



Long hole drilling underground




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Long hole drilling underground

R32 (1 1/4")

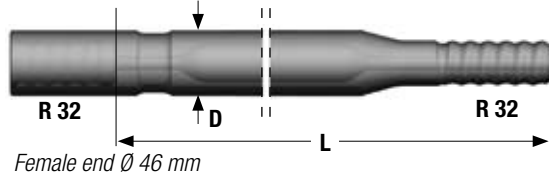
Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
Button bit									
	3x6	1x6	3x9	6x10	35°	51	2"	HMCA	7733-1651A-S48
	3x6	1x6	3x9	6x10	35°	51	2"	MSCAN	7733-1651A-R48
	3x6	1x6	3x10	6x11	35°	57	2 1/4"	HMCA	7733-1657A-S48
	3x7	–	3x11	6x12	30°	64	2 1/2"	HMCVA	7733-1664-S48
Button bit, Retrac									
	3x6	–	3x9	6x10	35°	51	2"	HMCFA	7733-4651-S48
	3x6	–	3x9	6x10	35°	51	2"	MSCFAN	7733-4651-R48
	3x8	–	3x11	6x12	30°	64	2 1/2"	HMCFVA	7733-4664-S48
Cross bit									
	1x5	2x7.5	–	–	–	51	2"	HMCFA	7733-1451-42
Guide bit									
	3x6	–	3x8	6x10	40°	51	2"	–	7733-8251-R48

R32 (1 1/4")

Long hole drilling underground

R32 (1 1/4")

Rods	Dimensions D						Part No.
	Bit dia. mm	L mm	ft	in	D mm	in	
Guide tube	51-64	1830	6'	–	46	1 3/4"	7953-4618-20



MF-rod, R32 - round 32 - R32							
	915	3'	–	32	1 1/4"	7853-5109-20	
	1220	4'	–	32	1 1/4"	7853-5112-20	
	1525	5'	–	32	1 1/4"	7853-5115-20	
	1830	6'	–	32	1 1/4"	7853-5118-20	

Flushing hole \varnothing 9.2 mm. Wrench flat 25.4 mm. Female end \varnothing 45 mm

Extension rod, R32 - round 32 - R32							
	915	3'	–	32	1 1/4"	7853-3309-20	
	1220	4'	–	32	1 1/4"	7853-3312-20	
	1525	5'	–	32	1 1/4"	7853-3315-20	
	1830	6'	–	32	1 1/4"	7853-3318-20	

Flushing hole \varnothing 11.7 mm. Wrench flat 25.4 mm

Coupling sleeve R32							
	150	–	5 29/32"	44	1 47/64"	7993-3644	

Pilot adapter	Thread	Dimensions D					Part No.
		L mm	ft	in	D mm	in	
Pilot adapter for reaming of 51 mm (2") pilot holes	R32	–	–	–	47	1 7/8"	7823-3647



Reamer	Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size		mm	in		
Reaming bit	4x12	8x12	35°	102	4"	–	7723-4802-S45
	4x12	8x12	35°	127	5"	–	7723-4827-S45




Long hole drilling underground

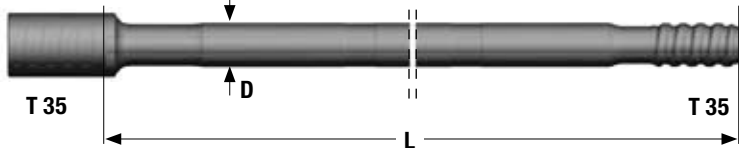
T35 (1 3/8")

Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		

Button bit, regular skirt									
	3x6	1x6	3x9	6x10	35°	64	2 1/2"	HMCFVAN	7517-1654A-S48

Button bit, Retrac T35									
	3x6	–	3x9	6x10	35°	54	2 1/6"	MSCFAN	7517-4654-R48
	3x7	–	3x10	6x11	35°	57	2 1/4"	MSCFAN	7517-4657-R48

Rods	Dimensions D					Part No.
	L			D		
	mm	ft	in	mm	in	

MF-rod, T35 - Round 39 - T35						
	1830	6'	-	39	1 1/2"	7327-4718-20

Female end Ø 48,2 mm. Flushing hole Ø 14,5 mm

T35 (1 3/8")

