

HUNAN POWERDRILLS ROCK MACHINERY CO., LTD.

ROPE THREAD BUTTON BIT

Description of the model (for example: Thread bit R38-R25-7D-35-B8)

R38	-R25	-7D	-35	- B 8
"R38" means the diameter of the thread button bit is 38mm	"R" standard for rope thread and "25" means the diameter of pin thread of the bit is 32mm	"7" is the quantity of buttons for the whole thread button bit and "D" standard for doom buttons	"35" means the angle of the gauge bottom is 35°	"B" standard for gauge bottoms and "8" means the diameter of the gauge bottoms is 8mm



Technical specification

Model	Diameter of bit (mm)	Thread	Quantity of buttons * diameter of buttons		Gauge teeth angle (°)	Quantity of flushing holes		Weight (kg)
			Gauge	Front		Side	Front	
Z33-R22-7D-35-B7	33	R22	5 * 7	2 * 7	35	2	1	0.4
Z35-R25-7D-35-B8	35	R25	5 * 8	2 * 7	35	2	1	0.4
Z38-R25-7D-35-B8	38	R25	5 * 8	2 * 7	35	1	2	0.5
Z41-R25-7D-35-B9	41	R25	5 * 9	2 * 8	35	1	2	0.55
Z41-R28-7D-35-B9	41	R28	5 * 9	2 * 8	35	1	2	0.55
Z41-R32-7D-35-B9	41	R32	5 * 9	2 * 9	35	2	1	0.55
Z43-R32-9D-30-B9	43	R32	6 * 9	3 * 8	30	1	2	0.67
Z45-R28-9D-35-B10	45	R28	6 * 10	3 * 8	35	3	1	0.8
Z45-R32-9D-35-B10	45	R32	6 * 10	3 * 8	35	2	1	0.8
Z45-R32-9D-30-B9	45	R32	6 * 9	3 * 8	30	1	3	0.8
Z45-R32-9D-35-B10	45	R32	6 * 10	3 * 8	35	1	3	0.8
Z48-R32-9D-35-B10	48	R32	6 * 10	3 * 9	35	1	3	0.9
Z51-R32-9D-35-B10	51	R32	6 * 10	3 * 9	35	1	3	1.1
Z57-R32-9D-35-B11	57	R32	6 * 11	3 * 10	35	-	3	1.3
Z64-R32-9D-40-B12	64	R32	6 * 12	3 * 11	40	2	1	1.6
Z64-R32-12D-35-B10	64	R32	8 * 10	4 * 10	35	2	2	1.6
Z64-R38-9D-35-B12	64	R38	6 * 12	3 * 11	35	2	1	1.6
Z76-R32-12D-35-B12	76	R32	6 * 12	6 * 12	35	1	2	2.7
Z76-R32-12D-35-B12	76	R32	8 * 12	4 * 12	35	2	2	2.7
Z76-R38-12D-35-B12	76	R38	8 * 12	4 * 12	35	2	2	2.3
Z89-R32-13D-35-B13	89	R32	8 * 13	5 * 12	35	-	3	2.9
Z89-R38-13D-35-B13	89	R38	8 * 13	5 * 12	35	2	2	3.3

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TROPEZOIDAL THREAD BUTTON BIT

Description of the model (for example: Thread bit Z76-T38-10D-40-B13)

R76	-T38	-10D	-40	- B13
"Z76" means the diameter of the thread button bit is 76mm	"T" standard for tropezoidal thread and "38" means the diameter of pin thread of the bit is 38mm	"10" is the quantity of buttons for the whole thread button bit and "D" standard for doom buttons	"40" means the angle of the guage bottom is 40°	"B" standard for guage bottoms and "13" means the diameter of the guage bottoms is 13mm



