



CHANGSHA WONTECH ENGINEERING MACHINERY CO.,LTD

# ROCK DRILLING TOP HAMMER TOOLS



Tel: **0086-731-85853118**

ADD: NO#138,East Jinzhou Avenue,Jinzhou New District,Ningxiang County,Changsha City,Hunan Province.

Fax: 0086-731-81800886 / E-mail: info@wontechgroup.com / Web: <https://wontech.en.alibaba.com>  
<http://www.dthhammer-bits.com>





# Contents

<b>Small hole drilling tools</b> .....	05-06
Integral drill equipment .....	07
Stone hole tools .....	08
Tapered drill equipment .....	09-11
<b>Light-duty rock drilling tools</b> .....	12-14
Light-duty rock drilling tools .....	15-18
<b>Underground long-hole drilling tools</b> .....	19-20
R32 (1 1/4") equipment for pneumatic rock drills .....	21-22
R32 (1 1/4") equipment for long-hole drilling .....	23-24
R38 (1 1/2") equipment for long-hole drilling .....	25-26
T38 (1 1/2") equipment for long-hole drilling .....	27-28
T45 (1 3/4") equipment for long-hole drilling .....	29-30
T51 (2") equipment for long-hole drilling .....	31-32
<b>Drifting and tunneling tools</b> .....	33-34
R28 (1 1/8") equipment for drifting and tunneling .....	35-36
R32 (1 1/4") equipment for drifting and tunneling .....	37-38
R35 (1 3/8") equipment for drifting and tunneling .....	39-40
<b>Bench drilling tools</b> .....	41-42
R32 (1 1/4") equipment for surface drill rigs .....	43-44
R38 (1 1/2") equipment for surface drill rigs .....	45
T38 (1 1/2") equipment for surface drill rigs .....	46-48
T45 (1 3/4") equipment for surface drill rigs .....	49-50
T51 (2") equipment for surface drill rigs .....	51-52

<b>Shank adapters</b> .....	53-54
Pneumatic rock drill .....	55
Atlas Copco .....	55-56
Sandvik Tamrock .....	57
Furukawa .....	58
<b>Pneumatic picks tools</b> .....	59-60
Pneumatic picks .....	61
Railway tamping shovel .....	61
<b>Point Attack Tools</b> .....	62
Rotary drilling rig tools .....	63
Expressway Pavement tools .....	64
Coal cutting machine tools .....	64



## Company Profile

Changsha Wontech Engineering Machinery Co. Ltd, located in Railway Station Road, Ningxiang National Economic Development Zone, Changsha, Hunan, is a high-tech private enterprise, owning one stop complete service system of designing, manufacturing, trading and after-sale service. We specialize in manufacturing DTH hammers and bits, mainly



including high air pressure DTH hammers, high air pressure DTH bits, top hammer bits ,shank adapters, and couplings. ODEX system bits, symmetrix system bits.

Changsha Wontech Engineering Machinery Co. Ltd has an excellent research and development team, dedicatedly focusing on researching, development, designing drilling tools, having accumulated rich experience of manufacturing lock tools . We are gradually strengthening our brand advantage featured by preeminent talents and solid technology.

Changsha Wontech Engineering Machinery Co. Ltd embraces the enterprise spirit of "Solidness, Carefulness, Honesty, Safeness" , sticks to the concept of development of "Quality Wins Customer, Creditability Creates Benefit" . and are dedicated to providing DTH drilling solutions to our customers with first class products, outstanding creditability and meritorious service.





### Small hole drilling tools

Small hole drilling tools, mainly equipped with hand-held Air-leg Rock drill, used for stone mining or drilling aperture of 28-42mm hole, hole depth is usually less than 7m. Product categories include: the Integral drill equipment, Stone hole tools, taper rod and taper bit .

### Product codes example

Integral drill equipment

B 1 6-22 16-8 1 39

- Bit diameter: 39-39mm
- Bit type: 1-Chisel 4-Cross
- Shank length: 8-108mm
- Rod length: 16-1600mm
- Rod diameter: 19-19mm 22-22mm
- Rod section: 6-Hex
- Type of tools: 1-Integral rod
- Product: B-Drill rods

Stone hole rods

B 2 1-26 32-2 8 23

- Bit diameter: 23-23mm
- Shank length: 3-83mm 8-108mm
- Shank size: 2-22mm
- Stone hole tools length: 32-320mm
- Round rod length: 26-260mm
- Rod section: 1-Round rod / Hex Shank
- Type of tools: 2-Stone hole tools
- Product: B-Drill rods

Taper rods

B 3 6-22 25-8 19 7


- Taper: 4-4.8° 6-6° 7-7° 1-11° 2-12° 0-No taper
- Taper end diameter: 19-19mm
- Shank length: 3-83mm 8-108mm 9-159mm
- Rod length: 25-2500mm
- Rod diameter: 22-22mm
- Rod section: 6-Hex
- Type of tool: 3-Taper rod
- Product: B-Drill rods


Taper bits

A 1 8-40 14-2 7 1 0


- Gauge buttons angle: 3-30° 4-40° 5-35° 0-3° (Insert)
- Carbide design: 0-Spherical button 1-Insert 4-Conical button 6-Ballistic button
- Taper: 4-4.8° 6-6° 7-7° 1-11° 2-12°
- Taper end diameter: 2-22mm 5-25mm
- Carbide compacts: Height (Insert) Number (button)
- Bit diameter: 40-40mm
- Bit design: 1-Button / Short skirt 2-Button / Long skirt 8-Insert
- Type of tool: 1-Tapered chisel 2-Tapered cross 4-Tapered button
- Product: A-Rock drill bits


## Integral drill equipment

19mm (3/4") Integral	Series	L		D		Product code	Weight kg
		mm	foot/inch	mm	inch		
 H19×108mm Shank	21	800	2'7 1/2"	28	1 1/8	B16-1908-8128	2.0
		1600	5'3"	27	1 1/16	B16-1916-8127	3.8
		2400	7'10"	26	1 1/32	B16-1924-8126	5.5
	24	600	1'11 5/8"	27	1 1/16	B16-1906-8127	1.6
		1200	3'11 1/4"	26	1 1/32	B16-1912-8126	2.9
	25	400	1'3 3/4"	35	1 3/8	B16-1904-8135	1.2
		800	2'7 1/2"	34	1 11/32	B16-1908-8134	2.1

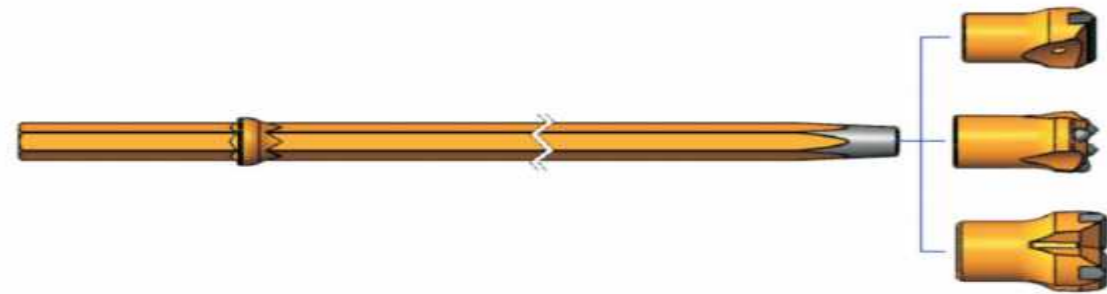
22mm (7/8") Integral	Series	L		D		Product code	Weight kg
		mm	foot/inch	mm	inch		
 H22×108 mm Shank	11	800	2'7 1/2"	34	1 11/32	B16-2208-8134	2.8
		1600	5'3"	33	1 5/16	B16-2216-8133	5.2
		2400	7'10 1/2"	32	1 1/4	B16-2224-8132	7.7
		3200	10'6"	31	1 7/32	B16-2232-8131	10.1
		4000	13'1 1/2"	30	1 3/16	B16-2240-8130	12.5
		4800	15'9"	29	1 5/32	B16-2248-8129	14.9
		5600	18'4 1/2"	28	1 1/8	B16-2256-8128	17.3
		6400	21'	27	1 1/16	B16-2264-8127	19.7
		7200	23'7 1/2"	26	1 1/32	B16-2272-8126	22.2
	12	800	2'7 1/2"	40	1 9/16	B16-2208-8140	2.9
		1600	5'3"	39	1 17/32	B16-2216-8139	5.3
		2400	7'10 1/2"	38	1 1/2	B16-2224-8138	7.7
		3200	10'6"	37	1 15/32	B16-2232-8137	10.1
		4000	13'1 1/2"	36	1 13/32	B16-2240-8136	12.5
		4800	15'9"	35	1 3/8	B16-2248-8135	14.9
		5600	18'4 1/2"	34	1 11/32	B16-2256-8134	17.4
		6400	21'	33	1 5/16	B16-2264-8133	19.8
		7200	23'7 1/2"	32	1 1/4	B16-2272-8132	22.2
	13	800	2'7 1/2"	33	1 5/16	B16-2208-8133	2.8
		1200	3'11 1/4"	32	1 1/4	B16-2212-8132	4.0
		1600	5'3"	31	1 7/32	B16-2216-8131	5.2
		2000	6'6 3/4"	30	1 3/16	B16-2220-8130	6.4
	16	1200	3'11 1/4"	34	1 11/32	B16-2212-8134	4.0
		1800	5'10 7/8"	33	1 5/16	B16-2218-8133	5.8
		2400	7'10 1/2"	32	1 1/4	B16-2224-8132	7.7
	17	1200	3'11 1/4"	40	1 9/16	B16-2212-8140	4.1
		1600	5'3"	39	1 17/32	B16-2216-8139	5.3
		2000	6'6 3/4"	38	1 1/2	B16-2220-8138	6.5




## Stone hole tools

19mm (3/4") Plug drill	L		TL		D		Product code	Weight kg
	mm	foot/inch	mm	inch	mm	inch		
 H19×108mm Shank	260	10 1/4"	200	7 7/8	20	25/32	B21-2026-9820	0.8
	260	10 1/4"	200	7 7/8	22	7/8	B21-2026-9822	0.8
	310	1'1/4"	250	9 7/8	22	7/8	B21-2531-9822	0.8
	340	1'1 3/8"	280	11	22	7/8	B21-2834-9822	0.9



22mm (7/8") Plug drill	L		TL		D		Product code	Weight kg
	mm	foot/inch	mm	inch	mm	inch		
 H22×108 mm Shank	260	10 1/4"	200	7 7/8"	23	15/16	B21-2026-2823	0.8
	320	1'1/2"	260	10 1/4"	23	15/16	B21-2632-2823	1.0
	360	1'2 1/8"	300	11 7/8"	23	15/16	B21-3036-2823	1.2
	410	1'5/32"	350	1'1 1/2"	23	15/16	B21-3541-2823	1.4
	600	1'11 5/8"	540	1'9 1/4"	26	1 1/32	B21-5460-2826	2.1

## Tapered drill equipment






22mm (7/8") Taper rod	L		Taper	Product code	Weight kg
	mm	foot/inch			
H22×108mm Shank 	500	1' 5/8"	7°	B36-2205-8197	1.5
	800	2' 7 1/2"		B36-2208-8197	2.4
	1000	3' 3 3/8"		B36-2210-8197	3.0
	1200	3' 11 1/4"		B36-2212-8197	3.6
	1500	4' 11"		B36-2215-8197	4.5
	1800	5' 10 7/8"		B36-2218-8197	5.5
	2000	6' 6 3/4"		B36-2220-8197	6.1
	2200	7' 2 5/8"		B36-2222-8197	6.7
	2500	8' 2 3/8"		B36-2225-8197	7.6
	3000	9' 10 1/8"		B36-2230-8197	9.1
	3500	11' 5 3/4"		B36-2235-8197	10.6
	4000	13' 1 1/2"		B36-2240-8197	12.1
	4500	14' 9 1/8"		B36-2245-8197	13.6
	5000	16' 4 5/8"		B36-2250-8197	15.1
	6000	19' 8 1/4"		B36-2260-8197	18.2
	7000	22' 11 5/8"		B36-2270-8197	21.2
	8000	26' 3"		B36-2280-8197	24.2
H22×108mm Shank 	800	2' 7 1/2"	12°	B36-2208-8152	2.4
	1200	3' 11 1/4"		B36-2212-8152	3.6
	1600	5' 3"		B36-2216-8152	4.9
	2200	7' 2 5/8"		B36-2222-8152	6.7
	2400	7' 10 1/2"		B36-2224-8152	7.3
	3200	10' 6"		B36-2232-8152	9.7
H22×83mm Shank 	1800	5' 10 7/8"	7°	B36-2218-3197	5.5
	2000	6' 6 3/4"		B36-2220-3197	6.1
	2500	8' 2 3/8"		B36-2225-3197	7.6
	3000	9' 10 1/8"		B36-2230-3197	9.1
	3500	11' 5 3/4"		B36-2235-3197	10.6
	4000	13' 1 1/2"		B36-2240-3197	12.1
	5000	16' 4 5/8"		B36-2250-3197	15.1

