

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels
Equipamiento especial para el avance en galerías túneles



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Equipamiento especial para el avance en galerías túneles

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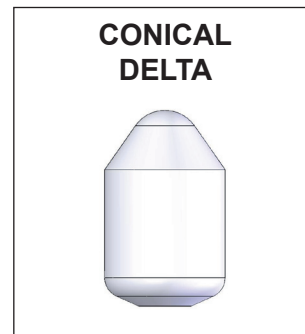
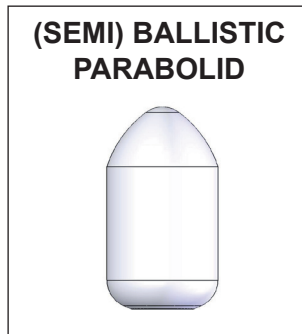
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CARBIDE PROFILE DESIGN



HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

All threaded bits are available in various flushing hole configuration.

Alle Gewindebohrkronen sind mit verschiedenen Spülkanalausführungen erhältlich.

Nous pouvons fournir les taillants à profil fileté avec différents dispositifs d'injection.

Las brocas roscadas se pueden conseguir con diferentes tubos de barrido.

Blade bits are 1 mm bigger in diameter than the measurements in the catalogue.

Button bits are 1-2 mm bigger in diameter than the measurements in the catalogue.

Plattenbohrkronen sind 1 mm größer als das Nennmaß im Katalog.

Stiftbohrkronen sind 1-2 mm größer als das Nennmaß im Katalog.

Les dimensions des taillants à plaques sont 1 mm plus grandes que celles indiquées dans le catalogue.

Les dimensions des taillants à métal dur sont de 1 à 2 mm plus grandes que celles indiquées dans le catalogue.

Las medidas de las Broca con placas son 1 mm más grandes que las medidas del catálogo.

Las medidas de las Broca con botones son 1-2 mm más grandes que las medidas del catálogo.

Drifting and Tunnelling tools

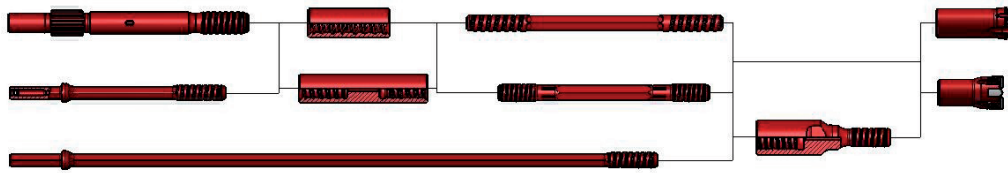
Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

Equipamiento especial para el avance en galerías túneles



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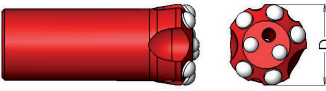
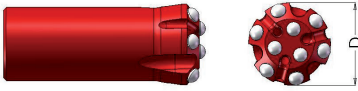
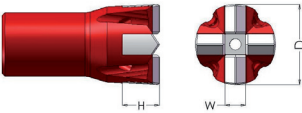
R 25 (1")

Bit Thread

Kronengewinde

Filetage de Taillant

Broca roscada

Bit Bohrkrone Taillant Broca	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro						D		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	Carbide design	Gauge / Umfang exterieur / exterior		Front / Stirnseite front / frontal		[mm]	[in]			
		[No.]	[mm]	[No.]	[mm]					
Button bit / Stiftbohrkrone Taillant à boutons métal dur Broca de botones 	1)	HEM	5	7	2	7	33	1 5/16"	0.33	44847
	1)	BAL	5	7	2	7	33	1 5/16"	0.33	44616
	1)	HEM	5	8	2	7	35	1 3/8"	0.44	44741
	1)	BAL	5	8	2	7	35	1 3/8"	0.44	44647
		HEM	5	9	2	7	38	1 1/2"	0.56	44617
		BAL	5	9	2	7	38	1 1/2"	0.56	44754
		HEM	5	9	2	9	41	1 5/8"	0.61	44673
		BAL	5	9	2	9	41	1 5/8"	0.61	44677
		HEM	5	9.5	2	8	43	1 11/16"	0.63	44623
		BAL	5	9.5	2	8	43	1 11/16"	0.63	44991
		HEM	5	10	2	9	45	1 3/4"	0.78	44602
		BAL	5	10	2	9	45	1 3/4"	0.78	44603
		HEM	5	11	2	8	48	1 7/8"	0.82	44326
		BAL	5	11	2	8	48	1 7/8"	0.82	44327
		HEM	5	11	2	10	51	2"	0.88	44328
		BAL	5	11	2	10	51	2"	0.88	44329
	B2									
		HEM	6	9	3	8	45	1 3/4"	0.78	44618
		BAL	6	9	3	8	45	1 3/4"	0.78	44619
		HEM	6	9	3	9	48	1 7/8"	0.89	44624
		BAL	6	9	3	9	48	1 7/8"	0.89	44625
		HEM	6	10	3	9.5	51	2"	1.00	44767
		BAL	6	10	3	9.5	51	2"	1.00	44626
		HEM	6	10	3	10	57	2 1/4"	1.31	44629
		BAL	6	10	3	10	57	2 1/4"	1.31	44632
B3										
			Width / Breite largeur / ancho W [mm]		Height / Höhe hauteur / alto H [mm]					
Cross design multi use / Kreuzschneide Taillant en croix / Broca en cruz uso multiple 	1)		8		14		35	1 3/8"	0.38	49673
			8		14		38	1 1/2"	0.48	49600
			8		14		41	1 5/8"	0.59	49601
			8		14		45	1 3/4"	0.79	49603
			9.5		19		48	1 7/8"	0.92	49640
			9.5		19		51	2"	0.97	49660
			9.5		19		57	2 1/4"	1.09	49658