Technical specification

Model	Diameter of bit (mm)	Thread	Quantity of buttons * diameter of buttons		Gauge teeth angle (°)	Quantity of flushing holes		Weight (kg)
			Gauge	Front		Side	Front	
Z64-T38-9D-40-B12	64	T38	6 * 12	3 * 11	40	2	1	1.6
Z64-T38-10D-35-B12	64	T38	6 * 12	3 * 11 + 1 * 9	35	-	3	1.6
Z64-T38-12D-35-B10	64	T38	8 * 10	4 * 10	35	1	2	1.6
Z76-T38-12D-35-B12	76	T38	8 * 12	4 * 12	35	1	2	2.4
Z76-T38-10D-40-B13	76	T38	6 * 13	4 * 12	40	1	2	2.45
Z76-T45-12D-35-B12	76	T45	8 * 12	4 * 12	35	2	4	2.5
Z76-T45-13D-35-B12	76	T45	8 * 12	5 * 11	35	1	4	2.5
Z89-T38-14D-35-B12	89	T38	8 * 12	4 * 12 + 2 * 10	35	-	4	3
Z89-T38-13D-35-B13	89	T38	8 * 13	5 * 12	35	1	4	3.25
Z89-T45-14D-35-B13	89	T45	8 * 13	4 * 12 + 2 * 10	35	-	4	3.3
Z89-T45-13D-35-B13	89	T45	8 * 13	5 * 12	35	1	4	3.4
Z89-T51-14D-35-B13	89	T51	8 * 13	4 * 12 + 2 * 10	35	-	4	3.4
Z89-T51-13D-40-B13	89	T51	8 * 13	5 * 12	35	-	4	3.4
Z92-GT60-14D-35-B14	92	GT60 / GW60	8 * 14	6 * 12	35	-	4	5.8
Z102-T45-14D-35-B14	102	T45	8 * 14	4 * 12 + 2 * 10	35	-	4	4.2
Z102-T45-18D-35-B13	102	T45	9 * 13	9 * 11	35	-	3	4.3
Z102-T51-14D-35-B14	102	T51	8 * 14	4 * 12 + 2 * 11	35	-	4	4.2
Z102-T51-18D-35-B13	102	T51	9 * 13	9 * 11	35	-	3	4.5
Z102-GT60-18D-35-B14	102	GT60 / GW60	9 * 14	9 * 12	35	-	3	6.5
Z115-T45-15D-35-B14	115	T45	8 * 14	4 * 14 + 3 * 12	35	-	4	5.5
Z115-T45-19D-35-B14	115	T45	9 * 14	10 * 12	35	-	3	5.8
Z115-T51-16D-35-B14	115	T51	8 * 14	4 * 14 + 4 * 12	35	-	4	5.5
Z127-T45-19D-35-B15	127	T45	9 * 15	10 * 13	35	-	3	7.1
Z165-GT60-21D-35-B16	165	GT60 / GW60	9 * 16	12 * 16	35	-	3	15

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RETRAC THREAD BUTTON BIT

Description of the model (for example: Thread bit R76-T38-10D-35-B11)

R76	-T38	-10D	-35	- B11
"R76" means the diameter of the thread button bit is 76mm	"T" standard for tropezoidal thread and "38" means the diameter of pin thread of the bit is 38mm	"10" is the quantity of buttons for the whole thread button bit and "D" standard for doom buttons	"35" means the angle of the guage bottom is 35°	"B" standard for guage bottoms and "11" means the diameter of the guage bottoms is 11mm



