

# Cutting Tool Sets Index

**NORSEMAN/CTD**  
DRILL & TOOL

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## JOBBER LENGTH, METRIC, 3/8" REDUCED SHANK

### Type 190-AG NAS 907B 135° Split Point Black & Gold Magnum Super Premium

- Manufactured to **NAS 907B** aerospace specification
- Body and clearance are gold surface treated for maximum lubricity.
- Recommended for use in work hardening grades of stainless steel & other hard metal drilling applications.



#### 13 Pcs.

Part No.	Description of Sizes	Qty of each
44110 SP-13	1/16-1/4 by 64ths	1

#### 15 Pcs.

Part No.	Description of Sizes	Qty of each
44120 SP-15	1/16-1/2 by 32nds	1

#### 21 Pcs.

Part No.	Description of Sizes	Qty of each
44130 SP-21	1/16-3/8 by 64ths	1

#### 26 Pcs.

Part No.	Description of Sizes	Qty of each
88660 SP-26	A - Z	1

#### 29 Pcs.

Part No.	Description of Sizes	Qty of each
44150 SP-29	1/16-1/2 by 64ths	1

#### 29 Pcs. - Ultra Dex

Part No.	Description of Sizes	Qty of each
44170 SP-29P	1/16-1/2 by 64ths	1

#### 29 Pcs. Blaze Orange - Ultra Dex

Part No.	Description of Sizes	Qty of each
44190 SP-29PON	1/16-1/2 by 64ths	1

#### 60 Pcs.

Part No.	Description of Sizes	Qty of each
88640 SP-60	# 1 - 60	1

#### 115 Pcs.

Part No.	Description of Sizes	Qty of each
93840 SP-115	1/16-1/2 x 64ths + A-Z & 1-60	1

### Type 128-AG 135° Split Point 3/8" Reduced Shank Black & Gold - Magnum Super Premium

- Recommended for use in work hardening grades of stainless steel & other hard metal drilling applications.

#### 21 Pcs.

Part No.	Description of Sizes	Qty of each
92170 SP-21R	1/16-1/4 by 64ths, 9/32-1/2 by 32nds	1

#### 15 Pcs.

Part No.	Description of Sizes	Qty of each
92110 RSP-15	1/16-1/2 by 32nds	1

#### 29 Pcs.

Part No.	Description of Sizes	Qty of each
92100 RSP-29	1/16-1/2 by 64ths	1

#### 29 Pcs. - Ultra Dex

Part No.	Description of Sizes	Qty of each
92150 RSP-29P	1/16-1/2 by 64ths	1

### Type 170-AG - Metric

#### NAS 907B Black & Gold Magnum Super Premium, 135° Split Point

- Manufactured to **NAS 907B** aerospace specification
- Recommended for use in work hardening grades of stainless steel & other hard metal drilling applications.

#### 11 Pcs. - Metric

Part #	1.0mm - 6.0mm x .5mm	Qty of each
58650 SP-11M	Black & Gold Super Premium	1

#### 13 Pcs. - Metric

Part #	1.0mm - 7.0mm x .5mm	Qty of each
49042 SP-13M	Black & Gold Super Premium	1

#### 19 Pcs. - Metric

Part #	1.0mm - 10.0mm x .5mm	Qty of each
58920 SP-19M	Black & Gold Super Premium	1

#### 25 Pcs. - Metric

Part #	1.0mm - 13.0mm x .5mm	Qty of each
58660 SP-25M	Black & Gold Super Premium	1

#### 41 Pcs. - Metric

Part #	6.0mm - 10.0mm x .1mm	Qty of each
49043 SP-41M	Black & Gold Super Premium	1

#### 118 Pcs. - Metric

Part #	1.00 - 2.05mm by 0.05mm, 2.10 - 10.00 10mm by 0.1mm & 10.20, 10.50, 10.80, 11.00, 11.20, 11.50, 11.80, 12.00, 12.20, 12.50, 12.80 & 13.00	Qty of each
60090 SP-118M	Black & Gold Super Premium	1

# Cutting Tool Sets - Mechanic Length

Black & Gold

Cutting Tool Sets - Quick Release 1/4" Hex Shank & 3/8" Reduced Shank

## QUICK RELEASE 1/4" HEX SHANK & 3/8" REDUCED SHANK

### Type 175-AG

Mechanic Length - 135° Split Point  
Black & Gold Magnum Super Premium  
3-Flats on Shank 3/16 and Larger

- Body and clearance are gold surface treated for maximum lubricity.
- Especially designed for hand held drills.
- Recommended for use in work hardening grades of stainless steel & other hard metal drilling applications.

### 13 Pcs.

Part No.	Description of Sizes	Qty of each
66460 SPM-13	1/16-1/4 by 64ths	1

### 15 Pcs.

Part No.	Description of Sizes	Qty of each
66470 SPM-15	1/16-1/2 by 32nds	1

### 21 Pcs.

Part No.	Description of Sizes	Qty of each
57810 SPM-21	1/16-3/8 by 64ths	1

### 29 Pcs.

Part No.	Description of Sizes	Qty of each
66480 SPM-29	1/16-1/2 by 64ths	1

### 29 Pcs. - Ultra Dex

Part No.	Description of Sizes	Qty of each
66820 SPM-29P	1/16-1/2 by 64ths - w/ Ultra Dex	1

### Type 178-AG

Mechanics Length -135° Split Point  
3/8" Reduced Shank with 3-Flats Shank  
Black & Gold - Magnum Super Premium

### 21 Pcs.

Part No.	Description of Sizes	Qty of each
92340 RSPM-21R	1/16-1/4 by 64ths + 9/32-1/2 by 32nds(3/8" shank)	1

### 15 Pcs.

Part No.	Description of Sizes	Qty of each
57910 RSPM-15	1/16-1/2 by 32nds (3/8" shank)	1

### 29 Pcs.

Part No.	Description of Sizes	Qty of each
57920 RSPM-29	1/16-1/2 by 64ths (3/8" shank)	1

### 29 Pcs. - Ultra Dex

Part No.	Description of Sizes	Qty of each
57950 RSPM-29P	1/16-1/2 by 64ths (3/8" shank) - w/ Ultra Dex	1

### TYPE QR-AG 1/4" QUICK RELEASE

Quick Release Drills - 135° Split Point  
Mechanic Length -  
Magnum Super Premium

- 135° Split Point - Magnum Super Premium with 1/4" Hex Shanks
- Perfect for use with impactor tools.



MADE in the U.S.A.

### TYPE QR12-AG HARD CASE SET

Part No.	Description of Sizes	Qty of each
34811	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2 & Quick Release Adaptor	1



MADE in the U.S.A.