Long hole drilling underground

T38 (1 1/2")

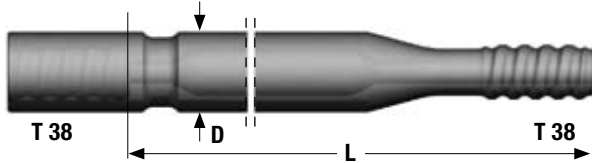
Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
Button bit, regular skirt									
	3x8	–	3x11	6x12	30°	64	2 1/2"	HMCVAN	7514-1664-S48
	3x8	–	3x11	6x12	35°	64	2 1/2"	MSCAN	7514-1664-R48
	4x8	–	5x9	8x10	35°	64	2 1/2"	MSCAN	7514-1864-R48
	4x8	–	5x10	8x11	30°	70	2 3/4"	HMCVAN	7514-1870-S48
	4x8	–	5x11	8x12	35°	76	3"	HMCVAN	7514-1876-S48
	4x8	–	5x11	8x11	40°	76	3"	MSCAN	7514-1876-R48
Button bit, Retrac									
	3x8	–	3x11	6x12	30°	64	2 1/2"	HMCFVAN	7514-4664-S48
	3x8	–	3x11	6x12	35°	64	2 1/2"	MSCFAN	7514-4664-R48
	4x8	–	5x9	8x10	35°	64	2 1/2"	MSCFAN	7514-4864-R48
	4x8	–	5x10	8x11	30°	70	2 3/4"	HMCFVAN	7514-4870-S48
	4x8	–	5x11	8x12	35°	76	3"	HMCFVAN	7514-4876-S48
	4x8	–	5x11	8x11	40°	76	3"	MSCFAN	7514-4876-R48
Guide bit									
	3x8	1x8	4x9	6x11	35°	64	2 1/2"	MSCFAN	7514-8264-R48

T38 (1 1/2")

Long hole drilling underground

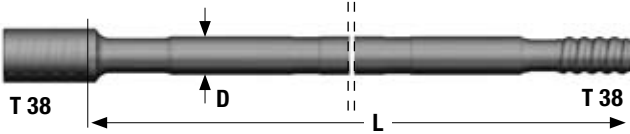
T38 (1 1/2")

Rods	Dimensions D						Part No.
	Bit dia. mm	L mm	ft	in	D mm	in	
Guide tube	64-76	1830	6'	–	56	2 13/64"	7955-5618-20



Female end OD 56 mm

MF-rod, T38 - round 39 - T38	L mm	ft	in	D mm	in	Part No.
	1220	4'	–	39	1 1/2"	7324-4712C-20
	1525	5'	–	39	1 1/2"	7324-4715C-20
	1830	6'	–	39	1 1/2"	7324-4718C-20



Flushing hole Ø 14.5 mm. Female end OD 56 mm

Pilot adapter	Thread	Dimensions D					Part No.
		L mm	ft	in	D mm	in	
Pilot adapter for reaming of 51 mm (2") pilot holes	T38	–	–	–	47	1 7/8"	7823-2647




Reamer	Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size		mm	in		
Reaming bit	4x12	8x12	35°	102	4"	–	7723-4802-S45
	4x12	8x12	35°	127	5"	–	7723-4827-S45




T38 (1 1/2")


Long hole drilling underground

T45 (1 3/4")

Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
Button bit, regular skirt									
	4x8	–	5x10	8x11	35°	70	2 3/4"	HMCVAN	7515-1870-S48
	4x8	–	5x11	8x12	35°	76	3"	HMCVAN	7515-1876-S48
	4x8	–	5x11	8x12	35°	76	3"	MSCAN	7515-1876-R48
	4x9	–	5x13	8x13	35°	89	3 1/2"	HMCVAN	7515-1889-S48
	4x9	–	5x13	8x13	40°	89	3 1/2"	MSCAN	7515-1889-R48