Technical specification

Model	Diameter of bit (mm)	Thread	Quantity of buttons * diameter of buttons		Gauge teeth angle (°)	Quantity of flushing holes		Weight (kg)
			Gauge	Front		Side	Front	
R57-R32-9D-35-B11	57	R32	6 * 11	3 * 10	35	-	3	1.6
R64-R32-10D-35-B11	64	R32	6 * 11	3 * 11 + 1 * 9	35	1	3	2
R64-T38-9D-35-B12	64	T38	6 * 12	3 * 11	35	1	2	2
R64-T38-13D-35-B10	64	T38	8 * 10	4 * 10 + 1 * 9	35	-	4	2
R76-T38-10D-35-B11	76	T38	6 * 11	4 * 11	35	2	2	3.2
R76-T36-13D-35-B11	76	T38	8 * 11	4 * 11 + 1 * 11	35	-	4	3.2
R76-T45-13D-35-B12	76	T45	8 * 12	4 * 11	35	2	2	3.1
R76-T45-13D-35-B12	76	T45	8 * 12	4 * 11 + 1 * 11	35	-	4	3.1
R78-T38-13D-35-B12	78	T38	8 * 12	4 * 11 + 1 * 11	35	-	4	3.5
R89-R32-13D-35-B12	89	R32	8 * 12	5 * 11	35	-	2	4.8
R89-R32-14D-35-B12	89	R32	8 * 12	4 * 11 + 2 * 11	35	-	4	4.8
R89-T38-13D-35-B13	89	T38	8 * 13	5 * 12	35	2	2	4.1
R89-T38-14D-35-B12	89	T38	8 * 12	4 * 11 + 2 * 11	35	-	4	4.1
R89-T45-13D-35-B13	89	T45	8 * 13	5 * 12	35	2	2	4.5
R89-T45-13D-35-B13	89	T45	8 * 13	4 * 12 + 1 * 12	35	-	4	4.5
R89-T51-13D-35-B13	89	T51	8 * 13	5 * 12	35	2	2	4.3
R89-T51-13D-35-B13	89	T51	8 * 13	4 * 13 + 1 * 12	35	-	4	4.3
R102-T45-15D-35-B12	102	T45	8 * 12	7 * 12	35	-	2	7.1
R102-T45-18D-35-B13	102	T45	9 * 13	9 * 11	35	-	3	6.5
R102-T45-14D-35-B14	102	T45	8 * 14	4 * 12 + 2 * 11	35	-	4	7.3
R102-T51-15D-35-B12	102	T51	8 * 12	7 * 11	35	-	2	6.5
R102-T51-18D-35-B13	102	T51	9 * 13	9 * 11	35	-	3	6.8
R102-T51-14D-35-B14	102	T51	8 * 14	4 * 12 + 2 * 11	35	-	4	6.8
R102-T45-14D-35-B14	102	T45	8 * 14	6 * 13	35	-	2	7.1
R115-T45-15D-35-B14	115	T45	8 * 14	4 * 13 + 3 * 12	35	-	4	7.8

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RETRAC THREAD BUTTON BIT

Technical specification

Model	Diameter of bit (mm)	Thread	Quantity of buttons * diameter of buttons		Gauge teeth angle (°)	Quantity of flushing holes		Weight (kg)
			Gauge	Front		Side	Front	
R115-T45-19D-35-B14	115	T45	9 * 14	10 * 12	35	-	3	7.9
R115-T51-19D-35-B14	115	T51	9 * 14	10 * 12	35	-	3	7.9
R115-T51-15D-35-B14	115	T51	8 * 14	7 * 13	35	-	2	8
R115-T51-14D-35-B14	115	T51	8 * 14	4 * 12 + 2 * 12	35	-	4	7.9
R127-T45-16D-35-B14	127	T45	8 * 14	8 * 13	35	-	2	11
R127-T45-19D-35-B15	127	T45	9 * 15	10 * 13	35	-	3	12.3
R127-T51-19D-35-B15	127	T51	9 * 15	10 * 13	35	-	3	12.3
R127-T51-16D-35-B15	127	T51	8 * 15	8 * 13	35	-	2	12
R127-T51-20D-35-B14	127	T51	8 * 14	8 * 14 + 4 * 12	35	-	4	12

REAMING BUTTON BIT

Description of the model (for example: Thread bit ZK76-R32-12S-35-B12-40)

ZK76	-R38	-12S	-35	-B12	-40
"ZK76" means the diameter of the reaming button bit is 76mm	"R" standard for rope thread and "38" means the diameter of pin thread of the bit is 38mm	"12" is the quantity of buttons for the whole thread button bit and "S" standard for spherical buttons	"35" means the angle of the gauge button is 35°	"B" standard for gauge buttons and "12" means the diameter of the gauge buttons is 12mm	"40" means the pilot head of the reaming button bit is



