

# Drifting and tunneling tools



**SANDVIK**

# Drifting and tunneling

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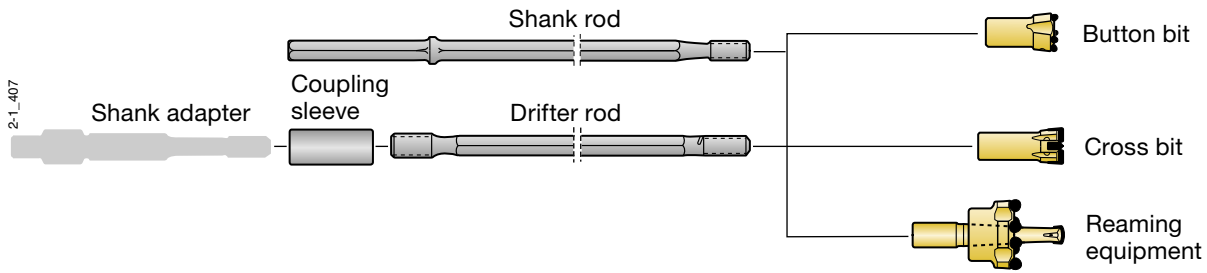
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# Drifting and tunneling

## R25 (1") bit thread



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

### Button bit, CAPP 52



1x5	1x6	2x7	5x8	35°	35	1 3/8"	HMCA	7732-5235-S45
1x5	1x6	2x7	5x9	30°	38	1 1/2"	HMCA	7732-5238-S45
1x5	1x6	2x8	5x9	35°	41	1 5/8"	HMCA	7732-5241-S45

### Button bit, CAPP 52 for Excalibur 120+



1x5	1x6	2x7	5x9	30°	37	1 29/64"	HMCV	7732-5237-S45
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### Cross bit, Heavy Duty



1x5	2x5	-	-	-	35	1 3/8"	-	7732-1435-42
1x5	2x5	-	-	-	38	1 1/2"	-	7732-1438-42
1x5	2x5	-	-	-	41	1 5/8"	-	7732-1441-42

Dimensions L	Dimensions D		Part No.
	mm	in	

### Drifter rod, R28 - Hex 28 - R25



3090	10'	1 21/32"	28	1 1/8"	7859-7731-20
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Flushing hole Ø 9.1 mm.

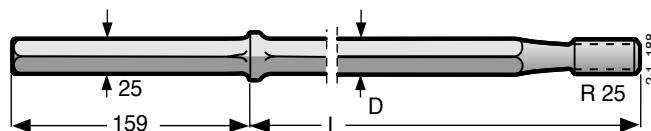
### Drifter rod, R32 - Hex 25 - R25



2475	8'	1 21/32"	25	1"	7853-6224-20
3090	10'	1 21/32"	25	1"	7853-6231-20

Flushing hole Ø 8.8 mm.

### Shank rod, Hex 25 - R25



3240	10'	7 1/2"	25	1"	7802-7532-20
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Flushing hole Ø 8.8 mm. For flushing tube Ø 8 mm.

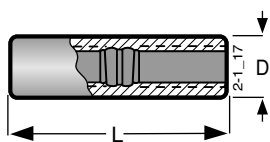
Packing  
795-1811

# Drifting and tunneling

## R25 (1") bit thread

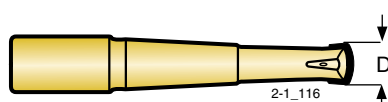
	Dimensions			D		Part No.
	L			mm	in	

### Coupling sleeve



Thread	L			D		Part No.
R32	150	—	5 29/32"	44	1 47/64"	7993-3644
R28	150	—	5 29/32"	40	1 37/64"	7999-3640

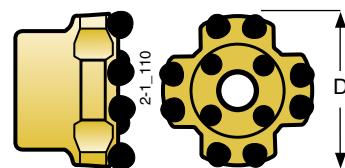
### Reaming equipment for cut holes / Pilot adapter, 6° taper



Thread				D		Part No.
R25	—	—	—	26	1 1/32"	7822-2526

	Buttons, mm			Dimensions		Part No.
	Front	Gauge	Angle	D	in	

### Reaming equipment 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
4x10	8x10	30°	89	3 1/2"	7722-4889-S45

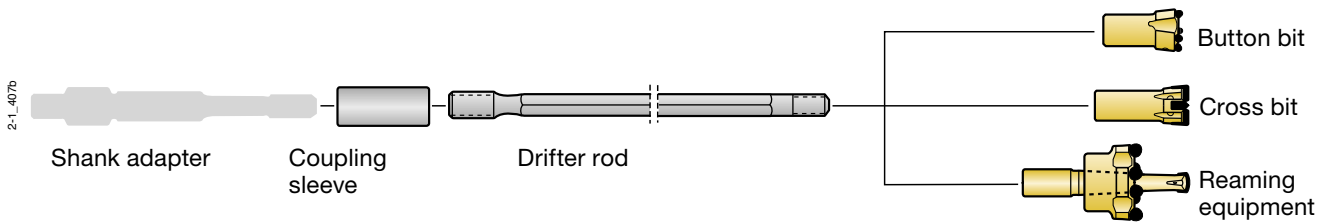
### Shank adapter



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# Drifting and tunneling

## Sandvik Alpha. $\alpha$ 250 bit thread



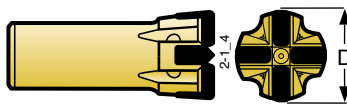
Flushinghole, mm		Buttons, mm		Angle	Dimensions		Bit classification	Part No.
Front	Gauge	Front	Gauge		D			
No Size	No Size	No Size	No Size		mm	in		

