

M42 COBALT-TITANIUM NITRIDE & TITANIUM ALUMINUM NITRIDE NAS 907J

**Type 150 -M42 Cobalt , Type 150-N -TiN Coated
Type 150-ALN -Titanium Aluminum Nitride
135° Split Point - M42 Cobalt NAS 907J**

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.
- Titanium Aluminum Nitride can be used in machining stainless steel, nickel based and titanium alloys, not recommended for aluminum.
- Manufactured to **NAS 907J** specifications.



Type 150

Use to drill hard, tough metals, free machining stainless steel, titanium alloys and certain abrasive plastics.



Type 150-N

Titanium nitride coating for lubricity, and extended tool life.



Type 150-ALN

Titanium aluminum nitride designed for use where extreme temperatures are found, allows for increased machining speeds up to 200%.

FRACTIONAL

150 Part#	150-N TIN Part#	150-ALN TIAIN Part#	Overall Diameter Inches	Flute Length Inches	Length Inches	150 Qty. per/Pk	150-N/150-ALN Qty. per/Pk
08000	-----	-----	3/64	1-3/4	3/4	12	6
08010	79600	80003	1/16	1-7/8	7/8	12	6
08020	79610	80013	5/64	2"	1"	12	6
08030	79620	80023	3/32	2-1/4	1-1/4	12	6
08040	79630	80033	7/64	2-5/8	1-1/2	12	6
08050	79640	80043	1/8"	2-3/4"	1-5/8"	12	6
08060	79650	80053	9/64	2-7/8	1-3/4	12	6
08070	79660	80063	5/32"	3-1/8"	2"	12	6
08080	79670	80073	11/64	3-1/4	2-1/8	12	6
08090	79680	80083	3/16	3-1/2	2-5/16	12	6
08100	79690	80093	13/64	3-5/8	2-7/16	12	6
08110	79700	80103	7/32	3-3/4	2-1/2	12	6
08120	79710	80113	15/64	3-7/8	2-5/8	12	6
08130	79720	80123	1/4"	4"	2-3/4"	12	6
08140	79730	80133	17/64	4-1/8	2-7/8	12	6
08150	79740	80143	9/32	4-1/4	2-15/16	12	6
08160	79750	80153	19/64	4-3/8	3-1/16	6	3
08170	79760	80163	5/16	4-1/2	3-3/16	6	3
08180	79770	80173	21/64	4-5/8	3-5/16	6	3
08190	79780	80183	11/32	4-3/4	3-7/16	6	3
08200	79790	80193	23/64	4-7/8	3-1/2	6	3
08210	79800	80203	3/8"	5"	3-5/8"	6	3
08220	79810	80213	25/64	5-1/8	3-3/4	6	3
08230	79820	80223	13/32	5-1/4	3-7/8	6	3
08240	79830	80233	27/64	5-3/8	3-15/16	6	3
08250	79840	80243	7/16	5-1/2	4-1/16	6	3
08260	79850	80253	29/64	5-5/8	4-3/16	6	3
08270	79860	80263	15/32	5-3/4	4-5/16	6	3
08280	79870	80273	31/64	5-7/8	4-3/8	6	3
08290	79880	80283	1/2"	6"	4-1/2"	6	3