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

1) = Only for single rod drilling / Nur für das Bohren mit einer Stange geeignet / Uniquement propre au forage à l'aide d'un seul tige / Solamente para perforación con una barra

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

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R 25 (1")

Bit Thread
Kronengewinde
Filetage de Taillant
Broca roscada

Tunnelling rod Tunnelstange Tige tunnels Barra de túnel	L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°			
	[mm]	[ft in]					
R25 – Hex 25 – R25 / Ø 8.6 mm R 1" – Hex 1" – R 1" / Ø 11/32"	610	2'	2.20	47199			
	915	3'	3.55	14943			
	1220	4'	4.50	14944			
	1525	5'	5.70	41565			
	1830	6'	6.90	14946			
	2435	8'	9.20	14947			
	3050	10'	11.60	14926			
3660	12'	13.90	41560				
R32 – Hex 25 – R25 / Ø 8.6 mm R 1 1/4" – Hex 1" – R 1" / Ø 11/32"	1830	6'	7.25	43803			
	2130	7'	8.40	11165			
	2475	8' 1 1/2"	9.60	11166			
	2795	9' 2"	10.80	43873			
	3090	10' 1 1/2"	12.00	11167			
	3700	12' 1 1/2"	14.40	11553			
R32 – Hex 28 – R25 / Ø 8.8 mm R 1 1/4" – Hex 1 1/8" – R 1" / Ø 11/32"	3090	10' 1 1/2"	15.00	47068			
	3700	12' 1 1/2"	18.50	47069			
R38 – Hex 28 – R25 / Ø 8.8 mm R 1 1/2" – Hex 1 1/8" – R 1" / Ø 11/32"	3090	10' 1 1/2"	15.50	43731			
	3700	12' 1 1/2"	19.00	43776			
Coupling Muffe Manchon Acople	Thread Gewinde Filet Rosca	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
		[mm]	[in]	[mm]	[in]		
	R25	35	1 3/8"	150	6"	0.60	13332
	R32	44	1 47/64"	150	6"	0.95	13308
	R38	55	2 11/64"	170	6 11/16"	1.75	13302
Full bridge / Mittelsteg / Nervure centrale / Nervio central 	R25	35	1 3/8"	200	7 7/8"	1.20	17233
	R32	44	1 47/64"	200	7 7/8"	1.50	17234
	R38	55	2 11/64"	210	8 9/32"	2.60	41687

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Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

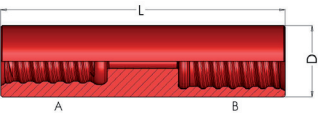
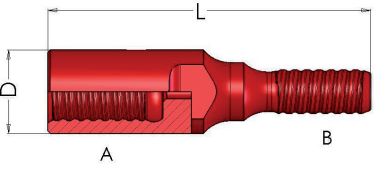
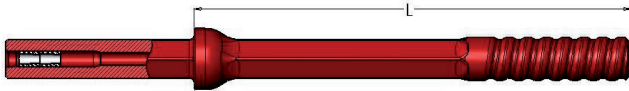
Equipamiento especial para el avance en galerías túneles



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R 25 (1")

Bit Thread
Kronengewinde
Filetage de Taillant
Broca roscada

Coupling adapter / Full bridge Übergangsmuffe / Mittelsteg Manchon d'adaptation / Nervure centrale Acople adaptador / Nervio central	Thread Gewinde Filet Rosca		D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	A	B	[mm]	[in]	[mm]	[in]		
	R22	R25	35	1 3/8"	165	6 1/2"	0.80	48504
	R25	R28	38	1 1/2"	170	6 11/16"	1.00	48505
	R25	R32	44	1 47/64"	200	7 7/8"	1.50	17235
Bit adapter Übergangsstück Manchon d'adaptation Adaptador de broca								
	R25	R28	44	1 47/64"	185	7 9/32"	1.25	11424
	R25	R32	44	1 47/64"	185	7 9/32"	1.20	11425
Shank rod Einsteckstange Tige d'emmanchement Barra con espiga								
								
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Drifting and Tunnelling tools

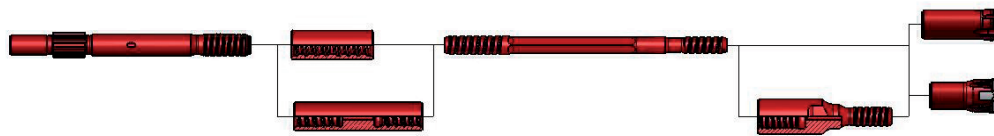
Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