### TYPE QR16-AG SOFT POUCH SET

Part No.	Description of Sizes	Qty of each
34812	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, & Quick Release Adaptor	1

### TYPE QR7A-AG SOFT POUCH SET

Part No.	Description of Sizes	Qty of each
34804	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	1

Sets QR-7A and QR-7B  
do not include Quick Release Adaptors.

MADE in the U.S.A.



### TYPE QR7B-AG SOFT POUCH SET

Part No.	Description of Sizes	Qty of each
34803	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4	1

## NAS 907B TiN / TiCN / TiAlN COATED & BLACK OXIDE

Cutting Tool Sets - NAS 907B TiN / TiCN / TiAlN Coated & Black Oxide



**A-13**



**A-15**



**ACN-15**

### Type 190 Black Oxide NAS 907B - Heavy-Duty

- The 135° split point makes this drill self-centering and requires less thrust in drilling harder metal than a general purpose drill.
- Recommended for medium hardness drilling applications.

### Type 190-AN (TiN) Coated NAS 907B - 135° Split Point - Heavy-Duty

- TiN coating provides a super hard surface with high lubricity.
- Greatly extends tool life in high wear or very abrasive applications.

### Type 190-ACN Titanium Carbonitride (TiCN) NAS 907B - 135° Split Point - HSS Heavy Duty

- TiCN is harder and has a lower coefficient of friction than TiN coating recommended where moderate temperatures are generated
- Heavy-duty construction for drilling in tougher materials
- Manufactured from premium high-speed steel
- 135° split point is self-centering for reducing thrust and easier penetration
- Provides exceptional oxidation resistance and extreme hardness
- Manufactured to **NAS 907B** aerospace specification.

### Type 190-ALN Titanium Aluminum Nitride (TiAlN) NAS 907B - 135° Split Point - HSS Heavy Duty

- TiAlN provides extreme hardness and oxidation resistance, superior hot hardness when compared to other coatings.
- Heavy-duty construction for drilling in tougher materials
- Manufactured from premium high-speed steel
- 135° split point is self-centering for reducing thrust and easier penetration
- Provides exceptional oxidation resistance and extreme hardness
- Manufactured to **NAS 907B** aerospace specification.

#### 10 Pcs.

Part #	1/16-5/32 by 64ths + 3/16, 7/32, 1/4	Qty of each
43330	A-10 Black Oxide - 135° Split Point	1

#### 11 Pcs.

Part #	1/16 - 3/8 by 32nds	Qty of each
43320	A-11 Black Oxide - 135° Split Point	1

#### 13 Pcs.

Part #	1/16 - 1/4 by 64ths	Qty of each
43340	A-13 Black Oxide - 135° Split Point	1
88670	AN-13 TiN Coated - 135° Split Point	1

#### 15 Pcs.

Part #	1/16 - 1/2 by 32nds	Qty of each
43350	A-15 Black Oxide 135° Split Point	1
88680	AN-15 TiN Coated 135° Split Point	1
81182	ACN-15 Titanium Carbon Nitride 135° SP	1
81150	ALN-15 Titanium Aluminum Nitride 135° SP	1

#### 21 Pcs.

Part #	1/16 - 3/8 by 64ths	Qty of each
43360	A-21 Black Oxide - 135° Split Point	1
96740	AN-21 TiN Coated 135° Split Point	1
88680	ACN-21 Titanium Carbon Nitride 135° Point	1
81160	ALN-21 Titanium Aluminum Nitride 135° SP	1

## NAS 907B TiN / TiCN / TiAlN COATED & BLACK OXIDE

### Type 190 Heavy-Duty NAS 907B - Black Oxide

- The 135° split point makes this drill self-centering and requires less thrust in drilling harder metal than a general purpose drill.
- It is recommended for medium hardness drilling applications.

### Type 190-AN (TiN) Coated NAS 907B

#### 135° Split Point - Heavy-Duty

- TiN coating provides a super hard surface with high lubricity.
- Greatly extends tool life in high wear or very abrasive applications.

### Type 190-ACN Titanium Carbonitride (TiCN) NAS 907B - 135° Split Point - HSS Heavy Duty

- Heavy-duty construction for drilling in tougher materials
- Manufactured from premium high-speed steel
- 135° split point is self-centering for reducing thrust and easier penetration
- Provides exceptional oxidation resistance and extreme hardness
- Manufactured to **NAS 907B** aerospace specification.

### Type 190-ALN Titanium Aluminum Nitride (TiAlN) NAS 907B - 135° Split Point - HSS Heavy Duty

- Heavy-duty construction for drilling in tougher materials
- Manufactured from premium high-speed steel
- 135° split point is self-centering for reducing thrust and easier penetration
- Provides exceptional oxidation resistance and extreme hardness
- Manufactured to **NAS 907B** aerospace specification.



**AN-29**



**AN-29PON**



**A-60**

### 26 Pcs.

Part #	A - Z	Qty of each
43370	A-26 Black Oxide - 135° Split Point	1
81172	ACN-26 Titanium Carbon Nitride 135° Split Point	1
81170	ALN-26 Titanium Aluminum Nitride 135° Split Point	1

### 29 Pcs.

Part #	1/16 - 1/2 by 64ths	Qty of each
43380	A-29 Black Oxide - 135° Split Point	1
96690	AN-29 TiN Coated - 135° Split Point	1
81162	ACN-29 Titanium Carbon Nitride 135° Split Point	1
81180	ALN-29 TiN Aluminum Nitride 135° Split Point	1

### 29 Pcs. Blaze Orange - Ultra Dex

Part No.	1/16-1/2 by 64ths	Qty of each
96770	AN-29PON TiN Coated - 135° Split Point	1

### 60 Pcs.

Part #	# 1 - 60	Qty of each
43390	A-60 Black Oxide - 135° Split Point	1
96700	AN-60 TiN Coated - 135° Split Point	1

### 115 Pcs.

Part #	1/16 - 1/2 by 64ths + A - Z, #1 - 60	Qty of each
43420	A-115 Black Oxide - 135° Split Point	1
95110	AN-115 TiN Coated - 135° Split Point	1

Cutting Tool Sets - NAS 907B TiN / TiCN / TiAlN Coated & Black Oxide

## V-LINE, GOLD STRIKE & 3/8" REDUCED SHANK - JOBBER LENGTH



**SA-21**



**GF-21RS**



**GF-29P**

### Type 198 V-Line Heavy-Duty Black Oxide

- American made value line drill.
- These 135° split point drills are self centering and perform well in hard metals.
- This series is designed for the user whose applications are well served without the need for the tighter tolerances of our standard **Type 190**.