150 Part#	150-N TIN Part#	150-ALN TIAIN Part#	Wire Sizes	Overall Diameter Inches	Flute Length Inches	150 Qty. per/Pk	150-N/150-ALN Qty. per/Pk
08370	77071	80623	8	3-5/8	2-7/16	12	6
08380	77081	80633	9	3-5/8	2-7/16	12	6
08390	77091	80643	10	3-5/8	2-7/16	12	6
08400	77101	80653	11	3-1/2	2-5/16	12	6
08410	77111	80663	12	3-1/2	2-5/16	12	6
08420	77121	80673	13	3-1/2	2-5/16	12	6
08430	77131	80683	14	3-3/8	2-3/16	12	6
08440	77141	80693	15	3-3/8	2-3/16	12	6
08450	77151	80703	16	3-3/8	2-3/16	12	6
08460	77161	80713	17	3-3/8	2-3/16	12	6
08470	77171	80723	18	3-1/4	2-1/8	12	6
08480	77181	80733	19	3-1/4	2-1/8	12	6
08490	77191	80743	20	3-1/4	2-1/8	12	6
08500	77201	80753	21	3-1/4	2-1/8	12	6
08510	77211	80763	22	3-1/8	2"	12	6
08520	77221	80773	23	3-1/8	2"	12	6
08530	77231	80783	24	3-1/8	2"	12	6
08540	77241	80793	25	3"	1-7/8	12	6
08550	77251	80803	26	3"	1-7/8	12	6
08560	77261	80813	27	3"	1-7/8	12	6
08570	77271	80823	28	2-7/8	1-3/4	12	6
08580	77281	80833	29	2-7/8	1-3/4	12	6
08590	77291	80843	30	2-3/4	1-5/8	12	6
08600	77301	80853	31	2-3/4	1-5/8	12	6
08610	77311	80863	32	2-3/4	1-5/8	12	6
08620	77321	80873	33	2-5/8	1-1/2	12	6
08630	77331	80883	34	2-5/8	1-1/2	12	6
08640	77341	80893	35	2-5/8	1-1/2	12	6
08650	77351	80903	36	2-1/2	1-7/16	12	6
08660	77361	80913	37	2-1/2	1-7/16	12	6
08670	77371	80923	38	2-1/2	1-7/16	12	6
08680	77381	80933	39	2-3/8	1-3/8	12	6
08690	77491	80943	40	2-3/8	1-3/8	12	6
08700	77401	80953	41	2-3/8	1-3/8	12	6
08710	77411	80963	42	2-1/4	1-1/4	12	6
08720	77421	80973	43	2-1/4	1-1/4	12	6
08730	77431	80983	44	2-1/8	1-1/8	12	6
08740	77441	80993	45	2-1/8	1-1/8	12	6
08750	77451	81003	46	2-1/8	1-1/8	12	6
08760	77461	81013	47	2"	1"	12	6
08770	77471	81023	48	2"	1"	12	6
08780	77481	81033	49	2"	1"	12	6
08790	77491	81043	50	2"	1"	12	6
08800	77501	81053	51	2"	1"	12	6
08810	77511	81063	52	1-7/8	7/8	12	6
08820	77521	81073	53	1-7/8	7/8	12	6
08830	77531	81083	54	1-7/8	7/8	12	6
08840	77541	81093	55	1-7/8	7/8	12	6
08850	77551	81103	56	1-3/4	3/4	12	6
08860	77561	81113	57	1-3/4	3/4	12	6
08870	77571	81123	58	1-5/8	11/16	12	6
08880	77581	81133	59	1-5/8	11/16	12	6
08890	77591	81143	60	1-5/8	11/16	12	6
08900	-----	-----	61	1-5/8	11/16	12	6
08910	-----	-----	62	1-1/2	5/8	12	6
08921	-----	-----	63	1-1/2	5/8	12	6
08931	-----	-----	64	1-1/2	5/8	12	6
08941	-----	-----	65	1-1/2	5/8	12	6
08951	-----	-----	66	1-3/8	1/2	12	6
08961	-----	-----	67	1-3/8	1/2	12	6
08971	-----	-----	68	1-3/8	1/2	12	6
08981	-----	-----	69	1-3/8	1/2	12	6
08991	-----	-----	70	1-1/4	3/8	12	6
09001	-----	-----	71	1-1/4	3/8	12	6
09011	-----	-----	72	1-1/8	5/16	12	6
09021	-----	-----	73	1-1/8	5/16	12	6
09031	-----	-----	74	1"	1/4	12	6
09041	-----	-----	75	1"	1/4	12	6
09051	-----	-----	76	7/8	3/16	12	6
09061	-----	-----	77	7/8	3/16	12	6
09071	-----	-----	78	7/8	3/16	12	6
09081	-----	-----	79	3/4	3/16	12	6
09091	-----	-----	80	3/4	3/16	12	6

LETTER

150 Part#	150-N TIN Part#	150-ALN TIAIN Part#	Letter Sizes	Overall Length Inches	Flute Length Inches	150 Qty. per/Pk	150-N/150-ALN Qty. per/Pk
08940	79320	80293	A	3-7/8	2-5/8	12	6
08950	79330	80303	B	4"	2-3/4	12	6
08960	79340	80313	C	4"	2-3/4	12	6
08970	79350	80323	D	4"	2-3/4	12	6
08980	79360	80333	E	4"	2-3/4	12	6
08990	79370	80343	F	4-1/8	2-7/8	12	6
09000	79380	80353	G	4-1/8	2-7/8	12	6
09010	79390	80363	H	4-1/8	2-7/8	12	6
09020	79400	80373	I	4-1/8	2-7/8	12	6
09030	79410	80383	J	4-1/8	2-7/8	12	6
09040	79420	80393	K	4-1/4	2-15/16	12	6
09050	79430	80403	L	4-1/4	2-15/16	12	6
09060	79440	80413	M	4-3/8	3-3/16	6	3
09070	79450	80423	N	4-3/8	3-1/16	6	3
09080	79460	80433	O	4-1/2	3-3/16	6	3
09090	79470	80443	P	4-5/8	3-5/16	6	3
09100	79480	80453	Q	4-3/4	3-7/16	6	3
09110	79490	80463	R	4-3/4	3-7/16	6	3
09120	79500	80473	S	4-7/8	3-1/2	6	3
09130	79510	80483	T	4-7/8	3-1/2	6	3
09140	79520	80493	U	5"	3-5/8	6	3
09150	79530	80503	V	5"	3-5/8	6	3
09160	79540	80513	W	5-1/8	3-3/4	6	3
09170	79550	80523	X	5-1/8	3-3/4	6	3
09180	79560	80533	Y	5-1/4	3-7/8	6	3
09190	79570	80543	Z	5-1/4	3-7/8	6	3

WIRE

150 Part#	150-N TIN Part#	150-ALN TIAIN Part#	Wire Sizes	Overall Diameter Inches	Flute Length Inches	150 Qty. per/Pk	150-N/150-ALN Qty. per/Pk
08300	77001	80553	1	3-7/8	2-5/8	12	6
08310	77011	80563	2	3-7/8	2-5/5	12	6
08320	77021	80573	3	3-3/4	2-1/2	12	6
08330	77031	80583	4	3-3/4	2-1/2	12	6
08340	77041	80593	5	3-3/4	2-1/2	12	6
08350	77051	80603	6	3-3/4	2-1/2	12	6
08360	77061	80613	7	3-5/8	2-7/16	12	6

Wire sizes continued next Column