### Button bit, CAPP 52



1x4,5	1x6	2x7	5x7	45°	33	1 5/16"	HMCA	7764-4433-S45
1x5	1x6	2x7	5x8	35°	35	1 3/8"	HMCA	7764-5235-S45
1x5	1x6	2x7	5x9	30°	37	1 29/64"	HMCA	7764-5237-S45
1x6	1x6	2x7	5x9	35°	38	1 1/2"	HMCA	7764-5238-S45
1x6	1x6	2x8	5x9	35°	41	1 5/8"	HMCA	7764-5241-S45

### Cross bit



1x5	2x5	—	—	—	33	1 5/16"	—	7764-1633-42
1x5	2x5	—	—	—	35	1 3/8"	—	7764-1435-42
1x5	2x5	—	—	—	38	1 1/2"	—	7764-1438-42
1x5	2x5	—	—	—	41	1 5/8"	—	7764-1441-42

Dimensions		Part No.
L	D	
mm	ft in	mm in

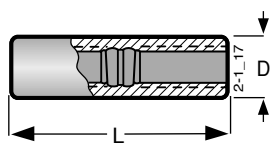
### Drifter rod, R32 - Hex 25 - $\alpha$ 250



2475	8'	1 7/16"	25	1"	7853-1724-20
2630	8'	7 9/16"	25	1"	7853-1726-20
2935	9'	7 9/16"	25	1"	7853-1729-20
3190	10'	5 19/32"	25	1"	7853-1731-20

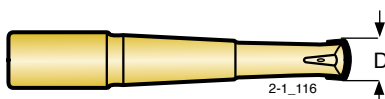
Flushing hole  $\varnothing$  8.6 mm.

### Coupling sleeve



Thread	150	—	5 29/32"	44	1 47/64"	7993-3644
R32						

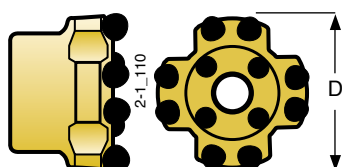
### Reaming equipment for cut holes / Pilot adapter, 6° taper



Thread $\alpha$ 250	—	—	—	26	1 1/32"	7822-2726
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Buttons, mm		Angle	Dimensions		Part No.
Front	Gauge		D		
mm	mm		mm	in	

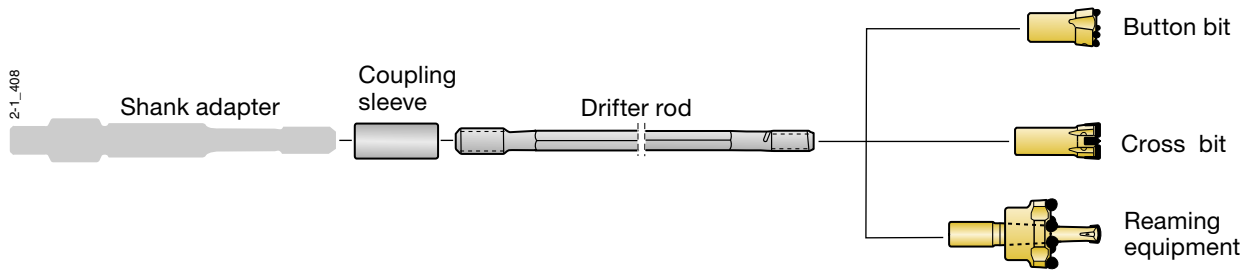
### Reaming equipment for cut holes / Reaming bit, 6° taper



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

# Drifting and tunneling

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



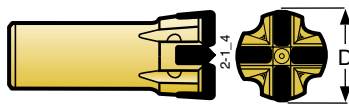
Flushinghole, mm		Buttons, mm		Angle	Dimensions		Bit classification	Part No.
Front No Size	Gauge No Size	Front No Size	Gauge No Size		D mm	in		

### Button bit, CAPP 52



1x5	1x6	2x7	5x9	35°	38	1 1/2"	MSCFAN	7739-5238-R45
1x5	1x6	2x7	5x9	30°	38	1 1/2"	HMCA	7739-5238-S45
1x5	1x6	2x8	5x9	35°	41	1 5/8"	HMCA	7739-5241-S45
1x5	1x6	2x8	5x10	35°	43	1 11/16"	HMCA	7739-5243-S45

### Cross bit, Heavy Duty



1x5	2x5	-	-	-	38	1 1/2"	-	7739-1438-42
1x5	2x5	-	-	-	41	1 5/8"	-	7739-1441-42

Dimensions L	Dimensions			D	Part No.
	mm	ft	in		

### Drifter rod, R32 - Hex 32 - R28



Flushing hole Ø 9.7 mm.

3090	10'	1 21/32"	32	1 1/4"	7853-8731-20
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### Drifter rod, R32 - Hex 28 - R28



Flushing hole Ø 9.1 mm.

3090	10'	1 21/32"	28	1 1/8"	7853-7631-20
3700	12'	1 1/2"	28	1 1/8"	7853-7637-20
4005	13'	1 43/64"	28	1 1/8"	7853-7640-20
4305	14'	1 31/64"	28	1 1/8"	7853-7643-20

### Drifter rod, R38 - Hex 32 - R28



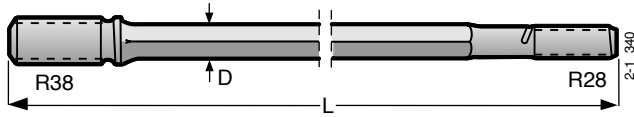
Flushing hole Ø 9.7 mm.

3090	10'	1 21/32"	32	1 1/4"	7854-8731-20
3700	12'	1 1/2"	32	1 1/4"	7854-8737-20
4305	14'	1 31/64"	32	1 1/4"	7854-8743-20

# Drifting and tunneling

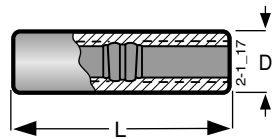
## R28 (1 1/8") bit thread

	Dimensions			D		Part No.
	L	ft	in	mm	in	
Drifter rod, R38 - Hex 28 - R28	3700	12'	1 1/2"	28	1 1/8"	7854-7637-20
	4305	14'	1 31/64"	28	1 1/8"	7854-7643-20

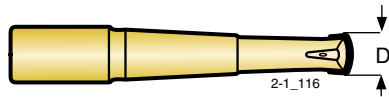


Flushing hole Ø 9.1 mm.

