



**MODEL D99 DRIFTING DRILLS**

USE ON HAND CRANK, SF AUTOMATIC SCREW FEEDS AND RM AND QM CHAIN FEEDS  
**PARTS LIST**

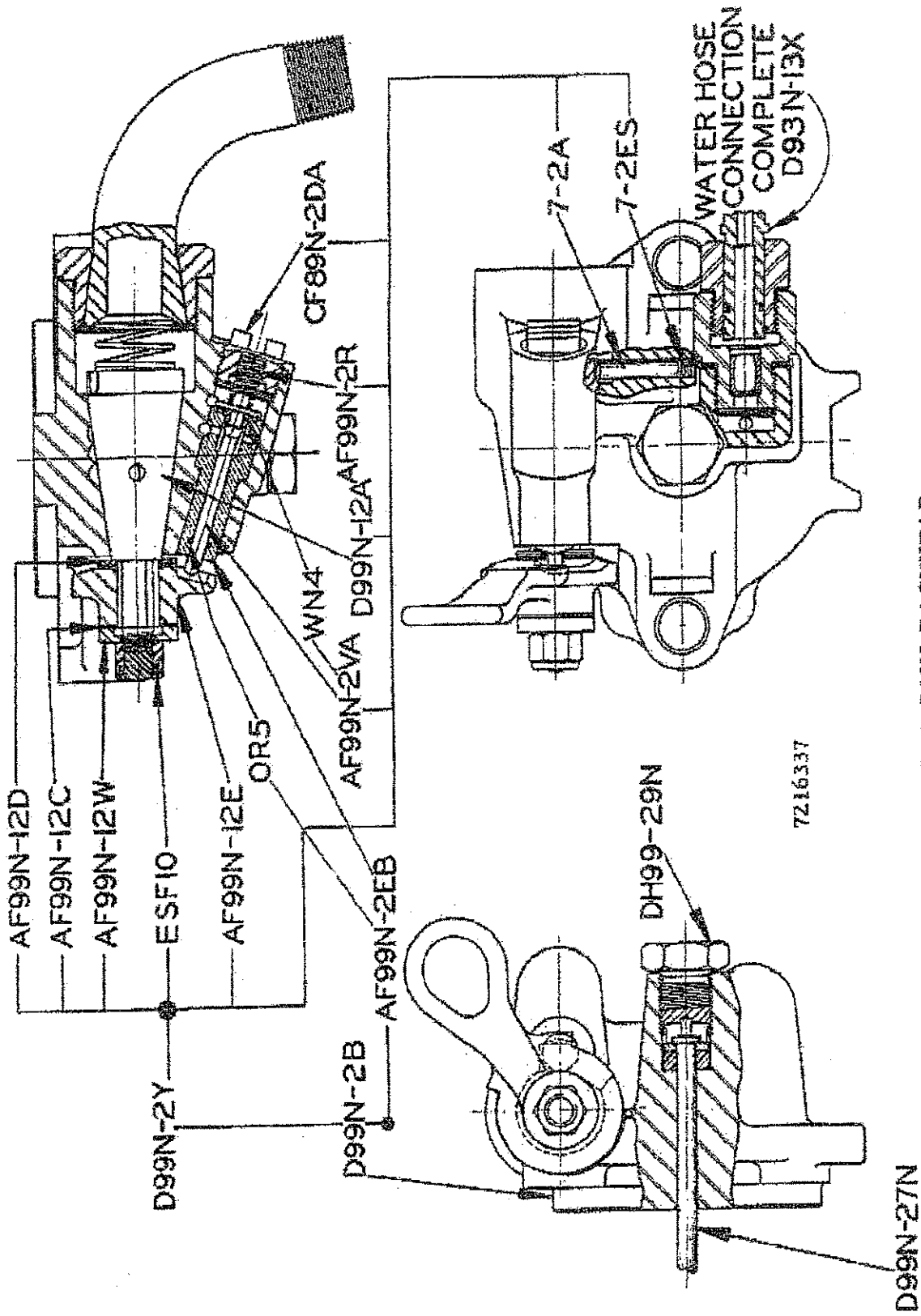
The Model D99 is the largest of the "9" series drifters. It is designed for heavy duty drilling under any condition.