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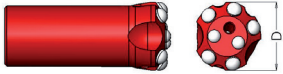
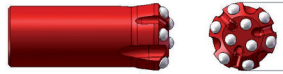
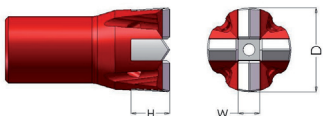
R 28 (1 1/8")

Bit Thread

Kronengewinde

Filetage de Taillant

Broca roscada

Bit Bohrkrone Taillant Broca		Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
		Carbide design	Gauge / Umfang extérieur / exterior		Front / Stirnseite front / frontal		[mm]			[in]
			[No.]	[mm]	[No.]	[mm]				
Button bit / Stifbohrkrone Taillant à boutons métal dur Broca de botones 	1)	HEM	5	8	2	7	36	1 13/32"	0.42	44792
	1)	BAL	5	8	2	7	36	1 13/32"	0.42	44990
	1) 2)	HEM	5	8	2	8	38	1 1/2"	0.48	44664
	1)	BAL	5	9	2	7	38	1 1/2"	0.48	44727
	1)	HEM	5	9	2	9	41	1 5/8"	0.56	44628
	1) 2)	BAL	5	9	2	9	41	1 5/8"	0.56	44656
		HEM	5	9.5	2	8	43	1 11/16"	0.68	44994
		BAL	5	9.5	2	8	43	1 11/16"	0.68	44661
		HEM	5	10	2	9	45	1 3/4"	0.72	44729
		BAL	5	10	2	9	45	1 3/4"	0.72	44563
B2										
Button bit / Stifbohrkrone Taillant à boutons métal dur Broca con botones 		HEM	6	9	3	8	45	1 3/4"	0.72	44564
		BAL	6	9	3	8	45	1 3/4"	0.72	44662
		HEM	6	9	3	9	48	1 7/8"	0.89	44683
		BAL	6	9	3	9	48	1 7/8"	0.89	44698
		HEM	6	10	3	9.5	51	2"	0.97	44753
		BAL	6	10	3	9.5	51	2"	0.97	44699
B3										
			Width / Breite largeur / ancho W [mm]		Height / Höhe hauteur / alto H [mm]					
Cross design multi use / Kreuzschneide Taillant en croix / Broca en cruz uso multiple 	1)		8		14		38	1 1/2"	0.43	49604
	1)		8		14		41	1 5/8"	0.45	49605
			8		14		45	1 3/4"	0.65	49607

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

1) = Only for single rod drilling / Nur für das Bohren mit einer Stange geeignet / Uniquement propre au forage à l'aide d'un seul tige / Solamente para perforación con una barra

2) = With face groove / Mit Stirrspülnuten / Avec rainure d'injection frontale / Con ranura de barrido frontal

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Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

Equipamiento especial para el avance en galerías túneles

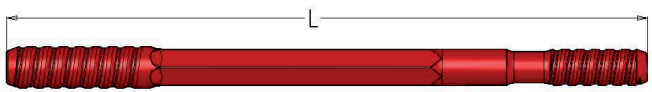
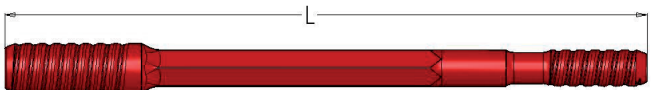
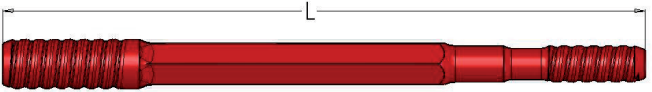
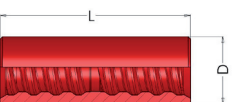
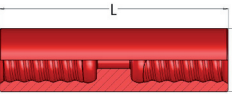
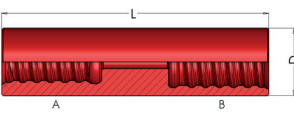
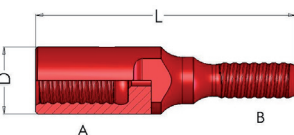


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R 28 (1 1/8")