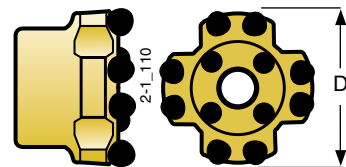
Coupling sleeve						
	Thread			D		Part No.
	L	ft	in	mm	in	
Coupling sleeve	R32	150	—	5 29/64"	44	7993-3644
	R38	170	—	6 11/16"	55	7994-3655



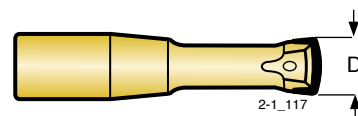
Reaming equipment for cut holes / Pilot adapter, 6° taper						
	Thread			D		Part No.
	L	ft	in	mm	in	
Reaming equipment for cut holes / Pilot adapter, 6° taper	R28	—	—	26	1 1/32"	7822-1526



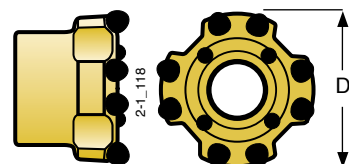
	Buttons, mm			Dimensions		Part No.
	Front	Gauge	Angle	mm	in	
Reaming equipment for cut holes / Reaming bit, 6° taper	4x8	8x9	25°	64	2 1/2"	7722-4864-S45
	4x10	8x10	30°	76	3"	7722-4876-S45
	4x10	8x10	30°	89	3 1/2"	7722-4889-S45



Reaming equipment for cut holes / Pilot adapter, 12° taper						
	Thread			D		Part No.
	L	ft	in	mm	in	
Reaming equipment for cut holes / Pilot adapter, 12° taper	R28	—	—	35	1 3/8"	7821-1435



Reaming equipment for cut holes / Reaming bit, 12° taper						
	Buttons, mm			Dimensions		Part No.
	Front	Gauge	Angle	mm	in	
Reaming equipment for cut holes / Reaming bit, 12° taper	4x10	8x12	35°	89	3 1/2"	7721-4889-S45



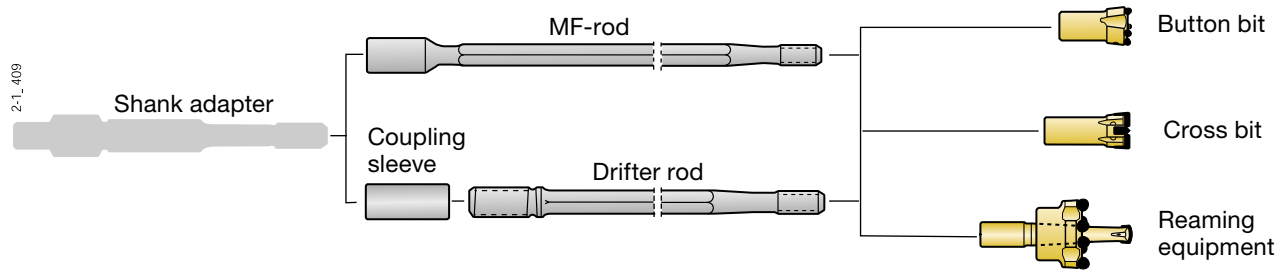
Shank adapter						
Part No.						
Shank adapter	2-1_244					



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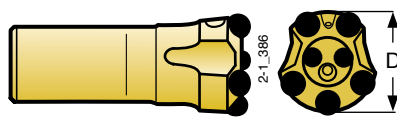
# Drifting and tunneling

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



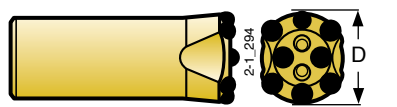
Flushinghole, mm	Gauge	Buttons, mm		Angle	Dimensions		Bit classification	Part No.
		Front No	Size		D mm	in		

### Button bit, CAPP 52



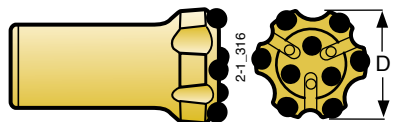
1x5	1x7.5	2x9	5x10	35°	43	1 11/16"	HMCA	7733-5243-S45
1x5	1x7.5	2x9	5x11	30°	45	1 3/4"	HMCA	7733-5245-S45
1x5	1x7.5	2x9	5x11	30°	45	1 3/4"	HMCV	7733-5245-S65
1x6	1x7.5	2x9	5x11	35°	48	1 7/8"	HMCA	7733-5248-S45
1x6	1x7.5	2x10	5x12	35°	51	2"	HMCA	7733-5251-S45
1x6	1x7.5	2x10	5x12	35°	51	2"	HMCV	7733-5251-S65

### Button bit, CAPP 54



2x6	—	2x9	6x9	40°	43	1 11/16"	SCFAN	7733-5443-R45
2x6	—	2x9	6x10	35°	45	1 3/4"	SCFAN	7733-5445-R45
2x7	—	2x9	6x10	40°	48	1 7/8"	SCFAN	7733-5448-R45
2x7	—	2x10	6x10	40°	51	2"	SCFAN	7733-5451-R45

### Button bit, CAPP 53



3x4.5	—	3x8	6x10	25°	45	1 3/4"	MCFAN	7733-5345-S45
3x4.5	—	3x8	6x10	30°	45	1 3/4"	MSCFAN	7733-5345-R45
3x5	—	3x9	6x10	30°	48	1 7/8"	MCFAN	7733-5348-S45
3x6	—	3x9	6x10	35°	51	2"	MCFAN	7733-5351-S45
3x6	—	3x9	6x10	35°	51	2"	MSCFAN	7733-5351-R45
3x6	—	3x10	6x11	35°	57	2 1/4"	MCFAN	7733-5357C-S45