Button bit, Retrac									
	4x8	–	5x10	8x11	35°	70	2 3/4"	MSCFAN	7515-4870-R48
	4x8	–	5x11	8x12	35°	76	3"	HMCVFAN	7515-4876-S48
	4x8	–	5x11	8x12	35°	76	3"	MSCFAN	7515-4876-R48
	4x9	–	5x13	8x13	35°	89	3 1/2"	HMCVFAN	7515-4889-S48
	4x9	–	5x13	8x13	40°	89	3 1/2"	MSCFAN	7515-4889-R48

Guide bit									
	4x8	–	6x10	8x11	35°	76	3"	MSCFAN	7515-8276-R48
	4x10	–	6x11	8x12	40°	89	3 1/2"	MSCFAN	7515-8289-R48

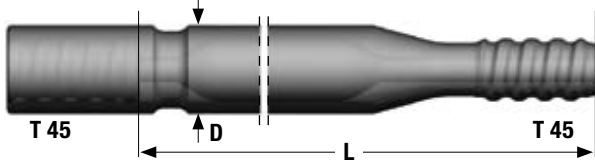
Reaming bit									
	3x14	9x14	35°	127	5"	–	7515-5627-S45		
	7x14	8x14	35°	152	6"	–	7515-5652-S45		

T45 (1 3/4")

Long hole drilling underground

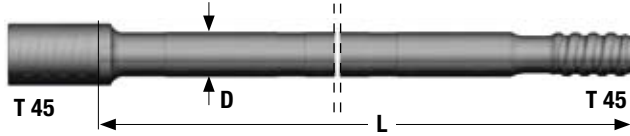
T45 (1 3/4")

Rods	Dimensions D						Part No.
	Bit dia. mm	L mm	ft	in	D mm	in	
Guide tube	76-89	1830	6'	–	63	2 31/64"	7956-6318-21



Female end Ø 63 mm / 76 mm

MF-rod, T45 - round 46 - T45							
	1525	5'	–	46	1 3/4"		7325-7715C-20
	1830	6'	–	46	1 3/4"		7325-7718C-20



Flushing hole Ø 17 mm. Female end Ø 63 mm

T45 (1 3/4")

Long hole drilling underground

T51 (2")

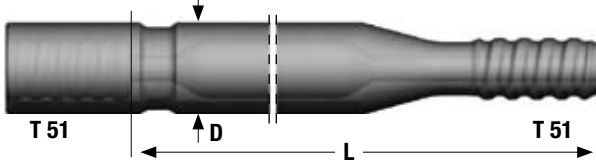
Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
Button bit, regular skirt									
	4x10	–	5x13	8x13	35°	89	3 1/2"	HMCVAN	7516-1889-S48
	4x10	–	5x13	8x13	40°	89	3 1/2"	MSCAN	7516-1889-R48
	3x13	–	9x11	9x13	40°	102	4"	MSCAN	7516-1902-R48
	3x13	–	9x11	9x13	35°	102	4"	HMCVAN	7516-1902-S48
Button bit, Retractor									
	4x10	–	5x13	8x13	35°	89	3 1/2"	HMCVFAN	7516-4889-S48
	4x10	–	5x13	8x13	40°	89	3 1/2"	MSCFAN	7516-4889-R48
	3x13	–	9x11	9x13	40°	102	4"	MSCFAN	7516-4902-R48
	3x13	–	9x11	9x13	35°	102	4"	HMCVFAN	7516-4902-S48
Reaming bit									
	7x14	8x14	35°	152	6"	–	–	–	7516-5652-S45

T51 (2")

Long hole drilling underground

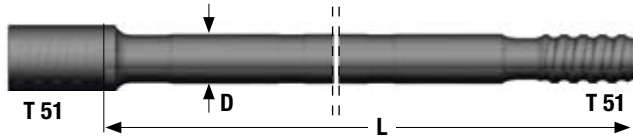
T51 (2")

Rods	Dimensions D					Part No.	
	Bit dia. mm	L mm	ft	in	D mm		in
Guide tube	89-102	1830	6'	–	76	3"	7957-7618-20



Female end Ø 76 / 87 mm


MF-rod, T51 - round 52 - T51						
	1525	5'	–	52	2"	7326-5515C-20
	1830	6'	–	52	2"	7326-5518C-20

