2460	5/8	1/4-28	1
AV-11DX313	1/4	6,35	.2500	5/8	1/4-28	1
AV-12DX306	F	6,53	.2570	5/8	1/4-28	1
AV-12DX307	G	6,63	.2610	5/8	1/4-28	1
AV-12DX308	H	6,76	.2660	5/8	1/4-28	1
AV-12DX310	J	7,04	.2770	5/8	1/4-28	1
AV-11DX315	9/32	7,14	.2812	5/8	1/4-28	1
AV-11DX316	19/64	7,54	.2969	5/8	1/4-28	1
AV-12DX313	M	7,59	.2950	5/8	1/4-28	1
AV-12DX314	N	7,67	.3020	5/8	1/4-28	1
AV-11DX317	5/16	7,94	.3125	5/8	1/4-28	1
AV-12DX315	O	8,03	.3160	5/8	1/4-28	1
AV-12DX318	R	8,61	.339	5/8	1/4-28	1
AV-12DX321	U	9,34	.3680	5/8	1/4-28	1
AV-11DX321	3/8	9,53	.3750	3/4	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL	PKG
AV-36DX671	1"	1
AV-36DX672	2"	1
AV-36DX673	4"	1



AERONAUTICAL AND AEROSPACE INDUSTRY

“ SHORT” THREAD SHANK DRILLS

SPECIFICATION NAS 965 “D”

Type “D” adapter drills are made of cobalt high speed steel and manufactured to NAS 965 Type “D” specifications with 135° heavy duty split points and surface treated for drilling hard, tough high tensile strength materials. When drilling low tensile strength materials, the Type “D” cobalt drill will have a significantly greater tool life than the NAS 954 Type “B”, high speed steel adapter drill, resulting in a much lower cost per drill.

Threaded Shank Drill Bits

TYPE	“SHORT” AEROSPACE INDUSTRY
ANGLE	135° SELF CENTERING “SPLIT POINT”
COATING	BRONZE
SPECIFICATION	NAS 965 “D”
MATERIAL	HSS + CO 8%

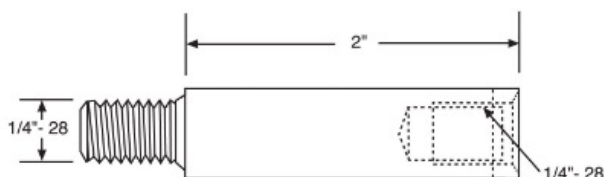


CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-10DX050	#50	1,78	.0700	1	1/4-28	1
AV-10DX049	#49	1,85	.0730	1	1/4-28	1
AV-10DX048	#48	1,93	.0760	1	1/4-28	1
AV-10DX047	#47	1,99	.0785	1	1/4-28	1
AV-10DX046	#46	2,06	.0810	1	1/4-28	1
AV-10DX045	#45	2,08	.0820	1	1/4-28	1
AV-10DX044	#44	2,18	.0860	1	1/4-28	1
AV-10DX043	#43	2,26	.0890	1	1/4-28	1
AV-10DX042	#42	2,37	.0935	1	1/4-28	1
AV-11DX103	3/32	2,37	.0937	1	1/4-28	1
AV-10DX041	#41	2,44	.0960	1	1/4-28	1
AV-10DX040	#40	2,50	.0980	1	1/4-28	1
AV-10DX039	#39	2,53	.0995	1-1/4	1/4-28	1
AV-10DX038	#38	2,58	.1015	1-1/4	1/4-28	1
AV-10DX037	#37	2,64	.1040	1-1/4	1/4-28	1
AV-10DX036	#36	2,71	.1065	1-1/4	1/4-28	1
AV-11DX104	7/64	2,78	.1094	1	1/4-28	1
AV-10DX035	#35	2,79	.1100	1-1/4	1/4-28	1
AV-10DX034	#34	2,82	.1110	1-1/4	1/4-28	1
AV-10DX033	#33	2,87	.1130	1-1/4	1/4-28	1
AV-10DX032	#32	2,95	.1160	1-1/4	1/4-28	1
AV-10DX031	#31	3,05	.1200	1-1/4	1/4-28	1
AV-11DX105	1/8	3,18	.1250	1	1/4-28	1
AV-10DX030	#30	3,26	.1285	1-1/4	1/4-28	1
AV-10DX029	#29	3,45	.1360	1-1/4	1/4-28	1
AV-10DX028	#28	3,57	.1405	1-1/4	1/4-28	1
AV-11DX106	9/64	3,57	.1406	1-1/4	1/4-28	1
AV-10DX027	#27	3,66	.1440	1-1/4	1/4-28	1
AV-10DX026	#26	3,73	.1470	1-1/4	1/4-28	1
AV-10DX025	#25	3,80	.1495	1-1/4	1/4-28	1
AV-10DX024	#24	3,86	.1520	1-1/4	1/4-28	1
AV-10DX023	#23	3,91	.1540	1-1/4	1/4-28	1

CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-11DX107	5/32	3,97	.1562	1-1/4	1/4-28	1
AV-10DX022	#22	3,99	.1570	1-1/4	1/4-28	1
AV-10DX021	#21	4,04	.1590	1-1/4	1/4-28	1
AV-10DX020	#20	4,09	.1610	1-1/4	1/4-28	1
AV-10DX019	#19	4,22	.1660	1-1/4	1/4-28	1
AV-10DX018	#18	4,31	.1695	1-1/4	1/4-28	1
AV-11DX108	11/64	4,37	.1719	1-1/4	1/4-28	1
AV-10DX017	#17	4,39	.1730	1-1/4	1/4-28	1
AV-10DX016	#16	4,50	.1770	1-1/4	1/4-28	1
AV-10DX015	#15	4,57	.1800	1-1/4	1/4-28	1
AV-10DX014	#14	4,62	.1820	1-1/4	1/4-28	1
AV-10DX013	#13	4,70	.1850	1-1/4	1/4-28	1
AV-11DX109	3/16	4,76	.1875	1-1/4	1/4-28	1
AV-10DX012	#12	4,80	.1890	1-1/4	1/4-28	1
AV-10DX011	#11	4,85	.1910	1-1/4	1/4-28	1
AV-10DX010	#10	4,91	.1935	1-1/4	1/4-28	1
AV-10DX009	#9	4,98	.1960	1-1/4	1/4-28	1
AV-10DX008	#8	5,05	.1990	1-1/4	1/4-28	1
AV-10DX007	#7	5,11	.2010	1-1/4	1/4-28	1
AV-10DX006	#6	5,18	.2040	1-1/4	1/4-28	1
AV-10DX005	#5	5,22	.2055	1-1/4	1/4-28	1
AV-10DX004	#4	5,31	.2090	1-1/4	1/4-28	1
AV-10DX003	#3	5,41	.2130	1-1/4	1/4-28	1
AV-11DX111	7/32	5,56	.2188	1-1/4	1/4-28	1
AV-10DX002	#2	5,61	.2210	1-1/4	1/4-28	1
AV-10DX001	#1	5,79	.2280	1-1/4	1/4-28	1
AV-12DX101	A	5,94	.2340	1-1/4	1/4-28	1
AV-11DX112	15/64	5,95	.2344	1-1/4	1/4-28	1
AV-12DX102	B	6,05	.2380	1-1/4	1/4-28	1
AV-12DX103	C	6,15	.2420	1-1/4	1/4-28	1
AV-12DX104	D	6,25	.2460	1-1/4	1/4-28	1
AV-11DX113	1/4	6,35	.2500	1-1/4	1/4-28	1
AV-12DX106	F	6,53	.2570	1-1/4	1/4-28	1
AV-12DX107	G	6,63	.2610	1-1/4	1/4-28	1
AV-12DX108	H	6,76	.2660	1-1/4	1/4-28	1
AV-12DX110	J	7,04	.2770	1-1/4	1/4-28	1
AV-11DX115	9/32	7,14	.2812	1-1/4	1/4-28	1
AV-12DX111	K	7,14	.2810	1-1/4	1/4-28	1
AV-11DX116	19/64	7,54	.2969	1-1/4	1/4-28	1
AV-12DX113	M	7,59	.2950	1-1/4	1/4-28	1
AV-12DX114	N	7,67	.3020	1-1/4	1/4-28	1
AV-11DX117	5/16	7,94	.3125	1-1/4	1/4-28	1
AV-12DX115	O	8,03	.3160	1-1/4	1/4-28	1
AV-12DX118	R	8,61	.339	1-1/4	1/4-28	1
AV-12DX121	U	9,34	.3680	1-1/4	1/4-28	1
AV-11DX121	3/8	9,53	.3750	1-1/4	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL		PKG
AV-36DX671	1"	1/4-28	1
AV-36DX672	2"	1/4-28	1
AV-36DX673	4"	1/4-28	1