Bit Thread

Kronengewinde
Filetage de Taillant
Broca roscada

Tunnelling rod Tunnelstange Tige tunnels Barra de túnel	L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°				
	[mm]	[ft in]						
R32 – Hex 28 – R28 / Ø 8.8 mm R 1 1/4" – Hex 1 1/8" – R 1 1/8" / Ø 11/32" 	2475	8' 1 1/2"	11.90	47072				
	2590	8' 6"	12.40	43720				
	3090	10' 1 1/2"	15.15	41634				
	3700	12' 1 1/2"	18.20	41635				
	4005	13' 1 1/2"	19.70	41636				
	4305	14' 1 1/2"	21.20	41632				
R38 – Hex 28 – R28 / Ø 8.8 mm R 1 1/2" – Hex 1 1/8" – R 1 1/8" / Ø 11/32" 	3090	10' 1 1/2"	15.50	47176				
	3700	12' 1 1/2"	18.45	41637				
	4305	14' 1 1/2"	21.60	41633				
R38 – Hex 32 – R28 / Ø 9.6 mm R 1 1/2" – Hex 1 1/4" – R 1 1/8" / Ø 3/8" 	3090	10' 1 1/2"	19.00	47175				
	3700	12' 1 1/2"	23.00	47145				
	4305	14' 1 1/2"	27.10	47146				
	4915	16' 1 1/2"	28.20	47231				
	5525	18' 1 1/2"	34.50	47331				
Coupling Muffe Manchon Acople	Thread Gewinde Filet Rosca	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
		[mm]	[in]	[mm]	[in]			
	R28	39	1 1/2"	150	6"	0.60	41661	
	R32	44	1 47/64"	150	6"	0.95	13308	
	R38	55	2 11/64"	170	6 11/16"	1.75	13302	
Full bridge / Mittelsteg / Nervure centrale Nervio central 	R32	44	1 47/64"	200	7 7/8"	1.50	17234	
	R38	55	2 11/64"	210	8 9/32"	2.60	41687	
Coupling adapter / Full bridge Übergangsmuffe / Mittelsteg Manchon d'adaptation / Nervure centrale Acople adaptador / Nervio central	A	B						
		R25	R28	38	1 1/2"	170	6 11/16"	1.00
R28		R32	44	1 47/64"	170	6 11/16"	1.30	48506
Bit adapter / Übergangsstück Manchon d'adaptation / Adaptador de broca								
		R28	R25	44	1 47/64"	185	7 9/32"	1.30
R25		R28	44	1 47/64"	185	7 9/32"	1.25	11424
R28		R32	44	1 47/64"	185	7 9/32"	1.15	11427

Drifting and Tunnelling tools

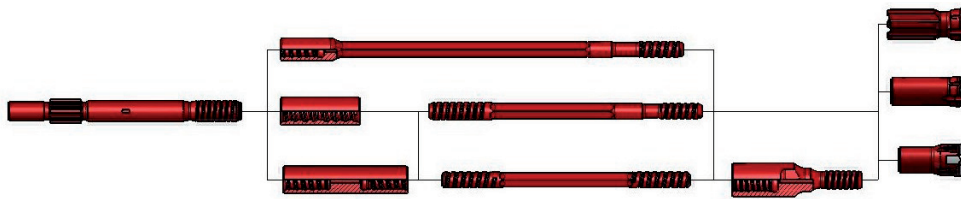
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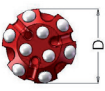




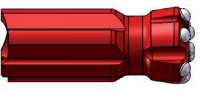

R 32 (1 1/4")

Bit Thread

Kronengewinde

Filetage de Taillant

Broca roscada

Bit Bohrkrone Taillant Broca		Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro		Front / Stirnseite front / frontal		D		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
			Gauge / Umfang extérieur / exterior [No.]	[mm]	Front / Stirnseite front / frontal [No.]	[mm]	[mm]	[in]			
Button bit / Stiftbohrkrone Taillant à boutons métal dur Broca de botones  	B2	1)	HEM	5	9	2	9	41	1 5/8"	0.61	44649
		1)	BAL	5	9	2	9	41	1 5/8"	0.61	44650
		1)	HEM	5	9.5	2	8	43	1 11/16"	0.63	44636
		1)	BAL	5	9.5	2	8	43	1 11/16"	0.63	44648
		1)	HEM	5	10	2	9	45	1 3/4"	0.76	44652
		1)	BAL	5	10	2	9	45	1 3/4"	0.76	44651
		2)	HEM	5	11	2	9	48	1 7/8"	0.79	44529
			BAL	5	11	2	9	48	1 7/8"	0.79	44659
			HEM	5	12.7	2	10	51	2"	0.84	44757
			BAL	5	11	2	10	51	2"	0.84	44567
 	B3	1)	HEM	6	9	3	8	45	1 3/4"	0.72	44675
		1)	HEM	6	10	3	8	45	1 3/4"	0.72	44726
		1)	BAL	6	9	3	8	45	1 3/4"	0.72	44704
		1)	BAL	6	10	3	8	45	1 3/4"	0.72	44728
			HEM	6	9	3	9	48	1 7/8"	0.78	44690
			BAL	6	9	3	9	48	1 7/8"	0.78	44787
			HEM	6	10	3	9.5	51	2"	0.83	44756
			BAL	6	10	3	9.5	51	2"	0.83	44802
			HEM	6	10	3	10	57	2 1/4"	1.14	44730
			BAL	6	10	3	10	57	2 1/4"	1.14	44791
 	B	1)	HEM	6	8	2	8	41	1 5/8"	0.61	44803
		1)	BAL	6	8	2	8	41	1 5/8"	0.61	44347
		1)	HEM	6	8	2	8	43	1 11/16"	0.70	44716
		1)	BAL	6	8	2	8	43	1 11/16"	0.70	44717
		1)	HEM	6	9	2	9	45	1 3/4"	0.74	44740
		1)	BAL	6	9	2	9	45	1 3/4"	0.74	44755
 	B6	1)	HEM	6	10	3	8	45	1 3/4"	0.72	44247
		1)	BAL	6	10	3	8	45	1 3/4"	0.72	44248
			HEM	6	10	3	8	48	1 7/8"	0.78	44230
			BAL	6	10	3	8	48	1 7/8"	0.78	44231
			HEM	6	9	3	9	48	1 7/8"	1.00	44540
 	Flat Face / Retrac		BAL	6	9	3	9	48	1 7/8"	1.00	44542
			HEM	6	10	3	9.5	51	2"	1.12	41174
			BAL	6	10	3	9.5	51	2"	1.12	44758
			HEM	6	10	3	10	57	2 1/4"	1.60	41173
			BAL	6	10	3	10	57	2 1/4"	1.60	44806

