



## Bench & Long Hole Drilling Product Catalogue









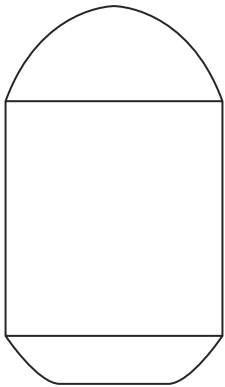
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# Information & classification

# Guides

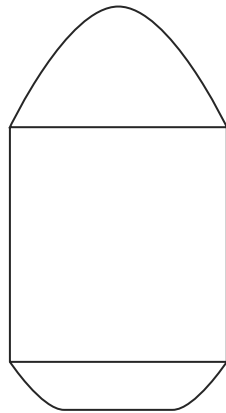
Guide

## Carbide profile design



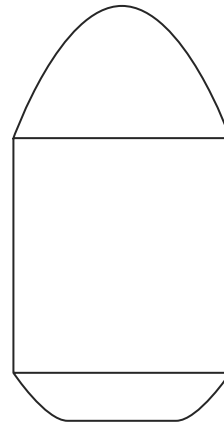
### Hemispherical

SEM = Semispherical button  
Usually for **very hard rocks**



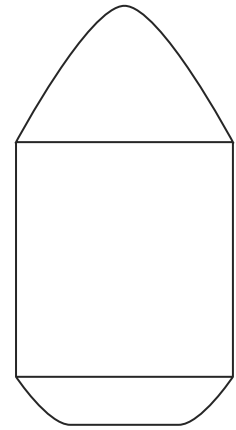
### Ballistic

BAL = Ballistic button  
Usually for **medium hard rocks**



### Parabolic/ Semiballistic

BAL = Parabolic button  
Usually for **medium hard rocks**



### Conical/Spike

CON = Conical carbide  
*on request*  
Usually for **soft rocks**

## Guide of product code

Thread bit (i.e. 3089T38F14R)

30	89	T38	F	14	D	R	K
30: Button bit 31: Chisel bit 32: Cross bit	Head diameter: 89 mm	Thread: T38	Flushing	Buttons	D: Drop center design	R: Retrac body	KP: Pilot bit KR: Reaming bit KD: Dome bit KC: Cut holes/ Dome bit

**Note:** Face flushing

Face + Side + Flushing

Face + Reverse + Flushing

## Guide of product code

### Drifter rod (i.e. 2132T38R3230)

21	32	T38	R32	30
20: Round 21: Hexagon	Rod diameter: 32 mm	T38: On shank end	R32: On bit end	Rod length: 30: 3050 mm

### Extension rod (i.e. 2038T3830)

20	38	T38	30
20: Round 21: Hexagon	Rod diameter: 38 mm	Thread: T38	Rod length: 30: 3050 mm

### MF rod (i.e. 2038T38MF30)

20	38	T38	MF	30
20: Round 21: Hexagon	Rod diameter: 38 mm	Thread: T38	MF rod	Rod length: 30: 3050 mm



### Drop center/Standard skirt

**Code:** D

Perfect in abrasive formations where there is accelerated button wear or in medium to hard rock when ballistic buttons have a tendency to break.



### Drop center/Retrac skirt

**Code:** DR

To be used in medium-hard and fissured rock formations, better hole deviation control.



### Flat front/Standard skirt

**Code:** –

Ideal for medium-hard rock when the rock formation causes heavy gauge wear on the bit. Can also be used in very hard and abrasive rock formations.



### Flat front/Retrac skirt

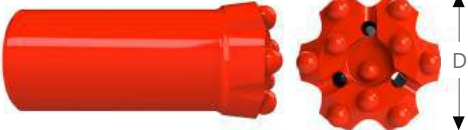






**Code:** R

To be used in the same applications as flat front/spherical buttons/standard skirt when you have also created a hole.