### Type 190-GF Gold-Strike™

- 3-Flats on Shank 3/16" and Larger

- Heavy-duty 135° split point drills perform well in very demanding applications.
- Ideal for use with hand held drills with keyless chucks.

### Type 190-GFR 3/8" Reduced Shank with Flats

- Heavy-duty gold finish 135° split point drills perform well in very demanding applications.
- The flats on shank give positive chuck grip, ideal for use with hand held drills with keyless chucks.

#### 13 Pcs.

1/16 - 1/4 by 64ths

Part #		Qty of each
06072	SA-13 Black Oxide - 135° Split Point	1
40611	GF-13 Gold Strike™ - 135° Split Point	1

#### 15 Pcs.

1/16 - 1/2 by 32nds

Part #		Qty of each
06082	SA-15 Black Oxide - 135° Split Point	1
40612	GF-15 Gold Strike™ - 135° Split Point	1

#### 21 Pcs.

1/16 - 3/8 by 64ths

Part #		Qty of each
06092	SA-21 Black Oxide - 135° Split Point	1
40613	GF-21 Gold Strike™ - 135° Split Point (1/16 - 1/4 by 64ths & 9/32 - 1/2 by 32nds 3/8" reduced shank)	1
40631	GF-21RS 3/8"- RS Gold Strike™	1

#### 29 Pcs.

1/16 - 1/2 by 64ths

Part #		Qty of each
06102	SA-29 Black Oxide - 135° Split Point	1
40604	GF-29 Gold Strike™ - 135° Split Point	1
40641	GF-29RS 3/8"- RS Gold Strike™	1

#### 29 Pcs. -Ultra Dex

1/16 - 1/2 by 64ths

Part #		Qty of each
40614	GF-29P Gold Strike™ - 135° Split Point	1
40651	GF-29RSP 3/8"- RS Gold Strike™	1

# Cutting Tool Sets

**NORSEMAN/CTD**  
DRILL & TOOL

## COBALT HEAVY DUTY 135° SPLIT POINT - JOBBER LENGTH

### Type 150 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.
- Manufactured to **NAS 907J** specifications.

### Type 150-N M42 Cobalt NAS 907J - TiN Coated

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.
- TiN coated extends tool life.
- Manufactured to **NAS 907J** specifications.

### Type 150-M M42 Cobalt NAS 907J - Metric

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.
- Manufactured to **NAS 907J** specifications.

#### 13 Pcs.

1/16 - 1/4 by 64ths

Part #		Qty of each
68320 D-13	M42 Cobalt NAS 907J	1
76890 DN-13	M42 Cobalt NAS 907J TiN Coated	1

#### 15 Pcs.

1/16-1/2 by 32nds

Part #		Qty of each
68340 D-15	M42 Cobalt NAS 907J	1
79900 DN-15	M42 Cobalt NAS 907J TiN Coated	1

#### 20 Pcs.

#60 - 80

Part #		Qty of each
68310 D-20	M33 Cobalt M42	1

#### 21 Pcs.

1/16-3/8 by 64ths

Part #		Qty of each
68360 D-21	M42 Cobalt NAS 907J	1
79910 DN-21	M42 Cobalt NAS 907J TiN Coated	1

#### 26 Pcs.

A - Z

Part #		Qty of each
68380 D-26	M42 Cobalt NAS 907J	1
79930 DN-26	M42 Cobalt NAS 907J TiN Coated	1

#### 29 Pcs.

1/16-1/2 by 64ths

Part #		Qty of each
68400 D-29	M42 Cobalt NAS 907J	1
79920 DN-29	M42 Cobalt NAS 907J TiN Coated	1

#### 29 Pcs. -Ultra Dex

1/16-1/2 by 64ths

Part #		Qty of each
68410 D-29P	M42 Cobalt NAS 907J	1



**DN-21**



**D-29**

Cutting Tool Sets - Cobalt Heavy Duty 135° Split Point

## COBALT HEAVY DUTY 135° SPLIT POINT - JOBBER LENGTH

### Type 150 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.
- Manufactured to **NAS 907J** specifications.

### Type 150-DN M42 Cobalt NAS 907J - TiN Coated

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.
- Manufactured to **NAS 907J** specifications.

### Type 150-M M42 Cobalt NAS 907J - Metric

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.
- Manufactured to **NAS 907J** specifications.



**D-115**

### 60 Pcs.

#1 - 60

Part #		Qty of each
68420 D-60	M42 Cobalt NAS 907J	1
79940 DN-60	M42 Cobalt NAS 907J TiN Coated	1

### 115 Pcs.

1/16-1/2 by 64ths + A - Z , #1 - 60

Part #		Qty of each
69280 D-115	M42 Cobalt NAS 907J	1
79950 DN-115	M42 Cobalt NAS 907J TiN Coated	1



**D-13M**

### 11 Pcs. - Metric

1.0mm - 6.0mm x .5mm

Part #		Qty of each
58670 D-11M	M42 Cobalt NAS 907J Gold Finish	1

### 13 Pcs. - Metric

1.0mm - 7.0mm x .5mm

Part #		Qty of each
49082 D-13M	M42 Cobalt NAS 907J Gold Finish	1

### 19 Pcs. - Metric

1.0mm - 10.0mm x .5mm

Part #		Qty of each
49081 D-19M	M42 Cobalt NAS 907J Gold Finish	1



**D-25M**

### 25 Pcs. - Metric

1.0mm - 13.0mm x .5mm

Part #		Qty of each
58680 D-25M	M42 Cobalt NAS 907J Gold Finish	1

### 41 Pcs. - Metric

6.0mm - 10.0mm x .1mm

Part #		Qty of each
49083 D-41M	M42 Cobalt NAS 907J Gold Finish	1

## GENERAL PURPOSE 118° POINT - JOBBER LENGTH

### Type 115 Black Oxide

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 100 Bright Finish

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 100-BN TiN Coated

- TiN coated extends cutting tool life.
- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 128 Bright Finish, 3/8" Reduced Shank

- General purpose 118° point HSS drill is designed for use in portable air or electric drilling equipment with 3/8" chucks.

### Type 118 V-Line, Black Oxide

- American made value line drill
- These general purpose 118° point HSS drills are ideal for a wide variety of light tensile strength metal drilling applications.
- This series is designed for the user whose applications are well served without the need for the tighter tolerances of our **standard Type 115**.