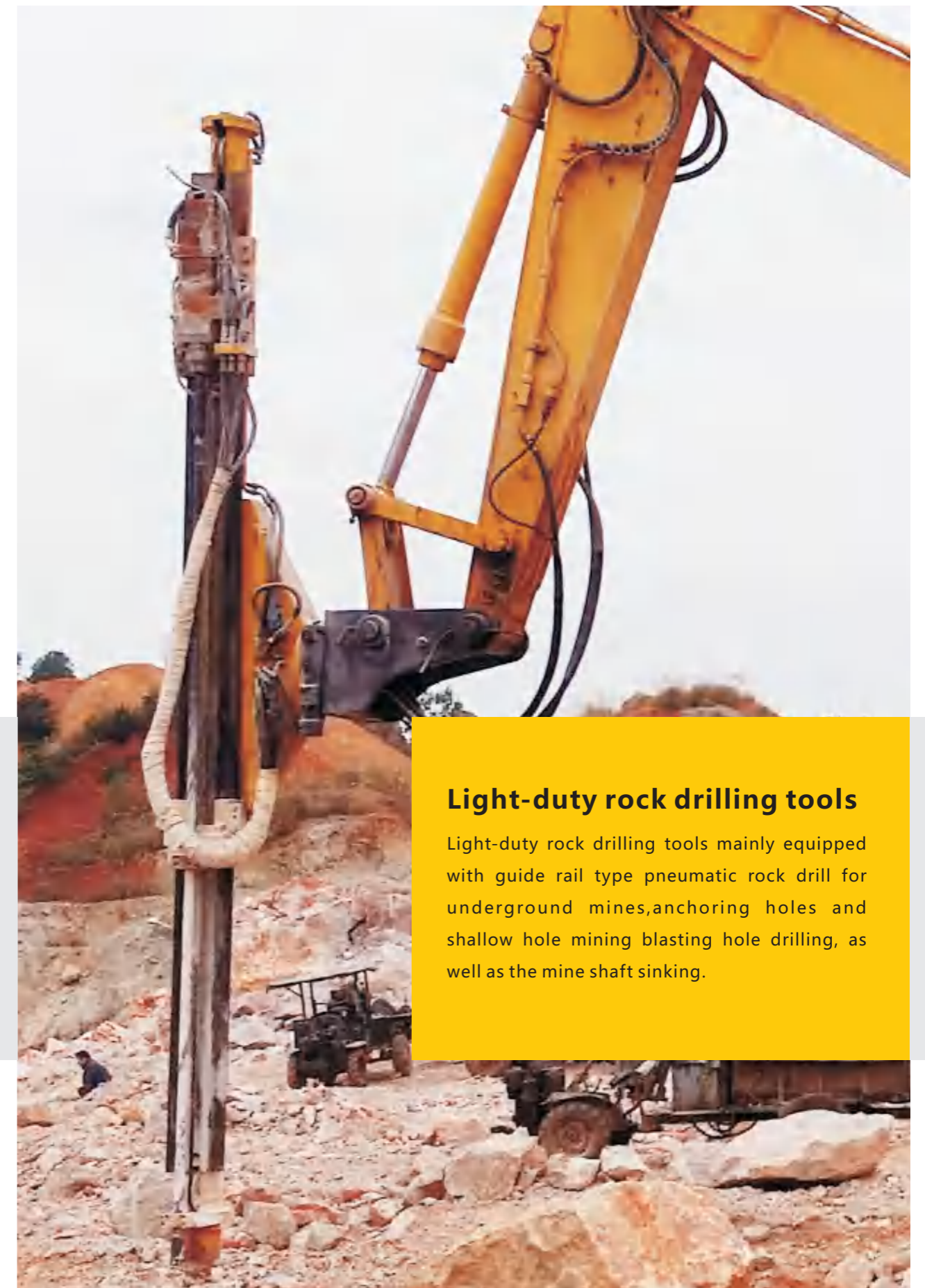
## Tapered drill equipment

25mm (1") Taper rod	L		Taper	Product code	Weight kg
	mm	foot/inch			
H25×108mm Shank 	1500	4' 11"	7°	B36-2515-8207	5.9
	1600	5"		B36-2516-8207	6.3
	1800	5' 10 7/8"		B36-2518-8207	7.1
	2000	6' 6 3/4"		B36-2520-8207	7.9
	2500	8' 2 3/8"		B36-2525-8207	9.9
	3000	9' 10 1/8"		B36-2530-8207	11.9
	4000	13' 1 1/2"		B36-2540-8207	15.8
H25×159mm Shank 	4200	13' 9 3/8"	7°	B36-2542-9207	16.6
	4700	14' 10"		B36-2547-9207	18.6
	5000	16' 4 5/8"		B36-2550-9207	19.8
	5500	18' 1/2"		B36-2555-9207	21.7

Taper bit, Insert	D		Insert H×T	Taper	Product code	Weight kg				
	mm	inch								
Chisel 	38	1 1/2	13×9	7°	A18-3813-3710	0.3				
			14×10		A18-3814-3710	0.3				
			15×10		A18-3815-3710	0.4				
Cross 	40	1 9/16	13×9	7°	A18-4013-3710	0.3				
			14×10		A18-4014-3710	0.4				
			15×10		A18-4015-3710	0.4				
Cross 	42	1 5/8	13×9	7°	A18-4213-3710	0.4				
			14×10		A18-4214-3710	0.4				
			15×10		A18-4215-3710	0.5				
			Cross 		34	1 11/32	12×8	7°	A28-3412-3710	0.3
							12×8		A28-3612-3710	0.4
							12×8		A28-3812-3710	0.4
							12×8		A28-4012-3710	0.4
							12×8		A28-4212-3710	0.5
							14×10		A28-4514-5710	0.5
							15×10		A28-5015-5710	0.5
Cross 	38	1 1/2	12×8	12°	A28-3212-3210	0.3				
			12×8		A28-3512-3210	0.3				
			12×8		A28-3812-3210	0.4				
			12×8		A28-4012-3210	0.5				
			12×8		A28-3812-3110	0.4				
Cross 	40	1 9/16	12×8	11°	A28-4012-3110	0.5				

## Tapered drill equipment

Taper bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Taper	Product code	Weight kg
	mm	inch	Gauge	Centre				
Button (long skirt) 	38	1 1/2	3×9	1×8	40°	7°	A42-3804-7364	0.3
	40	1 9/16	3×10	1×8			A42-4004-7364	0.4
	42	1 5/8	3×10	1×9			A42-4204-7364	0.4
Button (long skirt) 	28	1 1/8	3×7	2×6	40°	12°	A42-2805-2364	0.3
	30	1 3/16	3×7	2×6		12°	A42-3005-2364	0.3
	32	1 1/4	3×8	2×7		7°	A42-3205-7364	0.3
	38	1 1/2	3×9	2×8		12°	A42-3805-2364	0.3
	40	1 9/16	3×10	2×9		7°	A42-4005-7364	0.4
	42	1 5/8	3×10	2×9		7°	A42-4205-7364	0.5
Button (short skirt) 	32	1 1/4	5×7	2×6	40°	12°	A41-3207-2304	0.3
	35	1 3/8	5×8	2×6		12°	A41-3507-2304	0.3
	38	1 1/2	5×9	2×8		12°	A41-3807-2304	0.4
	41	1 9/16	5×10	2×9		11°	A41-4107-1304	0.4
	42	1 5/8	5×10	2×9		12°	A41-4207-2304	0.4

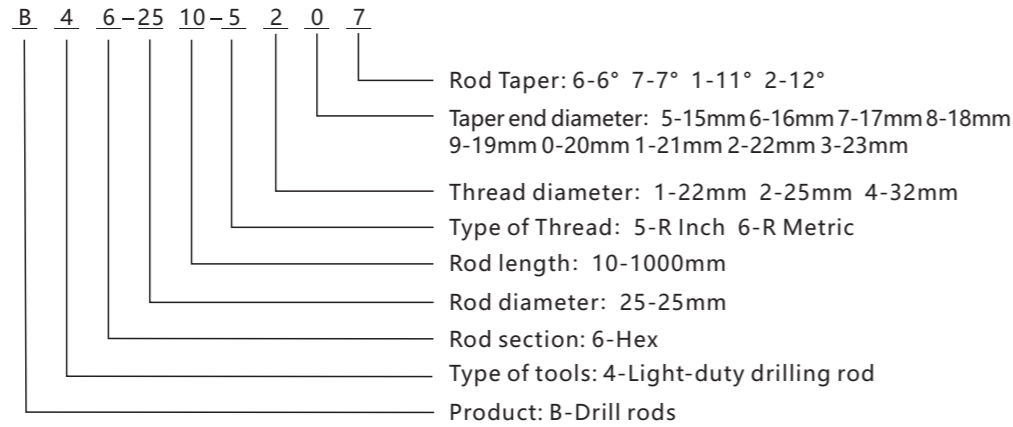


### Light-duty rock drilling tools

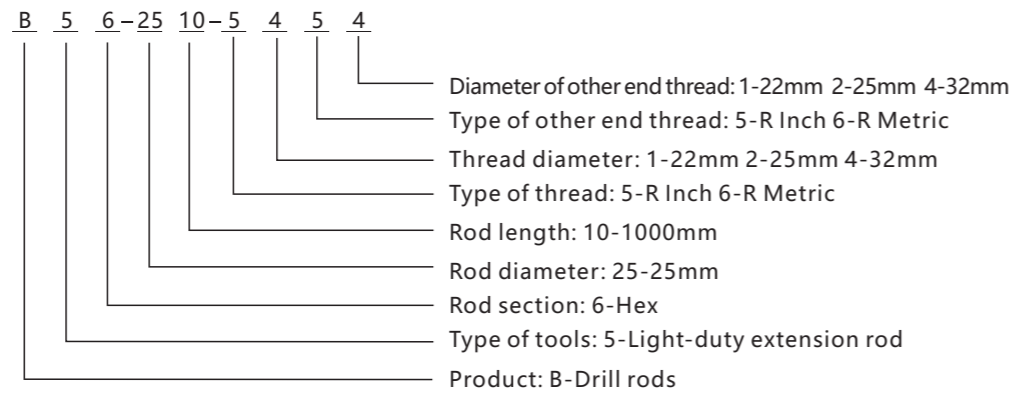
Light-duty rock drilling tools mainly equipped with guide rail type pneumatic rock drill for underground mines, anchoring holes and shallow hole mining blasting hole drilling, as well as the mine shaft sinking.

Product codes example

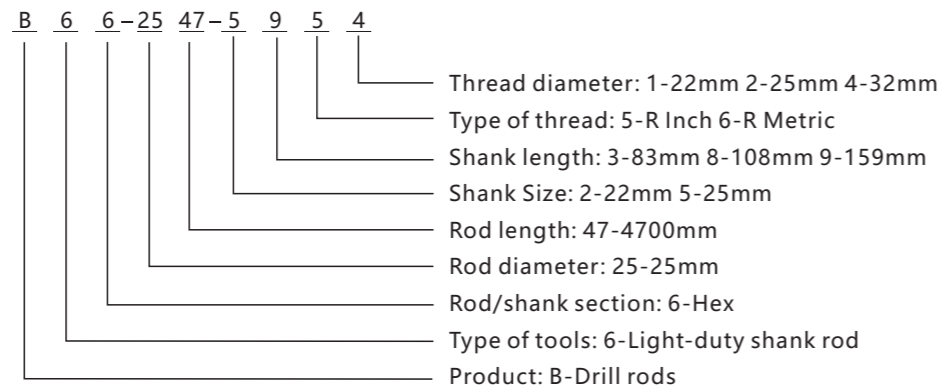
Light-duty extension equipment (Drilling rod)



Light-duty extension equipment (Extension rod)

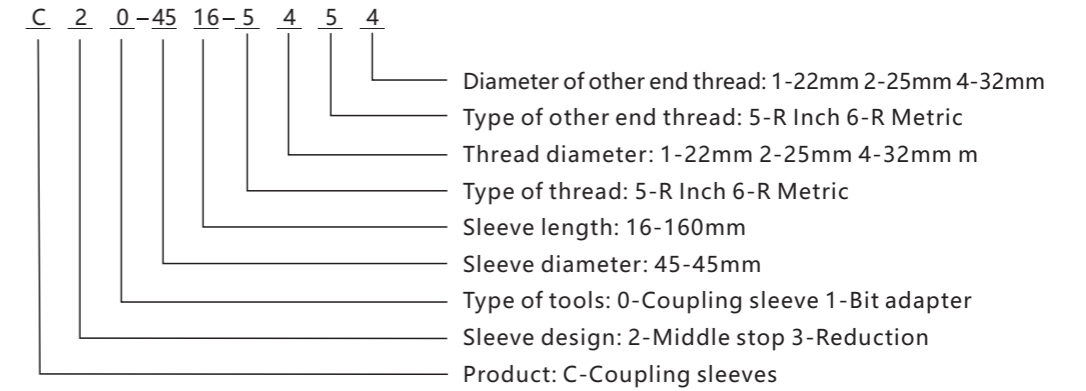


Light-duty extension equipment (Shank rod)

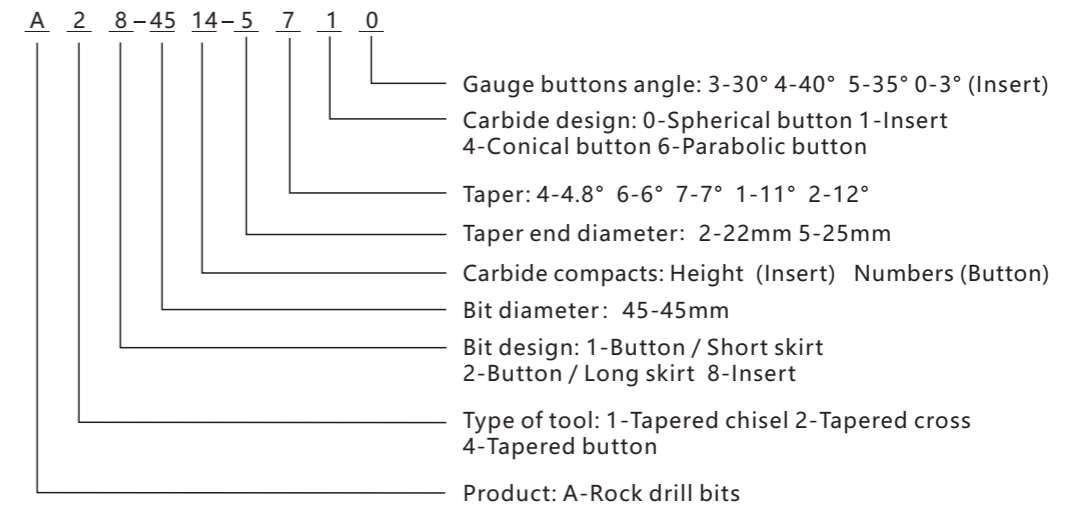


Product codes example

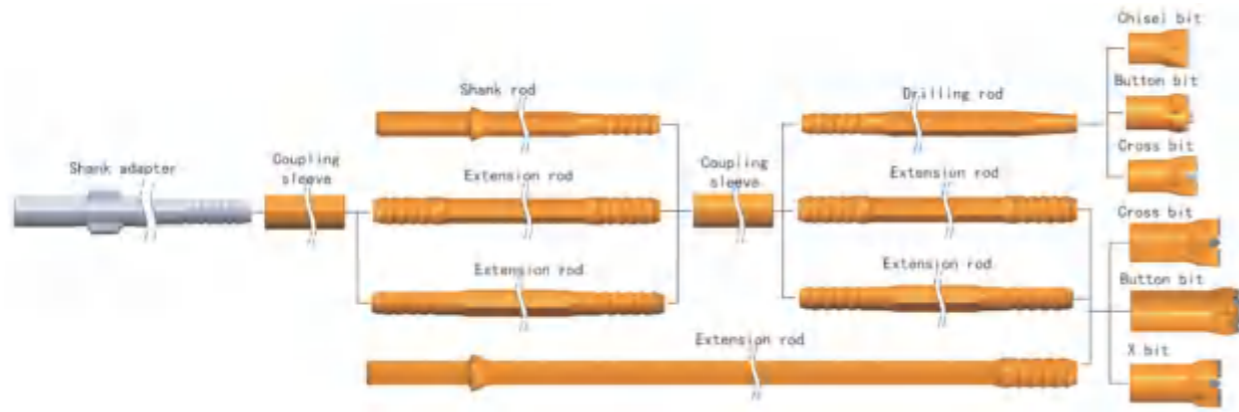
Coupling sleeves





Taper bits




## Light-duty rock drilling tools

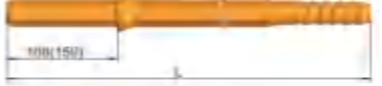





22mm (7/8") Shank rod	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 H22×108/159 Shank-R25	420	1'4 1/2"	22	7/8	R25	B66-2204-2852	1.3
	500	1'7 5/8"	22	7/8	R25	B66-2205-2852	1.5
	800	2'7 1/2"	22	7/8	R25	B66-2208-2852	2.5
	1000	3'3 3/8"	22	7/8	R25	B66-2210-2852	3.1
	1200	3'11 1/4"	22	7/8	R25	B66-2212-2852	3.7
	2000	6'6 3/4"	22	7/8	R25	B66-2220-2852	6.2


