



## Drifting and tunneling





# Drifting and tunneling


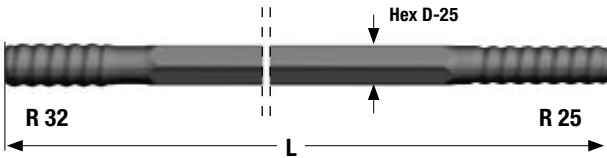
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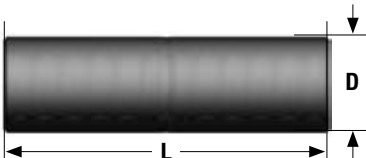
# Drifting and tunneling

## R25 (1") bit thread

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		
<b>RT300 button bit, type 52</b>									
	1x4,5	1x6	2x7	5x7	45°	33	1 5/16"	HMCA	7732-4433C-S48
	1x5	1x6	2x7	5x9	30°	35	1 3/8"	HMCA	7732-4435-S48
	1x5	1x6	2x7	5x9	30°	37	1 29/64"	HMCA	7732-5237-S48
	1x5	1x6	2x7	5x9	30°	38	1 1/2"	HMCA	7732-5238-S48
	1x5	1x6	2x8	5x9	35°	41	1 5/8"	HMCA	7732-5241-S48

<b>Cross bit</b>									
	1x5	2x5				33	1 5/16"	-	7732-1633-42
	1x5	2x5				35	1 3/8"	-	7732-1435-42

Rods		Dimensions D					Part No.
		L			D		
Drifter rod, R32 - Hex 25 - R25		mm	ft	in	mm	in	
 <p>Flushing hole <math>\varnothing</math> 8,8 mm</p>	1870	6'	1 5/8"	25	1"	7853-2418-20	
	2175	7'	1 5/8"	25	1"	7853-2421-20	
	2475	8'	1 1/2"	25	1"	7853-2424-20	
	2630	8'	7 1/2"	25	1"	7853-2426-20	
	2785	9'	1 5/8"	25	1"	7853-2427-20	
	2935	9'	7 1/2"	25	1"	7853-2429-20	
	3090	10'	1 5/8"	25	1"	7853-2431-20	

<b>Coupling sleeve, R32</b>						
	150	5 29/64"	44	1 47/64"	7993-3644	

R25 (1")

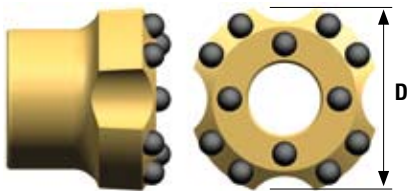
# Drifting and tunneling

## R25 (1") reaming tools

	Thread	Dimensions D					Part No.
		L mm	ft	in	D mm	in	
<b>Reaming tools for cut holes / Pilot adapter, 6° taper</b>							
	R25	-	-	-	26	1 1/32"	7822-2526




	Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size		mm	in	
<b>Reaming tools for cut holes / Reaming bit, 6° taper</b>						
	4x8	8x9	25°	64	2 1/2"	7722-4864-S45
	4x10	8x10	30°	76	3"	7722-4876-S45
	6x10	8x10	30°	89	3 1/2"	7722-4889-S45





R25 (1")


# Drifting and tunneling


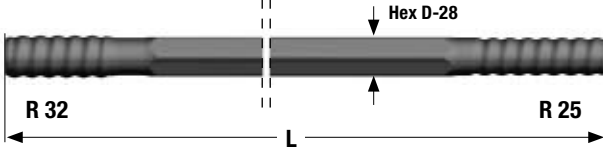
## R28 (1 1/8") bit thread

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		
<b>RT300 button bit, type 52</b>									
	1x5	1x6	2x7	5x9	35°	38	1 1/2"	MCAN	7739-5238-R48
	1x5	1x6	2x7	5x9	30°	38	1 1/2"	HMCA	7739-5238-S48
	1x5	1x6	2x8	5x9	35°	41	1 5/8"	HMCA	7739-5241-S48
	1x5	1x6	2x8	5x10	30°	43	1 11/16"	HMCA	7739-5243-S48

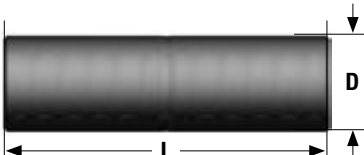
<b>Cross bit</b>									
	1x5	2x5	-	-		38	1 1/2"		7739-1438-42