Technical specification

Model	Diameter of bit (mm)	Thread	Quantity of buttons * diameter of buttons		Gauge teeth angle (°)	Quantity of flushing holes		Weight (kg)
			Gauge	Front		Side	Front	
ZK76-R28-12S-35-B12	76	R28	9 * 12	2 * 10 + 1 * 9	35	3	1	1.8
ZK76-R28-12S-35-B12-40	76	R28	9 * 12	3 * 10	35	3	1	2
ZK76-R32-12S-35-B12	76	R32	9 * 12	3 * 10	35	3	1	1.8
ZK76-R32-12S-35-B12-40	76	R32	9 * 12	3 * 10	35	3	1	2
ZK89-R32-15S-35-B12	89	R32	12 * 12	3 * 10	35	2	1	2.5
ZK89-R32-15S-35-B12-40	89	R32	12 * 12	3 * 10	35	2	1	2.7
ZK102-R32-15S-35-B13	102	R32	12 * 13	2 * 13 + 1 * 11	35	2	1	3.5
ZK102-R32-18S-35-B12-40	102	R32	14 * 12	4 * 8	35	2	1	3.8
ZK127-T38-17S-35-B14	127	T38	14 * 14	2 * 12 + 1 * 11	35	2	1	4.8
ZK127-T38-17S-35-B14-40	127	T38	14 * 14	3 * 10	35	2	1	5.3

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SHANK ADAPTER

Description of the model (for example: Thread bit L525-T38-38-COP1838HE)



L525	-T38	-38	-COP1838HE
"L525" means the length of shank adapter is 525mm	"T" standard for tropezoidra thread and "38" means the diameter of pin thread is 38mm	It means the diameter of strike face is 38mm	It means the shank adapter matched with COP1838HE drifter



Technical specification

Model	Length (mm)	Thread	Diameter of strike face (mm)	Weight (kg)
L540-T45-35-COP1838HE	540	T45	35	6.32
L435-T38-38-COP1838HE	435	T38	38	4
L525-T38-38-COP1838HE	525	T38	38	5.71
L540-T45-38-COP1838HE	540	T45	38	6.8
L435-R38-38-COP1838HE	435	R38	38	3.8
L525-T38-38-COP1838HE	525	T38	38	5.71
L360-T38-44.5-Furukawa PCR200	360	T38	44.5	3.6
L430-T38-44.5-Furukawa PCR200	430	T38	44.5	4.45
L445-T38-44.5-Furukawa PCR200	445	T38	44.5	4.62
L380-T38-44.5-Furukawa PCR200	380	T38	44.5	3.9
L500-R32-37-Tamrock HLX5	500	R32	37	5
L500-T38-37-Tamrock HLX5	500	T38	37	5.4
L500-R38-37-Tamrock HLX5	500	R38	37	5
L575-T45-37-Tamrock HLX5	575	T45	37	6.3
L575-T38-37-Tamrock HLX5	575	T38	37	6.1
L435-T38-38.1-COP1440	435	T38	38.1	4.1
L435-R38-37.91-COP1440	435	R38	37.91	3.8
L525-T38-51.94-COP1440	525	T38	51.94	7.2
L525-T45-51.94-COP1440	525	T45	51.94	7.2
L525-T51-51.94-COP1440	525	T51	51.94	7.2
L620-T38-44.75-HD609	620	T38	44.75	7.8
L620-T45-44.75-HD609	620	T45	44.75	7.9
L690-T38-44.75-HD609	620	T38	44.75	8.2
L540-T38-51.94-COP1550/1838HO/ME/HE	540	T38	51.94	7.3
L540-T45-51.94-COP1550/1838HO/ME/HE	540	T45	51.94	7.3
L540-T51-51.94-COP1550/1838HO/ME/HE	540	T51	51.94	7.3
L770-T51-51.94-COP1550/1838HO/ME/HE	770	T51	51.94	10.1