#### 10 Pcs.

1/16 - 5/32 by 64ths + 3/16, 7/32, 1/4

Part #			Qty of each
42000	<b>B-10</b>	Black Oxide - 118° Point	1
43400	<b>J-10</b>	Bright Finish - 118° Point	1

#### 11 Pcs.

1/16 - 3/8 by 32nds

Part #			Qty of each
42010	<b>B-11</b>	Black Oxide - 118° Point	1
43410	<b>J-11</b>	Bright Finish - 118° Point	1

#### 13 Pcs.

1/16 - 1/4 by 64ths

Part #			Qty of each
42020	<b>B-13</b>	Black Oxide - 118° Point	1
43430	<b>J-13</b>	Bright Finish - 118° Point	1
48310	<b>BN-13</b>	TiN Coated - 118° Point	1
06073	<b>SJ-13</b>	V-Line Black Oxide - 118° Point	1

#### 15 Pcs.

1/16-1/2 by 32nds

Part #			Qty of each
42030	<b>B-15</b>	Black Oxide - 118° Point	1
43450	<b>J-15</b>	Bright Finish - 118° Point	1
48320	<b>BN-15</b>	TiN Coated - 118° Point	1
44540	<b>R-15</b>	3/8" Reduced Shank Bright Finish	1
06083	<b>SJ-15</b>	V-Line Black Oxide - ° Point	1



**B-13**



**B-21**



**BN-15**

## GENERAL PURPOSE 118° POINT - JOBBER LENGTH

### Type 115 Black Oxide

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 100 Bright Finish

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 100-BN TiN Coated

- TiN coated extends cutting tool life.
- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 128 Bright Finish, 3/8" Reduced Shank

- General purpose 118° point HSS drill is designed for use in portable air or electric drilling equipment with 3/8" chucks.

### Type 118 V-Line, Black Oxide

- American made value line drill
- These general purpose 118° point HSS drills are ideal for a wide variety of light tensile strength metal drilling applications.
- This series is designed for the user whose applications are well served without the need for the tighter tolerances of our **standard Type 115**.



**J-29**



**SJ-29**

### 20 Pcs. # 61 - 80

Part #			Qty of each
42040	<b>B-20</b>	Black Oxide - 118° Point	1
43460	<b>J-20</b>	Bright Finish - 118° Point	1
48360	<b>BN-20</b>	TiN Coated - 118° Point	1

### 21 Pcs. 1/16-3/8 by 64ths

Part #			Qty of each
42050	<b>B-21</b>	Black Oxide - 118° Point	1
43480	<b>J-21</b>	Bright Finish - 118° Point	1
06093	<b>SJ-21</b>	V-Line Black Oxide - 118° Point	1

### 26 Pcs. A - Z

Part #			Qty of each
42060	<b>B-26</b>	Black Oxide - 118° Point	1
48640	<b>BN-26</b>	TiN Coated - 118° Point	1
43500	<b>J-26</b>	Bright Finish - 118° Point	1

### 29 Pcs. 1/16 - 1/2 by 64ths

Part #			Qty of each
42070	<b>B-29</b>	Black Oxide - 118° Point	1
43520	<b>J-29</b>	Bright Finish - 118° Point	1
48330	<b>BN-29</b>	TiN Coated - 118° Point	1
44530	<b>R-29</b>	3/8" Reduced Shank Bright Finish	1
06103	<b>SJ-29</b>	V-Line Black Oxide - 118° Point	1

### 60 Pcs. # 1 - 60

Part #			Qty of each
42080	<b>B-60</b>	Black Oxide - 118° Point	1
43540	<b>J-60</b>	Bright Finish - 118° Point	1
48340	<b>BN-60</b>	TiN Coated - 118° Point	1

## GENERAL PURPOSE 118° POINT - JOBBER LENGTH

### Type 115 Black Oxide

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 100

#### Bright Finish

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 100-BN TiN Coated

- TiN coated extends cutting tool life.
- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

### Type 128 Bright Finish, 3/8" Reduced Shank

- General purpose 118° point HSS drill is designed for use in portable air or electric drilling equipment with 3/8" chucks.
- **NOTE:** Surface treated flutes on sizes larger than 1/2".

### Type 170 Black Oxide - METRIC

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.

#### 80 Pcs.

Part #	#1 - 80	Qty of each
43300 B-80	Black Oxide - 118° Point	1

#### 114 Pcs.

1/16 - 1/2 by 64ths, #1 - 60, 1.0mm - 13.0mm by .5mm

Part #	Qty of each
43310 B-114	Black Oxide - 118° Point

#### 115 Pcs.

1/16 - 1/2 by 64ths + A - Z, #1-60

Part #	Qty of each
43440 B-115	Black Oxide - 118° Point
43550 J-115	Bright Finish - 118° Point
48350 BN-115	TiN Coated - 118° Point
44520 R-115	3/8" Reduced Shank Bright Finish

#### 11 Pcs. - Metric

1.0mm - 6.00 by .5mm

Part #	Qty of each
44050 M-11	Black Oxide - 118° Point

#### 13 Pcs.- Metric

1.0mm - 7.0mm x .5mm

Part #	Qty of each
44180 M-13	Black Oxide - 118° Point

#### 25 Pcs. - Metric

1.0mm - 13.0mm by .5mm

Part #	Qty of each
44060 M-25	Black Oxide - 118° Point



**M-11**



**R-29**

**METRIC**

**Cutting Tool Sets - Bright / TiN Coated / Black Oxide**

## BRIGHT 1/4" SHANK JOBBER LENGTH - COBALT SCREW MACHINE

### Type 120

#### 1/4" Shank - General Purpose 118° Point

- For use in portable air and electric equipment with 1/4" chucks, the shorter-than-jobber length greatly increases rigidity and improves performance.



**Q-29**

#### 15 Pcs.

Part #	Description of Sizes	Qty of each
43580 Q-15	Black Oxide Flutes - 118° Point	1

#### 21 Pcs.

Part #	Description of Sizes	Qty of each
43600 Q-21	Black Oxide Flutes - 118° Point	1

#### 29 Pcs.

Part #	Description of Sizes	Qty of each
43620 Q-29	Black Oxide Flutes - 118° Point	1



**SPT-26**

### Type 135-AG

#### Screw Machine Length, Ultra Bor Super Premium Black & Gold, 135° Split Point

- Special Hi-Molybdenum surface treated body and clearance for maximum lubricity.
- Recommended for work hardening grades of stainless steel and other hard metal drilling applications.

#### 26 Pcs.

Part No.	Description of Sizes	Qty of each
66850 SPT-26	A - Z	1

#### 29 Pcs.

Part No.	Description of Sizes	Qty of each
66490 SPT-29	1/16-1/2 by 64ths	1

#### 60 Pcs.

Part No.	Description of Sizes	Qty of each
23560 SPT-60	#1-60	1

### Type 100 Bright Finish

- Widely used in general purpose applications.
- Designed for a wide range of operating conditions and materials.



