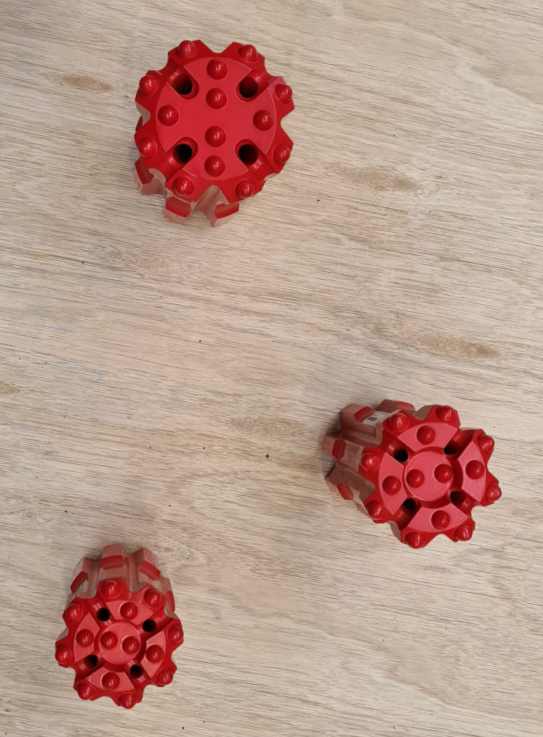




TD RANGE TOP HAMMER

**" YOUR GLOBAL PARTNER
FOR DRILLING EFFICIENCY "**



TECHNICAL ADVICE
AND ON-SITE ASSISTANCE



FRENCH MANUFACTURER
WITH GLOBAL REFERENCES



R&D DEPARTMENT



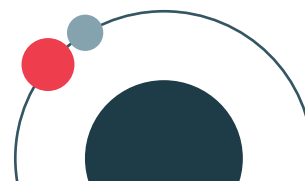
OUR COMMITMENT FOR YOUR SUCCESS

80%
of revenue
made overseas

3,800M
our drilling
deep record

30+
years of drilling
experience

5M+
meters of rods
sold



ALL OUR DRILLING TOOLS FOR...

MINING EXPLORATION

- ▶ REVERSE CIRCULATION
- ▶ WIRELINE CORE DRILLING
- ▶ CONVENTIONAL CORE DRILLING

MINING PRODUCTION QUARRIES BLASTHOLE

- ▶ TOP HAMMER
- ▶ DOWN-THE-HOLE HAMMER (DTH)

GEOTECHNICAL DRILLING

- ▶ CONVENTIONAL CORE DRILLING
- ▶ WIRELINE CORE DRILLING
- ▶ IN SITU TESTS (SHELBY, SPT,
PENETROMETER)
- ▶ ROTARY DRILLING
- ▶ DOWN-THE-HOLE HAMMER (DTH)

WATERWELL GEOTHERMAL DRILLING

- ▶ DOWN THE HOLE HAMMER (DTH)
- ▶ ROTARY DRILLING

CONSTRUCTION

- ▶ ROTARY DRILLING
- ▶ DOWN-THE-HOLE HAMMER (DTH)
- ▶ TOP HAMMER

TD RANGE

TOP HAMMER

Technidril has designed the new TD Range following the expertise of your needs on the top hammer drilling sector. We suggest you tools of premium quality to let you gain in quality and productivity.



● ● ● "T" BITS (pages 6-7)

- Drop center & flat face
- T38, T45, T51, GT60
- Round, semi-ballistic & ballistic buttons
- Standard, standard helicoidal & retrac skirts

● ● ● "T" CYLINDRICAL EXTENSION RODS (pages 8-9)

- Coupling PINxPIN and T38, T45, T51, GT60 adaptor couplings
- T45, T51, GT60 rods PINxBOX
- Lengths 1m - 3.05m - 3.66m - 4.27m
- Adaptors/Couplings BOXxBOX and PINxBOX

● ● ● "R" BITS (page 10)

- Drop center & flat face
- R32, R38
- Round, semi-ballistic & ballistic buttons
- Retracting skirt

● ● ● "R" EXTENSION RODS (page 11)

- Coupling PINxPIN and PINxBOX in R32, R38
- Lengths 0.91m - 0.98m - 1m - 1.52m - 1.83m - 3.05m
- Couplings BOXxBOX
- Adaptors BOXxBOX & PINxBOX

TOP HAMMER BITS PRONES

INCREASED LIFETIME

- European high-strength mechanical steel

OPTIMIZED DESIGN

- Better rise of the cuttings

MANUFACTURING COST OPTIMISATION

- Premium quality, cost effective solutions

NEW HELICOIDAL SKIRT!