AERONAUTICAL AND AEROSPACE INDUSTRY

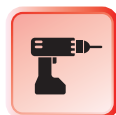
“ LONG” THREAD SHANK DRILLS

SPECIFICATIONS NAS 965 “D”

Type “D” adapter drills are made of cobalt high speed steel and manufactured to NAS 965 Type “D” specifications with 135° heavy duty split points and surface treated for drilling hard, tough high tensile strength materials. When drilling low tensile strength materials, the Type “D” cobalt drill will have a significantly greater tool life than the NAS 954 Type “B”, high speed steel adapter drill, resulting in a much lower cost per drill.

Threaded Shank Drill Bits.

TYPE	“LONG” AEROSPACE INDUSTRY
ANGLE	135° SELF CENTERING “SPLIT POINT”
COATING	BRONZE
SPECIFICATION	NAS 965 “D”
MATERIAL	HSS + CO 8%

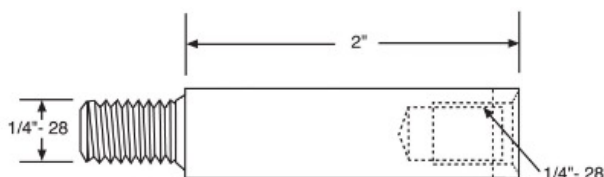


CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-10DX250	#50	1,78	.0700	2-1/8	1/4-28	1
AV-10DX249	#49	1,85	.0730	2-1/8	1/4-28	1
AV-10DX248	#48	1,93	.0760	2-1/8	1/4-28	1
AV-10DX247	#47	1,99	.0785	2-1/8	1/4-28	1
AV-10DX246	#46	2,06	.0810	2-1/8	1/4-28	1
AV-10DX245	#45	2,08	.0820	2-1/8	1/4-28	1
AV-10DX244	#44	2,18	.0860	2-1/8	1/4-28	1
AV-10DX243	#43	2,26	.0890	2-1/8	1/4-28	1
AV-10DX242	#42	2,37	.0935	2-1/8	1/4-28	1
AV-11DX203	3/32	2,37	.0937	2-1/8	1/4-28	1
AV-10DX241	#41	2,44	.0960	2-1/8	1/4-28	1
AV-10DX240	#40	2,50	.0980	2-1/8	1/4-28	1
AV-10DX239	#39	2,53	.0995	2-1/8	1/4-28	1
AV-10DX238	#38	2,58	.1015	2-1/8	1/4-28	1
AV-10DX237	#37	2,64	.1040	2-1/8	1/4-28	1
AV-10DX236	#36	2,71	.1065	2-1/8	1/4-28	1
AV-11DX204	7/64	2,78	.1094	2-1/8	1/4-28	1
AV-10DX235	#35	2,79	.1100	2-1/8	1/4-28	1
AV-10DX234	#34	2,82	.1110	2-1/8	1/4-28	1
AV-10DX233	#33	2,87	.1130	2-1/8	1/4-28	1
AV-10DX232	#32	2,95	.1160	2-1/8	1/4-28	1
AV-10DX231	#31	3,05	.1200	2-1/8	1/4-28	1
AV-11DX205	1/8	3,18	.1250	2-1/8	1/4-28	1
AV-10DX230	#30	3,26	.1285	2-1/8	1/4-28	1
AV-10DX229	#29	3,45	.1360	2-1/8	1/4-28	1
AV-10DX228	#28	3,57	.1405	2-1/8	1/4-28	1
AV-11DX206	9/64	3,57	.1406	2-1/8	1/4-28	1
AV-10DX227	#27	3,66	.1440	2-1/8	1/4-28	1
AV-10DX226	#26	3,73	.1470	2-1/8	1/4-28	1
AV-10DX225	#25	3,80	.1495	2-1/8	1/4-28	1
AV-10DX224	#24	3,86	.1520	2-1/8	1/4-28	1
AV-10DX223	#23	3,91	.1540	2-1/8	1/4-28	1

CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-11DX207	5/32	3,97	.1562	2-1/8	1/4-28	1
AV-10DX222	#22	3,99	.1570	2-1/8	1/4-28	1
AV-10DX221	#21	4,04	.1590	2-1/8	1/4-28	1
AV-10DX220	#20	4,09	.1610	2-1/8	1/4-28	1
AV-10DX219	#19	4,22	.1660	2-1/8	1/4-28	1
AV-10DX218	#18	4,31	.1695	2-1/8	1/4-28	1
AV-11DX208	11/64	4,37	.1719	2-1/8	1/4-28	1
AV-10DX217	#17	4,39	.1730	2-1/8	1/4-28	1
AV-10DX216	#16	4,50	.1770	2-1/8	1/4-28	1
AV-10DX215	#15	4,57	.1800	2-1/8	1/4-28	1
AV-10DX214	#14	4,62	.1820	2-1/8	1/4-28	1
AV-10DX213	#13	4,70	.1850	2-1/8	1/4-28	1
AV-11DX209	3/16	4,76	.1875	2-1/8	1/4-28	1
AV-10DX212	#12	4,80	.1890	2-1/8	1/4-28	1
AV-10DX211	#11	4,85	.1910	2-1/8	1/4-28	1
AV-10DX210	#10	4,91	.1935	2-1/8	1/4-28	1
AV-10DX209	#9	4,98	.1960	2-1/8	1/4-28	1
AV-10DX208	#8	5,05	.1990	2-1/8	1/4-28	1
AV-10DX207	#7	5,11	.2010	2-1/8	1/4-28	1
AV-10DX206	#6	5,18	.2040	2-1/8	1/4-28	1
AV-10DX205	#5	5,22	.2055	2-1/8	1/4-28	1
AV-10DX204	#4	5,31	.2090	2-1/8	1/4-28	1
AV-10DX203	#3	5,41	.2130	2-1/8	1/4-28	1
AV-11DX211	7/32	5,56	.2188	2-1/8	1/4-28	1
AV-10DX202	#2	5,61	.2210	2-1/8	1/4-28	1
AV-10DX201	#1	5,79	.2280	2-1/8	1/4-28	1
AV-12DX201	A	5,94	.2340	2-1/8	1/4-28	1
AV-11DX212	15/64	5,95	.2344	2-1/8	1/4-28	1
AV-12DX202	B	6,05	.2380	2-1/8	1/4-28	1
AV-12DX203	C	6,15	.2420	2-1/8	1/4-28	1
AV-12DX204	D	6,25	.2460	2-1/8	1/4-28	1
AV-11DX213	1/4	6,35	.2500	2-1/8	1/4-28	1
AV-12DX206	F	6,53	.2570	2-1/8	1/4-28	1
AV-12DX207	G	6,63	.2610	2-1/8	1/4-28	1
AV-12DX208	H	6,76	.2660	2-1/8	1/4-28	1
AV-12DX210	J	7,04	.2770	2-1/8	1/4-28	1
AV-11DX215	9/32	7,14	.2812	2-1/8	1/4-28	1
AV-12DX211	K	7,14	.2810	2-1/8	1/4-28	1
AV-11DX216	19/64	7,54	.2969	2-1/8	1/4-28	1
AV-12DX213	M	7,59	.2950	2-1/8	1/4-28	1
AV-12DX214	N	7,67	.3020	1-1/4	1/4-28	1
AV-11DX217	5/16	7,94	.3125	2-1/8	1/4-28	1
AV-12DX215	O	8,03	.3160	1-1/4	1/4-28	1
AV-12DX218	R	8,61	.339	1-1/4	1/4-28	1
AV-12DX221	U	9,34	.3680	1-1/4	1/4-28	1
AV-11DX221	3/8	9,53	.3750	2-1/8	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL		PKG
AV-36DX671	1"	1/4-28	1
AV-36DX672	2"	1/4-28	1
AV-36DX673	4"	1/4-28	1