**PL-13**

#### 7 Pcs.

Part #	Description of Sizes	Qty of each
44267 PL-7	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 Bright Finish - 118° Point	1

#### 10 Pcs.

Part #	Description of Sizes	Qty of each
44277 PL-10	1/16 - 5/32 by 64ths + 3/16, 7/32, 1/4 Bright Finish - 118° Point	1

#### 13 Pcs.

Part #	Description of Sizes	Qty of each
44287 PL-13	1/16 - 1/4 by 64ths Bright Finish - 118° Point	1

### Type 260-D

#### 135° Split point M42-Cobalt Screw Machine NAS 907C High-Speed Steel Heavy-Duty - Gold Finish

- Use to drill hard, tough metals, free machining stainless steel, titanium alloys and certain abrasive plastics,
- High red hardness of cobalt permits speed 30% over regular high-speed drills

#### 13 Pcs.

Part No.	Description of Sizes	Qty of each
42610 DT-13	1/16 - 1/4 by 64ths M42 Cobalt NAS 907C	1

#### 15 Pcs.

Part No.	Description of Sizes	Qty of each
42620 DT-15	1/16 - 1/2 by 32nds M42 Cobalt NAS 907C	1

#### 21 Pcs.

Part No.	Description of Sizes	Qty of each
42640 DT-21	1/16 - 3/8 by 64ths M42 Cobalt NAS 907C	1

#### 29 Pcs.

Part No.	Description of Sizes	Qty of each
42630 DT-29	1/16 - 1/2 by 64ths M42 Cobalt NAS 907C	1

# Cutting Tool Sets

**NORSEMAN/CTD**  
DRILL & TOOL

## PARABOLIC TiN COATED & SURFACE TREATED

### Type 190-P

#### Parabolic Flute 135° Split Point, Black Oxide

- Parabolic flute drills are designed to allow deep hole drilling without frequent drill removal to clear chips.
- Drills perform best in low to medium tensile strength materials.

### Type 190-PT

#### Parabolic Flute TiN Coated - 135° Split Point

- Exceptional high-performance drill with the Titanium coating may extend tool life 500% or more in very abrasive drilling applications.
- The parabolic flutes eliminate the need for frequent drill removal in deep hole drilling.

### 13 Pcs.

1/16-1/4 by 64ths

Part #		Qty of each
68080 P-13	Black Oxide -135° Split Point	1
68090 PT-13	TiN Coated -135° Split Point	1

### 15 Pcs.

1/16-1/2 by 32nds

Part #		Qty of each
68100 P-15	Black Oxide -135° Split Point	1
68110 PT-15	TiN Coated -135° Split Point	1

### 21 Pcs.

1/16-3/8 by 64ths

Part #		Qty of each
68120 P-21	Black Oxide -135° Split Point	1
68130 PT-21	TiN Coated -135° Split Point	1

### 29 Pcs.

1/16-1/2 by 64ths

Part #		Qty of each
68150 P-29	Black Oxide -135° Split Point	1
68160 PT-29	TiN Coated -135° Split Point	1



**PT-29**



**P-21**

Cutting Tool Sets - Parabolic Titanium Coated & Black Oxide

## CAD-HD, SCREW MACHINE AND ACRYLIC DRILLS



**CAD-15A**



**AD-7**

### Type 191 CAD-HD - Mechanic Length V-Line Heavy-Duty Black Oxide - 135° Split Point

- Black oxide prevents chip welding and increases abrasion resistance.
- American made value line drill

#### 13 Pcs.

Part #	1/16 - 1/4 by 64ths	Qty of each
43342 CAD-13A	Black Oxide - 135° Split Point	1

#### 15 Pcs.

Part #	1/16 - 1/2 by 32nds	Qty of each
43352 CAD-15A	Black Oxide - 135° Split Point	1

#### 21 Pcs.

Part #	1/16 - 3/8 by 64ths	Qty of each
43362 CAD-21A	Black Oxide - 135° Split Point	1

#### 29 Pcs.

Part #	1/16 - 1/2 by 64ths	Qty of each
43382 CAD-29A	Black Oxide - 135° Split Point	1

### Type 183-AG Magnum Super Premium Acrylic Drills

- Super **CHIPFREE™** point is precision ground at a 60° angle for gradual penetration to avoid cracking and chipping of the acrylic material.
- Special 0° rake angle on cutting edge eliminates "grabbing" when drill breaks through plastic, acrylic, or laminate surfaces.
- All sizes over 1/4" have 1/4" shanks.

#### 7 Pcs.

Part #	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	Qty of each
31580 AD-7	Acrylic Drills Super ChipFree™	1

### Type 260

#### 118Point Screw Machine Length High-Speed Steel - General Purpose,

- The short length of drill and flute makes this an especially rigid drill for greater drilling accuracy.
- This drill is designed for ease of penetration and to facilitate chip removal in tough, hard materials.

### Type 260-BN

#### 118Point - Screw Machine Length TiN Coated High-Speed Steel

- The short length of drill and flute makes this an especially rigid drill for greater drilling accuracy.
- Can be used for all screw machine operation.
- This drill is designed for ease of penetration and to facilitate chip removal in tough, hard materials

#### 29 Pcs.

Part #	1/16 - 1/2 by 64ths	Qty of each
10390 SM-29	Screw Machine - 118° Point	1

#### 60 Pcs.

Part #	#1 - 60	Qty of each
35210 SM-60	Screw Machine - 118° Point	1

#### 29 Pcs.

Part #	1/16 - 1/2 by 64ths	Qty of each
25243 SMN-29	Titanium nitride - Screw Machine	1

#### 60 Pcs.

Part #	#1 - 60	Qty of each
25253 SMN-60	Titanium nitride - Screw Machine	1

# Cutting Tool Sets

**NORSEMAN/CTD**  
DRILL & TOOL

## BLACK OXIDE & TiN COATED - SCREW MACHINE LENGTH

**Type 135** Screw Machine Length,  
NAS 907C Black Oxide 135° Split Point

- A sturdy drill for use in portable power drilling.
- Accurate centering, fast penetration. Ideal for thin metal work.

**Type 135-TN** TiN Coated,  
NAS 907C Screw Machine Length,  
Heavy-Duty 135° Split Point

- A sturdy drill for use in portable power drilling.
- Accurate centering, fast penetration. Ideal for thin metal work.
- TiN coating extends tool life.

**Type 135-AG**  
Screw Machine Length, Magnum Super Premium  
Black & Gold, 135° Split Point

- Special Hi-Molybdenum surface treated body and clearance for maximum lubricity.
- Recommended for work hardening grades of stainless steel and other hard metal drilling applications.