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

1) = Only for single rod drilling / Nur für das Bohren mit einer Stange geeignet / Uniquement propre au forage à l'aide d'un seul tige / Solamente para perforación con una barra

2) = With 2 side flush holes / Mit 2 Seitenspülbohrungen / Avec 2 trous d'injection laterale / Con 2 tubos de barrido lateral

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Equipement spécial pour percement de galeries et tunnels

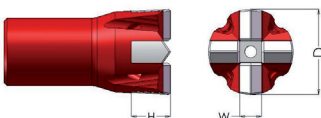
Equipamiento especial para el avance en galerías túneles



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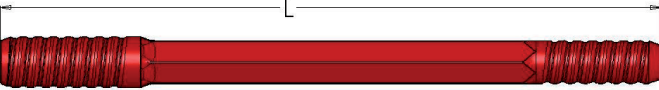
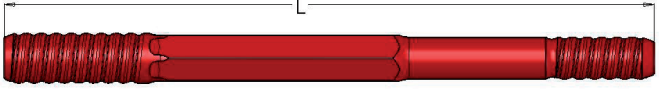
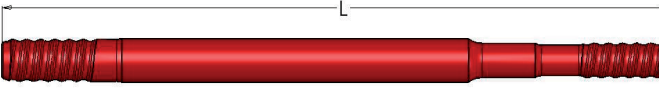
R 32 (1 1/4")

Bit Thread
Kronengewinde
Filetage de Taillant
Broca roscada

Bit Bohrkrone Taillant Broca	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro		D		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
	Width / Breite largeur / ancho W [mm]	Height / Höhe hauteur / alto H [mm]	[mm]	[in]			
Cross design multi use / Kreuzschneide Taillant en croix / Broca en cruz uso multiple 	1)	8	14	41	1 5/8"	0.56	49608
	1)	11.5	19	45	1 3/4"	0.72	49615
	1)	9.5	19	48	1 7/8"	0.92	49616
		9.5	19	51	2"	1.10	49617
		9.5	19	57	2 1/4"	1.35	49618

1) = Only for single rod drilling / Nur für das Bohren mit einer Stange geeignet / Uniquement propre au forage à l'aide d'un seul tige / Solamente para perforación con una barra

2) = With 2 side flush holes / Mit 2 Seitenspülbohrungen / Avec 2 trous d'injection laterale / Con 2 tubos de barrido lateral

Tunnelling rod Tunnelstange Tige tunnels Barra de túnel	L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	[mm]	[ft in]		
R32 – Hex 32 – R32 / Ø 9.6 mm R 1 1/4" – Hex 1 1/4" – R 1 1/4" / Ø 3/8" 	2475	8' 1 1/2"	15.30	47089
	3090	10' 1 1/2"	19.30	47100
	3700	12' 1 1/2"	23.10	41646
	4305	14' 1 1/2"	27.00	41622
	R38 – Hex 32 – R32 / Ø 9.6 mm R 1 1/2" – Hex 1 1/4" – R 1 1/4" / Ø 3/8" 	2475	8' 1 1/2"	14.10
3090		10' 1 1/2"	19.70	47058
3700		12' 1 1/2"	23.50	47059
4005		13' 1 1/2"	25.40	47154
4305		14' 1 1/2"	27.40	47060
4610		15' 1 1/2"	29.30	11142
R38 – Hex 35 – R32 / Ø 9.5 mm R 1 1/2" – Hex 1 3/8" – R 1 1/4" / Ø 3/8" 	3090	10' 1 1/2"	23.40	47198
	3700	12' 1 1/2"	28.10	47165
	4305	14' 1 1/2"	32.90	47148
	4915	16' 1 1/2"	37.60	47149
	5525	18' 1 1/2"	42.50	47179
R38 – RD 39 – R32 / Ø 10,3 mm R 1 1/2" – RD 1 1/2" – R 1 1/4" / Ø 37/64" 	4305	14' 1 1/2"	37.90	43750