22mm (7/8") Extension rod	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 R22/R25-H22-R22/R25	500	1'7 5/8"	22	7/8	R25	B56-2205-5252	1.6
	600	1'11 5/8"	22	7/8	R25	B56-2206-5252	1.9
	1000	3'3 3/8"	22	7/8	R22	B56-2210-5151	3.1
	1200	3'11 1/4"	22	7/8	R25	B56-2212-5252	3.7
	1600	5'3"	22	7/8	R25	B56-2216-5252	5.1
	1800	5'10 7/8"	22	7/8	R25	B56-2218-5252	5.8

22mm (7/8") Drilling rod	L		H		Thread	Taper	Product code	Weight kg
	mm	foot/inch	mm	inch				
 H22-R25	1000	3'3 3/8"	22	7/8	R22	70	B46-2210-5197	2.9
	1000	3'3 3/8"	22	7/8	R25		B46-2210-5297	3.0
	1200	3'3 3/8"	22	7/8	R22		B46-2212-6197	3.5
	1200	3'3 3/8"	22	7/8	R25		B46-2212-6297	3.6
	2200	7'2 5/8"	22	7/8	R25		B46-2222-5297	7.0



## Light-duty rock drilling tools


25mm (1") Shank rod	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
  H25×108/159 Shank-R25/R32	300	11 7/8"	25	1	R25	B66-2503-5852	1.2
	400	1'3 3/4"	25	1	R25	B66-2504-5852	1.8
	700	2'3 5/8"	25	1	R25	B66-2507-5852	2.8
	900	2'11 3/8"	25	1	R25	B66-2509-5852	3.6
	1900	6'2 7/8"	25	1	R32	B66-2519-5854	7.7
	2200	7'2 5/8"	25	1	R25	B66-2522-5952	8.7
	3500	11'5 3/4"	25	1	R25	B66-2535-5852	13.8
	3600	11'9 3/4"	25	1	R32	B66-2536-5954	14.4
	3900	12'9 1/2"	25	1	R25	B66-2539-5852	15.1
	4500	14'9 1/8"	25	1	R32	B66-2545-5954	18.0
	4700	15'5 1/8"	25	1	R32	B66-2547-5954	18.8
	5500	18'1/2"	25	1	R32	B66-2555-5954	20.3

25mm (1") Extension rod	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
  R22/R25/R32-H25-R22/R25/R32	600	1'11 5/8"	25	1	R32	B56-2506-6464	2.7
	800	2'7 1/2"	25	1	R32	B56-2508-6464	3.5
	900	2'11 3/8"	25	1	R32	B56-2509-5454	3.9
	1000	3'3 3/8"	25	1	R25	B56-2510-5252	3.9
	1000	3'3 3/8"	25	1	R32	B56-2510-5454	4.3
	1100	3'7 1/4"	25	1	R32	B56-2511-6464	4.7
	1200	3'11 1/4"	25	1	R32	B56-2512-6464	5.0
	1600	5'3"	25	1	R32	B56-2516-6464	6.6
	1800	5'10 7/8"	25	1	R32	B56-2518-6464	7.4
	2200	7'2 5/8"	25	1	R25	B56-2522-5252	8.7
	2200	7'2 5/8"	25	1	R32	B56-2522-5454	9.0
	2400	7'10 1/2"	25	1	R32	B56-2524-5454	9.8




25mm (1") Drilling rod	L		H		Thread	Taper	Product code	Weight kg
	mm	foot/inch	mm	inch				
 H25-R25	1000	3'3 3/8"	25	1	R25	70	B46-2510-5207	3.7
	2200	7'2 5/8"	25	1	R32		B46-2522-5407	8.7
	2600	8'6 3/8"	25	1	R25		B46-2526-5207	10.1
	2800	9'2 1/4"	25	1	R25		B46-2528-5207	10.9

## Light-duty rock drilling tools

Taper bit, Insert	D		Insert H×T	Taper	Product code	Weight kg
	mm	inch				
 <p>Chisel</p>	38	1 1/2	13×9	7°	A18-3813-2710	0.3
			14×10		A18-3814-2710	0.3
			15×10		A18-3815-2710	0.4
	40	1 9/16	13×9	7°	A18-4013-2710	0.3
			14×10		A18-4014-2710	0.4
			15×10		A18-4015-2710	0.4
	42	1 5/8	13×9	7°	A18-4213-2710	0.4
			14×10		A18-4214-2710	0.4
			15×10		A18-4215-2710	0.5
 <p>Cross</p>	38	1 1/2	12×8	7°	A28-3812-2710	0.4
	40	1 9/16	12×8		A28-4012-2710	0.4
	42	1 5/8	12×8		A28-4212-2710	0.5
	45	1 3/4	14×10		A28-4514-5710	0.5
	50	1 31/32	15×10		A28-5015-5710	0.5
	38	1 1/2	12×8	12°	A28-3812-2210	0.4
	40	1 9/16	12×8		A28-4012-2210	0.5
	38	1 1/2	12×8	11°	A28-3812-2110	0.4
	40	1 9/16	12×8		A28-4012-2110	0.5

Coupling sleeve	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 <p>Middle stop</p>	150	5 7/8	30	1 3/16	R22	C20-3015-5151	0.5
	140	5 3/4	37	1 15/22	R25	C20-3714-5252	0.6
	150	5 7/8	45	1 3/4	R32	C20-4515-5454	0.9
	160	6 5/16	45	1 3/4	R32	C20-4516-5454	1.1
	160	6 5/16	45	1 3/4	R32	C20-4516-6464	1.1

## Light-duty rock drilling tools

Taper bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Taper	Product code	Weight kg	
	mm	inch	边齿	芯齿					
 <p>Button (long skirt)</p>	38	1 1/2	3×9	1×8	40°	7°	A42-3804-2764	0.3	
	40	1 9/16	3×10	1×8			A42-4004-2764	0.4	
	42	1 5/8	3×10	1×9			A42-4204-2764	0.4	
	 <p>Button (long skirt)</p>	38	1 1/2	3×9	2×8	40°	12°	A42-3805-2264	0.3
		40	1 9/16	3×10	2×9			A42-4005-2764	0.4
		42	1 5/8	3×10	2×9			A42-4205-2764	0.5
 <p>Button (short skirt)</p>		38	1 1/2	5×9	2×8	40°	12°	A41-3807-2204	0.4
		41	1 9/16	5×10	2×9			A41-4107-2104	0.4
		42	1 5/8	5×10	2×9			A41-4207-2204	0.4



### Underground long-hole drilling tools

Underground long-hole drilling tools vehicle for mining tools mainly equipped with guide rail type pneumatic rock drill, and a full hydraulic drill rig truck for underground mine, long-hole blasting holes, and a retaining hole drilling.

### Product codes example

**Extension rods**

B 9 0-45 15-7 7 7 7

- Diameter of other end thread: 3-28mm 4-32mm 5-35mm 6-38mm 7-45mm 8-51mm
- Type of other end thread: 5-R Inch 6-R Metric 7-T
- Thread diameter: 3-28mm 4-32mm 5-35mm 6-38mm 7-45mm 8-51mm
- Type of thread: 5-R Inch 6-R Metric 7-T
- Rod length: 15-1525mm
- Rod diameter: 46-46mm
- Rod section: 0-Round 6-Hex
- Type of tools: 8-Extension rod 9-MF rod
- Product: B-Drill rods

**Thread bits**

A 7 3-76 11-7 7 4 5

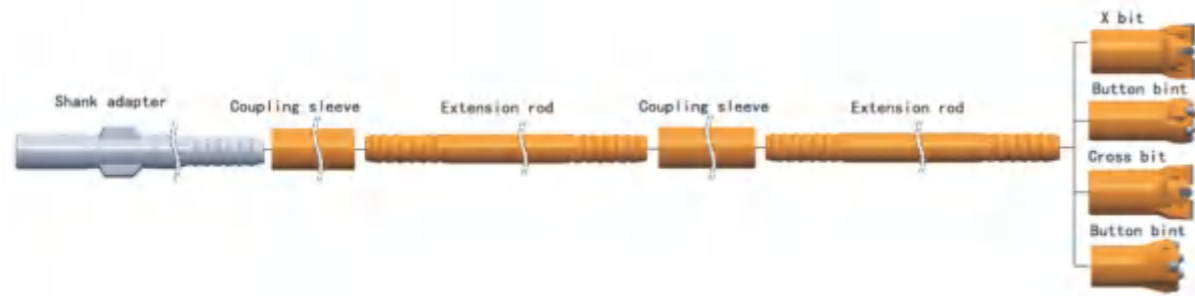
- Gauge buttons angle: 3-30° 4-40° 5-35° 0-3° (Insert)
- Carbide design: 0-Spherical button 1-Insert 4-Conical 6-Parabolic button
- Thread diameter: 4-32mm 5-35mm 6-38mm 7-45mm 8-51mm
- Type of thread: 2-ST 5-R Inch 6-R Metric 7-T
- Carbide compacts: Height (Insert) Number (button)
- Bit diameter: 76-76mm
- Bit design: 3-Button/flat 4-Button/flat/retrac 5-Button/drop center 8-Insert 6-Button/drop center/retrac
- Type of tool: 5-Thread cross 6-Thread X 7-Thread button
- Product: A-Rock drill bits

**Coupling sleeves**

C 2 0-66 20-7 7 7 7

- Diameter of other end thread: 4-32mm 6-38mm 7-45mm 8-51mm
- Type of other end thread: 5-R Inch 6-R Metric 7-T
- Thread diameter: 4-32mm 5-35mm 6-38mm 7-45mm 8-51mm
- Type of thread: 5-R Inch 6-R Metric 7-T
- Sleeve length: 20-207mm
- Sleeve diameter: 66-66mm
- Type of tools: 0-Coupling sleeve 1-Bit adapter
- Sleeve design: 2-Middle stop 3-Reduction
- Product: C-Coupling sleeves

## R32 (1 1/4") equipment for pneumatic rock drills



Extension rod	L		D	Product code	Weight kg
	mm	mm			
	600	32	B80-3206-6464	3.5	
	800	32	B80-3208-6464	4.5	
	1000	32	B80-3210-6464	5.7	
	1100	32	B80-3211-6464	6.3	
	1200	32	B80-3212-6464	6.9	

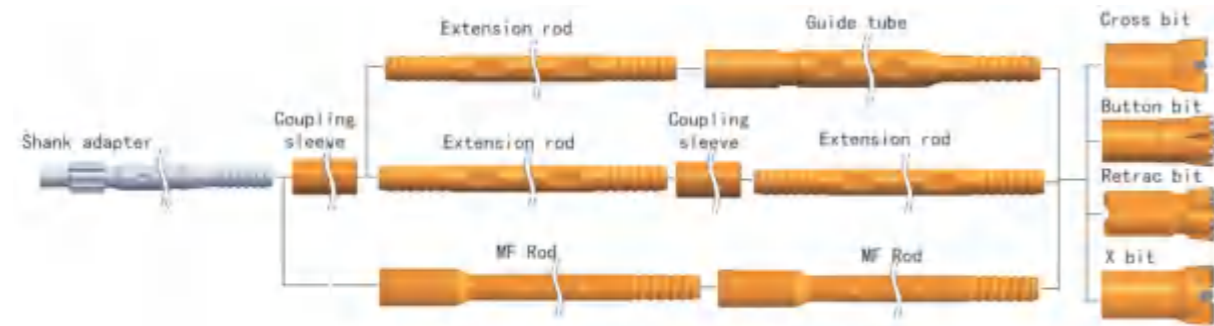
Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
	50	1 31/32	16×10	R32	A58-5016-6410	1.1
	55	2 5/32	16×10		A58-5516-6410	1.2
	60	2 3/8	16×10		A58-6016-6410	1.3
	65	2 19/32	16×10		A58-6516-6410	1.6
	55	2 5/32	18×10	R32	A68-5518-6410	1.2
	60	2 3/8	18×10		A68-6018-6410	1.3
	65	2 19/32	18×10		A68-6518-6410	1.6




## R32 (1 1/4") equipment for pneumatic rock drills



Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
	55	2 5/32	4×14	1×12	40°	R32	A73-5505-6404	1.1
	60	2 3/8	3×14	2×12			A73-6005-6464	1.2

Coupling sleeve	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
	150	5 7/8	45	1 3/4	R32	C20-4515-5454	1.0
	160	6 5/16	45	1 3/4	R32	C20-4516-5454	1.1
	160	6 5/16	45	1 3/4	R32	C20-4516-6464	1.1



## R32 (1 1/4") equipment for long-hole drilling





Extension rod	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 R32-D32-R32	915	3	32	1 1/4	R32	B80-3209-5454	4.8
	1220	4	32	1 1/4	R32	B80-3212-5454	6.5
 R32-D32-R32 MF rod	915	3	32	1 1/4	R32	B90-3209-5454	5.5
	1220	4	32	1 1/4	R32	B90-3212-5454	7.3
	1525	5	32	1 1/4	R32	B90-3215-5454	9.0
	1830	6	32	1 1/4	R32	B90-3218-5454	10.5
 R32-D45-R32 Guide tube	1830	6	45	1 3/4	R32	B00-4518-5454	14.2

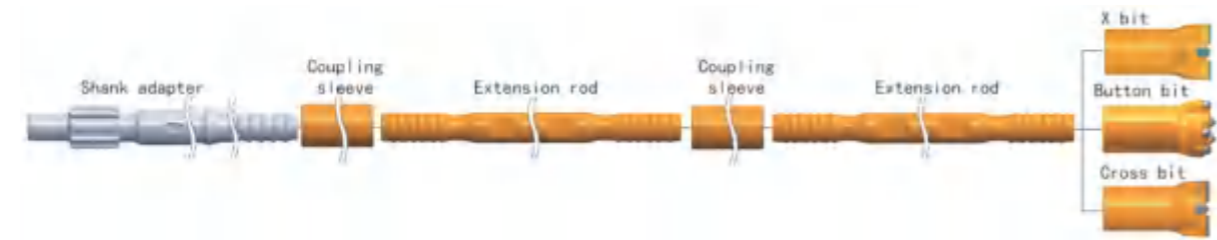
Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	51	2	6×10	3×9	35°	R32	A73-5109-5465	1.1
	54	2 1/6	6×11	3×9	35°	R32	A73-5409-5465	1.1
	57	2 1/4	6×10	3×10	35°	R32	A73-5709-5465	1.2
 Button/flat/retrac	51	2	6×10	3×9	30°	R32	A74-5109-5403	1.0
	54	2 1/6	6×10	3×9	30°	R32	A74-5409-5403	1.1
	57	2 1/4	6×11	3×10	30°	R32	A74-5709-5403	1.2