COUPLING SLEEVE



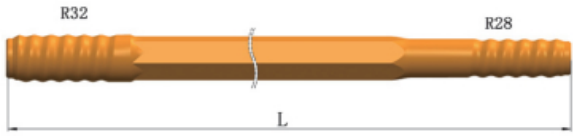
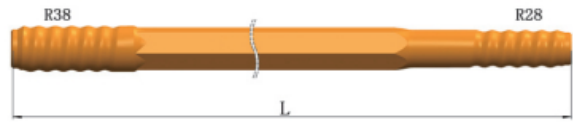
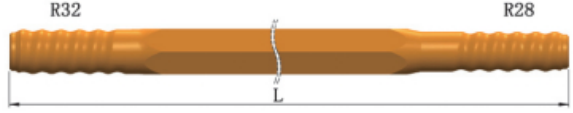
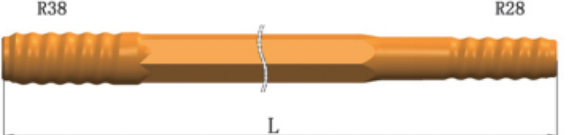
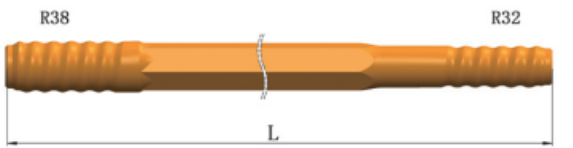
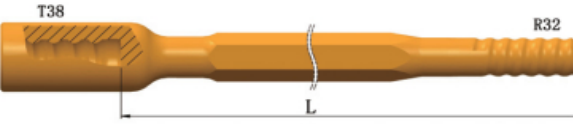
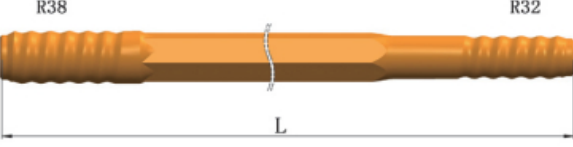
Technical specification

Model	Thread A	Thread B	Outer diameter		Length		Weight (kg)
			mm	inch	mm	inch	
R32-R25 COUPLING SLEEVE	R32	R25	45	1 3/4"	170	6 57/64"	1
R32-R28 COUPLING SLEEVE	R32	R28	45	1 3/4"	170	6 57/64"	0.95
R38-R65 COUPLING SLEEVE	R38	R65	55	2 5/32"	180	7 1/8"	1.85
T38-R32 COUPLING SLEEVE	T38	R32	55	2 5/32"	180	7 1/8"	2
T38-R38 COUPLING SLEEVE	T38	R38	55	2 5/32"	190	7 33/64"	1.85
R38-R38 COUPLING SLEEVE	R38	R38	55	2 5/32"	170	6 57/64"	1.7
T38-T38 COUPLING SLEEVE	T38	T38	55	2 5/32"	190	7 33/64"	1.95
T45-T45 COUPLING SLEEVE	T45	T45	63	2 15/32"	210	8 17/67"	3.1
T45-T45 COUPLING SLEEVE	T45	T45	66	2 19/32"	210	8 17/67"	3.5
T51-T51 COUPLING SLEEVE	T51	T51	72	2 7/8"	235	9 1/4"	5.2
T51-T51 COUPLING SLEEVE	T51	T51	76	3"	235	9 1/4"	5.7

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DRIFTER ROD (DRIFTING AND TUNNELING)

