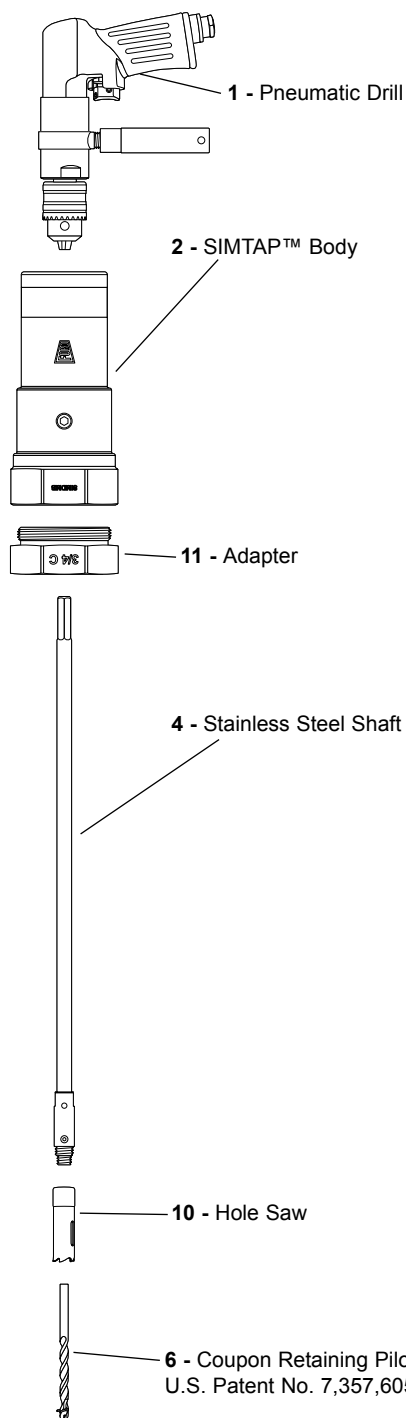


The Ford SIMTAP™ Drilling Machine



SIMTAP™ KITS

Catalogue Number	Description
SIMDMK-NL	Complete SIMTAP™ Drilling Machine with Pneumatic Drill (includes items 1-11) (28.68 lbs)
SIMDMK-LD-NL	The SIMTAP™ Drilling Machine Kit less Pneumatic Drill (includes items 2-11) (25.08 lbs)
SIMDMK-B-NL	The SIMTAP™ Drilling Machine Base Kit (includes items 2-8) (13.4 lbs)

COMPONENT PARTS

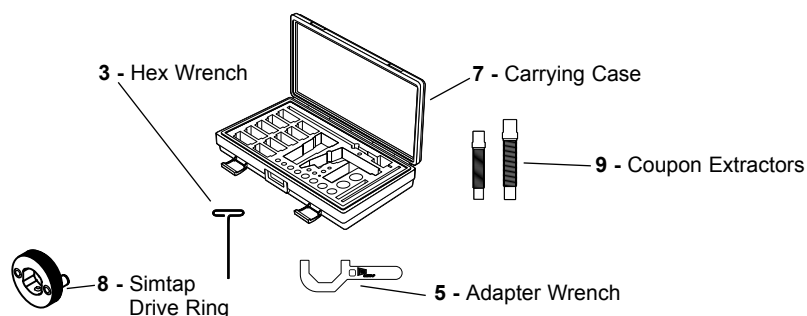
Ref. No.	Catalogue Number	Description
1	SIMAD	Pneumatic Drill
2	SIMDMB-NL	SIMTAP™ Drilling Machine Body with bleed-off port (combination body and 2" flare copper thread adapter)
3	SIMHW	Pilot Drill Hex Wrench
4	SIMDMBB-SS-NL	Stainless Steel Shaft with Dual Arbor
5	SIMDMAW	Adapter Wrench
6	SIMDMPD-NL	1/4" Coupon Retaining Pilot Bit
7	SIMDMTB	SIMTAP™ Drilling Machine Carrying Case
8	*SIMDRIVE-SS-NL	Simtap Drive Ring for use with 1-1/2" & 2" Hole Saws
9	SIMCE1-SS-NL	1/2" Coupon Extractor
	SIMCE2-SS-NL	5/8" Coupon Extractor
10	SIMDMHS-3-NL	11/16" Hole Saw
	SIMDMHS-4-NL	7/8" Hole Saw
	SIMDMHS-6-NL	1-3/8" Hole Saw
	SIMDMHS-7-NL	1-7/8" Hole Saw
11	SIMDMA1-3-NL	3/4" Iron Pipe Thread Adapter (Red)
	SIMDMA2-3-NL	3/4" Flare Copper Thread Adapter (Purple)
	SIMDMA1-4-NL	1" Iron Pipe Thread Adapter (Turquoise)
	SIMDMA2-4-NL	1" Flare Copper Thread Adapter (Grey)
	SIMDMA6-4-Q-NL	1" PEP Quick Joint Thread Adapter (Blue)
	SIMDMA1-6-NL	1-1/2" Iron Pipe Thread Adapter (Brown)
	SIMDMA2-6-NL	1-1/2" Flare Copper Thread Adapter (Orange)
	SIMDMA4-6-Q-NL	1-1/2" CTS Quick Joint Thread Adapter (Green)
	SIMDMA1-7-NL	2" Iron Pipe Thread Adapter (Gold)
	SIMDMA4-7-Q-NL	2" CTS Quick Joint Thread Adapter (Yellow)