## R32 (1 1/4") equipment for long-hole drilling


Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 Cross	50	2	16×10	R32	A58-5016-5410	1.0
	55	2 1/6	16×10	R32	A58-5516-5410	1.2
	60	2 3/8	16×10	R32	A58-6016-5410	1.2
 X bit	50	2	16×10	R32	A68-5016-5410	1.0
	55	2 1/6	16×10	R32	A68-5516-5410	1.2
	60	2 3/8	16×10	R32	A68-6016-5410	1.2



Coupling sleeve	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	150	5 7/8	45	1 3/4	R32	C20-4515-5454	1.0
	160	6 5/16	45	1 3/4	R32	C20-4516-5454	1.1
 Reduction	160	6 5/16	45	1 3/4	R32/R25	C30-4516-5452	1.1
	160	6 5/16	45	1 3/4	R32/R28	C30-4516-5453	1.1
	170	6 3/4	55	2 5/32	R38/R32	C30-5517-5654	1.6
	190	7 1/2	55	2 5/32	T38/R32	C30-5519-7654	2.2

R38 (1 1/2") equipment for long-hole drilling

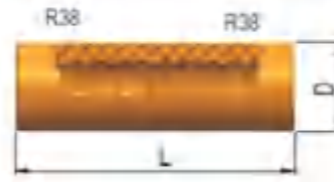
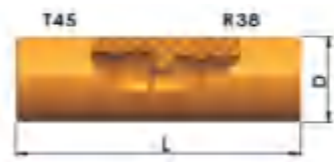


Extension rod	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 R38-D38-R38	1830	6	38	1 1/2	R38	B80-3818-5656	14.9
	3050	10	38	1 1/2	R38	B80-3830-5656	24.8
	3660	12	38	1 1/2	R38	B80-3836-5656	29.0

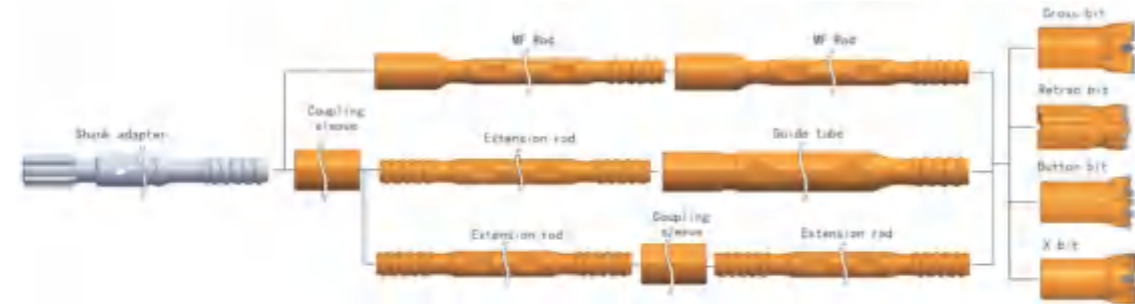
Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	64	2 1/2	6×12	3×11	30°	R38	A73-6409-5603	1.6
	70	2 3/4	8×10	4×9	35°	R38	A73-7012-5605	1.9
	76	3	8×12	4×11	35°	R38	A73-7612-5605	2.5

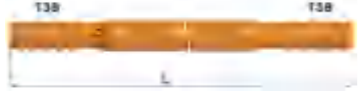


Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 Cross	64	2 1/2	18×10	R38	A51-6418-5610	1.63
 X bit	64	2 1/2	18×10	R38	A61-6418-5610	1.63



R38 (1 1/2") equipment for long-hole drilling

Coupling sleeve	L		H		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	170	6 11/16	55	2 5/32	R38	C20-5517-5656	1.6
	180	7 1/16	55	2 5/32	R38	C20-5518-5656	1.8
	190	7 1/2	55	2 5/32	R38	C20-5519-5656	2.2
 Reduction	190	7 1/2	55	2 5/32	R38/T38	C30-5519-7656	2.2
	190	7 1/2	55	2 5/32	R38/R32	C30-5519-5654	2.2
	207	8 1/16	66	2 3/8	R38/T45	C30-6620-7756	3.2





T38 (1 1/2") equipment for long-hole drilling





Extension rod	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 T38-D38-T38	1220	4	38	1 1/2	T38	B80-3812-7676	10.0
	1525	5	38	1 1/2	T38	B80-3815-7676	12.4
	1830	6	38	1 1/2	T38	B80-3818-7676	14.9
 T38-D38-T38 MF rod	1220	4	38	1 1/2	T38	B90-3812-7676	10.9
	1525	5	38	1 1/2	T38	B90-3815-7676	13.3
	1830	6	38	1 1/2	T38	B90-3818-7676	15.8
 T38-D56-T38 Guide tube	1830	6	56	2 1/8	T38	B00-5618-7676	17.4

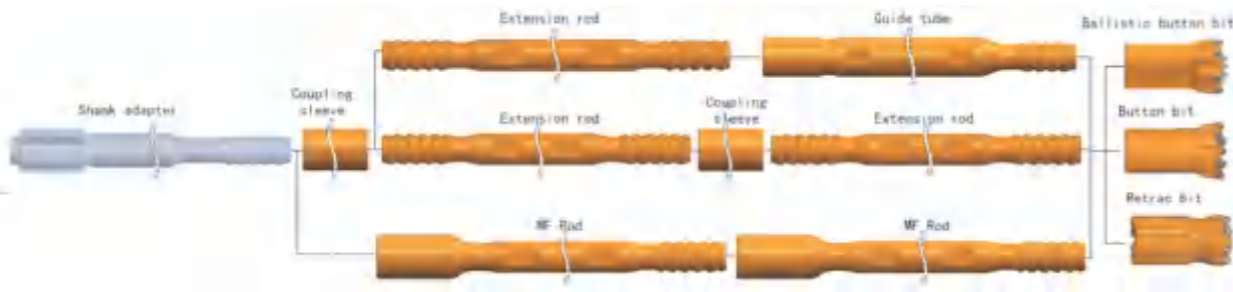
Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	190	7 1/2	55	2 5/32	T38	C20-5519-7676	1.8
 Reduction	190	7 1/2	55	2 5/32	T38/R38	C30-5519-7656	2.2
	190	7 1/2	55	2 5/32	T38/R32	C30-5519-7654	2.2
	207	8 1/16	66	2 3/8	T38/T45	C30-6620-7776	3.2



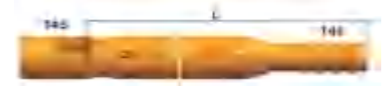
T38 (1 1/2") equipment for long-hole drilling


Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	64	2 1/2	6×12	3×11	30°	T38	A73-6409-7663	1.9
	70	2 3/4	8×10	6×10	35°	T38	A73-7014-7665	2.3
	76	3	7×12	4×11	35°	T38	A73-7611-7665	3.3
 Button/drop center	64	2 1/2	6×10	4×9	35°	T38	A75-6410-7665	1.7
	70	2 3/4	8×10	6×10	35°	T38	A75-7014-7665	2.0
 Button/flat/retrac	64	2 1/2	4×10	8×10	30°	T38	A74-6412-7603	1.9
	70	2 3/4	6×10	8×10	35°	T38	A74-7014-7605	2.3
 Button/drop center/retrac	64	2 1/2	6×9	4×9	35°	T38	A76-6410-7605	1.7
	64	2 1/2	6×9	4×9	40°	T38	A76-6410-7604	1.7

Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 Cross	64	2 1/2	18×10	T38	A28-6418-7610	1.6
 X bit	64	2 1/2	18×10	T38	A38-6418-7610	1.6


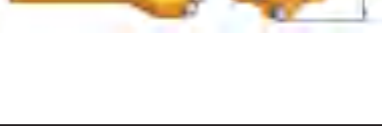





T45 (1 3/4") equipment for long-hole drilling



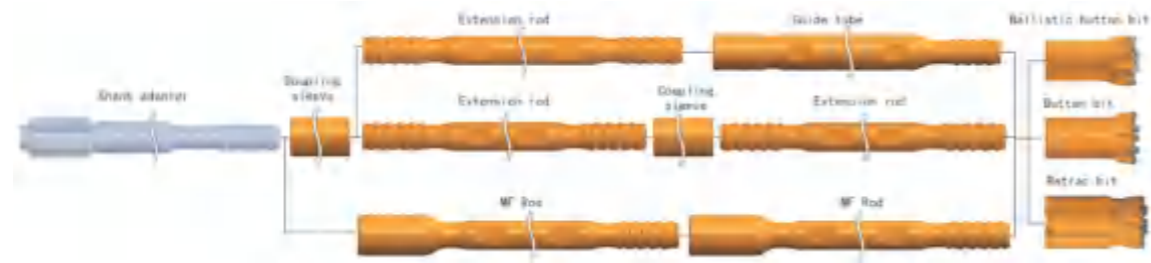
Extension rod	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 T45-D46-T45	3050	10	46	1 3/4	T45	B80-4630-7777	34.5
	3660	12	46	1 3/4	T45	B80-4636-7777	41.4
 T45-D46-T45 MF rod	1525	5	46	1 3/4	T45	B90-4615-7777	18.2
	1830	6	46	1 3/4	T45	B90-4618-7777	21.5
 T45-D64-T45 Guide tube	1830	6	64	2 1/2	T45	B00-6418-7777	25.4




Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	207	8 1/16	66	2 5/8	T45	C20-6620-7777	3.2


T45 (1 3/4") equipment for long-hole drilling

Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	76	3	7×12	4×11	35°	T45	A73-7611-7765	2.8
	89	3 1/2	8×12	4×11	35°	T45	A73-8912-7765	3.8
 Button	76	3	7×12	4×11	35°	T45	A73-7611-7745	2.8
	89	3 1/2	8×12	4×12	35°	T45	A73-8912-7745	3.8
 Button/drop center	76	3	7×12	6×10	35°	T45	A75-7613-7705	2.2
	89	3 1/2	8×13	6×10	35°	T45	A75-8914-7705	3.3
 Button/flat/retrac	76	3	8×11	6×10	35°	T45	A74-7614-7705	3.0
	89	3 1/2	8×12	6×10	35°	T45	A74-8914-7705	4.7
 Button/flat/retrac	76	3	9×11	6×10	35°	T45	A74-7615-7705	3.0
	89	3 1/2	9×12	6×10	35°	T45	A74-8915-7705	4.7
 Button/drop center/retrac	76	3	8×11	6×10	30°	T45	A76-7614-7703	2.8
	89	3 1/2	8×12	7×11	35°	T45	A76-8915-7705	3.5
 Button/drop center/retrac	76	3	8×11	6×10	35°	T45	A76-7614-7705	2.8
	89	3 1/2	8×12	6×10	40°	T45	A76-8914-7704	3.5

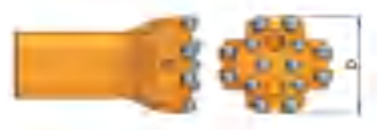



T51 (2") equipment for long-hole drilling



Extension rod	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
T51-D52-T51 	1830	6	52	2	T51	B80-5218-7878	25.3
T51-D52-T51 MF rod 	1830	6	52	2	T51	B90-5218-7878	26.8
T51-D76-T51 	1830	6	76	3	T51	B00-7618-7878	40.0

Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
Middle stop 	235	9 1/4	72	2 27/32	T51	C20-7223-7878	4.0