The standard machine is fitted for wet drilling and for use with 1-1/4" round lugged steel.

An integral lubricator is incorporated in the cylinder to lubricate all parts of the drill.

| PART NO    | NAME OF PART   | PART NO                          | NAME OF PART  |
|------------|--|----------------------------------|---|
| D99-1C     | Cylinder Complete with Liner and Lubricator Parts (not supplied without these parts) | DM-303C                          | Feed Screw Nut Washer   |
| 855A-1FS   | Lubricator Metering Pin  | DM-304                           | Feed Screw Nut Nut  |
| PP3A       | Lubricator Plug  | WR4                              | Wrench  |
| D99-1L     | Cylinder Liner   |                                  | When machine is used on hand crank feed, omit SF-63 and supply: |
| D89-2A     | Detent Plunger   | DM-303A                          | Feed Screw Nut  |
| D99-2W     | Back Head  | <b>TAPPET CONSTRUCTION PARTS</b> |   |
| D99-3AX    | Side Rod Complete (2)  | D99-7ETB                         | Tappet Chuck Driver   |
| CF79-3N    | Side Rod Nut (Long) (2)  | D99-7FTA                         | Tappet Chuck Sleeve   |
| CF79-55    | Side Rod Spacer (2)  | D89-7T-B                         | Tappet Chuck, 7/8" Hex  |
| D99-7BD-K  | Chuck, 1-1/8" Rd.  | D89-7T-F                         | Tappet Chuck, 1" Hex  |
| D99-7B-L   | Chuck, 1-1/4" Rd.  | D89-7T-P                         | Tappet Chuck, 1-1/8" Hex  |
| D99-7B-R   | Chuck, 1-1/2" Rd.  | D89-7T-D                         | Tappet Chuck, 7/8" Q.O.   |
| 17L-7C-K   | Chuck Bushing, 1-1/8" Rd.  | D89-7TCK-H                       | Tappet Chuck, 1" Q.O.   |
| 17L-7C-L   | Chuck Bushing, 1-1/4" Rd.  | D89-8                            | Tappet  |
| 17L-7C-R   | Chuck Bushing, 1-1/2" Rd.  | D99-17T                          | Tappet Chuck End  |
| D99-7EB    | Chuck Driver   | D99-27T                          | Tappet Water Tube   |
| D99-7FB    | Chuck Sleeve   | <b>WATER CONNECTION COMPLETE</b> |   |
| D99-7NB    | Chuck Driver Nut   | D93-13X                          | Water Connection Complete, including following parts:           |
| D99-9AA    | Hammer   | 107-13A                          | Water Connection Screen   |
| D99-10A-50 | Rifle Nut  | 107-13BA                         | Water Connection Gasket   |
| D99-10A-36 | Rifle Nut (Fast Rotation)  | 107-13C                          | Water Connection Spud   |
| D99-11-50  | Rifle Bar  | D93-13D                          | Water Connection Nut  |
| D99-11-36  | Rifle Bar (Fast Rotation)  | D93-13E                          | Water Connection Nut Washer                                     |
| 17-11A     | Pawl (4)   | 107-13G                          | Water Connection Spud Gasket                                    |
| 7-11B      | Pawl Plunger (4)   | D93-13R                          | Water Connection Tube Retaining Ring                            |
| 7-11C      | Pawl Spring (4)  | D93-13T                          | Water Connection Tube, including OR10 O-Ring                    |
| D99-12     | Throttle Valve   | OR10                             | Water Connection Tube O-Ring                                    |
| D99-12E    | Throttle Valve Handle  | SHC-13NE                         | 1/2" Hose - 12" Long  |
| D89-12S    | Throttle Valve Spring  | 7-60                             | Water Valve   |
| D99-15A    | Valve Chest  | SHC-62KC                         | Hose Nipple   |
| D99-15BA   | Valve Plug   | BDT3                             | Band-It Jr. Hose Clamp No. 3 (2)                                |
| 7-15D      | Valve Chest Dowel  | <b>REAR WATER CONNECTION</b>     |   |
| D99-16A    | Automatic Valve  |                                  | Remove No. 107-29 from Drill and supply:                        |
| D99-17     | Chuck End  | PP5                              | Water Connection Plug   |
| D99-27     | Water Tube   | 207-29UA                         | Water Tube Gland for Rear Connection                            |
| H81-28     | Filler Plug  |                                  | NOTE: Use D93-13X Water Connection, omitting no. 107-13C Spud   |
| 107-29     | Water Tube Gland   | <b>EXTRAS</b>                    |   |
| WC1        | Water Tube Gland Gasket  | D99E-55                          | Steel Puller Hook (Used Inplace of CF79-3S Side Rod Spacer)     |
| 729D       | Water Tube Gasket  |                                  |   |
| 17-29RE    | Detent Plunger Spring  |                                  |   |
| D89-32C    | Air Connection Spring  |                                  |   |
| D99-33     | Ratchet Ring   |                                  |   |
| 11-33P     | Detent Plunger Lock Pin  |                                  |   |
| 17-39A     | Water Tube Washer  |                                  |   |
| CF99-146   | Swivel Air Connection Plug   |                                  |   |
| CF99-146W  | Swivel Air Connection Plug Washer  |                                  |   |
| CF99-147   | Swivel Air Connection Tube   |                                  |   |
| CF99-149   | Swivel Air Connection Ring   |                                  |   |
| SF-62      | Feed Screw Nut (SF Feed)   |                                  |   |