Reaming tools	Thread	Dimensions D					Part No.
		L mm	ft	in	D mm	in	
<b>Reaming tools for cut holes / Pilot adapter, 6° taper</b>							
	R28	-	-	-	26	1 1/32"	7822-1526

Reaming tools for cut holes / Reaming bit, 6° taper	Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size		mm	in	
	4x8	8x9	25°	64	2 1/2"	7722-4864-S45
	4x10	8x10	30°	76	3"	7722-4876-S45
	6x10	8x10	30°	89	3 1/2"	7722-4889-S45

Rods		Dimensions D					Part No.
		L mm	ft	in	D mm	in	
<b>Drifter rod, R32 - Hex 28 - R28</b>							
	3090	10'	1 5/8"	28	1 1/8"	7853-7631-20	
	3700	12'	1 5/8"	28	1 1/8"	7853-7637-20	
	4305	14'	1 1/2"	28	1 1/8"	7853-7643-20	

Flushing hole Ø 8,8 mm

<b>Coupling sleeve, R32</b>						
	150	5 29/64"	44	1 47/64"	7993-3644	

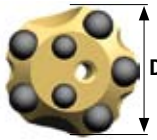
R28 (1 1/8")

# Drifting and tunneling

## R32 (1 1/4") bit thread

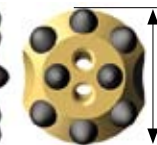
Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		

### RT300 button bit, type 52



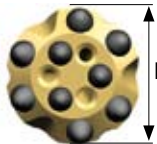
1x5	2x6	2x9	5x10	35°	43	1 11/16"	HMCVA	7733-5243A-S48
1x5	2x6	2x9	5x11	30°	45	1 3/4"	HMCVA	7733-5245A-S48
1x6	2x7.5	2x9	5x11	35°	48	1 7/8"	HMCVA	7733-5248A-S48
1x6	2x7.5	2x10	5x12	35°	51	2"	HMCVA	7733-5251A-S48

### RT300 button bit, type 54

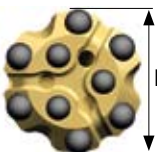


2x6	2x6	2x9	6x9	40°	43	1 11/16"	MSCAN	7733-5443B-R48
2x6	2x6	2x9	6x10	35°	45	1 3/4"	MSCAN	7733-5445B-R48

### RT300 button bit, type 53



3x4.5	1x5	3x8	6x10	25°	45	1 3/4"	HMCAN	7733-5345A-S48
3x4.5	1x5	3x8	6x10	30°	45	1 3/4"	MSCAN	7733-5345A-R48
3x5	1x5	3x9	6x10	30°	48	1 7/8"	HMCAN	7733-5348A-S48
3x5	1x5	3x9	6x10	30°	48	1 7/8"	HMCAN	7733-5348A-R48



3x6	1x6	3x9	6x10	35°	51	2"	MSCAN	7733-1651A-S48
3x6	1x6	3x9	6x10	35°	51	2"	MSCAN	7733-1651A-R48



-	-	3x9	6x9	-	4	1 3/4"	SCN	7733-5745A-C48
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### Cross bit

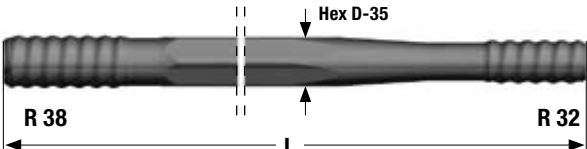


1x5	4x6	-	-	-	45	1 3/4"		7733-1345A-42
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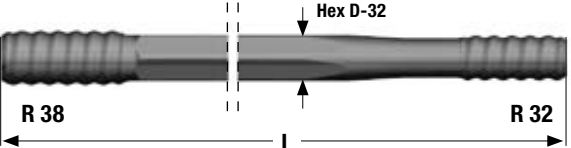
R32 (1 1/4")