T51 (2") equipment for long-hole drilling

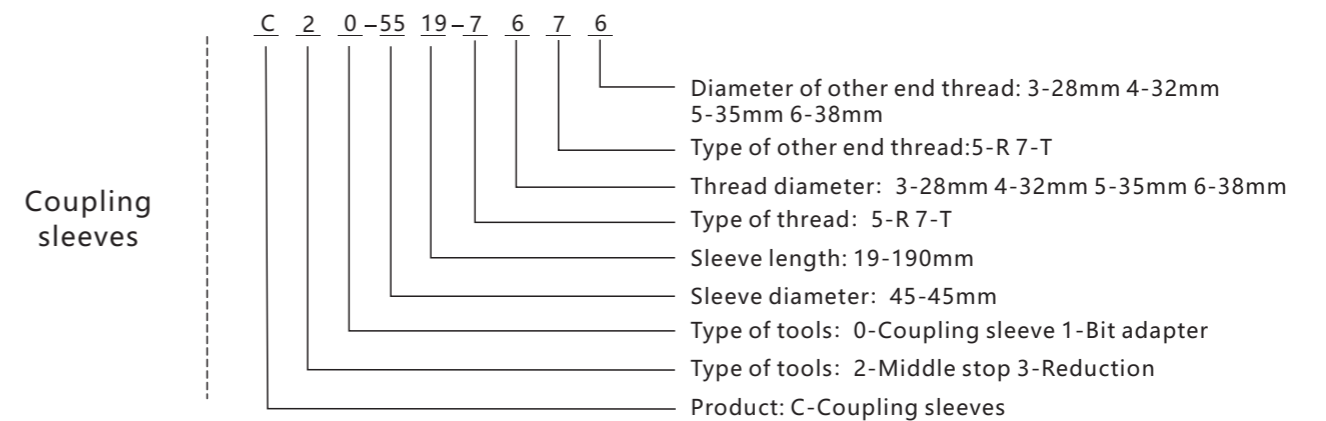
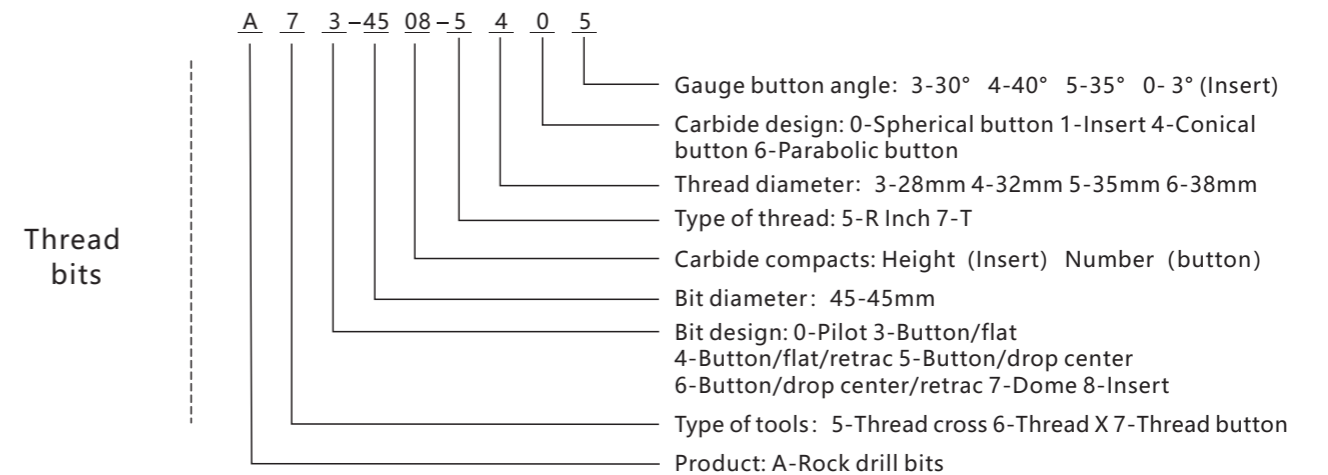
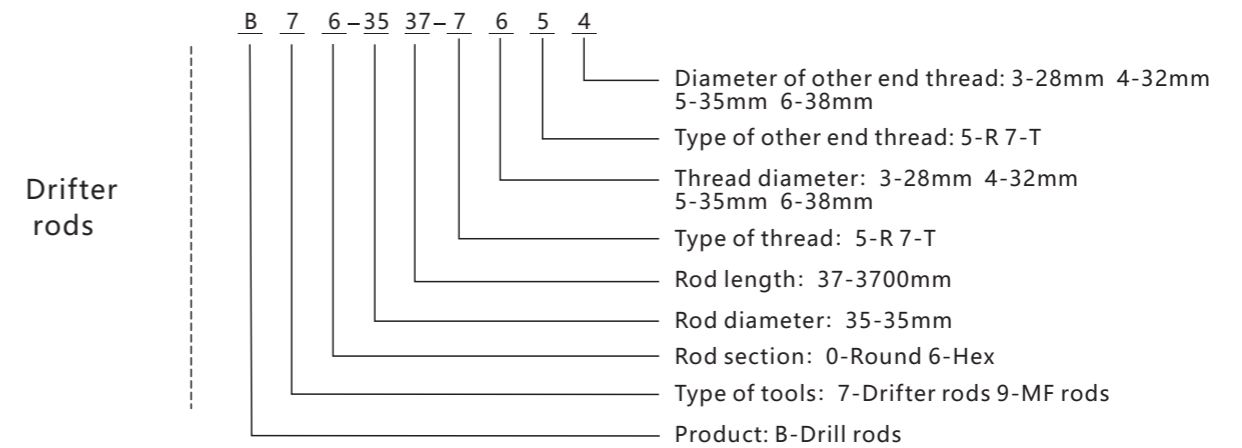
Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
Button 	89	3 1/2	9×11	6×10	35°	T51	A73-8915-7805	5.3
Button/drop center 	89	3 1/2	8×12	6×11	35°	T51	A75-8914-7805	4.8
Button/flat/retrac 	89	3 1/2	9×11	6×10	35°	T51	A74-8915-7805	4.9
Button/drop center/retrac 	89	3 1/2	8×12	5×11	35°	T51	A76-8916-7805	4.0
	89	3 1/2	8×12	7×11	40°	T51	A76-8915-7804	3.8



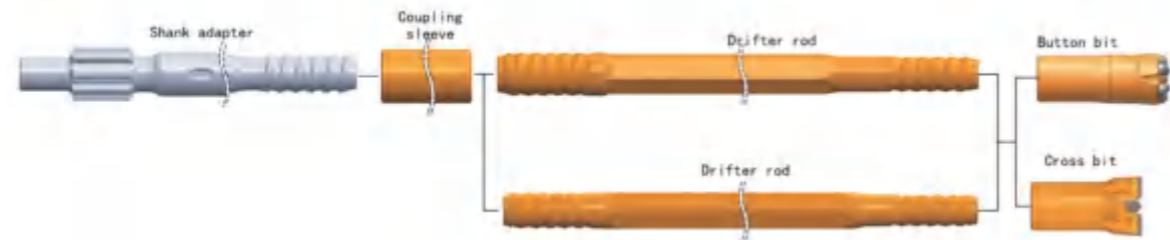
## Drifting and tunneling tools





Drifting and tunneling tools mainly equipped with hydraulic drilling rig, for large underground metal mine, roadway excavation blasting and anchor hole drilling, as well as the railway and highway tunnels, hydropower diversion tunnel and underground excavation construction sites.

### Product code example





R28 (1 1/8") equipment for drifting and tunneling

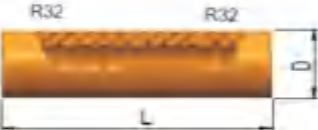


Drifter rod	L		D		Product code	Weight kg
	mm	foot/inch	mm	inch		
R32-H32-R28 	3090	10'1 5/8"	32	1 1/4	B76-3230-5453	19.6
R32-H28-R28 	2600 3090 3700 4005 4265 4305	8'6 3/8" 10'1 5/8" 12'1 5/8" 13'1 43/64" 13'11 1/2" 14'1 31/64"	28 28 28 28 28 28	1 1/8 1 1/8 1 1/8 1 1/8 1 1/8 1 1/8	B76-2826-5453 B76-2830-5453 B76-2837-5453 B76-2840-5453 B76-2842-5453 B76-2843-5453	13.0 15.9 18.5 20.5 21.3 21.5
R38-H32-R28 	3090 3700 4305	10'1 21/32" 12'1 1/2" 14'1 31/64"	32 32 32	1 1/4 1 1/4 1 1/4	B76-3230-5653 B76-3237-5653 B76-3243-5653	19.7 23.6 27.3
R38-H28-R28 	3700 4305	12'1 1/2" 14'1 31/64"	28 28	1 1/8 1 1/8	B76-2837-5453 B76-2843-5453	18.5 21.5

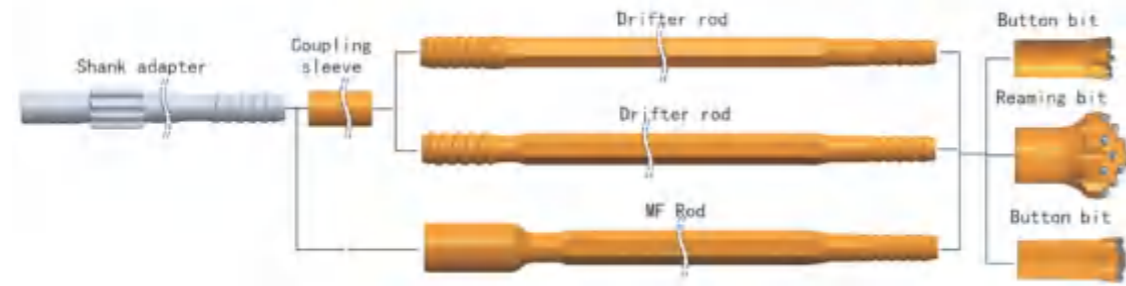
R28 (1 1/8") equipment for drifting and tunneling






Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
Button 	38	1 1/2	5×9	2×7	30°	R28	A73-3807-5363	0.6
	41	1 5/8	5×9	2×8	35°	R28	A73-4107-5365	0.6
	43	1 11/16	5×10	2×8	35°	R28	A73-4307-5365	0.7
	38	1 1/2	5×9	2×8	35°	R28	A73-3807-5343	0.6
	41	1 5/8	5×9	2×8	35°	R28	A73-4107-5345	0.6
	43	1 11/16	5×10	2×8	35°	R28	A73-4307-5345	0.7

Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
Cross 	38	1 1/2	15×10	R28	A58-3815-5310	0.5
	41	1 5/8	18×10	R28	A58-4118-5310	0.6






Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
Middle stop 	160	6 5/16	45	1 3/4	R32	C20-4516-5454	1.0
	170	6 3/4	55	2 5/32	R38	C20-5517-5656	1.7


R32 (1 1/4") equipment for drifting and tunneling




Drifter rod	L		H		Product code	Weight kg
	mm	foot/inch	mm	inch		
 R38-H35-R32	3090	10'1 21/32"	35	1 5/8	B76-3530-5654	24.0
	3700	12'1 1/2"	35	1 5/8	B76-3537-5654	28.7
	4305	14'1 3/64"	35	1 5/8	B76-3543-5654	33.7
	4915	16'1 1/2"	35	1 5/8	B76-3549-5654	38.2
	5525	18'1 33/64"	35	1 5/8	B76-3555-5654	43.1
 T38-H35-R32 MF rod	3700	12'1 1/2"	35	1 5/8	B96-3537-7654	29.4
	4305	14'1 3/64"	35		B96-3543-7654	34.4
	4915	16'1 1/2"	35		B96-3549-7654	38.9
	5525	18'1 33/64"	35		B96-3555-7654	43.8
 T38-H35-R32	3090	10'1 21/32"	35	1 5/8	B76-3530-7654	23.9
	3700	12'1 1/2"	35	1 5/8	B76-3537-7654	28.6
	4305	14'1 3/64"	35	1 5/8	B76-3543-7654	33.6
	4915	16'1 1/2"	35	1 5/8	B76-3549-7654	38.3
	5525	18'1 33/64"	35	1 5/8	B76-3555-7654	43.2
 R38-H32-R32	3700	12'1 1/2"	32	1 1/4	B76-3237-5654	23.6
	4305	14'1 31/64"	32	1 1/4	B76-3243-5654	27.5
	4915	16'1 1/2"	32	1 1/4	B76-3249-5654	31.4
	 T38-H32-R32	3700	12'1 1/2"	32	1 1/4	B76-3237-7654
4305		14'1 31/64"	32	1 1/4	B76-3243-7654	27.5

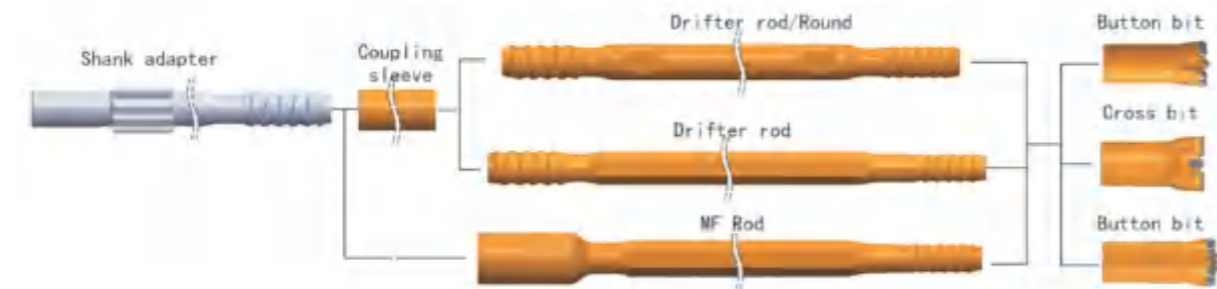
R32 (1 1/4") equipment for drifting and tunneling




Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Butto	43	1 11/16	5×10	2×9	30°	R32	A73-4307-5403	0.6
	45	1 3/4	5×11	2×9	30°	R32	A73-4507-5403	0.7
	48	1 7/8	5×11	2×9	35°	R32	A73-4807-5405	0.8
	51	2	5×11	2×10	35°	R32	A73-5107-5405	1.2
 Butto	45	1 3/4	5×11	2×9	30°	R32	A73-4507-5463	0.7
	48	1 7/8	5×11	2×9	35°	R32	A73-4807-5465	0.8
	51	2	5×12	2×10	35°	R32	A73-5107-5465	1.2
 Butto	45	1 3/4	6×10	2×9	35°	R32	A73-4508-5405	0.7
	48	1 7/8	6×10	2×9	40°	R32	A73-4808-5404	0.8
	51	2	6×10	2×9	40°	R32	A73-5108-5404	1.2
 Butto	43	1 11/16	6×10	3×8	30°	R32	A75-4309-5403	0.6
	45	1 3/4	6×10	3×9	30°	R32	A75-4509-5403	0.7
	48	1 7/8	6×10	3×9	35°	R32	A75-4809-5405	0.8
	51	2	6×11	3×9	35°	R32	A75-5109-5405	1.0
 Butto	48	1 7/8	6×10	3×8	30°	R32	A73-4809-5463	0.8
	51	2	6×10	3×9	35°	R32	A73-5109-5465	1.0


Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 Cross	43	1 11/16	15×10	R32	A58-4315-5410	0.8
	45	1 3/4	18×10	R32	A58-4518-5410	0.9
	48	1 7/8	18×10	R32	A58-4818-5410	0.9
	51	2	18×10	R32	A58-5118-5410	1.1

Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	170	6 11/16	55	2 5/32	R38	C20-5517-5656	1.8
	190	7 1/2	55	2 5/32	T38	C20-5519-7676	2.0






R35 (1 3/8") equipment for drifting and tunneling




Drifter rod	L		H		Product code	Weight kg
	mm	foot/inch	mm	inch		
 T38-H35-R35	4305	14'1 31/64"	35	1 3/8	B76-3543-7655	33.8
	4915	16'1 1/2"	35	1 3/8	B76-3549-7655	38.4
	5525	18'1 33/64"	35	1 3/8	B76-3555-7655	43.3
	6135	20'1 1/2"	35	1 3/8	B76-3561-7655	48.0
 T38-H35-R35 MF rod	4305	14'1 31/64"	35	1 3/8	B96-3543-7675	34.0
	4915	16'1 1/2"	35	1 3/8	B96-3549-7675	38.6
	5525	18'1 33/64"	35	1 3/8	B96-3555-7675	43.5
	6135	20'1 1/2"	35	1 3/8	B96-3561-7675	48.2
 T38-D38-R35	4305	14'1 31/64"	38	1 1/2	B70-3843-7655	34.2
	4915	16'1 1/2"	38	1 1/2	B70-3849-7655	39.2
	5525	18'1 33/64"	38	1 1/2	B70-3855-7655	44.3
	6135	20'1 1/2"	38	1 1/2	B70-3861-7655	49.3

Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	190	7 1/2	55	2 5/32	T38	C20-5519-7676	2.0
	190	7 1/2	52	2 1/16	T38	C20-5219-7676	1.8