**10 Pcs.**

1/16 - 5/32 by 64ths + 3/16, 7/32, 1/4

Part #	Description	Qty of each
43660 T-10	Black Oxide - 135° Split Point	1

**11 Pcs.**

1/16 - 3/8 by 32nds

Part #	Description	Qty of each
43670 T-11	Black Oxide - 135° Split Point	1

**13 Pcs.**

1/16 - 1/4 by 64ths

Part #	Description	Qty of each
43690 T-13	Black Oxide - 135° Split Point	1

**21 Pcs.**

1/16 - 3/8 by 64ths

Part #	Description	Qty of each
43710 T-21	Black Oxide - 135° Split Point	1

**26 Pcs.**

A - Z

Part No.	Description of Sizes	Qty of each
66850 SPT-26	Black & Gold - 135° Split Point	1

**29 Pcs.**

1/16 - 1/2 by 64ths

Part #	Description	Qty of each
43730 T-29	Black Oxide - 135° Split Point	1
96680 TN-29	TiN Coated - 135° Split Point	1
66490 SPT-29	Black & Gold - 135° Split Point	1

**60 Pcs.**

# 1 - 60

Part #	Description	Qty of each
43750 T-60	Black Oxide - 135° Split Point	1
96730 TN-60	TiN Coated - 135° Split Point	1
23560 SPT-60	Black & Gold - 135° Split Point	1



**TN-29**



**TN-60**

Cutting Tool Sets - Black Oxide / TiN Coated Screw Machine Length

## SILVER & DEMING



**S&D-4SP**

### 4 Pcs.

9/16, 5/8, 3/4, 1"

Part #	Description	Qty of each
12260 S&D-4	1/2" Shank-Silver & Deming	1
12250 S&D-4SP	1/2" Shank-Silver & Deming	1
74771 S&D-4AGX	1/2" Shank-Silver & Deming	1
29551 S&D-4D	M42 Cobalt	1

### 8 Pcs.

9/16 - 1" by 16ths

Part #	Description	Qty of each
43200 S&D-8	1/2" Shank - Silver & Deming	1
92400 S&D-8SP	1/2" Shank - Silver & Deming	1
74781 S&D-8AGX	1/2" Shank - Silver & Deming	1
29571 S&D-8D	M42 Cobalt	1

### 33 Pcs.

1/2 - 1" by 64ths

Part #	Description	Qty of each
43201 S&D-33	1/2" Shank Silver & Deming 130	1
92401 S&D-33SP	1/2" Shank Silver & Deming 130-AG	1

### 4 Pcs.

Part No.	Description of Sizes	Qty of each
54520 S&D-4MRO	9/16, 5/8, 3/4 & 1"	1

### Type 130-AG

1/2" Shank Silver & Deming  
Magnum Super Premium,  
3-Flats on Shank  
Heavy-Duty, 135° Split Point

- 135° split point for fast penetration and accurate starting without a center punch.
- One piece solid construction
- Sizes larger than 1" diameter have 118° split point.
- Recommended for use in work hardening grades of stainless steel and other hard metal drilling applications.

### Type 130-AGX

1/2" Shank Silver & Deming,  
Premium - 3-Flats on Shank  
118° Split Point

- M2 High Speed Steel
- Precision ground point, flutes, body and clearance.
- 118° split point for general purpose drilling in metal, wood and plastic.

### Type 130-D

1/2" Shank Silver & Deming  
M42 Cobalt 135° Split point

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.

### Type 130

1/2" Shank Silver & Deming  
118° General Purpose

- This general purpose 118° point high-speed steel drill is recommended for use in portable air and electric drilling equipment with 1/2" chucks.
- Type 130 drills may be used in power applications such as drill presses where a short rigid drill is required.

### Type 130-MRO

Silver & Deming, 135° Split Point,  
3-Flats on Shank

- The 130-MRO is a shorter (5") tougher version of our very popular 1/2" reduced shank product.
- Designed specifically for the needs of the MRO market, the 130-MRO has a slit point (135°) to insure fast hole starts without drill walking.
- This feature packed tool provides tremendous value for your drilling dollar.

## WELDOUT™ SPOTWELD DRILLS SETS

- This rugged high performance drill is designed to effectively cut auto body panel spot welds.
- The high red hardness of cobalt steel permits speeds 30% greater than H.S.S. drills.
- Cobalt steel is substantially more abrasion resistant, resulting in long wearing cutting edges.
- A selection of the most popular sizes of spotweld drills in an attractive, rugged black steel case.



**TYPE 187 WO-4**

Part #	Description of Sizes
35050	8.0mm & 10mm Single-end 8.0mm & 10mm Twin-end



**TYPE 186 WO-6**

Part #	Description of Sizes
35010	6.5mm, 8.0mm & 10.0mm single-end drills. 6.5mm, 8.0mm & 10.0mm twin end drills.

## LEFT HAND DRILL SETS

### Type 190-AL

#### Magnum Super Premium - Left Hand Spiral 135° Split Point

- Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance.
- Ideal for drilling broken studs.
- Need for screw and bolt extractor may be eliminated.

### 8 Pcs.

Part No.	Description of Sizes	Qty of each
87650 LF-8	1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	1

### 12 Pcs.

Part No.	Description of Sizes	Qty of each
87651 LF-12	1/16-5/16 by 32nds, 3/8, 7/16 & 1/2	1

### 13 Pcs.

Part No.	Description of Sizes	Qty of each
87652 LF-13	1/16-1/4 by 64ths	1

### 15 Pcs.

Part No.	Description of Sizes	Qty of each
87654 LF-15	1/16 - 1/2 by 32nds	1

### 17 Pcs.

Part No.	Description of Sizes	Qty of each
87853 LF-17	1/16-1/4 by 64ths, 5/16-1/2 by 16ths	1

### 29 Pcs.

Part No.	Description of Sizes	Qty of each
87854 LF-29	1/16-1/2 by 64ths	1

### 29 Pcs.-Ultra Dex

Part No.	Description of Sizes	Qty of each
87859 LF-29P	1/16-1/2 by 64ths	1



## BRAD POINT DRILLS

### Type 16-AG

#### Jobber Length Burrou™ Brad Point Super Premium

- These high performance drills made from Hi-Moly tool steel will cut holes in wood or plastics and leave no burr.
- They will also drill splinter free holes in wood.
- The special BURROUT™ point cuts at the circumference of the hole to avoid the break through burr problems common with standard point drills.



