



DRIFTMASTER™ SERIES RODS AND BITS

Percussive Tooling Products

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DRIFTMASTER™ SERIES RODS AND BITS

Boart Longyear's DriftMaster™ series of rods and bits provides maximum productivity for drifting, bolting, and tunneling applications. Under the demanding loads of top hammer drilling, the unique thread profile delivers reduced stresses and increased wear resistance compared to standard rope threads. Lower stresses and improved wear properties translate to longer product life, more equipment operating time, and lower overall costs.

Applications and options:

- DM28 with a 28mm hex rod cross section and a 33-51mm bit diameter range.
- DM35 with a 35mm hex and 39mm round cross section, and a 43-64mm bit diameter range.
- Dome and pilot reamers include RazorBack™ – patented¹ high-productivity back-reaming features.



1. INCREASED STRENGTH

DriftMaster offers increased strength through stress reduction in two key ways:

1. The tapered profile provides an increased material cross section at the base of the threads, and
2. The asymmetric thread geometry acts to minimize stress concentrations. The lower tooling stress combined with deep case hardening allows for a significant increase in cyclic load handling capability. More load cycles means more drilling time and increased productivity.

2. WEAR RESISTANT

Optimizing the load distribution and contact area through the tapered profile, the DriftMaster thread geometry is designed to maximize resistance to wear under the harshest drilling conditions. Combined with the wear resistance associated with carburizing heat treatment, the DriftMaster thread geometry is built to last.

3. EASIER MAKE AND BREAK

To further improve productivity, the tapered thread profile offers superior rod-bit make-up and breakout characteristics. This key thread feature results in more drilling time.

DM28 SYSTEM RODS

TUNNELING/DRIFTING MM RODS



R32

Hex 28mm

DM28

Part #	Length		Weight	
	mm	ft-in	lb	kg
220589	2100	6' 10 5/8"	30.3	13.7
220593	2400	7' 10 1/2"	34.6	15.7
220603	2480	8' 1 5/8"	35.7	16.2
220590	2600	8' 6 3/8"	37.4	17.0
220597	2800	9' 2 1/4"	40.4	18.3
220577	3090	10' 1 5/8"	44.5	20.2

DM28 SYSTEM BITS

BUTTON BITS



Part #	Diameter		Carbide Profile	Face Profile	Button No. x Size (mm)		Flushing Hole
	mm	in			Gauge	Face	
111103	34	1 11/32"	Ballistic	Dome	5 x 8	2 x 7	1F 3G
111105	35	1 3/8"	Hemispherical	Dome	5 x 9	2 x 7	1F 1G
111111	37	1 15/32"	Hemispherical	Flat	5 x 8	2 x 7	1F 2G
111109	38	1 1/2"	Hemispherical	Flat	5 x 9	2 x 7	1F 2G
111104	41	1 5/8"	Hemispherical	Flat	5 x 10	2 x 8	1F 2G

DM35 SYSTEM RODS

TUNNELING/DRIFTING MM RODS



HM38

Hex 35 mm

DM35

	Part Number	Length		Weight	
		mm	ft-in	lb	kg
	220552	2700	8' 10 5/16"	46.5	21.1
	220545	3090	10' 1 1/2"	53.4	24.2
	220549	3700	12' 1 1/2"	63.9	29.0
	220547	4300	14' 1 5/16"	74.5	33.8
	220546	4915	16' 1 1/2"	85.3	38.7
	220557	5525	18' 1 1/2"	95.7	43.4



HM38

Round 39 mm

DM35

	Part Number	Length		Weight	
		mm	ft-in	lb	kg
	220548	4915	16' 1 1/2"	86.0	39.0
	220599	5525	18' 1 1/2"	96.8	43.9
	220600	6400	21'	112.0	50.8

DM35 SYSTEM BITS

BUTTON BITS



Part #	Diameter		Carbide Profile	Face Profile	Button No. x Size (mm)		Flushing Hole
	mm	in			Gauge	Face	
111047	43	1 11/16"	Hemispherical	Flat	5 x 10	2 x 9	1F 2G
111100	45	1 3/4"	Hemispherical	Flat	5 x 11	2 x 9	1F 2G
111072	48	1 7/8"	Hemispherical	Flat	5 x 13	2 x 9	1F 2G
111073	48	1 7/8"	Parabolic	Flat	5 x 12	2 x 9	1F 2G
111057	51	2"	Hemispherical	Flat	5 x 12	2 x 11	2F 2G



Part #	Diameter		Carbide Profile	Face Profile	Button No. x Size (mm)		Flushing Hole
	mm	in			Gauge	Face	
111090	44	1 23/32"	Hemispherical	Flat	6 x 10	3 x 8	3F 2G
111063	44	1 23/32"	Parabolic	Flat	6 x 10	3 x 8	3F 0G
111048	45	1 3/4"	Hemispherical	Flat	6 x 10	3 x 8	3F 1G
111052	45	1 3/4"	Parabolic	Flat	6 x 10	3 x 8	3F 1G
111076	48	1 7/8"	Hemispherical	Flat	6 x 10	3 x 9	3F 1G
111075	48	1 7/8"	Parabolic	Flat	6 x 10	3 x 8	3F 1G
111089	48	1 7/8"	Parabolic	Flat	6 x 11	3 x 10	3F 1G
111087	51	2"	Hemispherical	Flat	6 x 11	2 x 11	2F 2G
111080	51	2"	Parabolic	Flat	6 x 10	3 x 9	3F 1G
111098	51	2"	Ballistic	Flat	6 x 9	3 x 9	3F 1G
111099	57	2 1/4"	Ballistic	Flat	6 x 10	3 x 10	3F 1G

DM35 SYSTEM BITS

STRAIGHTRAC BUTTON BIT



Part #	Diameter		Carbide Profile	Face Profile	Button No. x Size (mm)		Flushing Hole
	mm	in			Gauge	Face	
140245	44	1 23/32"	Parabolic	Flat	6 x 10	3 x 8	3F 1G
140244	45	1 3/4"	Parabolic	Flat	6 x 10	3 x 8	3F 1G

PILOT REAMER BIT (RAZORBACK™)



Part #	Diameter		Pilot Diameter	Carbide Profile	Button No. x Size (mm)		Flushing Hole	Weight		
	mm	in			mm	in		Gauge	Face	lb
990084	102	4"	43	1 11/16"	Hemispherical	8 x 12, 4 x 10	6 x 12, 2 x 9	3F 0G	7.5	3.4
990085	102	4"	43	1 11/16"	Hemispherical	8 x 15, 4 x 10	6 x 13, 2 x 9	3F 0G	7.9	3.6
990093	115	4 1/2"	43	1 11/16"	Hemispherical	8 x 12, 2 x 10	6 x 12, 1 x 10	3F 0G	9.5	4.3

DM35 SYSTEM BITS

DOME REAMER BITS (RAZORBACK™)



Part #	Diameter		Pilot Diameter	Carbide Profile	Button No. x Size (mm)		Flushing Hole	Weight	
	mm	in			Gauge	Face		lb	kg
990088	102	4"	N/A	Hemispherical	9 x 12	6 x 12, 5 x 12	3F 1RF	6.9	3.2





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