AERONAUTICAL AND AEROSPACE INDUSTRY

“ EXTRA LONG” THREAD SHANK DRILLS

SPECIFICATIONS NAS 965 “D”

Type “D” adapter drills are made of cobalt high speed steel and manufactured to NAS 965 Type “D” specifications with 135° heavy duty split points and surface treated for drilling hard, tough high tensile strength materials. When drilling low tensile strength materials, the Type “D” cobalt drill will have a significantly greater tool life than the NAS 954 Type “B”, high speed steel adapter drill, resulting in a much lower cost per drill.

Threaded Shank Drill Bits

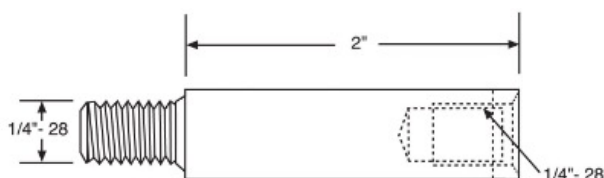
TYPE	“EXTRA LONG” AEROSPACE INDUSTRY
ANGLE	135° SELF CENTERING “SPLIT POINT”
COATING	BRONZE
SPECIFICATION	NAS 965 “D”
MATERIAL	HSS + CO 8%



CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-10DX140	#40	2,49	.0980	2-1/2	1/4-28	1
AV-10DX130	#30	3,26	.1285	2-3/4	1/4-28	1
AV-10DX127	#27	3,66	.1440	3	1/4-28	1
AV-10DX121	#21	4,04	.1590	3	1/4-28	1
AV-10DX120	#20	4,09	.1610	3	1/4-28	1
AV-10DX116	#16	4,50	.1770	3	1/4-28	1
AV-10DX113	#13	4,70	.1850	3	1/4-28	1
AV-10DX112	#12	4,80	.1890	3	1/4-28	1
AV-10DX111	#11	4,85	.1910	3	1/4-28	1
AV-10DX110	#10	4,92	.1935	3	1/4-28	1
AV-10DX108	#8	5,06	.1990	3	1/4-28	1
AV-10DX105	#5	5,22	.2055	3	1/4-28	1
AV-10DX150	1/4	6,35	.2500	3	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL		PKG
AV-36DX671	1"	1/4-28	1
AV-36DX672	2"	1/4-28	1
AV-36DX673	4"	1/4-28	1



Double margin drill shave an additional margin ground behind the leading margin, providing twice the number of contact point. The second margin performs various functions to improve hole quality.

**DOUBLE MARGIN DRILL CLOSE UP****SINGLE MARGIN DRILL****DOUBLE MARGIN DRILL**

The double-edged bits have an additional edge ground behind the front edge, providing twice the number of contact points. This second margin performs various functions to improve the quality of the hole.

The final margin polishes the cavity, creating a true hole and a smoother finish, helping to provide a more concentric drilled hole.

- A reamer finish can be achieved with double margin drills, eliminating a second operation.
- When a double-margin drill is used with a drill bushing, the four margins locate in the bushing, providing increased bushing support in excess of 200%.
- When intermittent cutting is required, the double margin drill performs in two ways: Enhanced margin support in the first cavity cut and support on breakthrough, which stops the drill from wandering when in contact with the work space. The drill back taper is more tightly controlled than a regular drill, enhancing a rounder hole location.
- The 135-degrees split point provides immediate self-centering on contact with the work piece, and reduces thrust, due to its notch model web thinning at the chisel edge length. The split point is excellent for drilling harder materials (titanium, stainless steel, and high-temperature alloys.)
- The color of bronze-gold drill is an easy way to identify these tools as being cobalt aircraft drills and easy to group when sharpening.
- With all these features incorporated in this double margin drill, it is excellent for hand drilling.

AERONAUTICAL AND AEROSPACE INDUSTRY

DOUBLE MARGIN DRILLS WITH THREADED SHANK

SPECIFICATIONS NAS 937 "D"

Jobber Length Cobalt 135° Split Point.

Designed for close tolerance drilling in titanium, stainless, heat treated material and aluminum alloys.