### Cross bit, Heavy Duty



1x5	2x6	—	—	—	43	1 11/16"	—	7733-1343-42
1x5	4x6	—	—	—	45	1 3/4"	—	7733-1345A-42
1x5	2x7.5	—	—	—	48	1 7/8"	—	7733-1448-42
1x5	2x7.5	—	—	—	51	2"	—	7733-1451-42

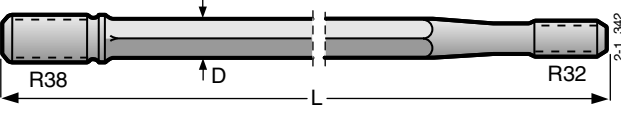
### Cross bit, Normal

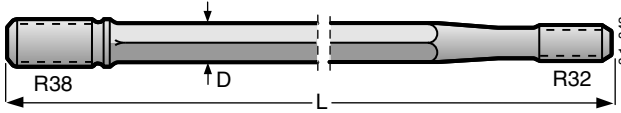



1x5	2x6	—	—	—	41	1 5/8"	—	7733-1041-42
1x5	2x7.5	—	—	—	51	2 1/4"	—	7733-1057-42

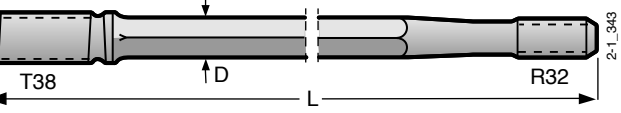
# Drifting and tunneling

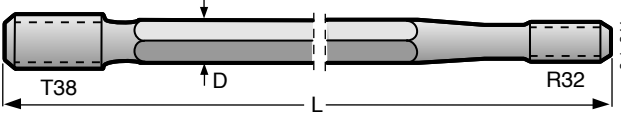
## R32 (1 1/4") bit Thread

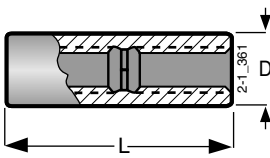
	Dimensions			D		Part No.
	L	ft	in	mm	in	
<b>Drifter rod, R38 - Hex 35 - R32</b>						
 <p>Flushing hole Ø 9.5 mm.</p>	3090	10'	1 21/32"	35	1 3/8"	7854-9631-20
	3700	12'	1 1/2"	35	1 3/8"	7854-9637-20
	4305	14'	1 31/64"	35	1 3/8"	7854-9643-20
	4915	16'	1 1/2"	35	1 3/8"	7854-9649-20
	5525	18'	1 33/64"	35	1 3/8"	7854-9655-20

<b>Drifter rod, R38 - Hex 32 - R32</b>						
 <p>Flushing hole Ø 9.7 mm.</p>	3700	12'	1 1/2"	32	1 1/4"	7854-8637-20
	4305	14'	1 31/64"	32	1 1/4"	7854-8643-20
	4915	16'	1 1/2"	32	1 1/4"	7854-8649-20

<b>MF-rod, T38 - Hex 35 - R32</b>						
 <p>Flushing hole Ø 9.7 mm. Female end OD 56 mm.</p>	3700	12'	1 1/2"	35	1 3/8"	7324-6537-20
	4305	14'	1 31/64"	35	1 3/8"	7324-6543-20
	4915	16'	1 1/2"	35	1 3/8"	7324-6549-20
	5525	18'	1 33/64"	35	1 3/8"	7324-6555-20

<b>Drifter rod, T38 - Hex 32 - R32</b>						
 <p>Flushing hole Ø 9.7 mm.</p>	3700	12'	1 1/2"	32	1 1/4"	7324-8637-20
	4305	14'	1 31/64"	32	1 1/4"	7324-8643-20

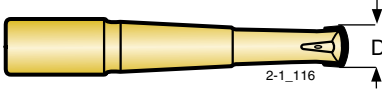
<b>Drifter rod, T38 - Hex 35 - R32</b>						
 <p>Flushing hole Ø 9.7 mm.</p>	3700	12'	1 1/2"	35	1 3/8"	7324-9637-20
	4305	14'	1 31/64"	35	1 3/8"	7324-9643-20
	4915	16'	1 1/2"	35	1 3/8"	7324-9649-20
	5525	18'	1 33/64"	35	1 3/8"	7324-9655-20
	6135	20'	1 1/2"	35	1 3/8"	7324-9661-20

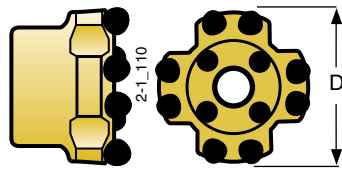
<b>Coupling sleeve</b>							
	R38	170	–	6 3/4"	55	2 5/32"	7994-3655
	T38	191	–	7 1/2"	55	2 5/32"	7314-3355
	T38	191	–	7 1/2"	52	2"	7314-3652*

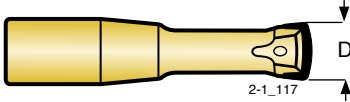
\* For high frequency rock drills

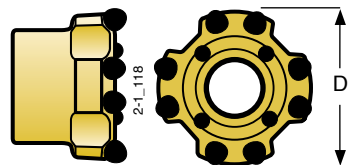
# Drifting and tunneling

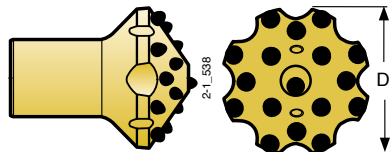
## R32 (1 1/4") bit Thread

	Buttons, mm			Dimensions		Part No.	
	Front No	Gauge No	Angle	D mm	in		
<b>Reaming equipment for cut holes / Pilot adapter, 6° taper</b>							
	Thread R32	-	-	-	26	1 1/32"	7822-3526