- Best cuttings lifting
- Limit deviations



EXTENSION RODS PRONES

INCREASED LIFETIME

- Heat treatment along the entire rod

DECREASE OF DEVIATIONS FOR THE RODS

- Rods forged with high-strength mechanical steel from Europe

MANUFACTURING COST OPTIMISATION

- Premium quality, cost effective solutions



"T" BITS

DROP CENTER BITS

TOP CENTER BITS				injection hole		Button hole				
Reference	Designation	ext. Ø	Skirt	Face	Face 2	Face 3	Gauge 4	Button design	Gauge angle	Thread
34.90376DC	BIT T45 D77	77 - 3"	Standard	4Ø8	2Ø7	5Ø11	8Ø12	Round	35	T45
34.90376RDC	BIT T45 D77		Retrac		1Ø8			Round		
34.90376RSBDC	BIT T45 D77				0			Semi-ballistic		
34.90389DC	BIT T45 D90	90 - 3''1/2	Retrac	4Ø9	0	6Ø12	8Ø13	Rond	35	
34.90389RSBDC	BIT T45 D90							Semi-ballistic		
34.90302RBDC	BIT T45 D103	103 - 4"	Retrac	4Ø10	0	6Ø13	8Ø14	Ballistic	35	
34.90189DC	BIT T51 D90	90 - 3''1/2	Retrac	4Ø9	0	6Ø12	8Ø13	Round	35	T51
34.90189RDC	BIT T51 D90							Round		
34.90189RSBDC	BIT T51 D90							Semi-ballistic		
34.90102DC	BIT T51 D103	103 - 4"	Standard	4Ø11	0	6Ø13	8Ø14	Round		
34.90102RBDC	BIT T51 D103		Retrac	4Ø10				Ballistic		
34.90102RDC	BIT T51 D103							Round		
34.90102RSBDC	BIT T51 D103							Semi-ballistic		
34.90102RSBDC.11	BIT T51 D103							-		
34.90115RDC	BIT T51 D115	115 - 4''1/2	Retrac	4Ø12	0	6Ø14	8Ø14	Round		
34.90127RSBDC	BIT T51 D127	127 - 5"	Retrac	4Ø13		9Ø14	9Ø14	Ballistic		
34.90992RSBDC	BIT GT60 D92	92	Retrac	4Ø9	0	6Ø12	8Ø13	Semi-ballistic	35	GT60
34.90902RSBDC	BIT GT60 D103	103 - 4"		4Ø11		6Ø13	8Ø14			
34.90915RSBDC	BIT GT60 D115	115 - 4''1/2		3Ø13		7Ø14	9Ø16			
34.90915RSBDC.10	BIT GT60 D115	115 - 4"1/2	Retro Helicoidal	4Ø12	1Ø08	6Ø14	8Ø16			
34.90927RSBDC.10	BIT GT60 D127	127 - 5"		5Ø10		5Ø16+ 2Ø14	10Ø16			
34.90940RSBDC.10	BIT GT60 D140	140 -5"1/2		4Ø14		5Ø16+4Ø14	8Ø16			

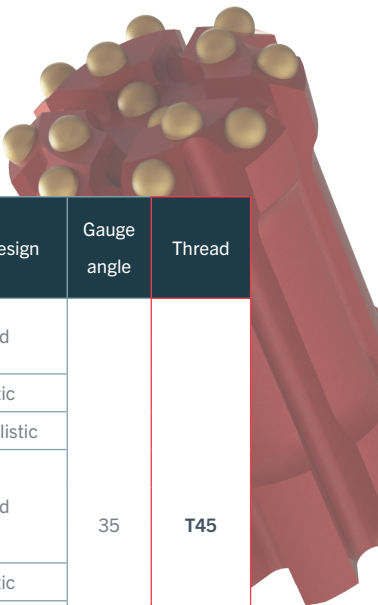
FLAT FACE BITS T38

34.90664	BIT T38 D65	65 - 2''1/2	Standard	3Ø7	1Ø6	3Ø11	6Ø12	Round	35	T38
34.90664R	BIT T38 D65		Retrac							
34.90676	BIT T38 D77	77 - 3''	Standard	2Ø10	0	4Ø11	8Ø12			
34.90676R	BIT T38 D77		Retrac			4Ø12				
34.90689	BIT T38 D90	90 - 3''1/2	Standard	2Ø13	2Ø7	5Ø12				
34.90689.12	BIT T38 D90		Standard			3Ø	2Ø8			