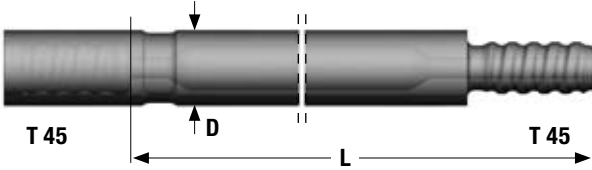


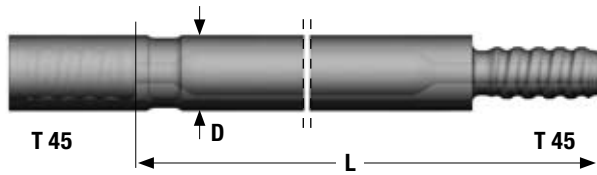
Flushing hole Ø 21.5 mm. Female end Ø 71 mm

Long hole drilling underground

T45 (1 3/4") tube drilling tools

Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
XDC, button bit									
	4x7.5	–	6x10	8x11	35°	76	3"	HMCVA	7525-8476-R65

Tubes	Dimensions D					Part No.
	L mm	ft	in	D mm	in	
Drill tube, T45 - Round 65 - T45						
	1525	5'	–	65	2 1/2"	7985-6315-26
	1830	6'	–	65	2 1/2"	7985-6318-26



Flushing hole Ø 18 mm


T45 Tube


Long hole drilling underground

ST58 (2 1/4") tube drilling tools

Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		

XDC, button bit									
	4x10	–	6x12	8x12	35°	89	3 1/2"	HMCVA	7528-8489-R65

Button bit, Heavy Duty									
	2x15	–	6x12	8x14	35°	89	3 1/2"	HCV	7528-6989-S65

Reaming bit									
	7x14	8x14	35°	152	6"	–			7528-5652-S65

Tubes	Dimensions D					Part No.
	L mm	ft	in	D mm	in	

Drill tube, ST58 - Round 76 - ST58						
	1525	5'	–	76	3"	7378-7615-26
	1830	6'	–	76	3"	7378-7618-26

Flushing hole Ø 26 mm


ST58 Tube


Long hole drilling underground

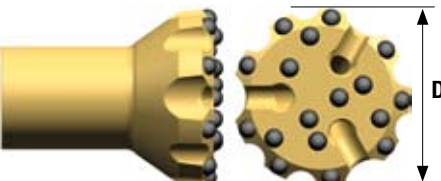
ST68 (2 3/4") tube drilling tools


Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		

XDC, button bit									
	4x10	–	8x12	10x12	35°	102	4"	HMCVA	7529-8402-R65
	4x10	–	8x14	10x14	35°	115	4 1/2"	HMCVA	7529-8415-R65

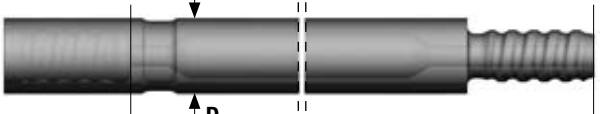


Button bit, Heavy Duty									
	2x15	–	5x14	8x16	35°	102	4"	HCV	7529-6902-S65

XDC, button bit, guide									
	4x10	–	8x12	10x12	35°	102	4"	HMCVA	7529-7302-R65
	4x10	–	8x14	10x14	35°	115	4 1/2"	HMCVA	7529-7315-R65

Collaring bit									
	3x18	–	8x16	9x16	35°	152	6"	–	7529-6652-S45

Reaming bit									
	3x16	9x16	35°	152	6"	–	–	–	7529-5652C-S65

Tubes	Dimensions D					Part No.
	L mm	ft	in	D mm	in	

Drill tube, ST68 - Round 87 - ST68						
	1525	5'	–	87	3 1/2"	7379-8715-26
	1525	5'	–	87	3 1/2"	7379-8715-46 
	1830	6'	–	87	3 1/2"	7379-8718-26
	1830	6'	–	87	3 1/2"	7379-8718-46 

Flushing hole Ø 30 mm

 Permanent back flow valve.

ST68 Tube