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

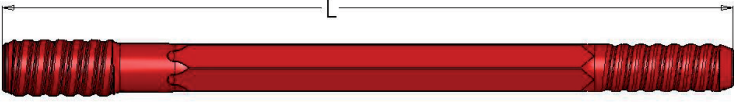
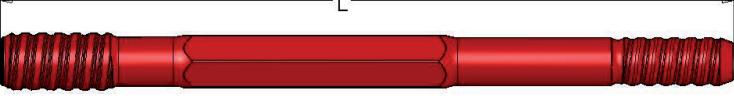
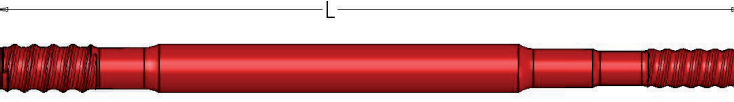
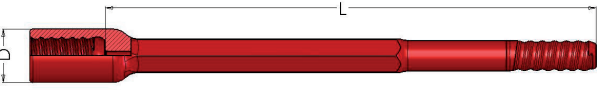
Equipamiento especial para el avance en galerías túneles



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R 32 (1 1/4")

Bit Thread
Kronengewinde
Filetage de Taillant
Broca roscada

Tunnelling rod Tunnelstange Tige tunnels Barra de túnel	L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°		
	[mm]	[ft in]				
T38 – Hex 32 – R32 / Ø 9.6 mm T 1 1/2" – Hex 1 1/4" – R 1 1/4" / Ø 3/8" 	2475	8' 1 1/2"	14.10	43765		
	3090	10' 1 1/2"	19.70	11383		
	3700	12' 1 1/2"	23.50	11384		
	4305	14' 1 1/2"	27.40	11386		
	4915	16' 1 1/2"	31.30	11388		
T38 – Hex 35 – R32 / Ø 9.5 mm T 1 1/2" – Hex 1 3/8" – R 1 1/4" / Ø 3/8" 	3090	10' 1 1/2"	23.40	43743		
	3700	12' 1 1/2"	28.10	47161		
	4305	14' 1 1/2"	32.90	47150		
	4915	16' 1 1/2"	37.60	47151		
	5525	18' 1 1/2"	42.50	47204		
T38 – RD 39 – R32 / Ø 14.5 mm T 1 1/2" – RD 1 1/2" – R 1 1/4" / Ø 37/64" 	4305	14' 1 1/2"	37.00	43987		
	4915	16' 1 1/2"	39.80	43604		
	5525	18' 1 1/2"	44.20	43605		
	6135	20' 1 1/2"	49.00	43635		
	6400	21'	51.70	43631		
	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	[mm]	[in]	[mm]	[ft in]		
MF-rod T38F – Hex 35 – R32 / Ø 9.5 mm T 1 1/2" – Hex 1 3/8" – R 1 1/4" / Ø 3/8" 	56	2 7/32"	3090	10' 1 1/2"	25.10	47332
	56	2 7/32"	3700	12' 1 1/2"	29.10	47297
	56	2 7/32"	4305	14' 1 1/2"	33.70	47300
	56	2 7/32"	4915	16' 1 1/2"	38.60	47301
	56	2 7/32"	5525	18' 1 1/2"	45.00	47246
	56	2 7/32"	6140	20' 1 1/2"	49.00	47380

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

Equipamiento especial para el avance en galerías túneles

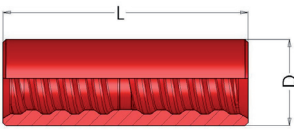
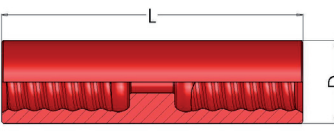
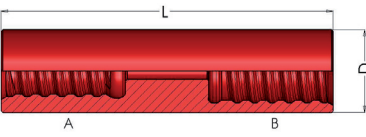
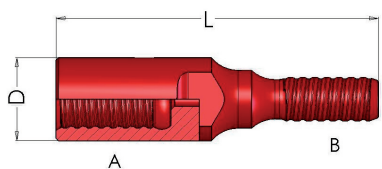


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R 32 (1 1/4")

Bit Thread

Kronengewinde
Filetage de Taillant
Broca roscada

Coupling Muffe Manchon Acople	Thread Gewinde Filet Rosca	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
		[mm]	[in]	[mm]	[in]			
	R32	44	1 47/64"	150	6"	0.95	13308	
	R38	55	2 11/64"	170	6 11/16"	1.75	13302	
	T38	55	2 11/64"	190	7 1/2"	1.95	14844	
Full bridge / Mittelsteg / Nervure centrale Nervio central 	R32	44	1 47/64"	200	7 7/8"	1.50	17234	
	R38	55	2 11/64"	210	8 9/32"	2.60	41687	
	T38	55	2 11/64"	205	8 5/64"	2.40	41670	
Coupling adapter / Full bridge Übergangsmuffe / Mittelsteg Manchon d'adaptation / Nervure centrale Acople adaptador / Nervio central	A	B						
	R25	R32	44	1 47/64"	200	7 7/8"	1.70	17235
	R28	R32	44	1 47/64"	170	6"	1.30	48506
	R32	R38	55	2 11/64"	205	8 5/64"	2.60	17236
	R32	T38	55	2 11/64"	205	8 5/64"	2.60	41675
	R32	T45	63	2 31/64"	215	8 15/32"	3.60	41680
Bit adapter Übergangsstück Manchon d'adaptation Adaptador de broca								
	R25	R32	44	1 47/64"	185	7 9/32"	1.20	11425
	R28	R32	44	1 47/64"	185	7 9/32"	1.15	11427
	R32	R38	44	1 47/64"	270	10 5/8"	2.30	11426
	R32	T38	44	1 47/64"	270	10 5/8"	2.50	48585
	R32	T45	44	1 47/64"	360	14 3/16"	3.90	41694
	R38	R32	55	2 11/64"	280	11 1/32"	2.50	48645
	T38	R32	55	2 11/64"	280	11 1/32"	2.50	48586

