

# Jobber Length

**NORSEMAN/CTD**  
DRILL & TOOL

## HSS HEAVY-DUTY CN-TECH™ & HEAVY-DUTY NAS 907B

### Type 190-CN CN-TECH™ 135° Split Point



- Cryogenic treatment creates a more uniform "grain" structure by transforming retained austenite into martensite.
- Modifies the carbon micro-structure through precipitation of carbides increasing resistance to wear.
- Nitride process diffuses nitrogen into the surface to create a case hardening resulting in superior tool life and exceptional corrosion resistance.



**Type 190-CN**

Nitride process case hardening resulting in superior tool life and exceptional corrosion resistance.

Part No.	Diameter Inches	Overall Length Inches	Flute Length Inches	Qty. per/pack
47032	1/16	1-7/8	7/8	12
47042	5/64"	2"	1"	12
47052	3/32	2-1/4	1-1/4	12
47062	7/64	2-5/8	1-1/2	12
47072	1/8	2-3/4	1-5/8	12
47082	9/64	2-7/8	1-3/4	12
47092	5/32"	3-1/8"	2"	12
47102	11/64	3-1/4	2-1/8	12
47112	3/16	3-1/2	2-5/16	12
47122	13/64	3-5/8	2-7/16	12
47132	7/32	3-3/4	2-1/2	12
47142	15/64	3-7/8	2-5/8	12
47152	1/4"	4"	2-3/4"	12
47162	17/64	4-1/8	2-7/8	12
47172	9/32	4-1/4	2-15/16	12
47182	19/64	4-3/8	3-1/16	6
47192	5/16	4-1/2	3-3/16	6
47202	21/64	4-5/8	3-5/16	6
47212	11/32	4-3/4	3-7/16	6
47222	23/64	4-7/8	3-1/2	6
47232	3/8"	5"	3-5/8"	6
47242	25/64	5-1/8	3-3/4	6
47252	13/32	5-1/4	3-7/8	6
47262	27/64	5-3/8	3-15/16	6
47272	7/16"	5-1/2	4-1/16	6
47282	29/64	5-5/8	4-3/16	6
47292	15/32	5-3/4	4-5/16	6
47302	31/64	5-7/8	4-3/8	6
47312	1/2"	6"	4-1/2"	6

### Type 190-AG Magnum Super Premium - 135° Split Point

- Nitro-Carburized
- Manufactured to **NAS 907B** specification from Premium Hi-Molybdenum Steel.
- Magnum will substantially outperform cobalt drills in work hardening stainless steel and other tough drilling applications.



**Type 190-AG**

Low temperature stress relief improves lubricity and toughness.

Part No.	Diameter Inches	Overall Length Inches	Flute Length Inches	Qty. per/pack
05580	1/16	1-7/8	7/8	12
05590	5/64	2"	1	12
05600	3/32	2-1/4	1-1/4	12
05610	7/64	2-5/8	1-1/2	12
05620	1/8	2-3/4	1-5/8	12
05630	9/64	2-7/8	1-3/4	12
05640	5/32	3-1/8	2	12
05650	11/64	3-1/4	2-1/8	12
05660	3/16	3-1/2	2-5/16	12
05670	13/64	3-5/8	2-7/16	12
05680	7/32	3-3/4	2-1/2	12
05690	15/64	3-7/8	2-5/8	12
05700	1/4	4"	2-3/4	12
05710	17/64	4-1/8	2-7/8	12
05720	9/32	4-1/4	2-15/16	12
05730	19/64	4-3/8	3-1/16	6
05740	5/16	4-1/2	3-3/16	6
05750	21/64	4-5/8	3-5/16	6
05760	11/32	4-3/4	3-7/16	6
05770	23/64	4-7/8	3-1/2	6
05780	3/8	5"	3-5/8	6
05790	25/64	5-1/8	3-3/4	6
05800	13/32	5-1/4	3-7/8	6
05810	27/64	5-3/8	3-15/16	6
05820	7/16	5-1/2	4-1/16	6
05830	29/64	5-5/8	4-3/16	6
05840	15/32	5-3/4	4-5/16	6
05850	31/64	5-7/8	4-3/8	6
05860	1/2	6"	4-1/2	6
22210	33/64	6-5/8	4-13/16	1
22220	17/32	6-5/8	4-13/16	1
22230	35/64	6-5/8	4-13/16	1
22240	9/16	6-5/8	4-13/16	1
22250	37/64	6-5/8	4-13/16	1
22260	19/32	7-1/8	5-3/16	1
22270	39/64	7-1/8	5-3/16	1
22280	5/8	7-1/8	5-3/16	1
22290	41/64	7-1/8	5-3/16	1
22300	21/32	7-1/8	5-3/16	1
22310	43/64	7-5/8	5-5/8	1
22320	11/16	7-5/8	5-5/8	1
22330	45/64	7-5/8	5-5/8	1
22340	23/32	7-5/8	5-5/8	1
22350	47/64	7-5/8	5-5/8	1
22360	3/4	7-3/8	5-5/8	1

Larger sizes available in 130-AG section

**LETTER**

Part No.	Diameter Inches	Overall Length Inches	Flute Length Inches	Qty. per/pack
39460	A	3-7/8	2-5/8	12
39470	B	4	2-3/4	12
39480	C	4	2-3/4	12
39490	D	4	2-3/4	12
39500	E	4	2-3/4	12
39510	F	4-1/8	2-7/8	12

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