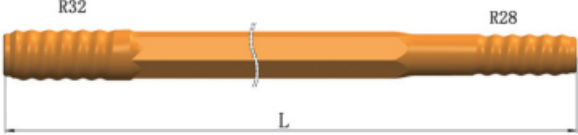
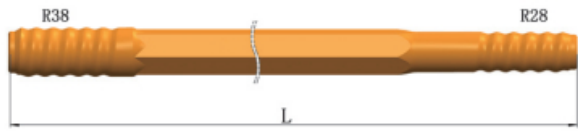
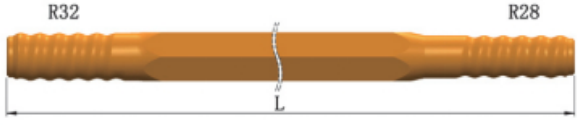
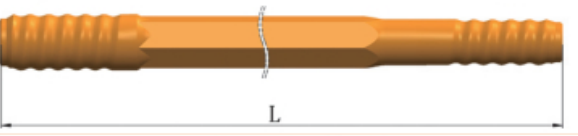
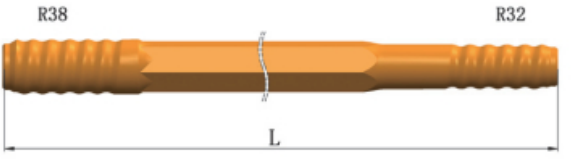
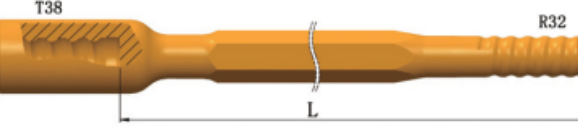
Technical specification

Drifter rod	Length of drifter rod		Diameter of Hex		Weight (kg)
	mm	foot inch	mm	inch	
R32-Hex28-R28 	2600	8' 6 3/8"	28	1 1/8	13
	3090	10' 1 5/8"	28	1 1/8	15.9
	3700	12' 1 5/8"	28	1 1/8	18.5
	4005	13' 1 43/43"	28	1 1/8	20.5
	4265	13' 11 1/2"	28	1 1/8	21.3
	4305	14' 1 31/64"	28	1 1/8	21.5
R38-Hex28-R28 	3700	12' 1 1/2"	28	1 1/8	18.5
	4305	14' 1 31/64"	28	1 1/8	21.5
R32-Hex32-R28 	3090	10' 1 5/8"	32	1 1/4	19.6
R38-Hex32-R28 	3090	10' 1 21/32"	32	1 1/4	19.7
	3700	12' 1 1/2"	32	1 1/4	23.6
	4305	14' 1 31/64"	32	1 1/4	27.3
R38-Hex35-R32 	3090	10' 1 5/8"	35	1 5/8	24
	3700	12' 1 1/2"	35	1 5/8	28.7
	4305	14' 1 31/64"	35	1 5/8	33.7
	4915	16' 1 1/2"	35	1 5/8	38.2
	5525	18' 1 33/64"	35	1 5/8	43.1
T38-Hex35-R32 MF rod 	3700	12' 1 1/2"	35	1 5/8	29.4
	4305	14' 1 31/64"	35	1 5/8	34.4
	4915	16' 1 1/2"	35	1 5/8	38.9
	5525	18' 1 33/64"	35	1 5/8	43.8
T38-Hex35-R32 	3090	10' 1 5/8"	35	1 5/8	23.9
	3700	12' 1 1/2"	35	1 5/8	28.6
	4305	14' 1 31/64"	35	1 5/8	33.6
	4915	16' 1 1/2"	35	1 5/8	38.3
	5525	18' 1 33/64"	35	1 5/8	43.2
	6135	20' 1 1/2"	35	1 5/8	47.9

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DRIFTER ROD (DRIFTING AND TUNNELING)