### 10 Pcs.

Part No.	Description of Sizes	Qty of each
42001 BF-10	5/64-3/16 by 64ths + 7/32, 1/4	1

### 14 Pcs.

Part No.	Description of Sizes	Qty of each
42031 BF-14	5/64-3/16 by 64ths + 7/32, 1/4-1/2 by 16ths	1

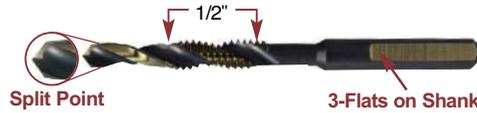
Cutting Tool Sets - Spotweld Drill, Left Hand & Brad Point

## TAP & DRILL, COMBINATION DRILL & TAPS SETS

### Type 40-AG

#### Combination Drill & Tap Sets - Magnum Super Premium

- Combination drill and taps are ideally suited for on-site tapping in construction, maintenance and repair, assembly, production and other applications where one pass drilling and tapping saves time and costs.
- Gold surface treatment for maximum lubricity.
- Self-centering split point insures excellent drilling precision and accuracy.



**DT-7F**



Part No.	Description of Sizes	Part No.	Description of Sizes
73991	7 pc set	73990	7 pc set
40-AG - DT-7F	8-36, 10-32, 1/4-28,	40-AG - DT-7C	8-32, 10-24, 1/4-20,
Fine	5/16-24, 3/8-24, 7/16-20, 1/2-20	Coarse	5/16-18, 3/8-16, 7/16-14, 1/2-13

## TAP & DRILL SETS

### Magnum Super Premium

- Hi-Molybdenum super premium twist drill combined with the corresponding Hi-Tungsten Magnum Super Premium tap.
- Both tools are gold surface treated for maximum lubricity, and precision ground for the ultimate in accuracy and performance.

### SP-18TD SPIRAL POINT, NC

Part No.	Description of Sizes
57580	
190-AG Drill Sizes	#36, 29, 25, 21, 7, F, 5/16, U & 27/64
20-AG Tap Sizes	6-32, 8-32, 10-24, 10-32, 1/4-20 7 5/16-18, 3/8-16, 7/16-14 & 1/2-13

### SP-18TDM SPIRAL POINT, METRIC

Part No.	Description of Sizes
57990	
170-AG Drill Sizes (mm)	2.05, 2.50, 2.90, 3.30, 4.20 5.00, 6.70, 8.50 & 10.20
21-AG Tap Sizes (mm)	2.5-.45, 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80, 6.0-1.00, 8.0-1.25, 10.0-1.50 & 12.0-1.75

### SP-18TDF SPIRAL POINT, NF

Part No.	Description of Sizes
58010	
190-AG Drill Sizes	#33, 29, 25, 21, 3, 1, Q, 25/64 & 29/64
20-AG Tap Sizes	6-40, 8-36, 10-24, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20 & 1/2-20

### SP-12TD SPIRAL POINT, NC

Part No.	Description of Sizes
58501	
190-AG Drill Sizes	#36, 29, 25, 21, 7, F
20-AG Tap Sizes	6-32, 8-32, 10-24, 10-32, 1/4-20 & 5/16-18

### SF-18TDC

Part No.	Description of Sizes
60930	
190-AG Drill Sizes	#36, 29, 25, 21, 7, F, 5/16, U & 27/64
24-AG Tap Sizes	6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16, 7/16-14 & 1/2-13

### STRAIGHT FLUTE, NC

### SF-18TDF

Part No.	Description of Sizes
60940	
190-AG Drill Sizes	#33, 29, 25, 21, 3, 1, Q, 25/64 & 29/64
24-AG Tap Sizes	6-40, 8-36, 10-24, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20 & 1/2-20

### STRAIGHT FLUTE, NF

### SF-10TD

Part No.	Description of Sizes
58500	
190-AG Drill Sizes	31/64
130-AG Drill Sizes	17/32, 21/32, 49/64 & 7/8
24-AG Tap Sizes	9/16-12, 5/8-11, 3/4-10, 7/8-9 & 1-8

### STRAIGHT FLUTE, NC

### BRIGHT FINISH 118° POINT DRILL & HSS GENERAL PURPOSE TAPS

### B-18TD

Part No.	Description of Sizes
60541	
100 Drill Sizes	# 7, 21, 25, 29, 36, F, U, 5/16, 27/64
100 Drill Sizes	# 7, 21, 25, 29, 36, F, U
20 Tap Sizes	6-32, 8-32, 10-24, 10-32, 1/4-20 5/16-18 3/8-16, 7/16-14, 1/2-13

### 118° POINT DRILLS MAINT.

# Cutting Tool Sets

**NORSEMAN/CTD**  
DRILL & TOOL

## STEP DRILL SETS

**Type 78-AG 3-Flatted Shank, Type 78-AGN TiN Coated / Type 78-QR Quick Release, Type 78-QRN TiN Coated Ultra™ Bit Super Premium, Multi-Diameter Step Drill 3-Flats on Shank**

- Dual flute construction drills clean accurate holes in thin materials, quickly and easily.
- Use for all thin metals, rigid plastics and wood or composite materials with a thickness equal to or less than the step thickness.
- When drilling steel with 1/8" or greater thickness, a starter hole of the smallest step diameter will speed the drilling process.

### TYPE 78-AG SETS

SETS - 3 & 4pcs.	Sizes	
01911	1/8 - 1/2, 3/16 - 1/2, & 1/4 - 3/4	
01921	1/8 - 1/2, 3/16 - 1/2, & 3/16 - 7/8	
01931	1/8 - 1/2, 3/16 - 1/2, 7/8 & 1-1/8	<b>ELECTRICIANS - SET</b>
01941	1/8 - 1/2, 3/16 - 1/2, & 9/16 - 1"	
01981	1/8 - 1/2, 1/4 - 3/4, 1/4 - 7/8, 7/8 - 1-1/8"	

### TYPE 78-AGN TiN COATED - SETS

SETS - 3 & 4pcs.	Sizes	
01811	1/8 - 1/2, 3/16 - 1/2, & 1/4 - 3/4	
01821	1/8 - 1/2, 3/16 - 1/2, & 3/16 - 7/8	
01831	1/8 - 1/2, 3/16 - 1/2, 7/8 & 1-1/8	<b>ELECTRICIANS - SET</b>
01841	1/8 - 1/2, 3/16 - 1/2, & 9/16 - 1"	
01871	1/8 - 1/2, 1/4 - 3/4, 1/4 - 7/8, 7/8 - 1-1/8"	

### TYPE 78-QR QUICK RELEASE SETS

SETS - 3 pc.	Sizes	
01441	1/8 - 1/2, 3/16 - 1/2, & 3/16 - 7/8	
01451	1/8 - 1/2, 3/16 - 1/2, & 1/4 - 3/4	
01961	1/8 - 1/2, 3/16 - 1/2, 7/8 & 1-1/8	<b>ELECTRICIANS - SET</b>

### TYPE 78-QRN QUICK RELEASE SETS

SETS - 3 pc.	Sizes	
68561	1/8 - 1/2, 3/16 - 1/2, & 3/16 - 7/8	
68571	1/8 - 1/2, 3/16 - 1/2, & 1/4 - 3/4	
68581	1/8 - 1/2, 3/16 - 1/2, 7/8 & 1-1/8	<b>ELECTRICIANS - SET</b>



## BOLT EXTRACTOR SETS

**Type 420 & Type 421-AG Sets**

- Left-hand spiral drills often eliminate the need for bolt extractors.
- Drill may loosen bolt stud with counter clockwise rotation.