<b>Reaming equipment 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
	4x10	8x10	30°	89	3 1/2"	7722-4889-S45

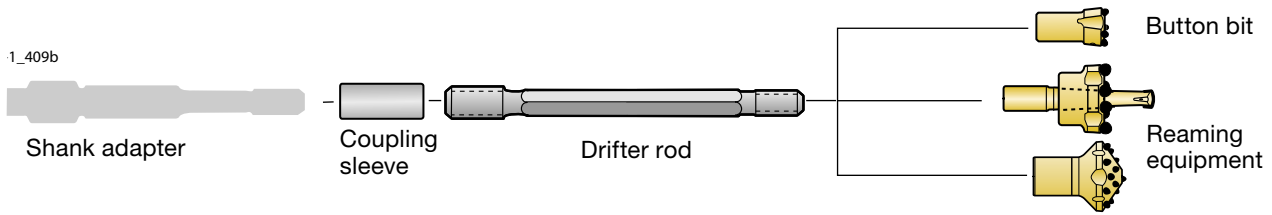
<b>Reaming equipment for cut holes / Pilot adapter, 12° taper</b>							
	Thread R32	-	-	-	40	1 37/64"	7821-3440

<b>Reaming equipment 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
	4x12	8x12	35°	127	5"	7721-4827-S45

	Flushing hole, mm		Buttons, mm			Dimensions		Part No.
	Front No	Gauge No	Front No	Gauge No	Angle	D mm	in	
<b>Reaming equipment for cut holes / Reaming bit, R32</b>								
	2x6	2x6	1x13	16x13	35°	102	4"	7733-5602-S45

# Drifting and tunneling

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



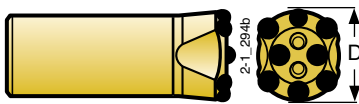
Flushinghole, mm		Buttons, mm		Angle	Dimensions		Bit classification	Part No.
Front	Gauge	Front	Gauge		D			
No	Size	No	Size		mm	in		

### Button bit, CAPP 52



1x5	1x7.5	2x9	5x10	35°	43	1 11/16"	HMCA	7766-5243-S45
1x5	1x7.5	2x9	5x11	30°	45	1 3/4"	HMCA	7766-5245-S45
1x6	1x7.5	2x9	5x11	35°	48	1 7/8"	HMCA	7766-5248-S45

### Button bit, CAPP 54



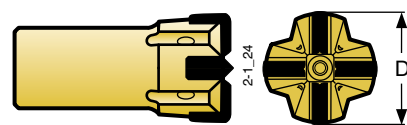
2x6	–	2x9	6x9	40°	43	1 11/16"	SCFAN	7766-5443-R45
2x6	–	2x9	6x10	35°	45	1 3/4"	SCFAN	7766-5445-R45

### Button bit, CAPP 53



3x4.5	1x5	3x8	6x10	30°	45	1 3/4"	MSCFAN	7766-5345A-R45
3x4.5	1x5	3x8	6x10	25°	45	1 3/4"	MCFAN	7766-5345A-S45
3x5	1x5	3x9	6x10	30°	48	1 7/8"	MCFAN	7766-5348A-S45
3x6	1x5	3x9	6x10	35°	51	2"	MSCFAN	7766-5351A-R45
3x6	1x5	3x9	6x10	35°	51	2"	MCFAN	7766-5351A-S45

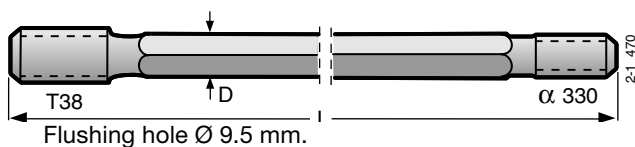
### Cross bit



1x5	2x6				43	1 11/16"		7766-1343-42
1x5	4x6				45	1 3/4"		7766-1345A-42

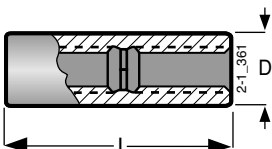
Dimensions	L			D		Part No.
	mm	ft	in	mm	in	

### Drifter rod, T38 - Hex 35 - $\alpha$ 330



3090	10'	1 21/32"	35	1 3/8"	7324-4131-20
3700	12'	1 1/2"	35	1 3/8"	7324-4137-20
4305	14'	1 31/64"	35	1 3/8"	7324-4143-20
4915	16'	1 1/2"	35	1 3/8"	7324-4149-20

### Coupling sleeve T38



T38	191	–	7 1/2"	55	2 5/32"	7314-3355
T38	191	–	7 1/2"	52	2"	7314-3652**

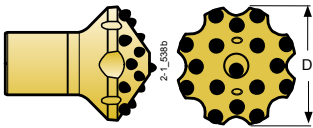
\*\* For high frequency rock drills

# Drifting and tunneling

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

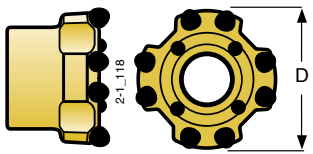
Flushinghole, mm		Buttons, mm			Dimensions		Part No.
Front	Gauge	Front	Gauge	Angle	D		
No Size	No Size	No Size	No Size		mm	in	

### Reaming equipment for cut holes / Reaming bit



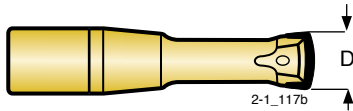
2x6	2x6	1x13	16x13	35°	102	4"	7766-5602-S45
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### Reaming equipment for cut holes / Reaming bit, 12° taper



