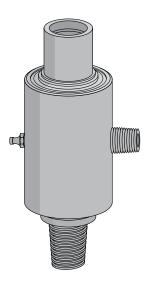
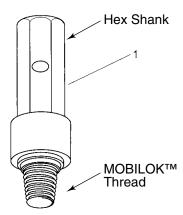
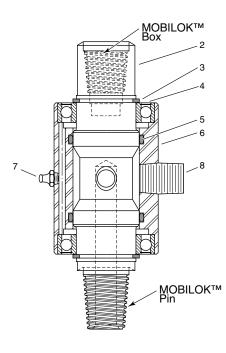
HOSES AND SWIVELS Mobile's full line of top, mount, sideport and heavy duty grout swivels and accessories round out the most extensive line of PRESSURE HOSE drilling tools in the industry. TOP MOUNT FROM WATER/ WATER SWIVEL MUD PUMP OR (SECTION 7) **AIR COMPRESSOR** (SECTION 7) SUB NW (LH) BOX **TO NWML PIN** SUB: 1-5/8" (41.3MM) (SECTION 5) SHANK TO NWML **ROD PIN HYDRAULIC** (SECTION 5 & 7) **TOP MOUNT** CHUCK (3-JAW) SIDEPORT -B-58/B-59 **WATER SWIVEL ROTARY BOX** (SECTION 7) TRI-LOK -**NWML J SERIES** • **HOLLOW STEM DRILL ROD** (SECTION 5) AUGER. USED **AS SURFACE** CASING. (SECTION 2) **SUPER DUTY CUTTERHEAD** (SECTION 2) SUB: NWML BOX TO 3-1/2" API REG BOX NWML-2-3/8", (SECTION 5) **API REG BOX-TO-BOX SUB** (SECTION 5) **TRI-CONE ROLLER BIT** (SECTION 5) **3 WING DRAG BIT** (SECTION 5) **7-1** Key: * Designates weights less than 1 lb (.5kg) **†Consult Factory**







SIDEPORT WATER SWIVEL

Sideport swivels are designed to inject fluid into the drill rod string on drill rigs with a solid spindle (where the use of a top mount swivel is not possible) for mud/air rotary applications. They are also useful when working below the spindle on hollow spindle rigs as when washing down through hollow stem augers when it is not desirable or feasible to remove the universal auger coupling. Swivels are run rod box up, rod pin down. Order hex adapter separately.

SIDEPORT WATER SWIVEL ASSEMBLY

Description	Lb/Kg	Part No.
3/4" (19mm) NPT, A Rod	10 (4.5)	003408
3/4" (19mm) NPT, AW Rod	10 (4.5)	004607
3/4" (19mm) NPT, AWML Rod1	10 (4.5)	005466
3/4" (19mm) NPT, EW Rod	10 (4.5)	004810
1-1/4" (32mm) NPT, BW Rod	17 (7.7)	004862
1-1/4" (32mm) NPT, NW Rod	32 (14.5)	004864
1-1/4" (32mm) NPT, NWML Rod1	31 (14.1)	005468

¹ MOBILOK™ Drill Rod Connection With Tapered Treads

COMPONENT PARTS: 3/4" (19MM)

Ref.	Description	Lb/Kg	
1	Adapter 1-1/8" (29mm) Hex Shank To AWML Rod Pin	2 (.9)	180078-01
1	Adapter 1-1/8" (29mm) Hex To Shank EW Rod Pin	1 (1.4)	004872
1	Adapter 1-1/8" (29mm) Hex To NWML Pin	4 (1.8)	180078-02
1	Adapter 1-5/8" (41mm) Hex To Shank A Rod Pin	8 (3.6)	180080-03
1	Adapter 1-5/8" (41mm) Hex To Shank AW Rod Pin	8 (3.6)	180080-02
1	Adapter 1-5/8" (41mm) Hex To Shank AWML Rod Pin	8 (3.6)	180080-01
1	Adapter 1-5/8" (41mm) Hex To Shank EW Rod Pin	8 (3.6)	004879
1	Adapter 1-5/8" (41mm) Hex To NWML Pin	10 (4.5)	180080-05
1	Adapter 2" (51mm) Hex To Shank AW Rod Pin	10 (4.5)	004906
1	Adapter 2" (51mm) Hex To Shank AWML Rod Pin Adapter 2" (51mm) Hex To Shank	8 (3.6)	180081-01
1	EW Rod PinAdapter 2" (51mm) Hex To NWML Pin		
2	AW Rod Shaft		
2	AWML Rod Shaft		
2	EW Rod Shaft		
3	Ring, Retaining (2 Req'd)	*	3222-0177
4	Bearing, Ball (2 Req'd)	*	3656-0109
5	O-Ring (2 Req'd)		
6	Housing		
7 8	Fitting, Grease		