**Left Hand Drill - Spiral Bolt Extractor Sets**

**BR-8 - Type 420 & 190-AL**

Part No.	Description of Sizes	Qty of each
88550	EX 1, 2, 3, 4 + 3/32, 1/8, 3/16, 1/4 drills	1

**BR-10 - Type 420 & 190-AL**

Part No.	Description of Sizes	Qty of each
58510	EX 1, 2, 3, 4, 5 + 3/32, 1/8, 3/16, 1/4, 5/16 drills	1

**Bolt Extractor Set - Spiral Extractor**

**SE-4N - Type 420**

Part No.	Description of Sizes	Qty of each
47170	EX 2, 3, 4, 5	1

**SE-5N - Type 420**

Part No.	Description of Sizes	Qty of each
47180	EX 1, 2, 3, 4, 5	1

**Left Hand Drill - Square Extractor Set**

**BR-8SQ - Type 421-AG, Square & 190-AL**

Part No.	Description of Sizes	Qty of each
70850	E 1, 2, 3, 4 + 1/8, 3/16, 1/4, 5/16	1

**Bolt Extractor Sets - Square Extractor**

**SQE-4 - Type 421-AG**

Part No.	Description of Sizes	Qty of each
70840	E 2, 3, 4, 5	1

**BR-10**



**CHATTERPROOF™  
COUNTERSINK SETS  
SUPER PREMIUM**

Type 82-AG Countersinks  
Type 90-AG Deburring Tools



These high performance, flute-less tools are:

- Single cutting edge - for fast stock removal
- Chatterproof - for a micro smooth finish
- Wide selection of styles & angles - a tool for any job

*Recommended for smoother finishes on metal, plastic and wood applications.*

### TYPE 82-AG & 90-AG SETS

Part No.	Description of Sizes
<b>SP-4CS</b> 10440	82-AG C/S sizes: CS55, CS65, CS55, CS105
<b>SP-4ACS</b> 10442	82-AG C/S sizes: CS65, CS85, CS105, CS3/16S
<b>SP-6DB</b> 10450	90-AG D/B sizes: DB1/16, DB1/8, DB5/32, DB3/16, DB5/16 & DB9/16
<b>SP-9CS</b> 10443	82-AG C/S sizes: CS55, CS65, CS85, CS105, CS1/4, CS5/16, CS3/8, CS7/16, & CS1/2

## HOLE EXPANSION TOOLS

### TYPE 50-AG STANDARD FLUTE SETS



**SET - Contains 1 ea.**

12270	CR-4SP	3/8, 1/2, 5/8, 3/4
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### Type 50-AG

Car Reamers, Standard Flute 3-Flats on Shank



- Special Hi-Tungsten tool steel, gold surface treated body and clearance for maximum lubricity.
- These reamers are designed for the reaming of hardened steel commonly found in truck frames, rail cars, bridges, and pressure vessels.
- Use only to enlarge previously formed or drilled holes.

### TYPE 51-AG FAST SPIRAL SETS



**SET - Contains 1 ea.**

12271	CR-4FS	3/8, 1/2, 5/8, 3/4
12281	SM-4FS	5/16, 3/8, 7/16, 1/2

*The 51-AG, with the fast spiral, is the more aggressive of the two styles. It also will fit the needs of users who prefer a stop collar.*

### Type 51-AG

Car Reamers - Fast Spiral Hole Buster™  
Super Premium 3-Flats on Shank



- Special Hi-Tungsten tool steel, gold surface treated body and clearance for maximum lubricity.
- These reamers are designed for the reaming of hardened steel commonly found in truck frames, rail cars, bridges, and pressure vessels.

## HOLE HOG™ SETS

### Type 134-AG

Magnum Super Premium 1/2" Shank  
(3-flats on shank) 4-Flute Core Drill

- A selection of core drills and companion (minimum starting hole size) pilot drills in a black steel index.



### SP-8HH Set contains:

1 each:  
134-AG core drill sizes 3/8, 1/2, 5/8 & 3/4  
175-AG drill sizes 1/4, 5/16, 25/64 & 15/32  
**Part # 38880**

### SP-6HHL Set contains:

1 each:  
134-AG core drill sizes 1/2, 5/8 & 3/4  
175-AG drill sizes 5/16, 25/64 & 15/32  
**Part # 38870**

### SP-6HHS Set contains:

1 each:  
134-AG core drill sizes: 3/8, 1/2 & 5/8  
175-AG drill sizes 1/4, 5/16 & 25/64  
**Part # 38860**

## CARBIDE HOLE CUTTER SETS

### Type CHC-AG & CHD-AG

Magnum Premium



### Type CHC-AG Cuts up to 3/16" Thin Material

**HC-4B** ..... Part # 62600

Set contains: 1 each:  
Fractional sizes: 11/16, 13/16, 15/16, 1-1/16.

**HC-4A** ..... Part # 62610

Set contains: 1 each:  
Fractional sizes: 5/8, 3/4, 7/8, 1-inch.

**HC-5C** ..... Part # 62620

Set contains: 1 each:  
Fractional sizes: 7/8, 1-1/8, 1-3/8, 1-3/4, 2-inch.

*CHC-AG Individual Sizes Available 9/16 to 5-inch*

### Type CHD-AG Cuts up to 1" Thick Material

**HCD-4B** ..... Part # 64300

Set contains: 1 each:  
Fractional sizes: 11/16, 13/16, 15/16, 1-1/16.

**HCD-4A** ..... Part # 64310

Set contains: 1 each:  
Fractional sizes: 5/8, 3/4, 7/8, 1-inch.

**HCD-5C** ..... Part # 64320

Set contains: 1 each:  
Fractional sizes: 7/8, 1-1/8, 1-3/8, 1-3/4, 2-inch.