# Bench & long hole Drilling











T38 (1 1/2")  
Thread

Bench & long  
hole drilling

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	64	2 1/2	3×7	1×6	4×10	6×11	35°	M	3064T3810D
	64	2 1/2	3×7	1×6	3×11	6×12	35°	H	3064T38F09
	64	2 1/2	2×9	–	4×10	8×10	35°	H	3064T3812
	70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T3812
	76	3	2×9	2×7	4×11	8×12	35°	H	3076T3812
	89	3 1/2	2×13	2×8	5×12	8×13	35°	H	3089T3813
	76	3	2×10	2×7	4×11	8×12	35°	M	3076T38F12
	70	2 3/4	4×8	–	5×10	8×11	30°	M	3070T3813D
	76	3	4×8	–	5×11	8×12	35°	M	3076T3813D
	89	3 1/2	4×9	–	6×12	8×13	35°	M	3089T3814D
	64	2 1/2	3×7	1×6	3×11	6×12	35°	M	3064T38F09R


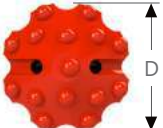






# T38 (1 1/2") Thread

Bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.		
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size					
		D	64	2 1/2	2×9	2×6	4×10	8×10	30°	M	3064T3812R
			70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T3812R
			76	3	2×9	2×7	4×12	8×12	35°	H	3076T3812R
		D	89	3 1/2	2×11	2×8	6×12	8×13	35°	H	3089T38F14R
		D	64	2 1/2	3×7	1×6	4×10	6×11	35°	M	3064T3810DR
		D	70	2 3/4	4×8	–	5×10	8×11	30°	M	3070T3813DR
			76	3	4×8	–	5×11	8×12	35°	M	3076T3813DR
			89	3 1/2	4×10	–	6×12	8×13	35°	M	3089T3814DR
		D	64	2 1/2	2×7	1×7	–	–	–	–	3264T38
			76	3	2×8	1×8	–	–	–	–	3276T38

Bench & long  
hole drilling

## Reaming tools

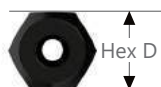
Dome bit 		D	89	3 1/2	2×9	2×8	1×12	14×12	35°	–	3089T3815KD
			102	5	2×9	2×9	1×12	14×12	35°	–	30102T3815KD
Dome bit 		D	127	5	4×8	2×9	1×14	16×14	35°	–	30127T3817KD
Cut holes/Dome bit 		D	127	5	2×13	2×11	10×13	8×14	35°	–	30127T3818KC

# Bench & long hole Drilling

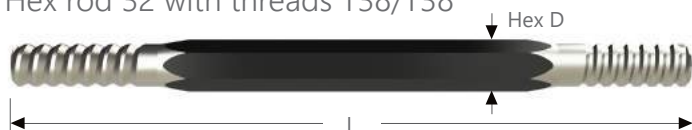
T38 (1 1/2")  
Thread

Bench & long  
hole drilling

## Drill rod

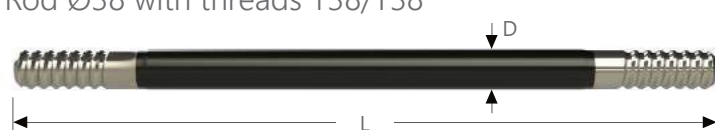


Hex rod 32 with threads T38/T38



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3050	10	-	32	1 1/4	2132T3830
3660	12	-	32	1 1/4	2132T3836

Rod Ø38 with threads T38/T38



3050	10	-	38	1 1/2	2038T3830
3660	12	-	38	1 1/2	2038T3836
4270	14	-	38	1 1/2	2038T3842
4880	16	-	38	1 1/2	2038T3848
5490	18	-	38	1 1/2	2038T3854

Rod Ø38 with threads T38/T38 (MF)



900	3	-	38	1 1/2	2038T38MF09
1220	4	-	38	1 1/2	2038T38MF12
1525	5	-	38	1 1/2	2038T38MF15
1830	6	-	38	1 1/2	2038T38MF18
2440	8	-	38	1 1/2	2038T38MF24
3050	10	-	38	1 1/2	2038T38MF30
3660	12	-	38	1 1/2	2038T38MF36