# Drifting and tunneling

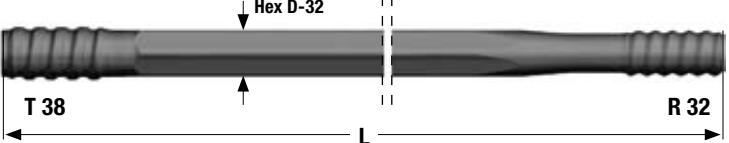
## R32 (1 1/4") bit thread

Rods	Dimensions D					Part No.
	L mm	ft	in	D mm	in	
<b>Drifter rod, R38 - Hex 35 - R32</b>						
	3090	10'	1 5/8"	35	1 3/8"	<b>7854-9631-20</b>
	3700	12'	1 5/8"	35	1 3/8"	<b>7854-9637-20</b>
	4305	14'	1 1/2"	35	1 3/8"	<b>7854-9643-20</b>
	4915	16'	1 1/2"	35	1 3/8"	<b>7854-9649-20</b>

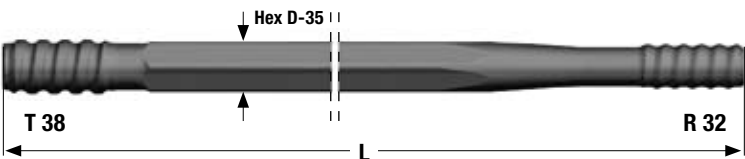
Flushing hole  $\varnothing$  9,5 mm

<b>Drifter rod, R38 - Hex 32 - R32</b>						
	3090	10'	1 5/8"	32	1 1/4"	<b>7854-8631-20</b>
	3700	12'	1 5/8"	32	1 1/4"	<b>7854-8637-20</b>
	4305	14'	1 1/2"	32	1 1/4"	<b>7854-8643-20</b>
	4915	16'	1 1/2"	32	1 1/4"	<b>7854-8649-20</b>

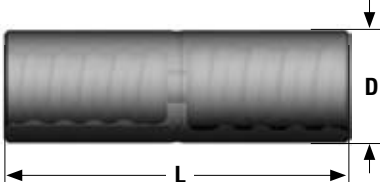
Flushing hole  $\varnothing$  9,6 mm

<b>Drifter rod, T38 - Hex 32 - R32</b>						
	3700	12'	1 5/8"	32	1 1/4"	<b>7324-8637-20</b>
	4305	14'	1 1/2"	32	1 1/4"	<b>7324-8643-20</b>

Flushing hole  $\varnothing$  9,6 mm

<b>Drifter rod, T38 - Hex 35 - R32</b>						
	3090	10'	1 5/8"	35	1 3/8"	<b>7324-9631-20</b>
	3700	12'	1 5/8"	35	1 3/8"	<b>7324-9637-20</b>
	4305	14'	1 1/2"	35	1 3/8"	<b>7324-9643-20</b>
	4915	16'	1 1/2"	35	1 3/8"	<b>7324-9649-20</b>
	5525	18'	1 1/2"	35	1 3/8"	<b>7324-9655-20</b>
	6135	20'	1 1/2"	35	1 3/8"	<b>7324-9661-20</b>

Flushing hole  $\varnothing$  9,5 mm

<b>Coupling sleeve</b>							
	<b>R38</b>	170	-	6 3/4"	55	2 5/32"	<b>7994-3655</b>
	<b>T38</b>	191	-	7 1/2"	52	2"	<b>7314-3652</b>

R32 (1 1/4")

# Drifting and tunneling

## R32 (1 1/4") reaming tools

R32 (1 1/4")

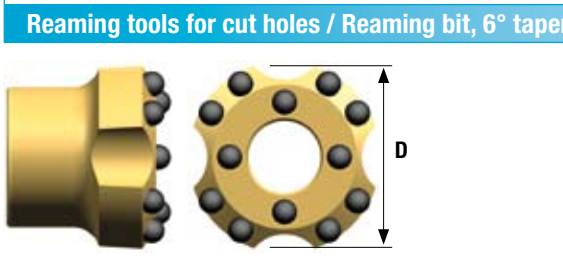
Pilot adapters 6°, 12° taper	Thread	Dimensions D					Part No.
		L mm	ft	in	D mm	in	
Reaming tools for cut holes / Pilot adapter, 6° taper							
	R32	-	-	-	26	1 1/32"	7822-3526



Reaming tools for cut holes / Pilot adapter, 12° taper							
	R32	-	-	-	40	1 37/64"	7821-3440

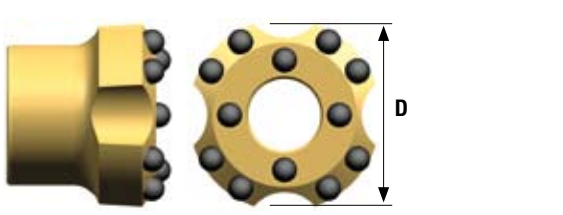


Reaming bit 6°, 12° taper	Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size		mm	in	
Reaming tools for cut holes / Reaming bit, 6° taper						