Continued on page 4



MODEL D99N BACKHEAD

MODEL D99 DRIFTING DRILL (Continued)

EQUIPMENT FOR DEEP HOLE DRILLING

| PART NO  | NAME OF PART  | PART NO  | NAME OF PART   |
|----------|---|----------|--|
|          | Delete from Standard D99 Construction, Parts WC1, D99-13X, D99-27, 107-29 and supply following: |          |  |
| D99-27G  | Water Tube for "Ring Seal" Shank  | WC1      | Back Head Connection Spud Gasket                             |
|          |   | CF99-43  | 1/2" Hose - 18" Long   |
|          |   |          | Valve Complete, including parts CF99-47, CF99-48 and CF99-49 |
| PP5      | Pipe Plug for Water Connection Hole   | CF99-47X | CF99-49  |
|          | Air and Water Hose Connection Assembly, including the following parts:                          | CF99-47  | Valve  |
| CF89-43X | 1/2" Union Hose Nipple - Bent   | CF99-48  | Valve Handle   |
| SHC-13MD | Back Head Connection Spud Nut   | CF99-49  | Valve Handle Pin   |
| 773W-13Y | Back Head Connection Spud Washer  | SCH-62KC | Hose Nipple  |
| D89-13W  | Back Head Connection Spud   | PS6      | 3/8" Street Elbow (2)  |
| D99D-29  |   | BDT3     | Band-It Jr. Hose Clamp No. 3 (2)                             |

