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NAS907-J — cobalt jobber drills, 135° split point

Cobalt jobber drills to NAS 907 Type J: every fractional, wire gauge and letter size with its lengths and order number, read from the maker's brochure.

Specification

Item	Value
Type	Twist drill, jobber length
Material	HSCo (M-33 or M-42)
Finish	Bronze oxide standard; optional finishes may be specified by the customer
Maker	Precision brand, Dormer Pramet
Standard	Manufactured to NAS 907 Type J
Point	P-3 (135°) split point, heavy duty

Item	Value
Web	Thickness increases uniformly at a 0.006" ± 0.002" per inch taper
Size range	Ø1/16" thru Ø1/2" in the maker's NAS summary; its tables run #80 to 11/16"
Shank options	Straight, straight with tri-flats, quick change, reduced shank, reduced shank with tri-flats, tang
Lengths	Jobber length standard, 6" and 12" aircraft extension lengths optional
Status	Maker's aerospace brochure, read 30 Oct 2026; the NAS itself is not reproduced here. Check the current issue before you order.

Part numbers

Part no.	Size	Decimal, in	Ø mm (converted)	Flute l2, in	Overall l1, in	Overall, mm (converted)
018380	#80	0.0135	0.34	1/8	3/4	19.1
018379	#79	0.0145	0.37	1/8	3/4	19.1
010301	1/64"	0.0156	0.40	3/16	3/4	19.1
018378	#78	0.0160	0.41	3/16	7/8	22.2
018377	#77	0.0180	0.46	3/16	7/8	22.2
018376	#76	0.0200	0.51	3/16	7/8	22.2
018375	#75	0.0210	0.53	1/4	1	25.4
018374	#74	0.0225	0.57	1/4	1	25.4
018373	#73	0.0240	0.61	5/16	1-1/8	28.6
018372	#72	0.0250	0.64	5/16	1-1/8	28.6
018371	#71	0.0260	0.66	3/8	1-1/4	31.8
018370	#70	0.0280	0.71	3/8	1-1/4	31.8
018369	#69	0.0292	0.74	1/2	1-3/8	34.9
018368	#68	0.0310	0.79	1/2	1-3/8	34.9
010302	1/32"	0.0313	0.80	1/2	1-3/8	34.9
018367	#67	0.0320	0.81	1/2	1-3/8	34.9
018366	#66	0.0330	0.84	1/2	1-3/8	34.9
018365	#65	0.0350	0.89	5/8	1-1/2	38.1
018364	#64	0.0360	0.91	5/8	1-1/2	38.1
018363	#63	0.0370	0.94	5/8	1-1/2	38.1
018362	#62	0.0380	0.97	5/8	1-1/2	38.1
018361	#61	0.0390	0.99	11/16	1-5/8	41.3
018360	#60	0.0400	1.02	11/16	1-5/8	41.3
018359	#59	0.0410	1.04	11/16	1-5/8	41.3
018358	#58	0.0420	1.07	11/16	1-5/8	41.3
018357	#57	0.0430	1.09	3/4	1-3/4	44.5
018356	#56	0.0465	1.18	3/4	1-3/4	44.5
010303	3/64"	0.0469	1.19	3/4	1-3/4	44.5
018355	#55	0.0520	1.32	7/8	1-7/8	47.6
018354	#54	0.0550	1.40	7/8	1-7/8	47.6
018353	#53	0.0595	1.51	7/8	1-7/8	47.6
010304	1/16"	0.0625	1.59	7/8	1-7/8	47.6
018352	#52	0.0635	1.61	7/8	1-7/8	47.6
018351	#51	0.0670	1.70	1	2	50.8
018350	#50	0.0700	1.78	1	2	50.8
018349	#49	0.0730	1.85	1	2	50.8
018348	#48	0.0760	1.93	1	2	50.8
010305	5/64"	0.0781	1.98	1	2	50.8
018347	#47	0.0785	1.99	1	2	50.8
018346	#46	0.0810	2.06	1-1/8	2-1/8	54.0
018345	#45	0.0820	2.08	1-1/8	2-1/8	54.0
018344	#44	0.0860	2.18	1-1/8	2-1/8	54.0
018343	#43	0.0890	2.26	1-1/4	2-1/4	57.2
018342	#42	0.0935	2.37	1-1/4	2-1/4	57.2
010306	3/32"	0.0938	2.38	1-1/4	2-1/4	57.2
018341	#41	0.0960	2.44	1-3/8	2-3/8	60.3
018340	#40	0.0980	2.49	1-3/8	2-3/8	60.3
018339	#39	0.0995	2.53	1-3/8	2-3/8	60.3

Every fractional, wire gauge and letter size in the brochure, each with its order number (EDP).

Showing 48 of 150 rows. Complete table: theaviationpoint.com/parts/tools/nas907-j/

What each code means

Part	Meaning
R10CO	Series: Fractional sizes, 1/64" to 11/16"
R18CO	Series: Wire gauge sizes, #80 to #1
R15CO	Series: Letter sizes, A to Z
Example	018330 — #30, decimal 0.1285 in, series R18CO

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.

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Notes

- Inch values are the maker's and are the official ones. Millimetres marked as converted are inches × 25.4.
- Catalogue items linked to this sheet match it by type: the seller's listing does not name this maker, so check the listing before you take a value from here.
- No split point on these sizes: #80, #79, 1/64", #78, #77, #76, #75, #74, #73, #72, #71, #70, #69, #68, 1/32", #67, #66, #65, #64, #63, #62, #61.
- The brochure's metric series 2ACO is made to DIN 338, not NAS 907, and is left out of this sheet.

SOURCES · Dormer Pramet Precision brochure — Drills Manufactured to National Aerospace Standards, pages 10 to 14 and 36

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