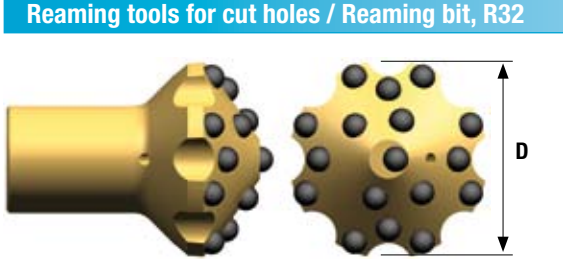
4x8	8x9	25°	64	2 1/2"	7722-4864-S45
4x10	8x10	30°	76	3"	7722-4876-S45
6x10	8x10	30°	89	3 1/2"	7722-4889-S45

Reaming tools for cut holes / Reaming bit, 12° taper						
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4x10	8x12	35°	89	3 1/2"	7721-4889-S45
4x12	8x12	35°	102	4"	7721-4802-S45
8x12	8x12	35°	127	5"	7721-4827-S45


Reaming bit	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	
Reaming tools for cut holes / Reaming bit, R32								





2x6	2x6	9x13	8x13	35°	102	4"	7733-5602-S45
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# Drifting and tunneling


## Sandvik Alpha. $\alpha$ 330 bit thread

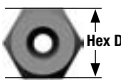
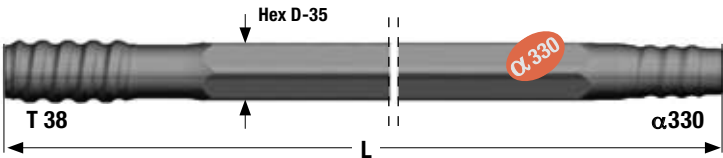
Bits	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Bit Classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>RT300 button bit, type 52</b>									
	1x5	1x7.5	2x9	6x10	35°	43	1 11/16"	HMCVA	7766-5243A-S48
	1x5	1x7.5	2x9	5x11	30°	45	1 3/4"	HMCVA	7766-5245A-S48
	1x6	2x7.5	2x9	5x11	35°	48	1 7/8"	HMCVA	7766-5248A-S48

<b>RT300 button bit, type 54</b>									
	2x6	2x6	2x9	6x9	40°	43	1 11/16"	MSCAN	7766-5443B-R48
	2x6	2x6	2x9	6x10	35°	45	1 3/4"	MSCAN	7766-5445B-R48

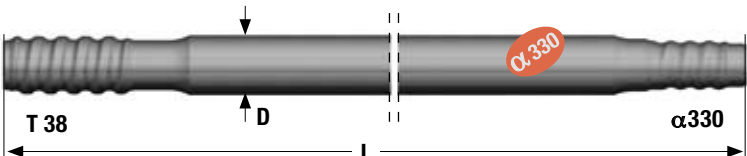
<b>RT300 button bit, type 53</b>									
	3x4.5	1x5	3x8	6x10	30°	45	1 3/4"	MSCAN	7766-5345A-R48
	3x4.5	1x5	3x8	6x10	25°	45	1 3/4"	HMCAN	7766-5345A-S48
	3x5	1x5	3x9	6x10	30°	48	1 7/8"	MSCAN	7766-5348A-R48
	3x5	1x5	3x9	6x10	30°	48	1 7/8"	HMCAN	7766-5348A-S48

	3x6	1x6	3x9	6x10	35°	51	2"	MSCAN	7766-1651A-R48
	3x6	1x6	3x9	6x10	35°	51	2"	HMCAN	7766-1651A-S48

<b>Cross bit</b>									
	1x5	4x6				45	1 3/4"		7766-1345A-42

Rods		Dimensions D					Part No.
		L mm	ft	in	D mm	in	
<b>Drifter rod, T38 - Hex 35 - <math>\alpha</math>330</b>							
	3090	10'	1 5/8"	35	1 3/8"	7324-4131-20	
	3700	12'	1 5/8"	35	1 3/8"	7324-4137-20	
	4305	14'	1 1/2"	35	1 3/8"	7324-4143-20	
	4915	16'	1 1/2"	35	1 3/8"	7324-4149-20	
	5525	18'	1 1/2"	35	1 3/8"	7324-4155-20	