MODEL D99J DRIFTER  
FOR MOUNTING ON CHAIN FEEDS

|            |  |          |  |
|------------|--|----------|--|
| DH99J-1    | Cylinder with Liner and Lubricator Parts | 17-11A   | Pawl (4)   |
| S55A-1F-3  | Lubricator Metering Pin                  | 7-11B    | Pawl Plunger (4)   |
| PP3A       | Lubricator Plug                          | 7-11C    | Pawl Spring (4)  |
| D99-1L     | Cylinder Liner                           | D99-15A  | Valve Chest  |
| D99D-2BW   | Back Head                                | D99-15BA | Valve Plug   |
| D99-3AX    | Side Rod with Nut and Spacer (2)         | 7-15D    | Valve Chest Dowel  |
| CF79-3N    | Side Rod Nut                             | D99-16A  | Automatic Valve  |
| CF79-3S    | Side Rod Spacer                          | D99-17   | Chuck End  |
| D99-7BD-K  | Chuck, 1-1/8" Rd.                        | D99D-27C | Air Tube   |
| D99-7BD-L  | Chuck, 1-1/4" Rd.                        | D99D-27F | Air Tube for "Ring Seal" Shank Construction                      |
| D99-7B-R   | Chuck, 1-1/2" Rd.                        | H81-28   | Filler Plug  |
| 17L-7C-K   | Chuck Bushing, 1-1/8" Rd.                | DH99-13C | Air Connection Spud  |
|            |  |          | Air and Water Connection Spud for "Ring Seal" Shank Construction |
| 17L-7C-L   | Chuck Bushing, 1-1/4" Rd.                | 207-29UA | Construction   |
| 17L-7C-R   | Chuck Bushing, 1-1/2" Rd.                | WC1      | Spud Gasket  |
| D99-7EB    | Chuck Driver                             | D99-33   | Ratchet Ring   |
| D99-7FB    | Chuck Sleeve                             | D99D-39  | Air Tube Washer  |
| D99-7NB    | Chuck Driver Nut                         | 93-47G   | Air Tube Gasket  |
| D99D-9HA   | Hammer                                   | PB21     | Main Air Connection Bushing                                      |
| D99-10A-36 | Rifle Nut (Std.)                         | WR4      | Wrench   |
| D99-10A-50 | Rifle Nut (Slow Rotation)                |          |  |
| D99D-11-36 | Rifle Bar (Std.)                         |          |  |
| D99D-11-50 | Rifle Bar (Slow Rotation)                |          |  |

MODEL D99N CONSTRUCTION  
WITH AIR AND WATER CONTROL BACK HEAD  
PARTS REQUIRED FOR CONVERTING STAND D99 TO D99N

|           |  |           |   |
|-----------|--|-----------|---|
|           | Omit from Standard D99 Construction, Parts D89-2A, D99-2W, D99D-12, D99-12E, D89-12S, D93-13X, D99-27, 107-29, 17-29RE, 11-33P and supply the following parts: |           |   |
| D99N-2Y   | Air and Water Control Back Head Complete, including the following up to and including Part AF99N-12W:  | ESF10     | Throttle Valve Handle Nut                             |
| D99N-2B   | Back Head, including AF99N-2EB   | AF99N-12W | Throttle Valve Handle Washer                          |
| 7-2A      | Throttle Valve Detent Plunger  | D99N-27N  | Water Tube  |
| 7-2ES     | Throttle Valve Detent Spring   | DH99-29N  | Water Tube Gland                                      |
| CF89N-2DA | Water Valve Plug   | D93N-13X  | Water Connection Complete, including following parts: |
| AF99N-2EB | Water Valve Bushing with OR5 Ring  | 107-13A   | Water Connection Screen                               |
| OR5       | Water Valve Bushing O-Ring   | 107-13BA  | Water Connection Gasket                               |
| AF99N-2R  | Water Valve Spring   | 107-13C   | Water Connection Spud                                 |
| AF99N-2VA | Water Valve with WN4 Seat  | D93-13D   | Water Connection Nut                                  |
| WN4       | Water Valve Seat   | D93-13E   | Water Connection Nut Washer                           |
| D99N-12A  | Throttle Valve   | 107-13G   | Water Connection Spud Gasket                          |
| AF99N-12C | Throttle Valve Handle Shim - Thin (3)  | D93-13B   | Water Connection Tube Retaining Ring                  |
| AF99N-12D | Throttle Valve Handle Shim - Thick   | D93-13T   | Water Connection Tube, including OR10 O-Ring          |
| AF99N-12E | Throttle Valve Handle  | OR10      | Water Connection Tube O-Ring                          |
|           |  | SHC-13NE  | 1/2" Water Hose - 12" Long                            |
|           |  | SHC-62KC  | Hose Nipple   |
|           |  | PC3       | Pipe Coupling   |
|           |  | BDT3      | Band-It Jr. Hose Clamp No. 3                          |