integral drill steel for top-hammer drilling operations

These integral drill steels are suitable for underground mining and small-diameter drilling operations, and are designed for use with small-scale power rock drills, such as pneumatic leg-mounted rock drills and handheld rock drills.

Main Features of Integral Drill Steel

1. Integral drill steels help reduce the loss of impact energy, improve drilling speed and efficiency, and are typically used for drilling holes with diameters from 26 mm to 41 mm.
2. The integral drill steel has a fixed length structure, with a shank at one end and a bit at the other. It can drill to a depth equal to its effective length. The drill bit can be equipped with a single chisel-shaped tungsten carbide insert or three similar inserts.

3. For deep hole drilling, integral drill steels are designed to be used in series, with each subsequent rod being longer than the previous one. In order to prevent the bit from jamming, the diameter of the bit should be slightly reduced as the rod length increases.
4. Integral drill steels are manufactured from high-quality steel, such as 55SiMnMo and 95CrMo, with integrated processing and heat treatment, providing excellent fatigue resistance and durability during high-impact drilling operations.

Technical Specifications

- **Shank size:** hex 22 x 108 mm
- **Head diameter:** 26 mm to 41 mm
- **Rod length:** 400 mm to 7200 mm

Applications

- Dimensional stone quarrying industry
- Underground mining
- Tunneling

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22mm (7/8") Integral	Series	L (mm)	L (foot, inch)	D (mm)	D (inch)	Order number	Weight kg
Hex 22 x 108mm Shank 	11	800	2', 7 1/2"	34	1 11/32	B216-2208-8134	2.8
		1600	5', 3"	33	1 5/16	B216-2216-8135	5.2
		2400	7', 10 1/2"	32	1 1/4	B216-2224-8132	7.7
		3200	10', 6"	31	1 7/32	B216-2232-8131	10.1
		4000	13', 1 1/2"	30	1 3/16	B216-2240-8130	12.5
		4800	15', 9"	29	1 5/32	B216-2248-8129	14.9

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22mm (7/8") Integral	Series	L (mm)	L (foot, inch)	D (mm)	D (inch)	Order number	Weight kg
		5600	18', 4 1/2"	28	1 1/8	B216-2256-8128	17.3
		6400	21'	27	1 1/16	B216-2264-8127	19.7
		7200	23', 7 1/2"	26	1 1/32	B216-2272-8126	22.2
	12	400	1', 3 3/4"	41	1 9/16	B216-2204-8141	1.6
		800	2', 7 1/2"	40	1 9/16	B216-2208-8140	2.9

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22mm (7/8") Integral	Series	L (mm)	L (foot, inch)	D (mm)	D (inch)	Order number	Weight kg
		1600	5', 3"	39	1 17/32	B216-2216-8139	5.3
		2400	7', 10 1/2"	38	1 1/2	B216-2224-8138	7.7
		3200	10', 6"	37	1 15/32	B216-2232-8137	10.1
		4000	13', 1 1/2"	36	1 13/32	B216-2240-8136	12.5
		4800	15', 9"	35	1 3/8	B216-2248-8135	14.9

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22mm (7/8") Integral	Series	L (mm)	L (foot, inch)	D (mm)	D (inch)	Order number	Weight kg
		5600	18', 4 1/2"	34	1 11/32	B216-2256-8134	17.4
		6400	21'	33	1 5/16	B216-2264-8133	19.8
	13	800	2', 7 1/2"	33	1 5/16	B216-2208-8133	2.8
		1200	3', 11 1/4"	32	1 1/4	B216-2212-8132	4.0
		1600	5', 3"	31	1 7/32	B216-2216-8131	5.2

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22mm (7/8") Integral	Series	L (mm)	L (foot, inch)	D (mm)	D (inch)	Order number	Weight kg
		2000	6', 6 3/4"	30	1 3/16	B216-2220-8130	6.4
	16	1200	3', 11 1/4"	34	1 11/32	B216-2212-8134	4.1
		1800	5', 10 7/8"	33	1 5/16	B216-2218-8133	5.8
		2400	7', 10 1/2"	32	1 1/4	B216-2224-8132	7.7
	17	1200	3', 11 1/4"	40	1 9/16	B216-2212-8140	4.1

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22mm (7/8") Integral	Series	L (mm)	L (foot, inch)	D (mm)	D (inch)	Order number	Weight kg
		1600	5', 3"	39	1 17/32	B216-2216-8139	5.3
		2000	6', 6 3/4"	38	1 1/2	B216-2220-8138	6.5