* Requires newer model boring bar with flats and dimple / detent

Optional Items

CATALOGUE NUMBER	DESCRIPTION
SIMDMA6-3-Q-NL	3/4" PEP Quick Joint Thread Adapter (Aqua)
SIMDMA1-5-NL	1-1/4" Iron Pipe Thread Adapter (Black)
SIMDMA2-5-NL	1-1/4" Flare Copper Thread Adapter (Pink)
SIMDMA4-5-Q-NL	1-1/4" CTS Quick Joint Thread Adapter (Silver)
SIMDMA1-8-NL	2-1/2" Iron Pipe Thread Adapter (Silver)
SIMDMHS-5-NL	1-1/8" Hole Saw
SIMDMSC-3-PVC-NL	11/16" Shell Cutter for PVC (Asbestos Cement)
SIMDMSC-4-PVC-NL	7/8" Shell Cutter for PVC (Asbestos Cement)
SIMDMSC-5-PVC-NL	1-1/8" Shell Cutter for PVC (Asbestos Cement)
SIMDMSC-6-PVC-NL	1-3/8" Shell Cutter for PVC (Asbestos Cement)
SIMDMSC-7-PVC-NL	1-7/8" Shell Cutter for PVC (Asbestos Cement)
**SIMDMSC-6-PVC-HDPE-NL	1-3/8" Shell Cutter for PVC or HDPE
**SIMDMSC-7-PVC-HDPE-NL	1-7/8" Shell Cutter for PVC or HDPE
SIMDMBB-285-SS-NL	Stainless Steel Shaft with Dual Arbor - 28-1/2" Long
SIMDMPD-5-5-NL	1/4" Coupon Retaining Pilot Bit - 5-1/2" Long for HDPE

** Requires 5-1/2" long pilot bit (SIMDMPD-5-5-NL).



SIMTAP™ Options

CUTTING TOOLS

To select a cutting tool, choose the proper column for the type of water main, and select the nominal hole size. The proper cutting tool catalogue number is in the far left column.

Catalogue Number	Description	Corp Stop Size	Type of Water Main (Nominal Hole Size)			
			PVC	Iron	Asbestos Cement	**HDPE
SIMDMHS-3-NL	11/16" Hole Saw	3/4"	—	3/4"	3/4"	-
SIMDMHS-4-NL	7/8" Hole Saw	1"	—	1"	1"	-
SIMDMHS-5-NL	1-1/8" Hole Saw	1-1/4"	—	1-1/4"	1-1/4"	-
SIMDMHS-6-NL	1-3/8" Hole Saw	1-1/2"	—	1-1/2"	1-1/2"	-
SIMDMHS-7-NL	1-7/8" Hole Saw	2"	—	2"	2"	-
SIMDMSC-3-PVC-NL	11/16" Shell Cutter for PVC	3/4"	3/4"	—	3/4"	3/4"
SIMDMSC-4-PVC-NL	7/8" Shell Cutter for PVC	1"	1"	—	1"	1"
SIMDMSC-5-PVC-NL	1-1/8" Shell Cutter for PVC	1-1/4"	1-1/4"	—	1-1/4"	1-1/4"
SIMDMSC-6-PVC-NL	1-3/8" Shell Cutter for PVC	1-1/2"	1-1/2"	—	1-1/2"	1-1/2"
SIMDMSC-7-PVC-NL	1-7/8" Shell Cutter for PVC	2"	2"	—	2"	2"
**SIMDMSC-6-PVC-HDPE-NL	1-3/8" Shell Cutter for PVC or HDPE	1-1/2"	1-1/2"	-	1-1/2"	1-1/2"
**SIMDMSC-7-PVC-HDPE-NL	1-7/8" Shell Cutter for PVC or HDPE	2"	2"	-	2"	2"

** See tables below when tapping HDPE pipe and choose the appropriate cutter based on wall thickness. When using the SIMDMSC-x-PVC-HDPE-NL, the SIMDMPD-5-5-NL drill bit must also be used.

Highlighted cells indicate the need for an HDPE shell cutter (SIMDMSC-x-PVC-HDPE-NL).