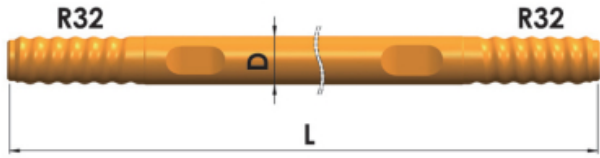
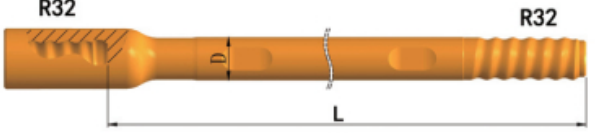
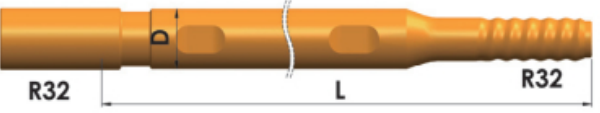
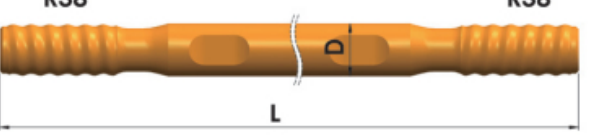
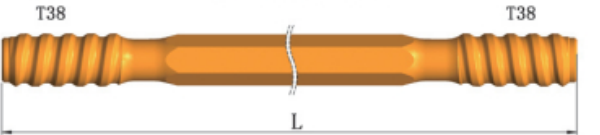
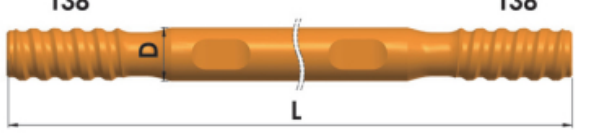
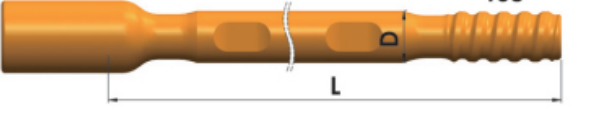
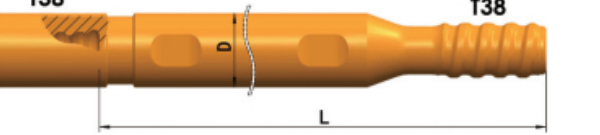
Technical specification

Drifter rod	Length of drifter rod		Diameter of Hex		Weight (kg)
	mm	foot inch	mm	inch	
R32-Hex28-R28 	2600	8' 6 3/8"	28	1 1/8	13
	3090	10' 1 5/8"	28	1 1/8	15.9
	3700	12' 1 5/8"	28	1 1/8	18.5
	4005	13' 1 43/43"	28	1 1/8	20.5
	4265	13' 11 1/2"	28	1 1/8	21.3
	4305	14' 1 31/64"	28	1 1/8	21.5
R38-Hex28-R28 	3700	12' 1 1/2"	28	1 1/8	18.5
	4305	14' 1 31/64"	28	1 1/8	21.5
R32-Hex32-R28 	3090	10' 1 5/8"	32	1 1/4	19.6
R38-Hex32-R28 	3090	10' 1 21/32"	32	1 1/4	19.7
	3700	12' 1 1/2"	32	1 1/4	23.6
	4305	14' 1 31/64"	32	1 1/4	27.3
R38-Hex35-R32 	3090	10' 1 5/8"	35	1 5/8	24
	3700	12' 1 1/2"	35	1 5/8	28.7
	4305	14' 1 31/64"	35	1 5/8	33.7
	4915	16' 1 1/2"	35	1 5/8	38.2
	5525	18' 1 33/64"	35	1 5/8	43.1
T38-Hex35-R32 MF rod 	3700	12' 1 1/2"	35	1 5/8	29.4
	4305	14' 1 31/64"	35	1 5/8	34.4
	4915	16' 1 1/2"	35	1 5/8	38.9
	5525	18' 1 33/64"	35	1 5/8	43.8

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DRIFTER ROD (BENCH DRILLING)

