



Small Hole Drilling

Tophammer drilling tools



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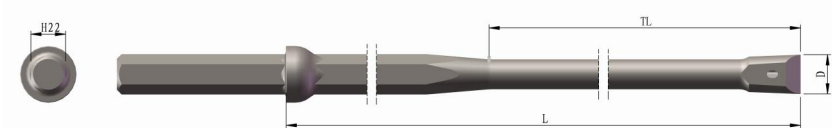


Small hole Drilling

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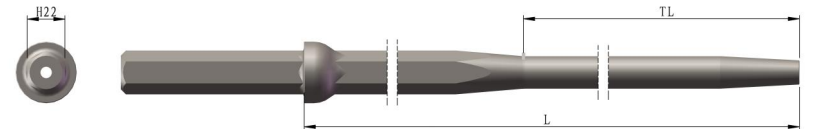
Plug hole steels

Plug hole steel



Type	Effective Length			Hex.		Weight	Diameter		Part no.
	(mm)	(ft)	(in)	(mm)	(in)		(mm)	(in)	
H22×108mm	360	1	2 3/16	22	7/8	1.5	25	1	01H22036025
	760	2	5 15/16	22	7/8	2.8	25	1	01H22076025

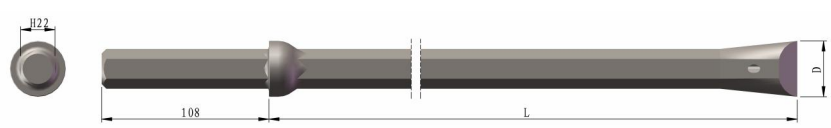
Plug hole steel



Type	Effective Length			Hex.		Weight	Degree	Part no.
	(mm)	(ft)	(in)	(mm)	(in)			
H22×108mm	360	1	2 3/16	22	7/8	1.5	6°	01H22036006
	760	2	5 15/16	22	7/8	2.7	6°	01H22076006

Integral drill steels

Integral drill steel

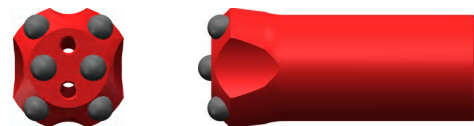


Type	Series	Effective Length			Hex.		Diameter		Weight	Part no.
		(mm)	(ft)	(in)	(mm)	(in)	(mm)	(in)		
H22×108mm	11	800	2	7 1/2	22	7/8	34	1 11/32	3.0	00H22080034
		1600	5	3	22	7/8	33	1 5/16	5.5	00H22160033
		3200	10	6	22	7/8	31	1 7/32	10.3	00H22320031
		4000	13	1 1/2	22	7/8	30	1 3/16	12.8	00H22400030
	12	800	2	7 1/2	22	7/8	40	1 9/16	3.0	00H22080040
		1600	5	3	22	7/8	39	1 17/32	5.5	00H22200039
		3200	10	6	22	7/8	37	2 7/16	10.3	00H22320037
		4000	13	1 1/2	22	7/8	36	1 7/16	12.8	00H22400036
	13	400	1	3 3/4	22	7/8	34	1 11/32	1.8	00H22040034
		800	2	7 1/2	22	7/8	33	1 5/16	3.0	00H22080033
		1220	4	-	22	7/8	32	1 1/4	4.2	00H22122032
	16	600	1	11 5/8	22	7/8	35	1 3/8	2.4	00H22060035
		1220	4	-	22	7/8	34	1 11/32	4.2	00H22122034
		2400	7	10 1/2	22	7/8	32	1 1/4	7.9	00H22240032
	17	600	1	11 5/8	22	7/8	41	1 5/8	2.4	00H22060041
		1220	4	-	22	7/8	40	1 9/16	4.2	00H22122040
		1600	5	3	22	7/8	28	1 1/8	5.5	00H22160028
		2000	6	6 3/4	22	7/8	33	1 5/16	6.7	00H22200033
		2400	7	10 1/2	22	7/8	38	1 1/2	7.9	00H22240038

Tapered drilling tools

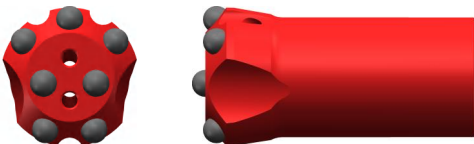
6° taper

Tapered bit - Hex22



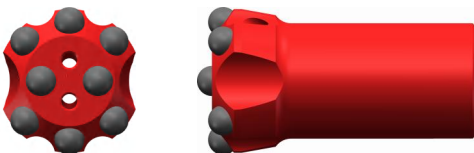
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-06
32	1 1/4	2×7	4×7	2	0	0.25	30322206-06
33	1 5/16	2×7	4×7	2	0	0.27	30332206-06