## Coupling

Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	

T38-T38



190	7	1/2	54	2 1/8	MX-T385419
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Crossover coupling T38-R32



188	7	1/2	54	2 1/8	MX-T38R325418
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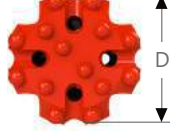







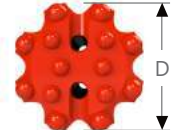

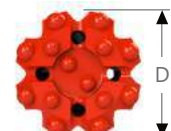
Crossover coupling T38-T45



215	8	1/2	66	2 1/2	MX-T38T456621
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# T45 (1 3/4") Thread

## Button bit

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
 	70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T4512
	76	3	2×9	2×7	4×11	8×12	35°	H	3076T4512
	89	3 1/2	2×13	2×8	5×12	8×14	35°	H	3089T4513
	102	4	2×13	–	6×13	8×14	35°	H	30102T4514
 	115	4 1/2	4×13	–	6×14	8×16	35°	H	30115T45F14
 	70	2 3/4	4×8	–	5×10	8×11	35°	M	3070T4513D
	76	3	4×8	–	5×11	8×12	35°	M	3076T4513D
 	89	3 1/2	4×9	–	6×12	8×14	35°	M	3089T4514D
	102	4	4×11	–	6×13	8×14	35°	M	30102T4514D
	115	4 1/2	4×13	–	6×14	8×16	35°	M	30115T4514D
 	70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T4512R
	76	3	2×9	2×7	4×12	8×12	35°	H	3076T4512R
 	89	3 1/2	2×11	2×8	6×12	8×14	35°	H	3089T45F14R
	102	4	4×11	–	6×13	8×14	35°	H	30102T45F14R
	115	4 1/2	4×13	–	6×14	8×16	35°	H	30115T45F14R
 	76	3	4×8	–	5×11	8×12	35°	M	3076T4513DR
	89	3 1/2	4×10	–	6×12	8×14	35°	M	3089T4514DR
	102	4	4×11	–	6×13	8×14	35°	M	30102T4514DR
	115	4 1/2	4×13	–	6×14	8×16	35°	M	30115T4514DR

Bench & long hole drilling

# Bench & long hole Drilling

T45 (1 3/4")  
Thread

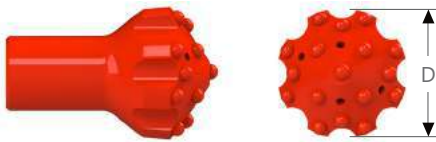
## Cross bit



Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
76	3	1×8	2×8	-	-	-	-	3276T45
89	3 1/2	1×9	2×9	-	-	-	-	3289T45

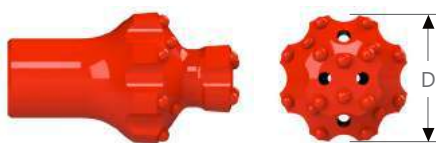
## Reaming tools

### Dome bit



127	5	4×8	2×9	1×14	16×14	35°	-	30127T4517KD
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### Cut holes/Dome bit



127	5	2×13	2×11	10×13	8×14	35°	-	30127T4518KC
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## Drill rod

### Rod Ø45 with threads T45/T45



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3050	10	-	45	1 3/4	2045T4530
3660	12	-	45	1 3/4	2045T4536
4270	14	-	45	1 3/4	2045T4542
4880	16	-	45	1 3/4	2045T4548
6100	20	-	45	1 3/4	2045T4561

### Rod Ø45 with threads T45/T45 (MF)



1525	5	-	45	1 3/4	2045T45MF15
1830	6	-	45	1 3/4	2045T45MF18
3050	10	-	45	1 3/4	2045T45MF30
3660	12	-	45	1 3/4	2045T45MF36
4270	14	-	45	1 3/4	2045T45MF42