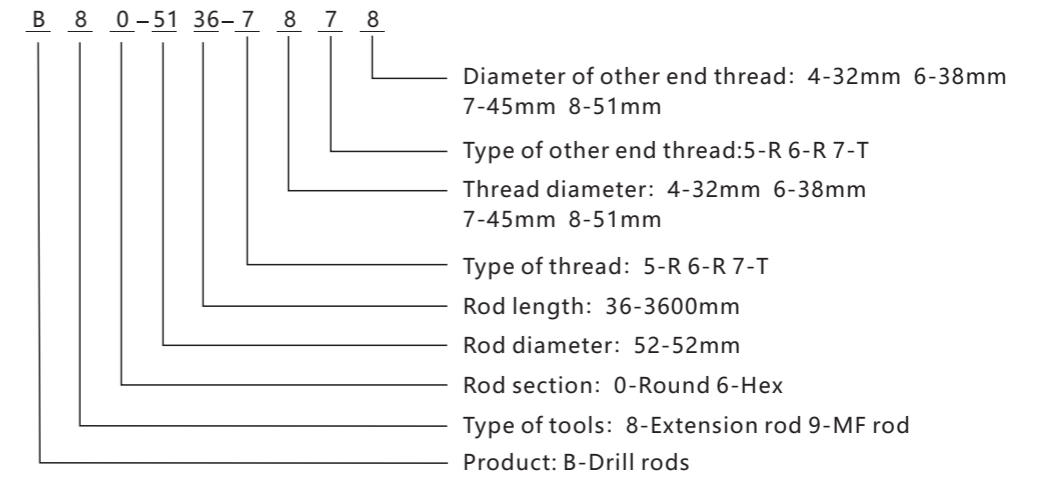
R35 (1 3/8") equipment for drifting and tunneling

Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	48	1 7/8	5×11	2×9	35°	R35	A73-4807-5505	0.8
	51	2	5×12	2×10	35°	R35	A73-5107-5505	1.0
 Button	48	1 7/8	5×11	2×9	35°	R35	A73-4807-5565	0.8
	51	2	5×12	2×10	35°	R35	A73-5107-5565	1.0
 Button	48	1 7/8	6×10	3×9	30°	R35	A73-4809-5503	0.8
	51	2	6×10	3×9	35°	R35	A73-5109-5505	1.0
	54	2 1/5	6×11	3×9	30°	R35	A73-5409-5503	1.2
 Button	48	1 7/8	6×10	3×9	30°	R35	A73-4809-5563	0.9
	51	2	6×10	3×9	35°	R35	A73-5109-5565	1.0
 Button	48	1 7/8	6×10	3×9	30°	R35	A73-4809-5543	0.9

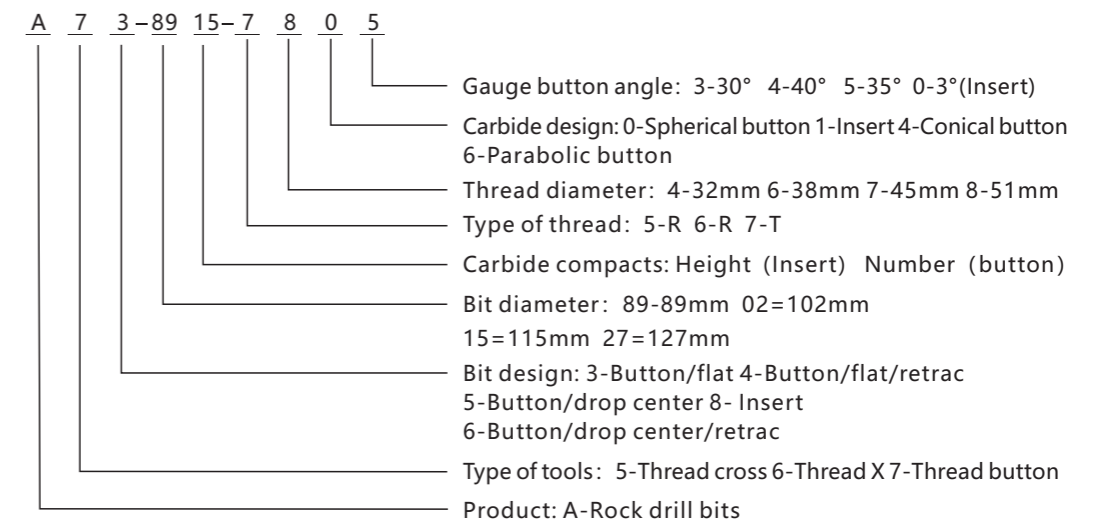
Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 Cross	48	1 7/8	18×10	R35	A28-4818-5510	1.0

## Product code example

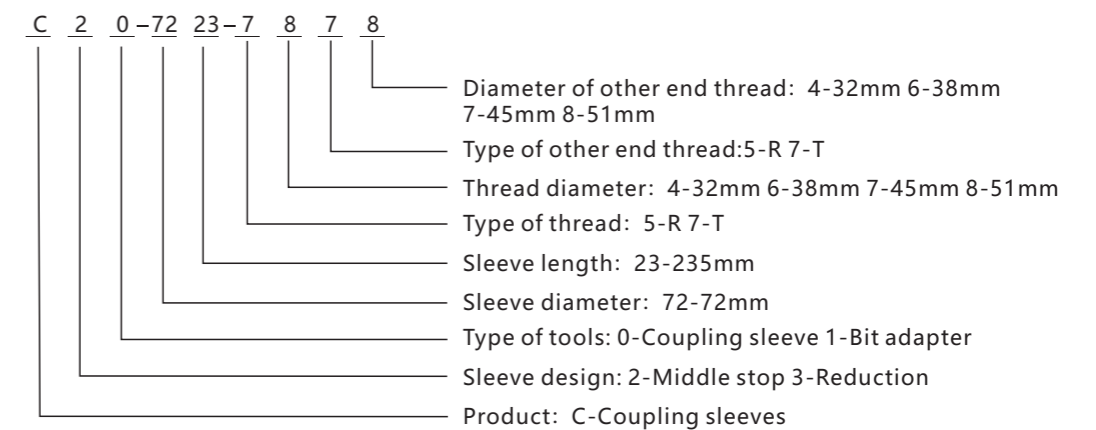
### Extension rod



### Thread bits



### Coupling sleeves

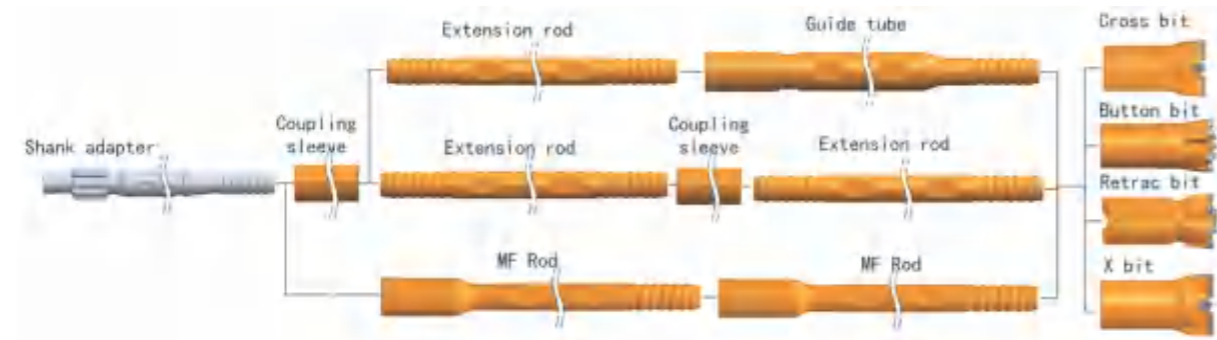





## Bench drilling tools

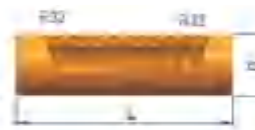

Bench drilling tools mainly with crawler type fully hydraulic drill jumbo for open pit mining, open-pit mine ladder, construction of stone mining, cement raw material exploitation, hydropower excavation in construction of large diameter hole blasting of rock drilling.



R32 (1 1/4") equipment for surface drill rigs




Extension rod	L		D		Product code	Weight kg
	mm	foot/inch	mm	inch		
 R32-D32-R32	2435	8'	32	1 1/4	B80-3224-5454	13.2
	3050	10'	32	1 1/4	B80-3230-5454	16.6
	3660	12'	32	1 1/4	B80-3236-5454	20.0
	4000	13'1 1/2"	32	1 1/4	B80-3240-5454	21.9
 R32-D32-R32 MF rod	2435	8'	32	1 1/4	B90-3224-5454	14.6
	3050	10'	32	1 1/4	B90-3230-5454	18.6
	3660	12'	32	1 1/4	B90-3236-5454	22.1
	4265	14'	32	1 1/4	B90-3242-5454	25.6
 R32-D45-R32 Guide tube	1830	6'	46	1 3/4	B00-4618-5454	14.2
	3050	10'	46	1 3/4	B00-4630-5454	25.0

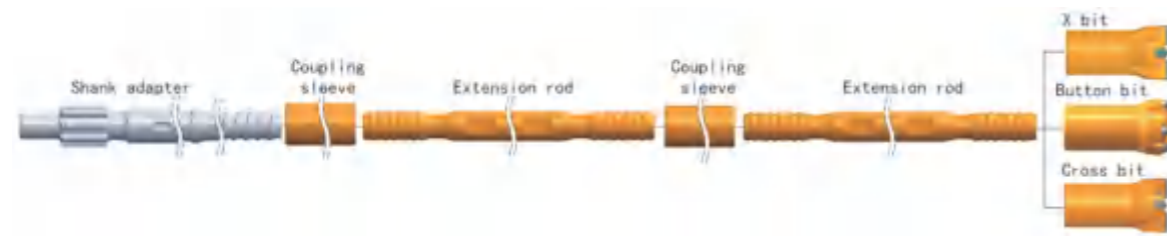
Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	160	6 1/4	45	1 47/64	R32/R32	C20-4516-5454	1.1
 Reduction	170	6 3/4	55	2 5/32	R38/R32	C30-5517-5654	1.7
	190	7 1/2	55	2 5/32	T38/R32	C30-5519-7654	2.0


R32 (1 1/4") equipment for surface drill rigs


Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	51	2	6×10	3×9	35°	R32	A73-5109-5405	1.1
	57	2 1/4	6×11	3×10	35°	R32	A73-5709-5405	1.2
	51	2	6×10	3×9	35°	R32	A73-5109-5445	1.1
 Button	64	2 1/2	8×11	4×10	30°	R32	A73-6412-5403	1.5
	76	3	8×12	4×11	35°	R32	A73-7612-5405	2.4
	64	2 1/2	8×11	4×10	35°	R32	A73-6412-5445	1.5
	76	3	8×12	4×10	35°	R32	A73-7612-5445	2.4
 Button	76	3	8×12	5×10	35°	R32	A73-7613-5405	2.4
	76	3	8×12	6×10	35°	R32	A73-7614-5445	2.4
 Button/flat/retrac	51	2	6×11	3×10	30°	R32	A74-5109-5403	1.3
	64	2 1/2	8×12	4×11	30°	R32	A74-6412-5403	2.5
	51	2	6×11	3×10	30°	R32	A74-5109-5443	1.3


Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 Cross	50	2	18×13	R32	A58-5018-5410	1.1
	55	2 1/4	18×13	R32	A58-5518-5410	1.2
	65	2 1/2	18×13	R32	A58-6518-5410	1.6



## R38 (1 1/2") equipment for surface drill rigs



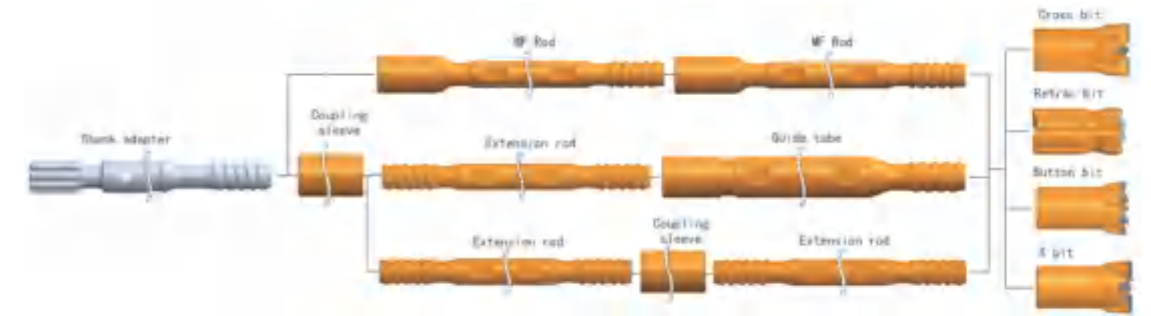
Extension rod	L		D		Product code	Weight kg
	mm	foot/inch	mm	inch		
 R38-D38-R38	2435	8'	38	1 1/2	B80-3824-5656	19.2
	3050	10'	38	1 1/2	B80-3830-5656	24.3



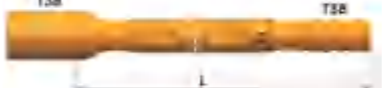

Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	64	2 1/2	8×10	4×10	30°	R38	A73-6412-5663	1.9
	76	2 3/4	8×11	4×10	35°	R38	A73-7612-5665	2.3



Thread bit, Insert	D		Insert	Thread	Product code	Weight kg
	mm	inch				
 X bit	70	2 3/4	25×13	R38	A68-7025-5610	2.1

Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	170	6 11/16	55	2 5/32	R38	C20-5517-5656	1.8
 Reduction	190	7 1/2	55	2 5/32	R38/T38	C30-5519-7656	2.1
	207	8 1/16	66	2 3/8	R38/T45	C30-6620-7756	3.2







## T38 (1 1/2") equipment for surface drill rigs



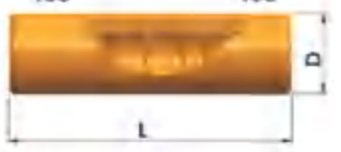

Extension rod	L		D		Product code	Weight kg
	mm	foot/inch	mm	inch		
 T38-H32-T38	3050	10'	32	1 1/4	B86-3230-7676	18.7
	3660	12'	32	1 1/4	B86-3236-7676	22.4
 T38-D38-T38	3050	10'	38	1 1/2	B80-3830-7676	24.8
	3660	12'	38	1 1/2	B80-3836-7676	29.8
 T38-D38-T38 MF rod	3050	10'	38	1 1/2	B90-3830-7676	26.3
	3660	12'	38	1 1/2	B90-3836-7676	31.5
	4265	14'	38	1 1/2	B90-3842-7676	36.9
 T38-D56-T38 Guide tube	1830	6'	56	2 13/46	B00-5618-7676	17.4
	3050	10'	56	2 13/46	B00-5630-7676	28.3
	3700	12'	56	2 13/64	B00-5637-7676	32.8

Thread bit, Insert	D		Insert	Thread	Product code	Weight kg
	mm	inch				
 X bit	64	2 1/2	18×13	T38	A68-6418-7610	2.1
 Cross	64	2 1/2	18×13	T38	A58-6418-7610	2.1