Tapered bit - Hex22



32	1 1/4	2×7	5×7	2	2	0.27	30322207-06
34	1 11/32	2×7	5×7	2	2	0.31	30342207-06
36	1 7/16	2×7	5×7	2	2	0.35	30362207-06
38	1 1/2	2×7	5×8	2	2	0.41	30382207-06
40	1 37/64	2×8	5×8	2	2	0.45	30402207-06
42	1 21/32	2×8	5×9	2	2	0.51	30422207-06

Tapered bit - Hex22

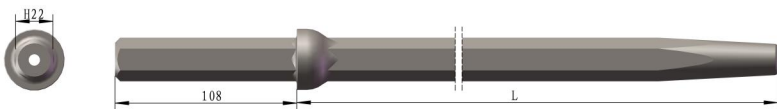


33	1 5/16	2×7	6×7	2	2	0.30	30332208-06
35	1 3/8	2×7	6×7	2	2	0.34	30352208-06
38	1 1/2	2×7	6×8	2	2	0.38	30382208-06

Tapered drilling tools

6° taper

Tapered rod

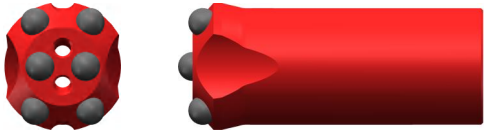


Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	800	2	7 1/2	22	7/8	2.9	1022080006
	1220	4	-	22	7/8	4.1	1022122006
	1525	5	-	22	7/8	5.1	1022152506
	1830	6	-	22	7/8	6.0	1022183006
	2440	8	-	22	7/8	7.9	1022244006
	3200	10	6	22	7/8	10.2	1022320006
	4000	13	1 1/2	22	7/8	12.6	1022400006

Tapered drilling tools

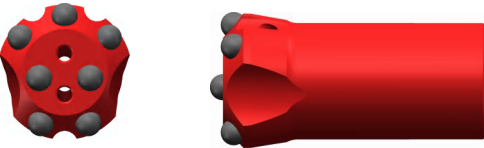
7° taper

Tapered bit - Hex22



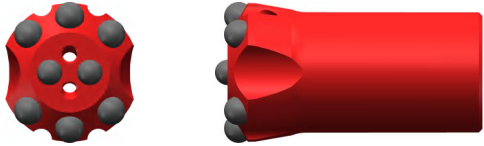
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-07
32	1 1/4	2×7	4×7	2	0	0.24	30322206-07
33	1 5/16	2×7	4×7	2	0	0.26	30332206-07

Tapered bit - Hex22



32	1 1/4	2×7	5×7	2	2	0.27	30322207-07
34	1 11/32	2×7	5×7	2	2	0.31	30342207-07
36	1 7/16	2×7	5×7	2	2	0.35	30362207-07
38	1 1/2	2×7	5×8	2	2	0.41	30382207-07
40	1 37/64	2×8	5×8	2	2	0.45	30402207-07
42	1 21/32	2×8	5×9	2	2	0.51	30422207-07

Tapered bit - Hex22



33	1 5/16	2×7	6×7	2	2	0.30	30332208-07
35	1 3/8	2×7	6×7	2	2	0.34	30352208-07
38	1 1/2	2×7	6×8	2	2	0.38	30382208-07

Tapered bit - Hex25

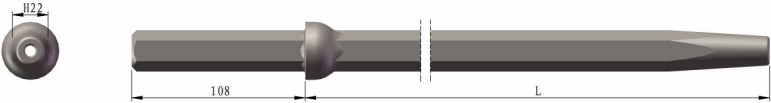


Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
41	1 5/8	2×8	5×9	2	2	0.27	30412507-07
43	1 11/16	2×8	5×9	2	2	0.29	30432507-07
45	1 3/4	2×8	5×9	2	2	0.31	30452507-07

Tapered drilling tools

7° taper

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	800	2	7 1/2	22	7/8	2.9	1022080007
	1220	4	-	22	7/8	4.1	1022122007
	1525	5	-	22	7/8	5.1	1022152507
	1830	6	-	22	7/8	6.0	1022183007
	2440	8	-	22	7/8	7.9	1022244007
	3200	10	6	22	7/8	10.2	1022320007
	4000	13	1 1/2	22	7/8	12.6	1022400007

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H25×108mm	800	2	7 1/2	25	1	3.7	1025080007
	1220	4	-	25	1	5.4	1025122007
	1600	5	3	25	1	6.6	1025160007
	1830	6	-	25	1	7.8	1025183007
	2440	8	-	25	1	10.2	1025244007
	3200	10	6	25	1	13.3	1025320007

Tapered rod

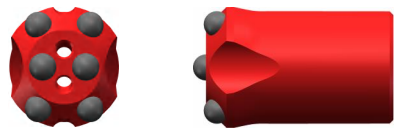


H25×159mm	800	2	7 1/2	25	1	3.9	1025080007-2
	1220	4	-	25	1	5.6	1025122007-2
	1600	5	3	25	1	6.8	1025160007-2
	1830	6	-	25	1	8.0	1025183007-2
	2440	8	-	25	1	10.4	1025244007-2
	3200	10	6	25	1	13.5	1025320007-2