# T45 (1 3/4") Thread

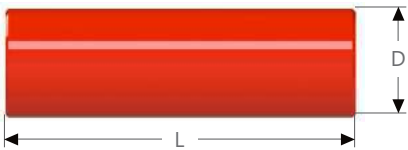
## Coupling

T45-45



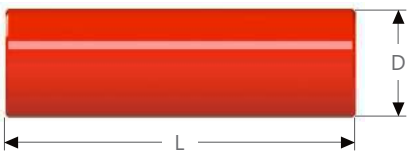
Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
207	8	1/8	66	2 3/5	MX-T456620

Crossover coupling T45-T38



215	8	1/2	66	2 1/2	MX-T45T386621
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Crossover coupling T45-T51



240	9	1/2	72	2 7/8	MX-T45T517224
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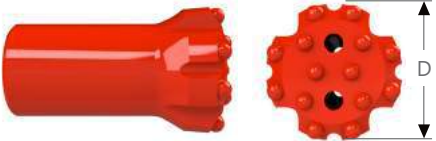

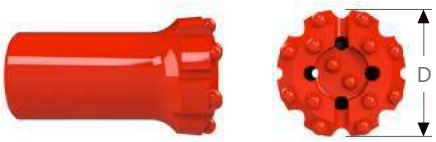
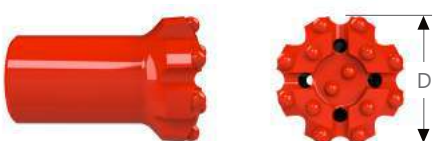
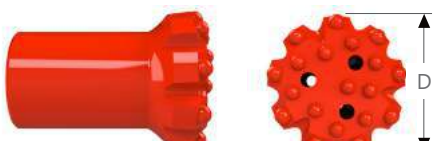


Bench & long  
hole drilling



# Bench & long hole Drilling

T51 (2")  
Thread

Bench & long  
hole drilling

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	89	3 1/2	2×12	2×7	6×12	8×14	35°	H	3089T5114
	102	4	2×14	-	6×13	8×14	35°	H	30102T5114
	115	4 1/2	4×13	-	6×14	8×16	35°	H	30115T51F14
	89	3 1/2	4×10	-	6×12	8×14	35°	M	3089T5114D
	102	4	4×11	-	6×13	8×14	35°	M	30102T5114D
	115	4 1/2	4×13	-	6×14	8×16	35°	M	30115T5114D
	127	5	3×13	-	10×14	9×16	35°	H	30127T5119
	127	5	3×13	-	9×14	9×14	35°	M	30127T5118D
	127	5	3×13	-	9×14	9×16	35°	H	30127T5118R

Button bit



Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
89	3 1/2	2×11	2×8	6×12	8×14	35°	H	3089T51F14R
102	4	4×11	-	6×13	8×14	35°	H	30102T51F14R
115	4 1/2	4×13	-	6×14	8×16	35°	H	30115T51F14R



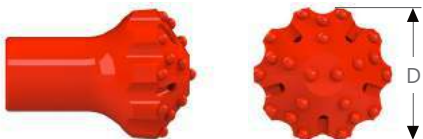
89	3 1/2	4×10	-	6×12	8×14	35°	M	3089T5114DR
102	4	4×11	-	6×13	8×14	35°	M	30102T5114DR
115	4 1/2	4×13	-	6×14	8×16	35°	M	30115T5114DR



127	5	3×13	-	9×14	9×14	35°	M	30127T5118DR
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Reaming tools

Dome bit



152	6	5×10	2×10	2×14	20×14	35°	-	30152T5122KD
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# Bench & long hole Drilling

T51 (2")  
Thread

## Drill rod

Rod Ø51 with threads T51/T51



Rod Ø51 with threads T51/T51 (MF)



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3660	12	-	51	2	2051T5136
4270	14	-	51	2	2051T5142
6100	20	-	51	2	2051T5161

1525	5	-	51	2	2051T51MF15
1830	6	-	51	2	2051T51MF18
3660	12	-	51	2	2051T51MF36
4270	14	-	51	2	2051T51MF42

Bench & long  
hole drilling

## Coupling

T51-T51



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
235	9	1/4	72	2 1/8	MX-T517223