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

### Reaming equipment for cut holes / Pilot adapter, 12° taper

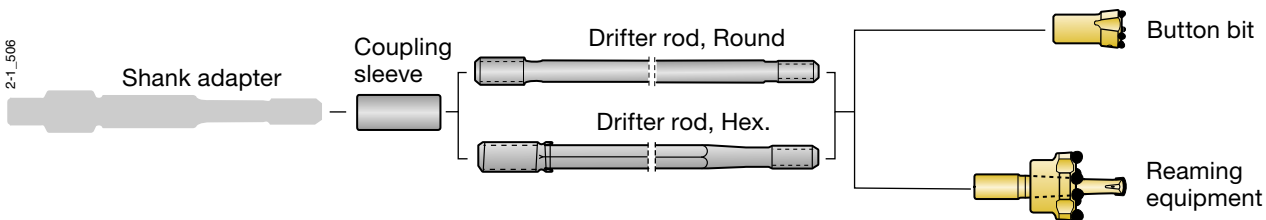


40	1 37/64"	7821-3040
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Thread  $\alpha$ 330

# Drifting and tunneling

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



	Flushinghole, mm		Buttons, mm		Angle	Dimensions		Bit classification	Part No.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		D mm	in		
<b>Button bit, CAPP 53</b>									
	3x5	1x5	3x9	6x10	30°	48	1 7/8"	MCFAN	7738-5348A-S45
	3x5	1x5	3x9	6x10	30°	48	1 7/8"	MCFAN	7738-5348A-R45
	3x5	-	3x9	6x10	30°	48	1 7/8"	MCFAN	7738-5348-S45
	3x5	-	3x9	6x10	30°	48	1 7/8"	MSCFAN	7738-5348-R45
	3x6	-	3x9	6x10	35°	51	2"	MCFAN	7738-5351-S45
	3x6	-	3x9	6x10	35°	51	2"	MSCFAN	7738-5351-R45
	3x6	-	3x9	6x11	30°	54	2 1/5"	MSCFAN	7738-5354-R45

<b>Button bit, CAPP 52</b>									
	1x5	1x7.5	2x9	5x11	35°	48	1 7/8"	HMCA	7738-5248-S45
	1x5	1x7.5	2x10	5x12	35°	51	2"	HMCA	7738-5251-S45

<b>Cross bit, Heavy Duty</b>									
	1x5	2x7.5	-	-	-	48	1 7/8"	-	7738-1448-42

Dimensions  
L mm ft in D mm in Part No.

<b>Drifter rod, T38 - Round 39 - R35</b>									
	4305	14'	1 31/64"	39	1 1/2"	7324-7243-20			
	4915	16'	1 1/2"	39	1 1/2"	7324-7249-20			
	5525	18'	1 33/64"	39	1 1/2"	7324-7255-20			
	6135	20'	1 1/2"	39	1 1/2"	7324-7261-20			

Flushing hole Ø 15 mm.

<b>Drifter rod, T38 - Hex 35 - R35</b>									
	4305	14'	1 31/64"	35	1 3/8"	7324-8543-20			
	4915	16'	1 1/2"	35	1 3/8"	7324-8549-20			
	5525	18'	1 33/64"	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.

<b>Coupling sleeve</b>									
	191	-	7 1/2"	55	2 5/32"	7314-3355			
	191	-	7 1/2"	52	2"	7314-3652*			

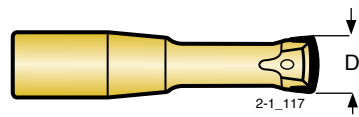
\* For high frequency rock drills

# Drifting and tunneling

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

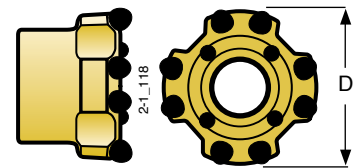
	Buttons, mm		Angle	Dimensions		Part No.
	Front No Size	Gauge No Size		D mm	in	

### Reaming equipment for cut holes / Pilot adapter, 12° taper



Thread						
R35	–	–	–	40	1 37/64"	7821-5440

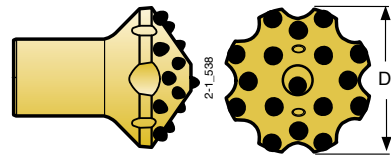
### Reaming equipment for cut holes / Reaming bit, 12° taper



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

	Flushing hole, mm		Buttons, mm		Angle	Dimensions		Part No.
	Front No size	Gauge No Size	Front No Size	Gauge No Size		D mm	in	

### Reaming equipment for cut holes / Reaming bit, R35



2x6	2x6	1x13	16x13	35°	102	4"	7738-5602-S45
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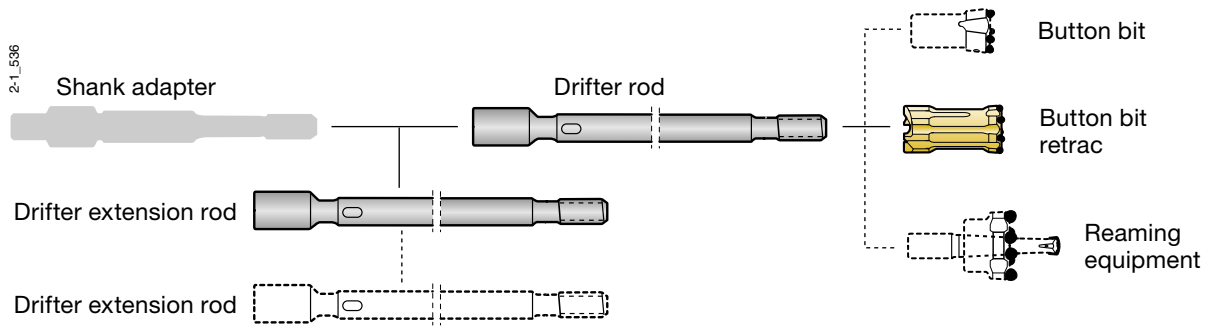
### Shank adapter