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7-2

Key: * Designates weights less than 1 lb (.5kg)

COMPONENT PARTS: 1-1/4" (32MM)

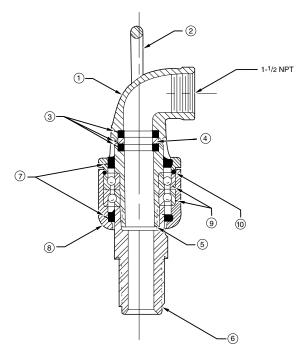
Ref.	Description	Lb/Kg	•
1	1-1/8" (29mm) Hex Shank To		
	BW Rod Pin	4 (1.8)	004876
1	1-1/8" (29mm) Hex Shank To		
	NW Rod Pin	4 (1.8)	004878
1	1-1/8" (29mm) Hex Shank To		
	NWML Rod Pin	4 (1.8)	180078-02
1	1-5/8" (41mm) Hex Shank To		
	BW Rod Pin	9 (4.1)	180080-04
1	1-5/8" (41mm) Hex Shank To		
	NW Rod Pin	10 (4.5)	004468
1	1-5/8" (41mm) Hex Shank To		
	NWML Rod Pin	10 (4.5)	180080-05
1	2" (51mm) Hex Shank To		
	BW Rod Pin	11 (5)	004908
1	2" (51mm) Hex Shank To		
	NW Rod Pin	12 (5.4)	004910
1	2" (51mm) Hex Shank To		
	NWML Rod Pin		
2	BW Rod Shaft	` '	
2	NW Rod Shaft	, ,	
2	NWML Rod Shaft	, ,	
3	Ring, Retaining		
4	Bearing, Ball		
5	O-Ring		
6	Housing		
7	Fitting, Grease		
8	Nipple, Pipe		5033-0032

1-1/2" (38 MM) TOP MOUNT WATER SWIVEL

Heavy-duty bail type swivel with a 1-1/2" (38mm) water/mud or air course for use on hollow spindle drill rigs in conjunction with a drill rod chuck when performing water/mud or air rotary operations. Available with either water/mud or air packing. Static hoisting capacity is 5,000 lbs (2,268kg) maximum. Rotating speed is 600 rpm (62.8 rad/s) maximum.

1-1/2" (38MM) TOP MOUNT WATER SWIVEL

Description	Lb/Kg	Part No.
AW Rod Pin	22 (10)	002582
AWML Rod Pin	16 (7.3)	64042-15
BW Rod Pin	22 (10)	002583
NW Rod Pin	22 (10)	64042-03
LH Thread, NW Rod Pin LH Thread	22 (10)	64042-01
NWML Rod Pin	16 (7.3)	64042-13



COMPONENT PARTS

	COMPONENT PARTS			
Ref.	Description	Lb/Kg	Part No.	
1	Gooseneck	6 (2.7)	005570	
2	Bail	2 (.9)	005572	
3	Packing Set: Water (Includes Wear B	ushing) *	180162-01	
4	Bushing, Wear	*	005576	
5	Spindle, Bearing	2 (.9)	005578	
6	AW Rod Adapter	4 (1.8)	005765	
6	AWML Rod Adapter	4 (1.8)	180359	
6	BW Rod Adapter	4 (1.8)	005766	
6	NW Rod Adapter	4 (1.8)	005767	
6	NW Rod LH Thread Adapter	4 (1.8)	180164	
6	NWML Rod Adapter	4 (1.8)	180355	
7	Seal, Housing (Set of 2)	*	005582	
8	Bearing Housing			
9	Bearing (Set of 2)	3 (1.4)	005586	
10	Bearing Retainer	*	005761	

