

## Heavy-Duty Extra Length Style 110X

### Features/Benefits:

- Heavy-duty geometry for drilling in tough, high-tensile, and work-hardening materials under extreme operating conditions.
- Extra length for long-reach applications.
- Taper shank made to American National Standard (Morse) dimensions for use in corresponding Morse taper holders. Standard Morse dimensions listed on page 88.
- Manufactured from premium high-speed steel.
- 118° K-notch point.
- Black oxide finish standard from stock.

### Application Information:

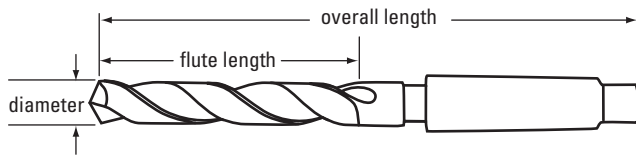
- carbon steel
- tool steel
- alloy steel
- cast iron

### Surface Treatment Information:

- Black oxide surface finish increases wear resistance and adds lubricity, improving chip flow.



Style 110X Black Oxide



### INCH SIZES

Drill Diameter			Morse Taper Shank Number	Overall Length		Flute Length		Style 110X Black Oxide
Fraction	Decimal	mm		Inch	mm	Inch	mm	
7/16	.4375	11.11	2	12.0000	304.80	8.0000	203.20	51347
15/32	.4688	11.91	2	12.0000	304.80	8.0000	203.20	51361
1/2	.5000	12.70	2	12.0000	304.80	8.0000	203.20	51371
33/64	.5156	13.10	2	12.0000	304.80	8.0000	203.20	51375
17/32	.5312	13.49	2	12.0000	304.80	8.0000	203.20	51379
9/16	.5625	14.29	2	12.0000	304.80	8.0000	203.20	51386
37/64	.5781	14.68	2	12.0000	304.80	8.0000	203.20	51390
19/32	.5938	15.08	2	12.0000	304.80	8.0000	203.20	51395
39/64	.6094	15.48	2	12.0000	304.80	8.0000	203.20	51400
5/8	.6250	15.88	2	12.0000	304.80	8.0000	203.20	51404
21/32	.6562	16.67	2	12.0000	304.80	8.0000	203.20	51413
11/16	.6875	17.46	2	12.0000	304.80	8.0000	203.20	51423
23/32	.7188	18.26	2	12.0000	304.80	8.0000	203.20	51433
47/64	.7344	18.65	2	12.0000	304.80	8.0000	203.20	51439
3/4	.7500	19.05	2	12.0000	304.80	8.0000	203.20	51444
25/32	.7812	19.84	2	12.0000	304.80	8.0000	203.20	51456