See page 87

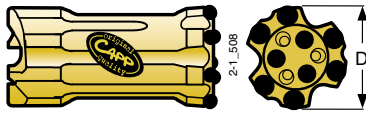
# Drifting and tunneling

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



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

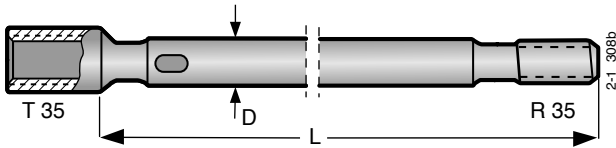
### Button bit, Retrac R35



3	6	-	-	9	11	25°	54	2 1/5"	HMCFVA	7738-7854-S45
3	6	-	-	9	11	30°	54	2 1/5"	MSCFAN	7738-7854-R45

Dimensions			D		Part No.
L mm	ft	in	mm	in	

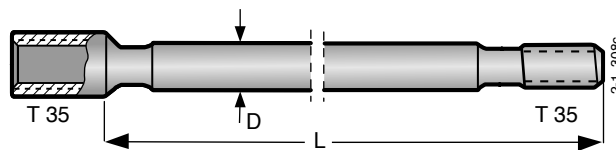
### Drifter rod, T35 - Round 39 - R35



4915	16'	1 1/2"	39	1 1/2"	7327-5249-20
5525	18'	1 33/64"	39	1 1/2"	7327-5255-20
6135	20'	1 1/2"	39	1 1/2"	7327-5261-20

Flushing hole Ø 15 mm.  
Female end OD 48,2 mm.

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



3050	10'	-	39	1 1/2"	7327-4731-20
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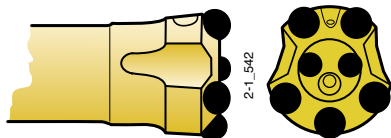
Flushing hole Ø 15 mm.  
Female end OD 48,2 mm.

# Drifting and tunnelling

## Sandvik CAPP standard bits

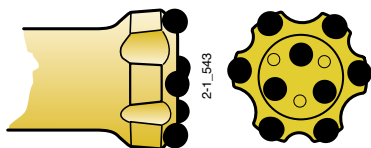
Sandvik CAPP standard bits for drifting and tunnelling are available in three basic designs.

### Type 52



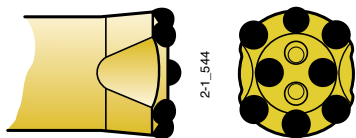
Designed for hard and abrasive rock

### Type 53



Allround design for most types of rock

### Type 54



Designed for soft and less abrasive rock

## Non standard products

The products shown in this catalogue are, with few exceptions, stock standard items. Within our standard range it is possible to find products suitable for the majority of drilling conditions. Outside of this range we however undertake to manufacture non standard products to suit very special conditions.

## Options

Following options are available for non standard CAPP bits for drifting and tunnelling. When ordering non-standard products, a letter that describes the option must be included in the Part No.

Example: An R32, CAPP 53, 45mm bit with an extra hole for side flushing, will get the Part No.: 7733-5345A-S45.

**A** = One extra hole for side flushing

**B** = Two extra holes for side flushing

**C** = Grooves for front flushing (53 type >48mm)

**D** = Grooves for front flushing and one extra hole for side flushing (53 type >48mm)

**E** = Grooves for front flushing and two extra holes for side flushing (53 type >48mm)

**F** = One size smaller gauge buttons (53/54 type)

Note: If a bit has one hole for side flushing as standard, an A in the Part No. will give the bit one **extra** hole for side flushing, e.g. the bit will have two holes for side flushing.

## Options - Cemented Carbide Grades

Cemented carbide grade is indicated with the last letter and two digits in the Part No.

Following cemented carbide grades are available as non-standard.

**S65** = Spherical DP65 buttons on 52 and 53 type

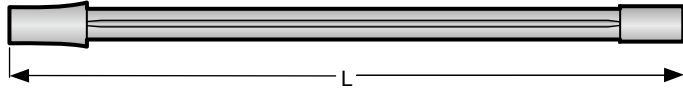
**R65** = Ballistic DP65 buttons on 53 type >43mm

**R55** = Ballistic DP55 buttons on 53 and 54 type >43mm

# Rock bolting

## Sandvik RX300 expandable rock bolts

### ERB 120

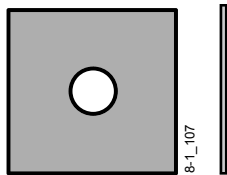


		Length L mm	Weight kg	Part No.
		600	1,20	7970-600-01
		900	1,80	7970-900-01
		1.200	2,40	7970-1200-01
		1.500	3,00	7970-1500-01
		1.600	3,20	7970-1600-01
		1.800	3,60	7970-1800-01
		2.000	4,00	7970-2000-01
		2.100	4,20	7970-2100-01
		2.400	4,80	7970-2400-01
		2.700	5,40	7970-2700-01
		3.000	6,00	7970-3000-01
		3.300	6,60	7970-3300-01
		3.600	7,20	7970-3600-01
		4.000	8,00	7970-4000-01
		4.500	9,00	7970-4500-01
		5.000	10,00	7970-5000-01
		5.500	11,00	7970-5500-01
		6.000	12,00	7970-6000-01
		6.500	13,00	7970-6500-01
		7.000	14,00	7970-7000-01
		7.500	15,00	7970-7500-01
		8.000	16,00	7970-8000-01
		9.000	18,00	7970-9000-01
Steel grade	ST52-3			
Tube thickness	2 mm			
Bolt diameter	28 mm			
Original tube diameter	41 mm			
Bushing head diameter	30-36 mm			
Upper bushing diameter	28 mm			
Hole diameter	32 - 39 mm			
Optimal hole diameter	35- 38 mm			
Breaking load	120 kN			
Minimum elongation	20 %			
Typical elongation	up to 30 %			

Other product lengths are available upon request.  
The Part No. indicates the length of the bolt in mm.