Drifting and Tunnelling tools

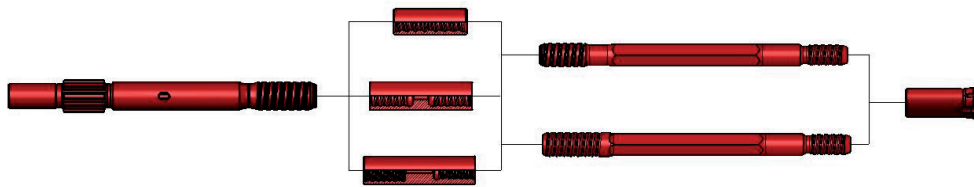
Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

Equipamiento especial para el avance en galerías túneles




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ROCKMORE XR 32 (1 1/4")

Bit Thread
Kronengewinde
Filetage de Taillant
Broca roscada

Bit Bohrkrone Taillant Broca		Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
		Carbide design	Gauge / Umfang extérieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]			[in]
Button bit / Stiftbohrkrone Taillant à boutons métal dur Broca de botones	1)	HEM	6	10	3	8	45	1 3/4"	0.72	44269
	1)	BAL	6	10	3	8	45	1 3/4"	0.72	44270
B3 	1)	HEM	6	10	3	8	45	1 3/4"	0.72	44244
	1)	BAL	6	10	3	8	45	1 3/4"	0.72	44245

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos
BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos
CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

1) = Only for single rod drilling / Nur für das Bohren mit einer Stange geeignet / Uniquement propre au forage à l'aide d'un seul tige / Solamente para perforación con una barra

Tunnelling rod Tunnelstange Tige tunnel Barra de túnel	L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	[mm]	[ft in]		
R38 – Hex 35 – XR32 / Ø 9.5 mm T 1 1/2" – Hex 1 3/8" – XR 1 1/4" / Ø 3/8"	3700	12' 1 1/2"	23.50	43614
	4305	14' 1 1/2"	27.40	43640
	4915	16' 1 1/2"	31.30	43615
T38 – Hex 35 – XR32 / Ø 9.5 mm T 1 1/2" – Hex 1 3/8" – XR 1 1/4" / Ø 3/8"	3700	12' 1 1/2"	28.10	43613
	4305	14' 1 1/2"	32.90	43638
	4915	16' 1 1/2"	37.60	43641

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

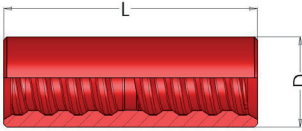
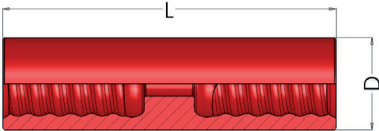
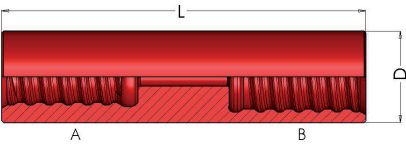
Equipamiento especial para el avance en galerías túneles



ROCKMORE
INTERNATIONAL

ROCKMORE XR 32 (1 1/4")

Bit Thread
Kronengewinde
Filetage de Taillant
Broca roscada

Coupling Muffe Manchon Acople	Thread Gewinde Filet Rosca	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
		[mm]	[in]	[mm]	[in]		
	R38	55	2 11/64"	170	6 11/16"	1.75	13302
	T38	55	2 11/64"	190	7 1/2"	1.95	14844
Full bridge / Mittelsteg / Nervure centrale Nervio central 	R38	55	2 11/64"	210	8 9/32"	2.60	41687
	T38	55	2 11/64"	205	8 5/64"	2.40	41670
Coupling adapter / Full bridge Übergangsmuffe / Mittelsteg Manchon d'adaptation / Nervure centrale Acople adaptador / Nervio central	A						
	B						
	R32	55	2 11/64"	205	8 5/64"	2.60	17236
	R38	55	2 11/64"	205	8 5/64"	2.60	41675

Drifting and Tunnelling tools

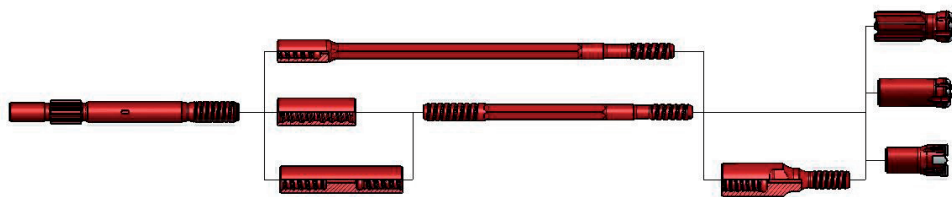
Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