Key: * Designates weights less than 1 lb (.5kg)

HOSES AND SWIVELS

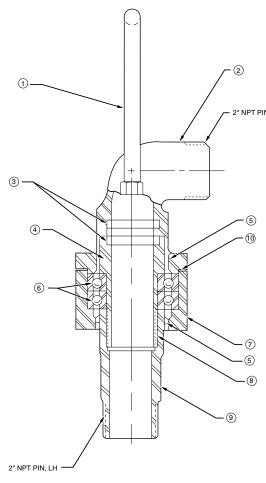
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2" (51 MM) TOP MOUNT & HIGH SPEED WATER SWIVEL

Heavy-duty bail type swivel with a 2" (51mm) water, mud or air course for use on hollow spindle drill rigs in conjunction with a drill rod chuck when performing water, mud or air rotary operations. Dynamic hoisting capacity is 10,000 lbs (4,536 kg) maximum, rotating speed is 300 rpm (31.4 rad/s) maximum.

SWIVEL ASSEMBLY: WATER/MUD

Description	Lb/Kg	Part No.	
LH Thread 2" (51mm) NPT	39 (177)	64042-23	



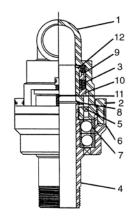
COMPONENT PARTS

Ref.	Description	Lb/Kg	Part No.
1	Bail	*	180514
2	Gooseneck	10 (4.5)	180513
3	Packing Set w/Wear Ring	*	180162-03
3	VITON Packing (For Air)	*	180162-05
4	Spindle	5 (2.3)	180212
5	Seal, Housing (2 Req'd)	*	180214
5	Seal, VITON (For Air) (2 Req'd)	*	180214-01
6	Bearing (2 Req'd)	1 (.5)	180216
7	Housing, Bearing	15 (6.8)	180215
8	Seal, Spindle Thread	*	180218
9	Connection, Lower 2" NPT LH	5 (2.3)	180213
10	Retaining Wire	*	180217

2-1/2" (64 MM) TOP MOUNT WATER SWIVEL

SPECIFICATIONS

Length	13" (330.2mm) without bail
Weight	50 lbs. (22.7kg)
Top Connection	2-1/2" (63.5mm) NPT Female
	2-1/2" (63.5mm) NPT Male
Water Course	2-1/4" (57.2mm) Max.
Working Pressure	1500 psi



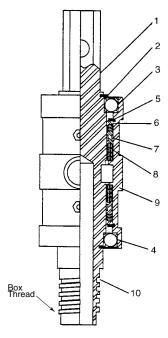
COMPONENT PARTS

Ref.	Description	Lb/Kg	Part No.
1	Gooseneck	26 (11.8)	180531-01
2	Stud w/Nuts	*	180531-02
3	Packing	1 (.5)	180531-03
4	Spindle Bearing (optional)	7 (3.2)	180531-04
5	Housing Seal	*	180531-05
6	Bearing Housing		
7	Bearings	7.5 (3.4)	180531-07
8	Thread Seal	*	180531-08
9	Lantern Ring	*	180531-09
10	Pkg. Adj. Gland		
11	Gland Bolt w/Nut		
12	Wash Pipe	5 (2.3)	180531-12
	Setscrew, Wash Pipe	*	180531-13

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Key: * Designates weights less than 1 lb (.5kg)

HEAVY DUTY GROUT SWIVEL



SPECIFICATIONS

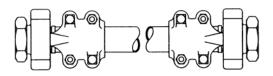
	Part No. 64042-28	Part No. 64042-27
Upper Connection	1-5/8" (41.3mm) Hex	2" (50.8mm) Hex
Hose Connection	2" (50.8mm)	2" (50.8mm)
Lower Connection	2-7/8" (73.0mm) API	2-7/8" (73.0mm) API
Water Course	2" (50.8mm)	2" (50.8mm)
Weight	75 lbs. (34kg)	75 lbs. (34kg)
Length	21" (533.4mm)	21" (533.4mm)