T51-T51



235	9	1/4	77	3	MX-T517723
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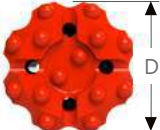

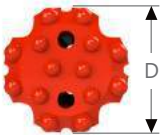

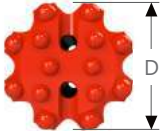

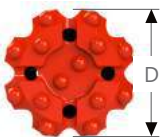
Crossover coupling T51-T45



240	9	1/2	72	2 7/8	MX-T51T457224
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# ST58 (2 1/4") Thread

## Button bit








		Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
		mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
		89	3 1/2	4×10	–	6×12	8×14	35°	M	3089ST5814D
		102	4	4×11	–	6×12	8×14	35°	M	30102ST5814D
		89	3 1/2	2×14	–	6×12	8×14	35°	H	3089ST5814
		102	4	2×15	–	6×13	8×14	35°	H	30102ST5814
		89	3 1/2	2×11	2×9	6×12	8×14	35°	H	3089ST58F14R
		102	4	2×12	2×9	6×12	8×14	35°	H	30102ST58F14R
		89	3 1/2	4×10	–	6×12	8×14	35°	M	3089ST5814DR
		102	4	4×11	–	6×12	8×14	35°	M	30102ST5814DR

Bench & long  
hole drilling

# Bench & long hole Drilling

GT60 (2 3/5")  
Thread


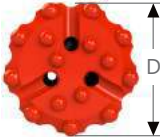

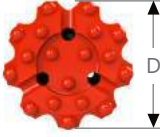
Bench & long  
hole drilling

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	102	4	4×11	–	6×13	8×14	35°	H	30102T6014D
	115	4 1/2	3×13	–	7×14	9×16	35°	H	30115T6016D
	92	3 5/8	3×11	–	6×12	9×12	35°	H	3092T60F15
	115	4 1/2	3×13	–	6×14	9×16	35°	H	30115T60F15
	127	5	3×14	–	9×14	9×16	35°	H	30127T6018D
	127	5	3×14	–	10×14	9×16	35°	H	30127T6019
	102	4	4×11	–	6×13	8×14	35°	H	30102T6014DR
	115	4 1/2	3×13	–	7×14	9×16	35°	H	30115T6016DR



# GT60 (2 3/5") Thread

## Button bit

		Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
		mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
		92	3 5/8	3×11	–	6×12	9×12	35°	H	3092T60F15R
		115	4 1/2	3×13	–	6×14	9×16	35°	H	30115T60F15R
		127	5	3×14	–	9×14	9×16	35°	H	30127T6018DR
		127	5	3×14	–	10×14	9×16	35°	H	30127T6019R

Bench & long  
hole drilling

## Drill rod

Rod Ø60 with threads GT60/GT60



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3660	12	–	60	2 3/5	2060T60MF36
4270	14	–	60	2 3/5	2060T60MF42
6100	20	–	60	2 3/5	2060T60MF61

# Bench & long hole Drilling

ST68 (2 3/4")  
Thread

Bench & long  
hole drilling

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	102	4	2×14	2×10	6×12	8×14	35°	H	30102ST6814
	115	4 1/2	3×13	-	7×14	9×16	35°	H	30115ST68F16
	127	5	3×14	-	10×14	9×16	35°	H	30127ST68F19
	115	4 1/2	3×13	2×9	6×14	9×16	35°	H	30115ST6815DR
	127	5	3×14	2×9	9×14	9×16	35°	H	30127ST6818DR
	115	4 1/2	3×13	-	6×14	9×16	35°	H	30115ST6815R
	127	5	3×14	-	10×14	9×16	35°	H	30127ST6819R

