

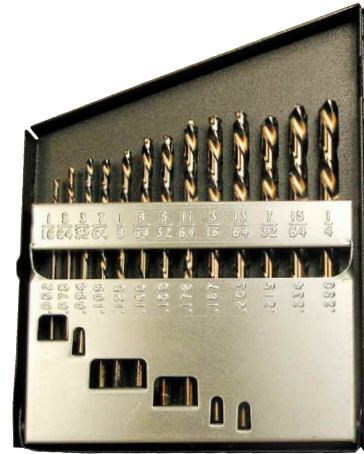
Specialty Tools

LEFT-HAND HEAVY DUTY JOBBER LENGTH DRILLS

Type 190-AL

Magnum Super Premium - Left Hand Spiral

- Special Hi-Molybdenum tool steel.
- 135° split point for fast penetration and accurate starting without center punch.
- Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance.
- Body and clearance are gold surface treated for maximum lubricity.
- Ideal for removing broken studs.



| TYPE 190-AL | | LEFT HAND SPIRAL | | |
|-------------|--|------------------|--|--|
|-------------|--|------------------|--|--|

| Part No. | Diameter Inches | Overall Length Inches | Flute Length Inches | Qty. per/pack |
|----------|-----------------|-----------------------|---------------------|---------------|
| 92430 | 1/16 | 1-7/8 | 7/8 | 6 |
| 23150 | 5/64 | 2 | 1 | 6 |
| 89290 | 3/32 | 2-1/4 | 1-1/4 | 6 |
| 23160 | 7/64 | 2-5/8 | 1-1/2 | 6 |
| 92440 | 1/8 | 2-3/4 | 1-5/8 | 6 |
| 92441 | 9/64 | 2-7/8 | 1-3/4 | 6 |
| 23170 | 5/32 | 3-1/8 | 2 | 6 |
| 92442 | 11/64 | 3-1/4 | 2-1/8 | 6 |
| 92450 | 3/16 | 3-1/2 | 2-5/16 | 6 |
| 92443 | 13/64 | 3-5/8 | 2-7/16 | 6 |
| 92444 | 7/32 | 3-3/4 | 2-1/2 | 6 |
| 92451 | 15/64 | 3-7/8 | 2-5/8 | 6 |
| 92460 | 1/4 | 4 | 2-3/4 | 6 |
| 92452 | 17/64 | 4-1/8 | 2-7/8 | 6 |
| 92453 | 9/32 | 4-1/4 | 2-15/16 | 6 |
| 23180 | 19/64 | 4-3/8 | 3-1/16 | 3 |
| 92470 | 5/16 | 4-1/2 | 3-3/16 | 3 |
| 92471 | 21/64 | 4-5/8 | 3-5/16 | 3 |
| 92472 | 11/32 | 4-3/4 | 3-7/16 | 3 |
| 92473 | 23/64 | 4-7/8 | 3-1/2 | 3 |
| 92480 | 3/8 | 5 | 3-5/8 | 3 |
| 92481 | 25/64 | 5-1/8 | 3-3/4 | 3 |
| 92482 | 13/32 | 5-1/4 | 3-7/8 | 3 |
| 92483 | 27/64 | 5-3/8 | 3-15/16 | 3 |
| 92490 | 7/16 | 5-1/2 | 4-1/16 | 3 |
| 92491 | 29/64 | 5-5/8 | 4-3/16 | 3 |
| 92492 | 15/32 | 5-3/4 | 4-5/16 | 3 |
| 92493 | 31/64 | 5-7/8 | 4-3/8 | 3 |
| 92500 | 1/2 | 6 | 4-1/2 | 3 |

| TYPE 190-AL LEFT-HAND SPIRAL SETS | | |
|-----------------------------------|--|--|
|-----------------------------------|--|--|

| 8 Pcs | | |
|----------|------------------------|-------------|
| Part No. | Description of Sizes | Qty of each |
| 87650 | LF-8 1/16-1/2 by 16ths | 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 |

Broken Bolt Remover Combo

Type 420-AL

- Carded left hand drill combined with spiral style screw extractor is ideal for removing broken studs.

| Part No. | Screw Extractor Number | Description of Sizes | Qty of each |
|----------|------------------------|----------------------|-------------|
| 30130 | EX-1 | 3/32 LH drill | 1 |
| 30140 | EX-2 | 1/8 LH drill | 1 |
| 30150 | EX-3 | 3/16 LH drill | 1 |
| 30160 | EX-4 | 1/4 LH drill | 1 |
| 30170 | EX-5 | 5/16 LH drill | 1 |



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

PRODUCT: TIPS
Bolt Remover Sets Include BOTH Left-Hand Spiral Drills and Bolt/Screw Extractors.

Specialty Tools - Left Hand Spiral Drills & Broken Bolt Extractor