Flushing hole  $\varnothing$  9,5 mm

<b>Drifter rod, T38 - Round 39 - <math>\alpha</math>330</b>						
	4915	16'	1 1/2"	39	1 1/2"	7324-4249-20
	5525	18'	1 1/2"	39	1 1/2"	7324-4255-20
	6135	20'	1 1/2"	39	1 1/2"	7324-4261-20
	6440	21'	1 1/2"	39	1 1/2"	7324-4264-20

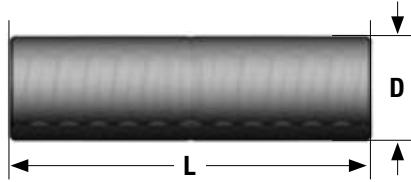
Flushing hole  $\varnothing$  10,3 mm

# Drifting and tunneling

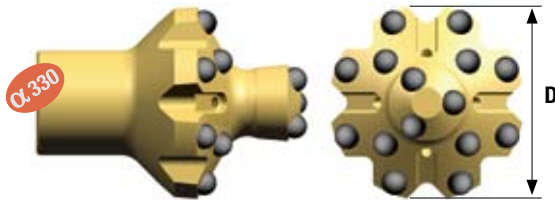
## Sandvik Alpha. $\alpha$ 330 bit thread

α330

Rods	Dimensions D					Part No.
	L mm	ft	in	D mm	in	
<b>Coupling sleeve, T38</b>						
	191	-	7 1/2"	52	2"	7314-3652



Reaming bit	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	
<b>Reaming tools for cut holes / Reaming bit, <math>\alpha</math>330</b>								
	4x6	-	7x13	8x13	35°	102	4"	7766-5602P-S48



Pilot adapter 12° taper	Thread	Dimensions D				Part No.	
		L mm	ft	in	D mm		in
<b>Reaming tools for cut holes / Pilot adapter, 12° taper</b>							
	$\alpha$ 330	-	-	-	40	1 37/64"	7821-3040



Reaming bit 12° taper	Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size		mm	in	
<b>Reaming tools for cut holes / Reaming bit, 12° taper</b>						



4x10	8x12	35°	89	3 1/2"	7721-4889-S45
4x12	8x12	35°	102	4"	7721-4802-S45
8x12	8x12	35°	127	5"	7721-4827-S45

# Drifting and tunneling

## R35 (1 3/8") bit thread

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		

### RT300 button bit, type 52



1x5	1x7.5	2x9	5x11	35°	48	1 7/8"	HMCVA	7738-5248-S48
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### RT300 button bit, type 53



3x5	1x5	3x9	6x10	30°	48	1 7/8"	HMCAN	7738-5348A-S48
3x5	1x5	3x9	6x10	30°	48	1 7/8"	MSCAN	7738-5348A-R48



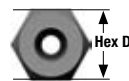
3x6	1x6	3x9	6x10	35°	51	2"	HMCAN	7738-1651A-S48
3x6	1x6	3x9	6x10	35°	51	2"	MSCAN	7738-1651A-R48

### Cross bit



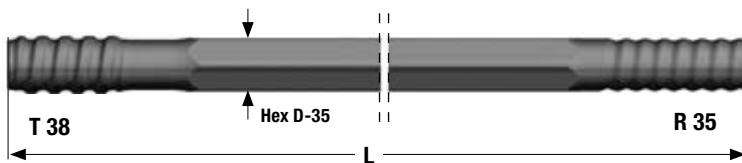
1x5	2x7.5	-	-	-	48	1 7/8"	-	7738-1448-42
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## Rods



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

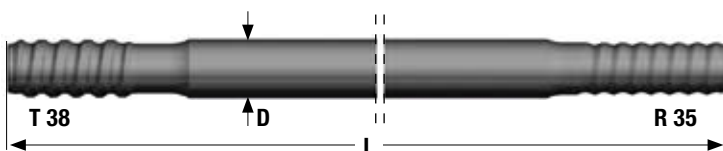
### Drifter rod, T38 - Hex 35 - R35



4305	14'	1 1/2"	35	1 3/8"	7324-8543-20
4915	16'	1 1/2"	35	1 3/8"	7324-8549-20
5525	18'	1 1/2"	35	1 3/8"	7324-8555-20
6135	20'	1 1/2"	35	1 3/8"	7324-8561-20