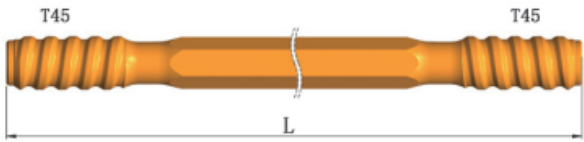
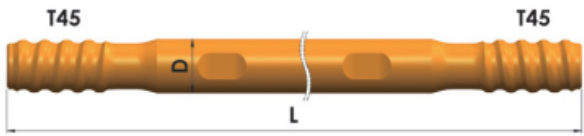
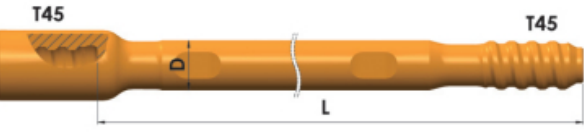
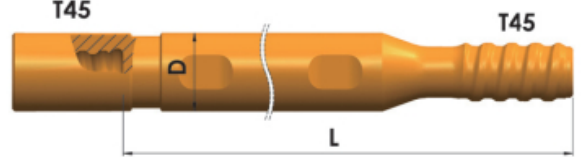
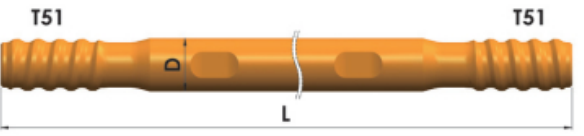
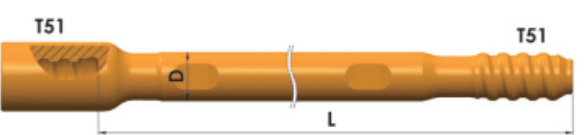
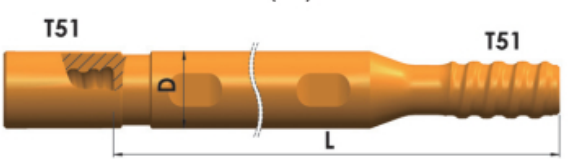
Technical specification

Drifter rod	Length of drifter rod		Diameter of Hex		Weight (kg)
	mm	foot inch	mm	inch	
R32-Round32-R32	2435	8'	32	1 1/4	13.2
	3050	10'	32	1 1/4	16.6
	3660	12'	32	1 1/4	20
	4000	13' 1 1/2"	32	1 1/4	21.9
R32-Round32-R32 MF rod	2435	8'	32	1 1/4	14.6
	3050	10'	32	1 1/4	18.6
	3660	12'	32	1 1/4	21.1
	4265	14'	32	1 1/4	25.6
R32-Round46-R32 Guide tube	3050	10'	46	1 3/4	25
					
R38-Round39-R38	2435	8'	39	1 1/2	19.2
	3050	10'	39	1 1/2	24.3
T38-Hex32-T38	3050	10'	32	1 1/4	18.7
	3660	12'	32	1 1/4	22.4
T38-Round39-T38	3050	10'	39	1 1/2	24.8
	3660	12'	39	1 1/2	29.8
T38-Round39-T38 MF rod	3050	10'	39	1 1/2	26.3
	3660	12'	39	1 1/2	31.5
	4265	14'	39	1 1/2	36.9
T38-Round56-T38 Guide tube	3050	10'	56	2 1/8	28.3
	3660	12'	56	2 1/8	32.8

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DRIFTER ROD (BENCH DRILLING)

Technical specification

Drifter rod	Length of drifter rod		Diameter of Hex		Weight (kg)
	mm	foot inch	mm	inch	
T45-Hex38-T45 	3050	10'	38	1 1/2	25.2
	3660	12'	38	1 1/2	30.4
T45-Round46-T45 	3050	10'	46	1 3/4	34
	3660	12'	46	1 3/4	41
	4265	14'	46	1 3/4	47.9
	6095	20'	46	1 3/4	68.9
T45-Round46-T45 MF rod 	3050	10'	46	1 3/4	37.6
	3660	12'	46	1 3/4	43.5
	4265	14'	46	1 3/4	51.5
	5335	17' 6 1/8"	46	1 3/4	61.8
	6095	20'	46	1 3/4	70.6
T45-Round64(76)-T45 Guide tube 	3660	12'	64	2 1/2	49
	3660	12'	76	3	77.8
T51-Round52-T51 	3660	12'	52	2	50.8
	4265	14'	52	2	59.5
	6095	20'	52	2	85.6
T51-Round52-T51 MF rod 	3660	12'	52	2	53.9
	4265	14'	52	2	62.6
	5335	17' 6 1/8"	52	2	77.7
	6095	20'	52	2	88.8
T51-Round76(87)-T51 Guide tube 	3660	12'	76	3	79.1
	3660	12'	87	3 1/2	80
T60-D60-T60 	3660	12'	60	2 3/8	73
	4265	14'	60	2 3/8	82
	6095	20'	60	2 3/8	110