When the drill point penetrates enough for the second margin to contact the wall of the hole, the point is stabilized and true cylindrical geometry is established. Smooth accurate holes are produced and reaming can often be eliminated.

TYPE	"DOUBLE MARGIN" AEROSPACE INDUSTRY
ANGLE	135° SELF CENTERING "SPLIT POINT"
COATING	BRONZE
SPECIFICATION	NAS 937 "D"
MATERIAL	HSS + CO 8%

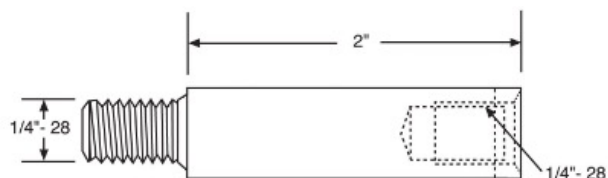


CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-15DXDM40	40	2,50	.0980	1-3/4	1/4-28	1
AV-15DXDM30	30	3,26	.1285	1-3/4	1/4-28	1
AV-15DXDM27	27	3,66	.1440	1-3/4	1/4-28	1
AV-15DXDM21	21	4,04	.1590	1-3/4	1/4-28	1
AV-15DXDM20	20	4,09	.1610	1-3/4	1/4-28	1
AV-15DXDM16	16	4,50	.1770	1-3/4	1/4-28	1
AV-15DXDM13	13	4,70	.1850	1-3/4	1/4-28	1
AV-15DXDM12	12	4,80	.1890	1-3/4	1/4-28	1
AV-15DXDM11	11	4,85	.1910	1-3/4	1/4-28	1
AV-15DXDM10	10	4,91	.1935	1-3/4	1/4-28	1
AV-15DXDM08	8	5,05	.1990	1-3/4	1/4-28	1
AV-15DXDM06	6	5,18	.2040	1-3/4	1/4-28	1
AV-15DXDM65	1/8	3,18	.1250	1-3/4	1/4-28	1
AV-15DXDM67	5/32	3,97	.1562	1-3/4	1/4-28	1
AV-15DXDM69	3/16	4,76	.1875	1-3/4	1/4-28	1
AV-15DXDM73	1/4	6,35	.2500	1-3/4	1/4-28	1
AV-15DXDM93	D	6,25	.2460	1-3/4	1/4-28	1
AV-16DXDM40	40	2,50	.0980	1-1/4	1/4-28	1
AV-16DXDM30	30	3,26	.1285	1-1/4	1/4-28	1
AV-16DXDM27	27	3,66	.1440	1-1/4	1/4-28	1
AV-16DXDM21	21	4,04	.1590	1-1/4	1/4-28	1
AV-16DXDM20	20	4,09	.1610	1-1/4	1/4-28	1
AV-16DXDM16	16	4,50	.1770	1-1/4	1/4-28	1
AV-16DXDM13	13	4,70	.1850	1-1/4	1/4-28	1
AV-16DXDM12	12	4,80	.1890	1-1/4	1/4-28	1
AV-16DXDM11	11	4,85	.1910	1-1/4	1/4-28	1
AV-16DXDM10	10	4,91	.1935	1-1/4	1/4-28	1
AV-16DXDM69	3/16	4,76	.1875	1-1/4	1/4-28	1
AV-16DXDM73	1/4	6,35	.2500	1-1/4	1/4-28	1
AV-16DXDM93	D	6,25	.2460	1-1/4	1/4-28	1

CODE	DIAM inch	DIAM mm	DIAM inch	OAL	SHANK	PKG
AV-15DXDM67	5/32	3,97	.1562	1-3/4	1/4-28	1
AV-15DXDM69	3/16	4,76	.1875	1-3/4	1/4-28	1
AV-15DXDM73	1/4	6,35	.2500	1-3/4	1/4-28	1
AV-15DXDM93	D	6,25	.2460	1-3/4	1/4-28	1

ACCESSORIES

DUAL THREADED DRILL EXTENSIONS



CODE	OAL	SHANK	PKG
AV-36DX671	1"	1/4-28	1
AV-36DX672	2"	1/4-28	1
AV-36DX673	4"	1/4-28	1