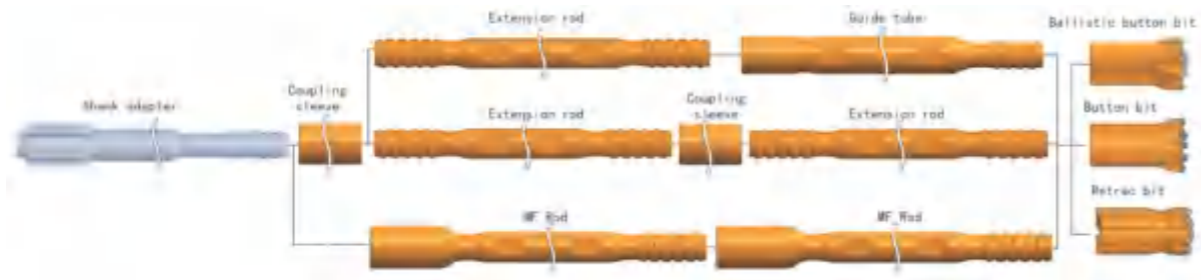
T38 (1 1/2") equipment for surface drill rigs

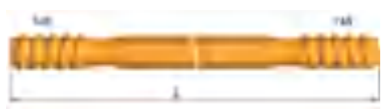



Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
Button 	64	2 1/2	6×12	3×11	30°	T38	A73-6409-7603	1.6
	64	2 1/2	6×12	3×11	30°	T38	A73-6409-7663	1.6
Button/drop center 	76	3	7×12	4×11	35°	T38	A75-7611-7605	2.4
	76	2 1/2	7×12	4×11	35°	T38	A75-7611-7665	2.3
Button 	64	2 1/2	8×10	4×10	30°	T38	A73-6412-7603	1.7
	70	3 3/4	8×10	6×10	35°	T38	A73-7014-7605	1.9
	76	3	8×10	6×10	35°	T38	A73-7614-7605	3.3
	89	3 1/2	9×11	6×10	35°	T38	A73-8915-7605	3.7
	64	2 1/2	8×10	4×10	35°	T38	A73-6412-7665	1.6
	76	3	8×10	6×10	40°	T38	A73-7614-7664	3.4
Button 	64	2 1/2	6×10	4×9	35°	T38	A73-6410-7605	1.5
	76	3	8×11	6×10	30°	T38	A73-7614-7603	3.3
	64	2 1/2	6×10	4×9	40°	T38	A73-6410-7664	1.5
	76	3	8×11	6×10	35°	T38	A73-7614-7665	3.4
Button/flat/retrac 	64	2 1/2	8×10	4×10	30°	T38	A74-6412-7603	1.5
	70	2 3/4	8×10	6×10	35°	T38	A74-7014-7605	1.8
	76	3	8×11	6×10	35°	T38	A74-7614-7605	3.3
	64	2 1/2	8×10	4×10	35°	T38	A74-6412-7665	1.8
Button/drop center/retrac 	64	2 1/2	6×10	5×9	35°	T38	A76-6411-7605	2.0
	76	3	8×11	6×10	35°	T38	A76-7614-7605	2.7
	64	3 1/2	6×10	4×9	40°	T38	A76-6410-7664	1.9
	76	3	8×11	6×10	35°	T38	A76-7614-7665	2.5

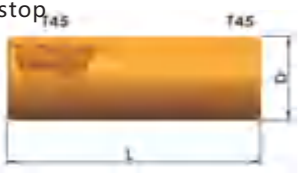
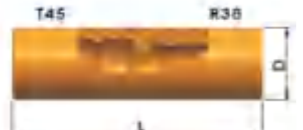
T38 (1 1/2") equipment for surface drill rigs

Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
Middle stopR 	190	7 1/2	55	2 5/32	T38	C20-5519-7676	2.0
eduction 	190	7 1/2	55	2 5/32	T38/R38	C30-5519-7656	2.1
	190	7 1/2	55	2 5/32	T38/R32	C30-5519-7654	2.2
	207	8 1/16	66	2 3/8	T38/T45	C30-6620-7776	3.2





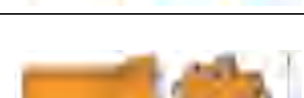
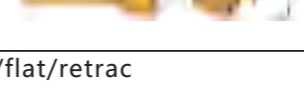
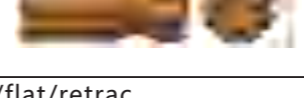

T45 (1 3/4") equipment for surface drill rigs




Extension rod	L		D		Product code	Weight kg
	mm	foot/inch	mm	inch		
 T45-H38-T45	3050	10'	38	1 1/2	B86-3830-7777	25.2
	3660	12'	38	1 1/2	B86-3836-7777	30.4
 T45-D46-T45	3050	10'	46	1 3/4	B80-4630-7777	34.0
	3660	12'	46	1 3/4	B80-4636-7777	41.0
	4265	14'	46	1 3/4	B80-4642-7777	47.9
	6095	20'	46	1 3/4	B80-4660-7777	68.9
 T45-D46-T45 MF rod	3050	10'	46	1 3/4	B90-4630-7777	37.6
	3660	12'	46	1 3/4	B90-4636-7777	43.5
	4265	14'	46	1 3/4	B90-4642-7777	51.5
	5335	17'6 1/8"	46	1 3/4	B90-4653-7777	61.8
	6095	20'	46	1 3/4	B90-4660-7777	70.6
 T45-D63/D76-T45 Guide tube	1830	6'	63	2 1/2	B00-6318-7777	25.4
	1830	6'	76	3	B00-7618-7777	40.0

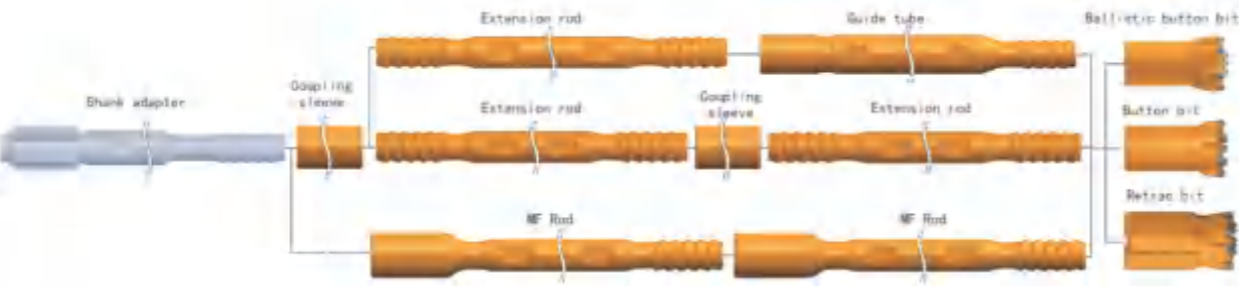
Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	207	8 1/16	66	2 3/8	T45	C20-6620-7777	3.1
 Reduction	207	8 1/16	66	2 3/8	T45/T38	C30-6620-7776	3.2
	207	8 1/16	66	2 3/8	T45/T51	C30-6620-7877	3.2




T45 (1 3/4") equipment for surface drill rigs

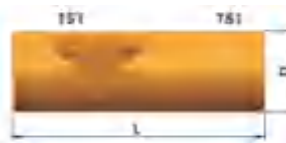
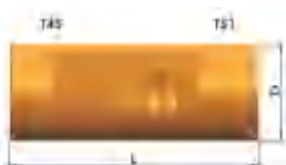
Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	76	3	7×12	4×11	35°	T45	A73-7611-7705	2.4
	76	3	7×12	4×11	35°	T45	A73-7611-7765	2.4
 Button	76	3	8×11	6×10	35°	T45	A73-7614-7705	2.6
	76	3	8×11	6×10	40°	T45	A73-7614-7764	2.6
 Button	89	3 1/2	8×13	5×13	35°	T45	A73-8913-7705	3.8
	89	3 1/2	8×13	6×13	35°	T45	A73-8914-7765	3.8
 Button	89	3 1/2	9×11	5×10	40°	T45	A73-8914-7704	4.7
	102	4	9×12	6×12	35°	T45	A73-0215-7705	6.7
 Button	76	3	8×11	6×10	30°	T45	A75-7614-7703	2.6
	89	3 1/2	8×12	6×11	35°	T45	A75-8914-7705	4.4
	102	4	8×13	7×12	40°	T45	A75-0215-7704	6.4
	76	3	8×11	6×10	35°	T45	A75-7614-7765	2.5
89	3 1/2	8×12	7×11	40°	T45	A75-8915-7764	4.4	
 Button/flat/retrac	76	3	8×11	4×10	35°	T45	A74-7612-7705	3.2
	76	2 1/2	8×11	4×10	40°	T45	A74-7612-7764	3.2
 Button/flat/retrac	89	3 1/2	9×11	6×10	35°	T45	A74-8915-7705	4.2
	102	4	9×12	6×12	35°	T45	A74-0215-7705	5.8
	89	3 1/2	9×12	6×10	40°	T45	A74-8915-7764	4.7
102	4	9×12	6×12	40°	T45	A74-0215-7764	6.4	
 Button/drop center/retrac	70	2 3/4	6×11	4×10	40°	T45	A76-7010-7704	2.2
	76	3	8×11	6×10	30°	T45	A76-7614-7703	2.6
	89	3 1/2	8×12	6×11	35°	T45	A76-8914-7705	3.8
	102	4	8×13	7×12	35°	T45	A76-0215-7705	5.3
	76	3	8×11	6×10	35°	T45	A76-7614-7765	2.6
89	3 1/2	8×12	7×11	40°	T45	A76-8915-7764	3.8	
102	4	8×13	7×12	40°	T45	A76-0215-7764	5.3	

Thread bit, Insert	D		Insert H×T	Thread	Product code	Weight kg
	mm	inch				
 X bit	89	3 1/2	25×14	T45	A68-8925-7710	5.0









T51 (2") equipment for surface drill rigs



Extension rod	L		D		Product code	Weight kg
	mm	foot/inch	mm	inch		
 T51-D52-T51	3660	12'	52	2	B80-5236-7878	50.8
	4265	14'	52	2	B80-5242-7878	59.5
	6095	20'	52	2	B80-5260-7878	85.6
 T51-D52-T51 MF rod	3660	12'	52	2	B90-5236-7878	53.9
	4265	14'	52	2	B90-5242-7878	62.6
	5335	17'6 1/8"	52	2	B90-5253-7878	77.7
	6095	20'	52	2	B90-5260-7878	88.8
 T51-D76-T51 Guide tube	1830	6'	76	3	B00-7618-7878	40.0
	3660	12'	76	3	B00-7636-7878	79.1

Coupling sleeve	L		D		Thread	Product code	Weight kg
	mm	foot/inch	mm	inch			
 Middle stop	235	9 1/4	72	2 27/32	T51	C20-7223-7878	4.0
	235	9 1/4	77	3 1/32	T51	C20-7723-7878	4.3
 Reduction	235	9 1/4	72	2 27/32	T51/T45	C30-7223-7878	4.2

T51 (2") equipment for surface drill rigs

Thread bit, Button	D		Buttons(No×Size.mm)		Gauge button angle	Thread	Product code	Weight kg
	mm	inch	Gauge	Centre				
 Button	89	3 1/2	9×11	6×10	35°	T51	A73-8915-7805	4.0
	102	4	9×12	6×12	35°	T51	A73-0215-7805	4.8
	115	4 1/2	6×13	6×12	35°	T51	A73-1515-7805	5.8
	127	5	6×14	6×13	35°	T51	A73-2715-7805	8.0
 Button	89	3 1/2	9×11	6×10	40°	T51	A73-8915-7864	4.8
 Button	89	3 1/2	8×12	6×11	35°	T51	A75-8914-7805	4.0
	102	4	8×13	7×12	35°	T51	A75-0215-7805	6.6
	115	4 1/2	8×14	7×13	35°	T51	A75-1515-7805	7.0
	127	5	8×14	7×14	35°	T51	A75-2715-7805	9.4
 Button	89	3 1/2	8×11	7×11	40°	T51	A75-8915-7864	4.0
	102	4	8×13	7×12	40°	T51	A75-0215-7864	6.6
 Button/flat/retrac	89	3 1/2	9×11	6×10	35°	T51	A74-8915-7805	4.9
	102	4	9×12	6×12	35°	T51	A74-0215-7805	7.1
	115	4 1/2	9×13	6×12	35°	T51	A74-1515-7805	9.5
 Button/flat/retrac	89	3 1/2	9×11	6×10	40°	T51	A74-8915-7864	4.9
 Button/drop center/retrac	89	3 1/2	8×12	6×11	35°	T51	A76-8914-7805	4.7
	102	4	8×13	7×12	35°	T51	A76-0215-7805	5.3
	115	4 1/2	8×14	7×13	35°	T51	A76-1515-7805	7.0
	127	5	8×14	7×14	35°	T51	A76-2715-7805	8.0
 Button/drop center/retrac	89	3 1/2	8×12	7×11	40°	T51	A76-8915-7864	4.7
	102	4	8×13	7×12	40°	T51	A76-0215-7864	5.3
	115	4 1/2	8×14	7×13	40°	T51	A76-1515-7864	7.0

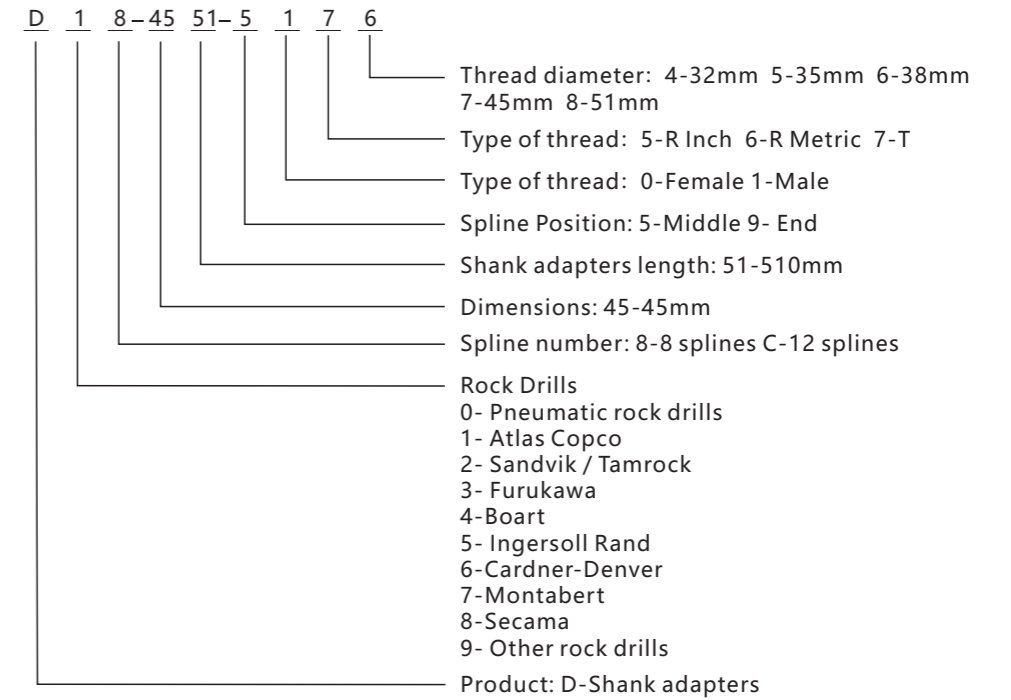


### Shank adapters

Shank adapters are connected with drill and drill tool parts, divided into the guide pneumatic rock drill tail and hydraulic rock drill two types. At present, various models of pneumatic rock drills and hydraulic rock drills have reached more than 200 models. Different models of rock drilling machines need to select the different structure of the drill shank.