Auger Adapters	Part No.
3-1/4" (82.6mm) TRI-LOK	150736
3-1/4" (82.6mm) Two-Key	150735
4-1/4" (108mm) TRI-LOK	
4-1/4" (108mm) Two-Key HD	
6-1/4" (158.8mm) Two-Key HD	
6-5/8" (168.3mm) TRI-LOK	150740
8-1/4" (209.6mm) TRI-LOK	150741

COMPONENT PARTS

Ref.	Description	Lb/Kg	Part No.
1	Shaft 1-5/8" (41.3mm) Hex	32 (14.5)	180530-01
1a	Retainer, Bearing	*	180530-02
3	Bearing, Upper	3 (1.4)	180530-03
4	Bearing, Lower	3 (1.4)	180530-04
5	Retainer Packing	*	180530-05
6	Seat Ring Packing	*	180530-06
7	Lantern Ring	*	180530-07
8	Packing Set	*	180530-08
8a	Packing Set (low pressure)	*	180530-09
9	Packoff Box	28 (2.7)	180530-10
10	Drive Cap Adapter	8 (3.6)	180530-11

WATER PUMP PRESSURE HOSE



Quality construction insures a high degree of resistance to abrasion and weather. Tightly twisted braided cords provide ample strength for general use on drilling rigs. Furnished with HAMMER-LOK™ type box couplings on each end. Maximum rated working pressure is 750 psi (53 kg/cm2).

PRESSURE HOSE

Description	Lb/Kg	Part No.
1" (25mm) ID X 15'0" (4.6m)	11 (5.0)	64006-15
1" (25mm) ID X 20'0" (6.1m)	20 (9.0)	64006-20
1" (25mm) ID X 25'0" (7.6m)	25 (11.3)	64006-25
1" (25mm) ID X 30'0" (9.1m)	30 (13.6)	64006-30
1-1/4" (32mm) ID X 15'0" (4.6m)	20 (9.0)	64007-15
1-1/4" (32mm) ID X 20'0" (6.1m)	26 (11.8)	64007-20
1-1/4" (32mm) ID X 25'0" (7.6m)	32 (14.5)	64007-25
1-1/4" (32mm) ID X 30'0" (9.1m)	37 (16.8)	64007-30
1-1/2" (38mm) ID X 25'0" (7.6m)	39 (17.7)	64008-25
2" (51mm) ID X 20'0" (6.1m)	38 (17.2)	64009-20
2" (51mm) ID X 25'0" (7.6m)	47 (21.3)	64009-25
2" (51mm) ID X 30'0" (9.1m)	56 (25.4)	64009-30

WATER PUMP PRESSURE HOSE ASSEMBLIES

Quality construction ensures a high degree of resistance to abrasion and weather. Tightly twisted braided cords provide ample strength for general use on drilling rigs. Furnished with KAMLOKTM type couplings on each end. Maximum rated working pressure is 250 psi (17.2 Bar).

Description	Lb/Kg	Part No
1" (25mm) ID x 6' (1.8m)	†	64176-06
1" (25mm) ID x 8' (2.4m)		
1" (25mm) ID x 10' (3.0m)	†	64176-10
1" (25mm) ID x 15' (4.6m)	†	64176-15
1" (25mm) ID x 20' (6.1m)	†	64176-20
1" (25mm) ID x 25' (7.6m)		
1" (25mm) ID x 30' (9.1m)		
1-1/4" (32mm) ID x 6' (1.8m)	†	64177-06
1-1/4" (32mm) ID x 8' (2.4m)		
1-1/4" (32mm) ID x 10' (3.0m)	†	64177-10
1-1/4" (32mm) ID x 15' (4.6m)	†	64177-15
1-1/4" (32mm) ID x 20' (6.1m)	†	64177-20
1-1/4" (32mm) ID x 25' (7.6m)	†	64177-25
1-1/4" (32mm) ID x 30' (9.1m)	†	64177-30
1-1/2" (38mm) ID x 6' (1.8m)	†	64178-06
1-1/2" (38mm) ID x 8' (2.4m)	†	64178-08
1-1/2" (38mm) ID x 10' (3.0m)	†	64178-10
1-1/2" (38mm) ID x 15' (4.6m)	†	64178-15