Flushing hole Ø 9,5 mm

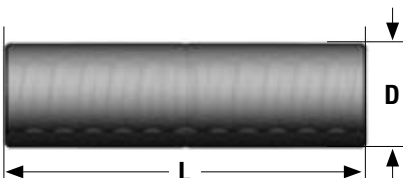
### Drifter rod, T38 - Round 39 - R35



4305	14'	1 1/2"	39	1 1/2"	7324-7243-20
4915	16'	1 1/2"	39	1 1/2"	7324-7249-20
5525	18'	1 1/2"	39	1 1/2"	7324-7255-20
6135	20'	1 1/2"	39	1 1/2"	7324-7261-20

Flushing hole Ø 14,5 mm

### Coupling sleeve, T38



191	-	7 1/2"	52	2"	7314-3652
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# Drifting and tunneling

## R35 (1 3/8") bit thread

R35 (1 3/8")

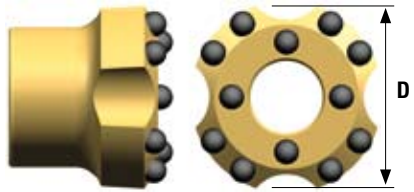
Reaming bit	Flushinghole, mm		Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	
Reaming tools for cut holes / Reaming bit, R35								
	2x6	2x6	9x13	8x13	35°	102	4"	7738-5602-S45



Pilot adapter 12° taper	Thread	Dimensions D				Part No.	
		L mm	ft	in	D mm		in
Reaming tools for cut holes / Pilot adapter, 12° taper							
	R35	-	-	-	40	1 37/64"	7821-5440



Reaming bit 12° taper	Buttons, mm		Angle	Dimensions D		Part No.
	Front No Size	Gauge No Size		mm	in	
Reaming tools for cut holes / Reaming bit, 12° taper						
	4x10	8x12	35°	89	3 1/2"	7721-4889-S45
	4x12	8x12	35°	102	4"	7721-4802-S45
	8x12	8x12	35°	127	5"	7721-4827-S45

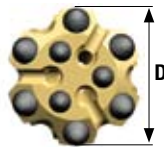


# Drifting and tunneling

## Sandvik Extra. R35 (1 3/8") bit thread

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, Retrac R35

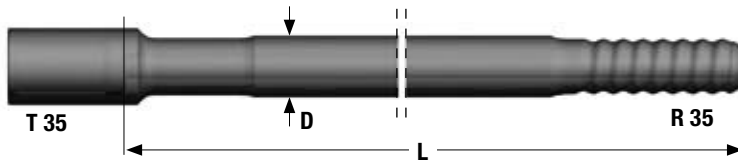


3x6	1x5	3x9	6x11	30°	54	2 1/5"	MSCFAN	<b>7738-4654A1-R48</b>
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R35 (1 3/8")

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

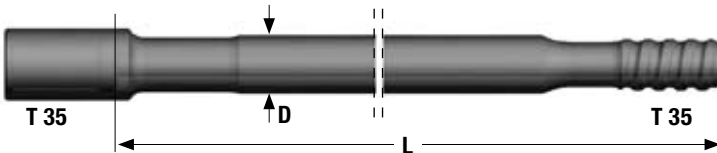
### Drifter rod, T35 - Round 39 - R35



4305	14'	1 1/2"	39	1 1/2"	<b>7327-5243-20</b>
4915	16'	1 1/2"	39	1 1/2"	<b>7327-5249-20</b>
5525	18'	1 1/2"	39	1 1/2"	<b>7327-5255-20</b>
6135	20'	1 1/2"	39	1 1/2"	<b>7327-5261-20</b>

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

### Drifter Extension rod, T35 - Round 39 - T35



3050	10'	–	39	1 1/2"	<b>7327-4731-20</b>
3660	12'	–	39	1 1/2"	<b>7327-4737-20</b>
4265	14'	–	39	1 1/2"	<b>7327-4743-20</b>
4875	16'	–	39	1 1/2"	<b>7327-4749-20</b>

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

# Drifting and tunneling

## Sandvik RT300 bits

Sandvik RT300 bits for drifting and tunneling are available in three basic designs



### Type 52

Designed for hard and abrasive rock



### Type 53

Allround design for most types of rock



### Type 54

Designed for soft and less abrasive rock