		Dimensions mm	Weight kg	Part No.
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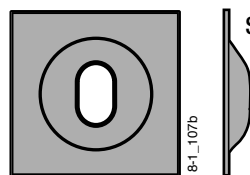
### Face plate for ERB 120



Flat

Steel grade ST37

Flat	150 x 150 x 6	1,08	7970-P156
Flat	150 x 150 x 8	1,44	7970-P158
Flat	200 x 200 x 6	1,92	7970-P206



Domed

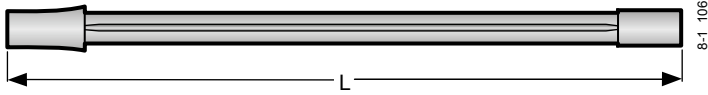
Steel grade ST37

Domed	150 x 150 x 6	1,08	7970-P156D
Domed	150 x 150 x 8	1,44	7970-P158D
Domed	200 x 200 x 6	1,92	7970-P206D

# Rock bolting

## Sandvik RX300 expandable rock bolts

### ERB 160 / 160+



	ERB 160	ERB 160+
Steel grade	S 355 MC	EN 10025-S 355JR
Tube thickness	2 mm	2 mm
Bolt diameter	38 mm	38 mm
Original tube diameter	54 mm	54 mm
Profile diameter	36 mm	36 mm
Bushing head diameter	41/48 mm	41/48 mm
Upper bushing diameter	38 mm	38 mm
Hole diameter	43 - 52 mm	43 - 52 mm
Optimal hole diameter	45 - 51 mm	45 - 51 mm
Breaking load	160 kN	160 kN
Minimum elongation	10 %	20 %

Length L mm	Weight kg	Part No.
1.800	5,22	7972-1800-xx
2.100	6,09	7972-2100-xx
2.400	6,96	7972-2400-xx
2.700	7,83	7972-2700-xx
3.000	8,70	7972-3000-xx
3.300	9,57	7972-3300-xx
3.600	10,44	7972-3600-xx
4.000	11,60	7972-4000-xx
4.500	13,05	7972-4500-xx
5.000	14,50	7972-5000-xx
5.500	15,95	7972-5500-xx
6.000	17,40	7972-6000-xx

#### Code key

7971-xxxx-xx

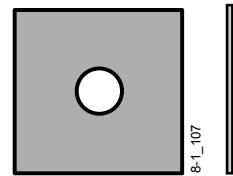
- 0 No corrosion protection
- 1 Transport protection
- 2 Service life protection

- 1 Standard
- 2 Super (+)

Length of the bolt in mm

Other lengths are available upon request

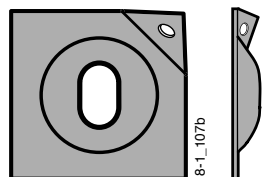
### Face plate for ERB 160



Flat

Steel grade ST37

	Dimensions mm	Weight kg	Part No.
Flat	150 x 150 x 6	1,08	7971-P156
Flat	150 x 150 x 8	1,44	7971-P158



Domed

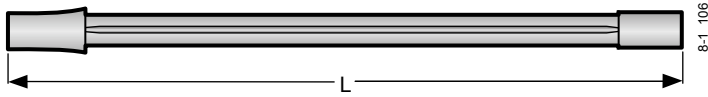
Steel grade ST37

	Dimensions mm	Weight kg	Part No.
Domed	150 x 150 x 4	0,66	7971-P154D

# Rock bolting

## Sandvik RX300 expandable rock bolts

### ERB 240 / 240+

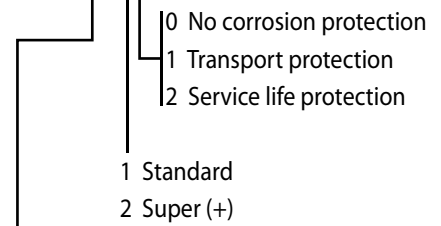


	ERB 240	ERB 240+
Steel grade	S 355 MC	EN 10025-S 355JR
Tube thickness	3 mm	3 mm
Bolt diameter	38 mm	38 mm
Original tube diameter	54 mm	54 mm
Profile diameter	36 mm	36 mm
Bushing head diameter	41/48 mm	41/48 mm
Upper bushing diameter	38 mm	38 mm
Hole diameter	43 - 52 mm	43 - 52 mm
Optimal hole diameter	45 - 51 mm	45 - 51 mm
Breaking load	240 kN	240 kN
Minimum elongation	10 %	20 %

Length L mm	Weight kg	Part No.
1.800	7,20	7971-1800-xx
2.100	8,40	7971-2100-xx
2.400	9,60	7971-2400-xx
2.700	10,80	7971-2700-xx
3.000	12,00	7971-3000-xx
3.300	13,20	7971-3300-xx
3.600	14,40	7971-3600-xx
4.000	16,00	7971-4000-xx
4.500	18,00	7971-4500-xx
5.000	20,00	7971-5000-xx
5.500	22,00	7971-5500-xx
6.000	24,00	7971-6000-xx

#### Code key

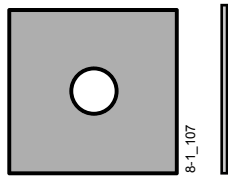
7972-xxxx-xx



Length of the bolt in mm

Other lengths are available upon request

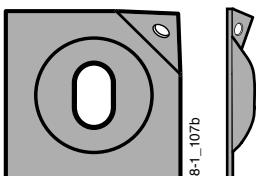
### Face plate for ERB 240



Flat

Steel grade ST37

	Dimensions mm	Weight kg	Part No.
Flat	150 x 150 x 6	1,08	7971-P156
Flat	150 x 150 x 8	1,44	7971-P158



Domed

Steel grade ST37

Domed	150 x 150 x 4	0,66	7971-P154D
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