# Weight table & Index

Part no.	Weight (kg)	Page no.								
3064T3812	1.40	8	MX-T38R325418	2.20	10	3089T5114	3.50	14		
3070T3812	2.00			3.40		30102T5114	5.10			
3076T3812	2.30			3070T4512	2.10	11	30127T5119		8.70	
3089T3813	3.30				3076T4512		2.60		3089T5114D	3.20
3064T38F09	1.60				3089T4513		3.80		30102T5114D	4.90
3064T3810D	1.40				30102T4514		4.40		30115T5114D	6.60
3070T3813D	1.95				3070T4513D		2.00		30115T51F14	6.60
3076T38F12	2.30				3070T4512R		2.80		30127T5118D	10.70
3076T3813D	2.35				3076T4513D		2.25		30127T5118R	10.70
3089T3814D	3.25				3076T4512R		3.30		3089T51F14R	4.70
3064T38F09R	2.10	3089T4514D	3.60		30102T51F14R		7.10			
3264T38	1.90	3089T45F14R	5.60		30115T51F14R		10.10			
	3276T38	2.50	30115T4514D	6.60	3089T5114DR	4.90				
	3064T3812R	2.00	3076T4513DR	3.60	30102T5114DR	7.10				
	3070T3812R	2.80	30102T4514D	4.40	30115T5114DR	8.90				
	3076T3812R	2.70	30102T45F14R	7.60	30127T5118DR	8.50				
	3064T3810DR	2.10	30115T45F14	6.60	30152T5122KD	9.50				
	3070T3813DR	2.70	30115T45F14R	9.70	2051T5136	49.60				
	3076T3813DR	3.20	3089T4514DR	5.20		2051T5142	58.10			
	3089T38F14R	5.50	30102T4514DR	7.50		2051T5161	82.90			
	3089T3814DR	5.10	30115T4514DR	9.70		2051T51MF15	22.00			
3089T3815KD	3.30	3276T45	3.20	2051T51MF18		26.40				
30102T3815KD	5.40		3289T45	3.30		2051T51MF36	52.80			
30127T3817KD	7.70		2045T4530	34.10		2051T51MF42	61.60			
30127T3818KC	8.00		2045T4536	41.00		MX-T517223	4.40			
2038T3830	24.70		2045T4542	48.10		MX-T517723	5.50			
	2038T3836		29.40	2045T4548		54.90	MX-T51T457224	5.00		
	2038T3842		34.70	2045T4561	68.90	3089ST5814	4.00			
	2038T3848		39.70	2045T45MF15	18.40		30102ST5814	5.00		
	2038T3854		44.60	2045T45MF18	22.10		3089ST5814D	3.90		
	2132T3830		18.40	2045T45MF30	36.10		3089ST58F14R	4.90		
	2132T3836	22.10	2045T45MF36	43.30	30102ST5814D		4.90			
	2038T38MF09	8.00	2045T45MF42	50.20	3089ST5814DR		4.70			
	2038T38MF12	9.70	30127T4517KD	7.70	30102ST5814DR		7.40			
	2038T38MF15	13.30	30127T4518KC	8.80	30102ST58F14R		7.60			
2038T38MF18	16.00	MX-T456620	3.40	30127T6019	11.20					
2038T38MF24	21.30		MX-T45T386621		3.40		3092T60F15	5.20		
2038T38MF30	25.90		MX-T45T517224		5.00	30102T6014D	8.20			
2038T38MF36	30.70									
MX-T385419	2.00									

Part no.	Weight (kg)	Page no.
30115T6016D	9.80	18
30115T60F15	9.80	
30127T6018D	11.20	
30102T6014DR	8.90	
30115T6016DR	11.80	
2060T60MF61	110.00	19
2060T60MF36	73.00	
2060T60MF42	82.00	
3092T60F15R	6.10	
30115T60F15R	11.80	
30127T6018DR	14.20	
30127T6019R	14.20	
30102ST6814	5.80	20
30115ST68F16	7.80	
30115ST6815R	9.30	
30127ST68F19	10.20	
30127ST6819R	11.90	
30115ST6815DR	9.20	
30127ST6818DR	11.80	

# "Globe Drilling Industry Experts"

No matter what kinds of soft rock, loose-medium rock, hard rock and any other special formations, just tell us what you need, our special tailored service is waiting for you upon you demand.



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