Continued on next page

Key: * Designates weights less than 1 lb (.5kg)

†Consult Factory

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COMPONENT PARTS

Description	11.//	Don't Ma
Description		Part No.
Hose, Pressure 1" (25mm) ID x 6' (1.8m)	†	3001-0600
Hose, Pressure 1" (25mm) ID x 8' (2.4m)	†	3001-0800
Hose, Pressure 1" (25mm) ID x 10' (3.0m)	†	3001-1000
Hose, Pressure 1" (25mm) ID x 15' (4.6m)	†	3001-1500
Hose, Pressure 1" (25mm) ID x 20' (6.1m)		
Hose, Pressure 1" (25mm) ID x 25' (7.6m)	†	3001-2500
Hose, Pressure 1" (25mm) ID x 30' (9.1m)	†	3001-3000
Hose, Pressure 1-1/4" (32mm) ID x 6' (1.8m)		
Hose, Pressure 1-1/4" (32mm) ID x 8' (2.4m)	†	3002-0800
Hose, Pressure 1-1/4" (32mm) ID x 10' (3.0m)		
Hose, Pressure 1-1/4" (32mm) ID x 15' (4.6m)		
Hose, Pressure 1-1/4" (32mm) ID x 20' (6.1 m)		
Hose, Pressure 1-1/4" (32mm) ID x 25' (7.6m)		
Hose, Pressure 1-1/4" (32mm) ID x 30' (9.1m)	†	3002-3000
Hose, Pressure 1-1/2" (38mm) ID x 6' (1.8m)	†	3003-0600
Hose, Pressure 1-1/2" (38mm) ID x 8' (2.4m)		
Hose, Pressure 1-1/2" (38mm) ID x 10' (3.0m)		
Hose, Pressure 1-1/2" (38mm) ID x 15' (4.6m)		
Hose, Pressure 1-1/2" (38mm) ID x 20' (6.1m)		
Hose, Pressure 1-1/2" (38mm) ID x 25' (7.6m)		
Hose, Pressure 1-1/2" (38mm) ID x 30' (9.1m)	†	3003-3000
Hose, Pressure 2' (51mm) ID x 6' (1.8m)	†	3004-0600
Hose, Pressure 2' (51mm) ID x 8' (2.4m)		
Hose, Pressure 2' (51mm) ID x 10' (3.0m)		
Hose, Pressure 2" (51mm) ID x 15' (4.6m)		
Hose, Pressure 2" (51mm) ID x 20' (6.1m)		
Hose, Pressure 2" (51mm) ID x 25' (7.6m)		
Hose, Pressure 2" (51mm) ID x 30' (9.1m)		
Adapter, KAMLOK 1" (25mm) female	†	3516-0016
Adapter, KAMLOK 1-1/4" (32mm) female		
Adapter, KAMLOK 1-1/2" (38mm) female		
Adapter, KAMLOK 2" (51mm) female	†	3516-0032
Coupler, KAMLOK 1" (25mm)	†	3515-0016
Coupler, KAMLOK 1-1/4" (32mm)		
Coupler, KAMLOK 1-1/2" (38mm)	†	3515-0024
Coupler, KAMLOK 2" (51mm)	†	3515-0032
Clamp, Hose (set of 2) - For 1" (25mm) hose	†	3012-1625
Clamp, Hose (set of 2) - For 1-1/4" (32mm) hose		
Clamp, Hose (set of 2) - For 1-1/2" (38mm) hose		
Clamp, Hose (set of 2) - For 2" (51mm) hose	†	3012-3240
Spud, Male (set of 2) - For 1" (25mm) hose	†	3869-0016
Spud, Male (set of 2) - For 1-1/4" (32mm) hose		
Spud, Male (set of 2) - For 1-1/2" (38mm) hose	†	3869-0024
Spud, Male (set of 2) - For 2" (51mm) hose	†	3869-0032

WATER PUMP SUCTION HOSE

Suction hose will withstand any general field usage common to rotary drill operation and give dependable service under severe working conditions. Hose has a suction rating of 100% full vacuum.