HDPE Ductile Iron Pipe Size (PE4710) Wall Thickness

Nominal Size	Avg. OD	DR7	DR9	DR11	DR13.5	DR17	DR21	DR26	DR32.5
4	4.80	0.69	0.53	0.44	0.36	0.28	0.23	0.19	0.15
6	6.90	0.95	0.77	0.63	0.51	0.41	0.33	0.27	0.51
8	9.05	1.29	1.01	0.82	0.67	0.53	0.43	0.35	0.28
10	11.10	1.59	1.23	1.01	0.82	0.65	0.53	0.43	0.34
12	13.20	1.89	1.47	1.20	0.98	0.78	0.63	0.51	0.41
14	15.30	2.19	1.70	1.39	1.13	0.90	0.73	0.59	0.47
16	17.40	2.49	1.93	1.58	1.29	1.02	0.83	0.67	0.54
18	19.50	2.79	2.17	1.77	1.44	1.15	0.93	0.75	0.60
20	21.60	-	2.40	1.96	1.60	1.27	1.03	0.83	0.67
24	25.80	-	2.87	2.35	1.91	1.52	1.23	0.99	0.79
30	32.00	-	-	2.91	2.37	1.88	1.52	1.23	0.99
36	38.30	-	-	-	2.84	2.25	1.82	1.47	1.18
42	44.50	-	-	-	-	2.62	2.12	1.71	1.37
48	50.80	-	-	-	-	2.99	2.42	1.95	1.56

HDPE Steel Pipe Size (PE4710) Wall Thickness

Nominal Size	Avg. OD	DR7	DR9	DR11	DR13.5	DR17	DR21	DR26	DR32.5
4	4.50	0.64	0.50	0.41	0.33	0.27	0.21	0.17	0.14
6	6.63	0.95	0.74	0.60	0.49	0.39	0.32	0.26	0.20
8	8.63	1.23	0.96	0.78	0.64	0.51	0.41	0.33	0.27
10	10.75	1.54	1.19	0.98	0.80	0.63	0.51	0.41	0.33
12	12.75	1.82	1.42	1.16	0.94	0.75	0.61	0.49	0.39
14	14.00	2.00	1.56	1.27	1.04	0.82	0.67	0.54	0.43
16	16.00	2.29	1.78	1.46	1.19	0.94	0.76	0.62	0.49
18	18.00	2.57	2.00	1.64	1.33	1.06	0.86	0.69	0.55
20	20.00	2.86	2.22	1.82	1.48	1.18	0.95	0.77	0.62
24	24.00	3.43	2.67	2.18	1.78	1.41	1.14	0.92	0.74
26	26.00	-	2.89	2.36	1.93	1.53	1.24	1.00	0.80
28	28.00	-	3.11	2.55	2.07	1.65	1.33	1.08	0.86
30	30.00	-	3.33	2.73	2.22	1.77	1.43	1.15	0.92
36	36.00	-	-	3.27	2.67	2.12	1.71	1.39	1.11
42	42.00	-	-	-	-	2.47	2.00	1.62	1.29
48	48.00	-	-	-	-	2.82	2.29	1.85	1.48
54	54.00	-	-	-	-	3.18	2.57	2.08	1.62

SIMTAP™ ADAPTERS

To select an adapter, choose the proper column for the corporation body outlet thread type. The catalogue number for the proper adapter is in the far left column.

Catalogue Number	Description	Colour	Wt. Lbs.
SIMDMA1-3-NL	3/4" Iron Pipe Thread Adapter	Red	1.41
SIMDMA1-4-NL	1" Iron Pipe Thread Adapter	Turquoise	1.37
SIMDMA1-5-NL	1-1/4" Iron Pipe Thread Adapter	Black	1.28
SIMDMA1-6-NL	1-1/2" Iron Pipe Thread Adapter	Brown	1.15
SIMDMA1-7-NL	2" Iron Pipe Thread Adapter	Gold	0.92
SIMDMA1-8-NL	2-1/2" Iron Pipe Thread Adapter	Silver	0.89
SIMDMA2-3-NL	3/4" Flare Copper Thread Adapter	Purple	1.41
SIMDMA2-4-NL	1" Flare Copper Thread Adapter	Grey	1.28
SIMDMA2-5-NL	1-1/4" Flare Copper Thread Adapter	Pink	1.24
SIMDMA2-6-NL	1-1/2" Flare Copper Thread Adapter	Orange	0.98
* Use SIMDMB-NL	2" Flare Copper Thread Adapter	—	—
SIMDMA4-5-Q-NL	1-1/4" CTS Quick Joint Thread Adapter	Silver	1.26
SIMDMA4-6-Q-NL	1-1/2" CTS Quick Joint Thread Adapter	Green	1.09
SIMDMA4-7-Q-NL	2" CTS Quick Joint Thread Adapter	Yellow	0.90
SIMDMA6-3-Q-NL	3/4" PEP Quick Joint Thread Adapter	Aqua	0.90
SIMDMA6-4-Q-NL	1" PEP Quick Joint Thread Adapter	Blue	1.20

* For 2" Flare Copper, use the SIMTAP™ body without an adapter.

The SIMTAP™ is compatible with all corporation stops complying with the AWWA C800 Standard. The SIMTAP™ also works on Ball Corporation Stops and most other valve types. Consult with factory for non-standard valve applications and adapter availability.