Equipamiento especial para el avance en galerías túneles



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INTERNATIONAL




R 35 (1 3/8")

Bit Thread

Kronengewinde

Filetage de Taillant

Broca roscada




Bit Bohrkrone Taillant Broca	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro					D		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	Carbide design	Gauge / Umfang exterieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]		
Button bit / Stifbohrkrone Taillant à boutons métal dur Broca de botones 	HEM	6	9	3	9	48	1 7/8"	0.78	44833
	BAL	6	9	3	9	48	1 7/8"	0.78	44911
	HEM	6	10	3	9.5	51	2"	0.83	44834
	BAL	6	10	3	9.5	51	2"	0.83	44913

B3

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Delta Stift auf Anfrage / Boutons Delta sur demande / Botones conicos a solicitud

Tunnelling rod Tunnelstange Tige tunnel Barra de túnel	L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
	[mm]	[ft in]		
R38 – Hex 35 – R35 / Ø 9.5 mm R 1 1/2" – Hex 1 3/8" – R 1 3/8" / Ø 3/8" 	4305	14' 1 1/2"	32.20	43854
	4915	16' 1 1/2"	37.90	43855
	5525	18' 1 1/2"	42.80	43816
R38 – RD 39 – R35 / Ø 14.5 mm R 1 1/2" – RD 1 1/2" – R 1 3/8" / Ø 37/64" 	4305	14' 1 1/2"	37.90	43919
	4915	16' 1 1/2"	39.20	43681
	5525	18' 1 1/2"	44.50	43682
T38 – Hex 35 – R35 / Ø 9.5 mm T 1 1/2" – Hex 1 3/8" – R 1 3/8" / Ø 3/8" 	4305	14' 1 1/2"	33.20	43856
	4915	16' 1 1/2"	37.90	43857
	5525	18' 1 1/2"	42.80	43721
	6140	20' 1 1/2"	47.30	43633

Drifting and Tunnelling tools

Strecken- und Tunnelvortriebsausrüstung

Équipement spécial pour percement de galeries et tunnels

Equipamiento especial para el avance en galerías túneles


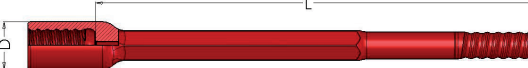
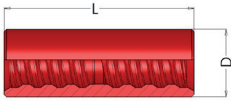
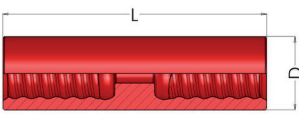
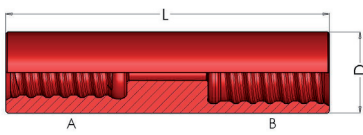


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R 35 (1 3/8")

Bit Thread

Kronengewinde
Filetage de Taillant
Broca roscada

Tunnelling rod Tunnelstange Tige tunnel Barra de túnel	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°		
	[mm]	[in]	[mm]	[ft in]				
T38 – RD 39 – R35 / Ø 14.5 mm T 1 1/2" – RD 1 1/2" – R 1 3/8" / Ø 37/64" 			4305	14' 1 1/2"	34.80	43763		
			4915	16' 1 1/2"	39.20	43920		
			5525	18' 1 1/2"	44.50	43761		
			6135	20' 1 1/2"	49.00	43737		
			6400	21'	50.00	43601		
MF-rod T38F – Hex 35 – R35 / Ø 9.5 mm T 1 1/2" F – Hex 1 3/8" – R 1 3/8" / Ø 3/8" 	56	2 7/32"	4305	14' 1 1/2"	34.00	43849		
	56	2 7/32"	4915	16' 1 1/2"	38.90	43852		
	56	2 7/32"	5525	18' 1 1/2"	45.30	43853		
Coupling Muffe Manchon Acople	Thread Gewinde Filet Rosca	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°	
		[mm]	[in]	[mm]	[in]			
	R38 T38	55	2 11/64"	170	6 11/16"	1.75	13302	
		55	2 11/64"	190	7 1/2"	1.95	14844	
Full bridge / Mittelsteg / Nervure centrale Nervio central 	R38 T38	55	2 11/64"	210	8 9/32"	2.60	41687	
		55	2 11/64"	205	8 5/64"	2.40	41670	
Coupling adapter / Full bridge Übergangsmuffe / Mittelsteg Manchon d'adaptation / Nervure centrale Acople adaptador / Nervio central	A	B	D		L		Weight Gewicht Poids Peso [kg]	Part No. Artikel Nr. N° de réf. Cat. N°
			[mm]	[in]	[mm]	[in]		
	R32 R32	R38 T38	55	2 11/64"	205	8 5/64"	2.60	17236
			55	2 11/64"	205	8 5/64"	2.60	41675