SUCTION HOSE

Description	Lb/Kg	Part No.
1-1/2" (38mm) ID X 15'0" (4.6m)	20 (9.1)	64000-15
1-1/2" (38mm) ID X, 20'0" (6.1m)	27 (12.2)	64000-20
1-1/2" (38mm) ID X, 25'0" (7.6m)	33 (15)	64000-25
2" (51mm) ID X 15'0" (4.6m)	28 (12.7)	64001-15
2" (51mm) ID X, 20'0" (6.1m)	37 (16.8)	64001-20
2" (51mm) ID X 25'0" (7.6m)	46 (20.9)	64001-25
2-1/2" (64mm) ID X 15'0" (4.6m)	36 (16.3)	64002-15
2-1/2" (64mm) ID X 20'0" (6.1m)	48 (21.8)	64002-20
2-1/2" (64mm) ID X 25'0" (7.6m)	60 (27.2)	64002-25
3" (76mm) ID X 15'0" (4.6m)	48 (21.8)	64003-15
3" (76mm) ID X 20'0" (6.1m)	64 (29)	64003-20
3" (76mm) ID X 25'0" (7.6m)	80 (36.3)	64003-25
4" (102mm) ID X 20'0" (6.1m)	100 (45.3)	64004-20
4" (102mm) ID X 25'0" (7.6m)	120 (54.3)	64004-25



COMBINATION FOOT VALVE & STRAINER

	_,	., —
Description	Lb/Kg	Part No.
1-1/4" (32mm)		3013-0020
1-1/2" (38mm)	4 (1.8)	3013-0024
2" (51mm)	6 (2.7)	3013-0032
2-1/2" (64mm)	10 (4.5)	3013-0040
3" (76mm)	16 (7.3)	3013-0048
4" (102mm)	21 (9.5)	3013-0064

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Key: * Designates weights less than 1 lb (.5kg)

CONCRETE/ASPHALT DIAMOND CORE BIT

Thinline "throwaway" bits are effective for recovering pavement cores or for passing through structural concrete to allow continued use of hollow stem augers. They are recommended where there is a possibility of total bit destruction. Because thinline "throwaway" bits are nonreturnable, they should be used until no longer efficient or productive. All sizes require an expansion adapter and require a sub for drill rod connection. Core length of all bits is 12" (305mm). Sizes are identified by nominal O.D.



THINLINE THROWAWAY CORE BIT

Description	Lb/Kg	Part No.
2" (51mm)	3 (1.4)	110135
3" (76mm)	4 (1.8)	110139
3-1/2" (89mm)	4 (1.8)	110141
4" (102mm)	5 (2.3)	110142
4-1/4" (108mm)	5 (2.3)	110143
4-1/2" (114mm)	6 (2.7)	110144
5" (127mm)	6 (2.7)	110145
5-1/2" (140mm)	7 (3.2)	110147
6" (152mm)	7 (3.2)	110148
8" (203mm)	11 (5.0)	110384
10" (254mm)	15 (6.8)	110387

EXPANSION ADAPTER

Description	Lb/Kg	Part No
2" (51mm)	2 (.9)	110156
3" (76mm)	2 (.9)	110160
3-1/2" (89mm)	3 (1.4)	110162
4" (102mm)	5 (2.3)	110163
4-1/4" (108mm)	5 (2.3)	110164
4-1/2" (114mm)	6 (2.7)	110165
5" (127mm)	7 (3.2)	110166
5-1/2" (140mm)	8 (3.6)	110168
6" (152mm)	9 (4.1)	110169
8" (203mm)	13 (5.9)	110395
10" (254mm)	17 (7.7)	110398

SUBS

Description	Lb/Kg	Part No.
A Box to 1-1/4" (32mm)-7 UNC Pin	2 (.9)	003242
AW Box to 1-1/4" (32mm)-7 UNC Pin	2 (.9)	006770
AWML Box to1-1/4"(32mm)-7 UNC Pin	2 (.9)	180011-14
EW Box to 1-1/4" (32mm)-7 UNC Pin	2 (.9)	006816
NW Box to 1-1/4" (32mm)-7 UNC Pin	4 (1.8)	180007-08