### Product code example

Shank adapters



## Shank adapters

### ShankPneumatic rock drill






Shank adapters	L	D	Thread	Product code	Weight kg
	mm	mm			
	320	32	R32	D02-3232-5154	1.8
	320	32	R32	D02-3232-5164	1.8
	350	32	R32	D02-3235-5154	1.9
	350	32	R32	D02-3235-5164	1.9
	380	32	R32	D02-3238-5154	2.3
	380	32	R32	D02-3238-5164	2.3
	320	38	R32	D01-3832-5154	2.7
	320	38	R32	D01-3832-5164	2.7
	330	38	R32	D01-3833-5154	2.9
	330	38	R32	D01-3833-5164	2.9
	380	38	R32	D01-3838-5154	3.1
	380	38	R32	D01-3838-5164	3.1
	330	38	R32	D02-3833-5154	2.7
	330	38	R32	D02-3833-5164	2.7
	380	38	R32	D02-3838-5154	2.8
	380	38	R32	D02-3838-5164	2.8

### Atlas Copco

Atlas Copco Shank adapters	L	D	Thread	Product code	Weight kg
	mm	mm			
	550	45	R28	D18-4555-5153	4.9
	550	45	R32	D18-4555-5154	5.1
	550	45	R35	D18-4555-5155	5.2
	550	45	R38	D18-4555-5156	5.4
	510	45	R32	D18-4551-5154	4.7
	510	45	T38	D18-4551-5176	5.0
	485	38	R32	D18-3848-5154	4.0
	485	38	R35	D18-3848-5155	4.1
	485	38	R38	D18-3848-5156	4.3
	485	38	T38	D18-3848-5176	4.2
	500	38	R32	D18-3850-5154	4.0
	500	38	T38	D18-3850-5176	4.4
	500	45	T45	D18-3850-5177	5.0







## Shank adapters

### Atlas Copco

Atlas Copco Shank adapters	L	D	Thread	Product code	Weight kg	
	mm	mm				
	575	38	R32	D18-3857-5154	4.6	
	575	38	R35	D18-3857-5155	4.7	
	575	38	R38	D18-3857-5156	4.9	
	575	38	T38	D18-3857-5176	4.8	
	575	45	R32	D18-4557-5154	5.2	
	575	45	R38	D18-4557-5156	5.4	
	575	45	T38	D18-4557-5176	5.4	
	575	45	T45	D18-4557-5177	5.8	
		435	38	R32	D18-3843-9154	3.6
		435	38	R38	D18-3843-9156	3.9
435		38	T38	D18-3843-9176	3.8	
	525	38	R32	D18-3852-9154	4.5	
	525	38	R35	D18-3852-9155	4.6	
	525	38	R38	D18-3852-9156	4.7	
	525	38	T38	D18-3852-9176	4.7	
	525	52	T38	D18-5252-9176	5.9	
	525	52	T45	D18-5252-9177	6.1	
	525	52	T51	D18-5252-9178	6.5	
		525	38	R32	D18-3852-9154	4.5
525		38	T38	D18-3852-9176	4.7	
	565	52	T38	D18-5256-9176	6.6	
	565	52	T45	D18-5256-9177	6.8	
	565	52	T51	D18-5256-9178	7.2	





## Shank adapters

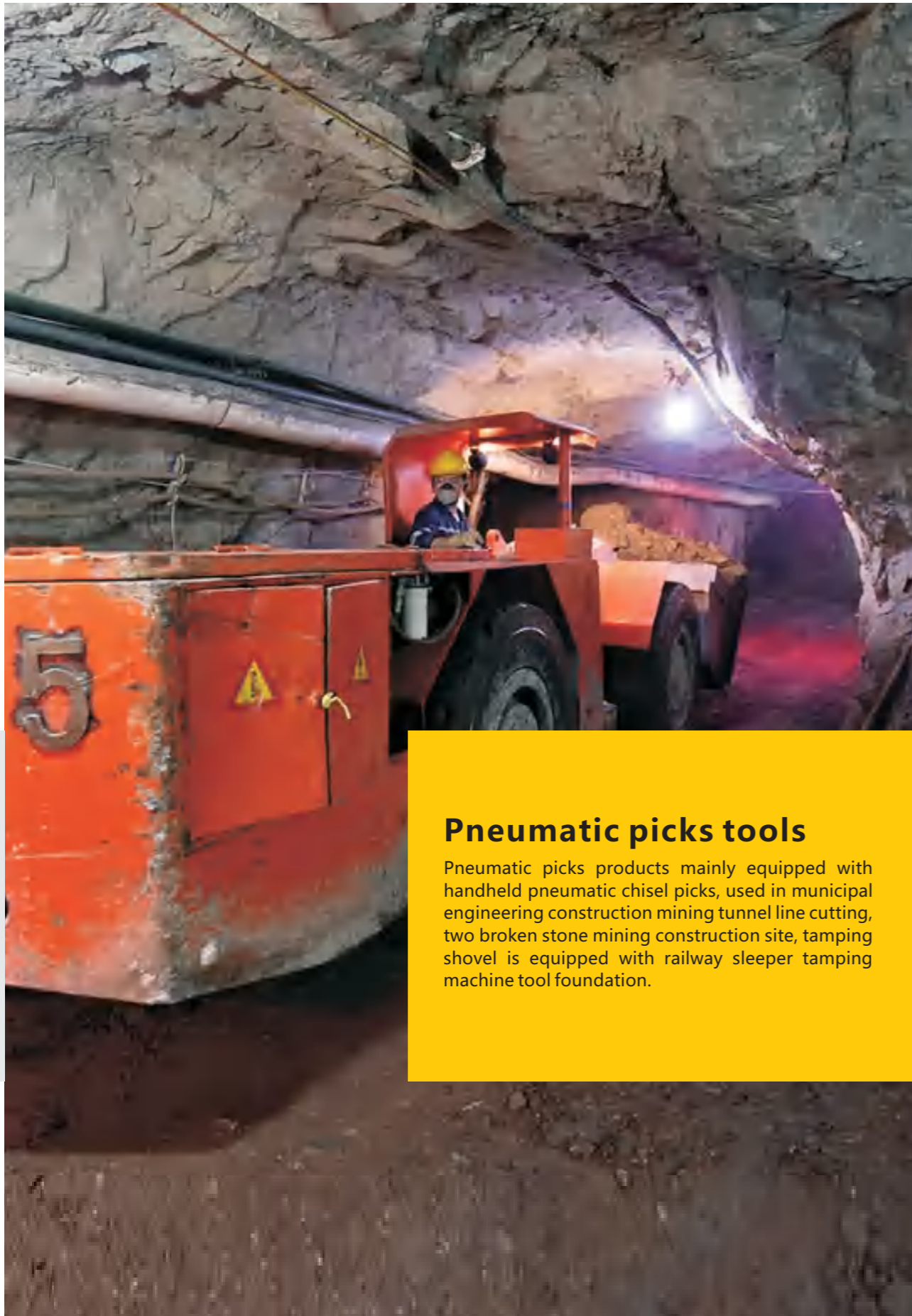
### Sandvik Tamrock

Shank adapters	L	D	Thread	Product code	Weight kg
	mm	mm			
Tamrock438, 538 	430	38	R32	D24-3843-5154	4.4
Tamrock HL500 	550	45	T38	D28-4555-9176	5.3
	550	45	T45	D28-4555-9177	6.0
Tamrock HL500, HL500s 	460	38	R32	D28-3846-9154	3.9
	460	38	R38	D28-3846-9156	4.2
	460	38	T38	D28-3846-9176	4.2
Tamrock HL600, HL600s 	600	44.8	R32	D28-4460-5154	5.8
	600	44.8	T38	D28-4460-5176	6.0
	600	44.8	T45	D28-4460-5177	6.4
Tamrock HL700, HL800 	600	44.7	T45	D28-4460-5177	7.2
	600	51.5	T38	D28-5160-5176	8.0
	600	51.7	T45	D28-5160-5177	8.5
	600	51.7	T51	D28-5160-5178	8.7
Tamrock HI1000 	590	51.8	T51	D28-5159-5178	9.3
	670	51.8	T45	D28-5167-5177	10.0
	670	51.8	T51	D28-5167-5178	10.2

## Shank adapters

### Furukawa

Shank adapters	L	D	Thread	Product code	Weight kg
	mm	mm			
Furukawa HD300 	654	44.7	T38	D36-4465-5176	6.5
	654	44.7	T45	D36-4465-5177	6.8
Furukawa HD609 	690	44.7	T38	D38-4469-5176	7.6
	620	44.7	T45	D38-4462-5177	7.4
Furukawa HD612 	715	50.8	T45	D38-5071-5177	8.3
	884	50.8	T45	D38-5088-5177	9.6
Furukawa Hd615 	700	57.8	T45	D38-5770-9177	8.2
	700	57.8	T51	D38-5770-9178	8.7



### Pneumatic picks tools

Pneumatic picks products mainly equipped with handheld pneumatic chisel picks, used in municipal engineering construction mining tunnel line cutting, two broken stone mining construction site, tamping shovel is equipped with railway sleeper tamping machine tool foundation.

### Product code example


#### Pneumatic picks

E 9 6-500 2-32 04



- Pick design: 00-Point 01-Chisel 04-Speedibust point 45-45mm 10-100mm
- Shank diameter: 32-32mm
- Shank length: 0-160mm 1-81mm 2-152mm 3-83mm 4-74mm 5-80mm 6-56mm 8-108mm 9-159mm
- Rod length: 500-500mm
- Rod section: 0- Round 1-Round rod/Hex shank 6-Hex 7-Hex rod/Round shank
- Type of tools: 7-Railway tamping shovel 9-Picks
- Product: E-Pneumatic picks

## Pneumatic picks, Railway tamping shovel

### Pneumatic picks

Pick	Φ (S)	L	Product code	Weight kg
	mm	mm		
 Φ26×56 Shank	26	415	E90-4156-2604	1.7
	26	415	E90-4156-2601	1.7
 Φ28×81 Shank	28	445	E90-4451-2804	1.9
	28	445	E90-4451-2801	1.9
	28	600	E90-6001-2804	2.9
	28	600	E90-6001-2801	2.9
 S22×108 Shank	22	433	E96-4338-2204	1.4
	22	450	E96-4508-2201	1.5
	22	533	E96-5338-2204	1.7
 S25×152 Shank	25	300	E96-3002-2504	1.3
	25	400	E96-4002-2501	1.7
	25	500	E96-5002-2504	2.2
	25	558	E96-5582-2501	2.4
	25	718	E96-7182-2504	3.1
 S28×108 Shank	28	600	E96-6008-2801	3.2
	28	762	E96-7628-2804	4.0
 S32×152 Shank	32	500	E96-5002-3204	3.5
	32	600	E96-6002-3201	4.2
	32	700	E96-7002-3204	4.9
	32	800	E96-8002-3201	5.6
 Φ24×83 Shank	24	400	E97-4003-2435	2.3
	24	500	E97-5003-2445	2.7
	24	600	E97-6003-2475	3.1

### Railway tamping shovel

Railway tamping shovel	Φ (S)	L	W	Product code	Weight kg
	mm	mm	mm		
 Φ28×80 Shank	28	515	80	E70-5155-2880	3.9
	28	550	85	E70-5505-2885	4.2
 S32×160 Shank	32	570	100	E76-5700-3210	4.9

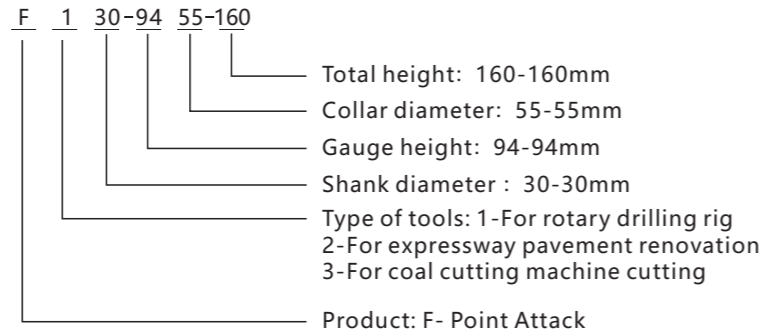


### Point Attack Tools

Point Attack tools products are mainly divided into engineering rotary drilling rig tools, expressway cold milling machine cutter and coal mining cutting machine cutting tools, is the tunneling in soft rock mining, roadway excavation, building and bridge foundation construction, engineering of expressway pavement renovation and extensive use of drilling tools.

Product code example

Point Attack



Rotary drilling rig tools

Point Attack

Rotary drilling rig tools	d	l	D	L	Product code	Weight kg
	mm	mm	mm	mm		
	19.4	62	27	108	F119-4627-108	0.3
	22	62	27	108	F122-4627-108	0.3
	30	94	55	160	F130-9455-160	1.2
	38	94	52	146	F138-9452-146	1.4
	51	94	67	174	F151-9467-174	2.7
	19.4	62	41	107	F119-6240-107	0.5
	22	62	37	107	F122-6236-107	0.5
	30	78	50	168	F130-7850-168	1.1
	38	88	54	140	F138-8854-140	1.4

Coal cutting machine tools

Point Attack

Coal cutting tool	d	l	D	L	Product code	Weight kg
	mm	mm	mm	mm		
	25.2	57	32	125	F325-5732-125	0.5
	30	72	50	163	F330-7250-163	1.1
	34	64	50	138	F334-6450-138	1.1
	35	94	55	196	F335-9455-196	1.6
	38	71	60	171	F338-7160-171	1.7
	42	95	70	170	F342-9570-170	2.2
	52.5	93	70	177	F352-9370-177	2.9
	25.2	58	45	138	F325-5845-138	0.7
	30	76	50	156	F330-7650-156	1.1
	35	94	55	185	F335-9455-185	1.6

Expressway Pavement tools

Point Attack

Pavement tool	d	l	D	L	Product code	Weight kg
	mm	mm	mm	mm		
	18.7	62	27	110	F218-6227-110	0.3
	19.4	61	41	105	F219-6140-105	0.5
	22	56	41	103	F222-5640-103	0.5
	25.1	76	50	140	F225-7650-140	0.9