Tapered drilling tools

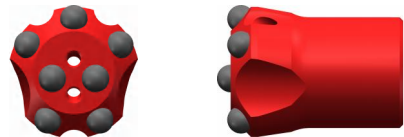
11° taper

Tapered bit - Hex22



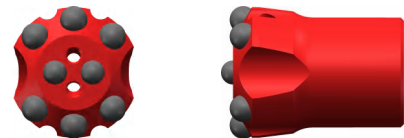
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-11
32	1 1/4	2×7	4×7	2	0	0.24	30322206-11
33	1 5/16	2×7	4×7	2	0	0.26	30332206-11

Tapered bit - Hex22



32	1 1/4	2×7	5×7	2	2	0.27	30322207-11
34	1 11/32	2×7	5×7	2	2	0.31	30342207-11
36	1 7/16	2×7	5×7	2	2	0.35	30362207-11
38	1 1/2	2×7	5×8	2	2	0.41	30382207-11
40	1 37/64	2×8	5×8	2	2	0.45	30402207-11
42	1 21/32	2×8	5×9	2	2	0.51	30422207-11

Tapered bit - Hex22

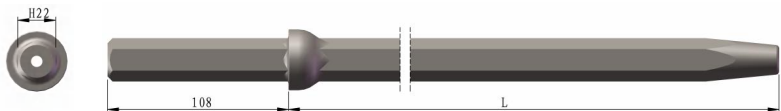


33	1 5/16	2×7	6×7	2	2	0.30	30332208-11
35	1 3/8	2×7	6×7	2	2	0.34	30352208-11
38	1 1/2	2×7	6×8	2	2	0.38	30382208-11

Tapered drilling tools

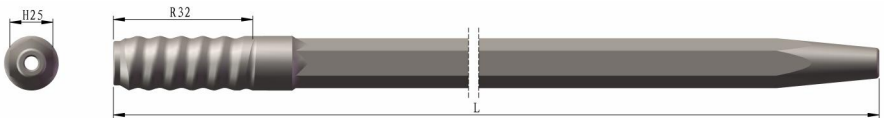
11° taper

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	610	2	-	22	7/8	2.3	1022061011
	800	2	7 1/2	22	7/8	2.9	1022080011
	1220	4	-	22	7/8	4.1	1022122011
	1525	5	-	22	7/8	5.1	1022152511
	1600	5	3	22	7/8	5.3	1022160011
	1830	6	-	22	7/8	6.0	1022183011
	2000	6	6 3/4	22	7/8	6.5	1022200011
	2440	8	-	22	7/8	7.9	1022244011
	3050	10	-	22	7/8	9.7	1022305011

Shank rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R32-H25-11°	2200	7	2 5/8	25	1	8.7	11252200R3211

Tapered drilling tools

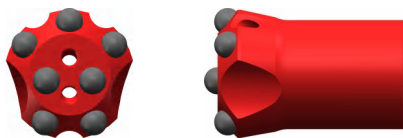
12° taper

Tapered bit - Hex22



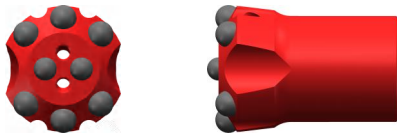
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-12
32	1 1/4	2×7	4×7	2	0	0.24	30322206-12
33	1 5/16	2×7	4×7	2	0	0.26	30332206-12

Tapered bit - Hex22



32	1 1/4	2×7	5×7	2	2	0.27	30322207-12
34	1 11/32	2×7	5×7	2	2	0.31	30342207-12
36	1 7/16	2×7	5×7	2	2	0.35	30362207-12
38	1 1/2	2×7	5×8	2	2	0.41	30382207-12
40	1 37/64	2×8	5×8	2	2	0.45	30402207-12
42	1 21/32	2×8	5×9	2	2	0.51	30422207-12

Tapered bit - Hex22



33	1 5/16	2×7	6×7	2	2	0.30	30332208-12
35	1 3/8	2×7	6×7	2	2	0.34	30352208-12
38	1 1/2	2×7	6×8	2	2	0.38	30382208-12

Tapered drilling tools

12° taper

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	610	2	-	22	7/8	2.3	1022061012
	800	2	7 1/2	22	7/8	2.9	1022080012
	1220	4	-	22	7/8	4.1	1022122012
	1525	5	-	22	7/8	5.1	1022152512
	1600	5	3	22	7/8	5.3	1022160012
	1830	6	-	22	7/8	6.0	1022183012
	2000	6	6 3/4	22	7/8	6.5	1022200012
	2440	8	-	22	7/8	7.9	1022244012
	3050	10	-	22	7/8	9.7	1022305012
	3660	12	-	22	7/8	11.6	1022366012
	4000	13	1 1/2	22	7/8	12.6	1022400012