"T" BITS

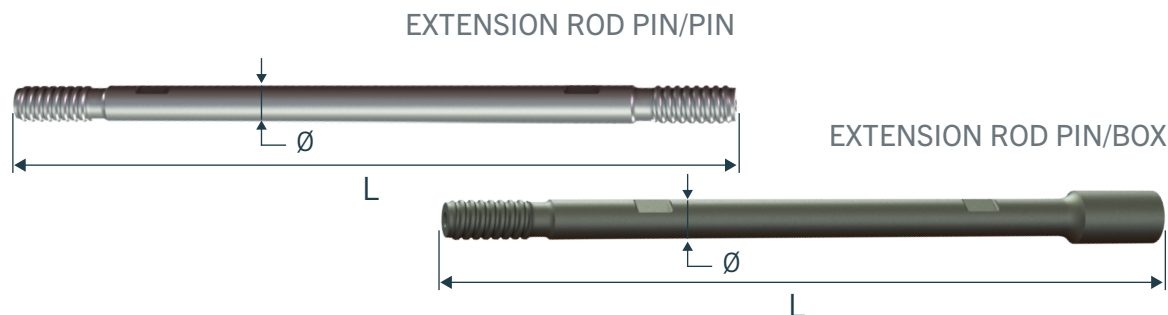
FLAT FACE BITS T45 - T51

LAT FACE BITS T45 - T51				injection hole		Button hole								
Reference	Designation	ext. Ø	Skirt	Face	Face 2	Face 3	Gauge 4	Button design	Gauge angle	Thread				
34.90376.12	BIT T45 D77	77 - 3"	Standard	3Ø	-	-		Round	35	T45				
34.90376R	BIT T45 D77		Retrac	2Ø10	2Ø7	4Ø12	8Ø12							
34.90376RB	BIT T45 D77		Retrac	2Ø10	2Ø7	4Ø12	8Ø12	Ballistic						
34.90189SB	BIT T45 D90	90 - 3"1/2	Standard	2Ø12	2Ø7	5Ø12	8Ø12	Semi-ballistic						
34.90389	BIT T45 D90			2Ø13	2Ø8	5Ø12	8Ø14	Round						
34.90389.10	BIT T45 D90			2Ø12	2Ø7	5Ø12	8Ø12							
34.90389.12	BIT T45 D90			3Ø	-	-	-							
34.90389B	BIT T45 D90		2Ø11	2Ø7	5Ø12	8Ø12	Ballistic							
34.90389R	BIT T45 D90		Retrac	2Ø11	2Ø8	6Ø12	8Ø13	Round						
34.90389RB	BIT T45 D90		Retrac	2Ø11	2Ø8	6Ø12	8Ø13	Ballistic						
34.90389SB	BIT T45 D90		Standard	2Ø12	2Ø7	5Ø12	8Ø12	Semi-ballistic						
34.90302	BIT T45 D90		103 - 4"	Standard	3Ø12	0	6Ø12	9Ø12			Round			
34.90189.10	BIT T51 D90	90 - 3"1/2	Standard	2Ø12	2Ø7	6Ø12	8Ø13	Round	35	T51				
34.90189B.20	BIT T51 D90		Standard					Ballistic						
34.90189R	BIT T51 D90		Retrac	2Ø11	2Ø8			Round						
34.90189RB	BIT T51 D90		Retrac					Ballistic						
34.90189RBC	BIT T51 D90		Retrac					Semi-ballistic						
34.90189RSB	BIT T51 D90		Retrac											
34.90102	BIT T51 D103	103 - 4"	Standard	2Ø14	0	6Ø13	8Ø14	Round						
34.90102B	BIT T51 D103		Standard					Ballistic						
34.90102.11	BIT T51 D103		Standard					Round						
34.90102B.20	BIT T51 D103		Standard					Ballistic						
34.90102R	BIT T51 D103		Retrac	4Ø11				Round						
34.90102RB	BIT T51 D103		Retrac					Ballistic						
34.90102RSB	BIT T51 D103		Retrac					v-ballistic						
34.90102SB	BIT T51 D103		Standard	2Ø14										
34.90115.20	BIT T51 D115	115 - 4"1/2	Standard	4Ø13	0	6Ø14	8Ø16	Semi-ballistic						
34.90115R	BIT T51 D115		Retrac					Round						
34.90115RB	BIT T51 D115		Retrac					Ballistic						
34.90115RSB	BIT T51 D115		Retrac				8Ø14	Semi-ballistic						
34.90115SB	BIT T51 D115		Standard											



"T" EXTENSION RODS

CYLINDRICAL EXTENSION RODS

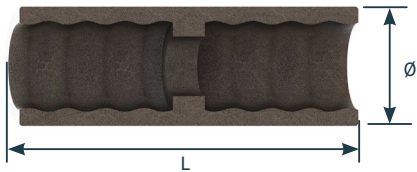


Reference	Designation	Coupling	Ext. Ø	Length - L	Flat across	Thread
34.93631	EXTENSION ROD T38 3.05m P/P	PIN/PIN	Ø 39 Ø 1"1/2	3,050 mm - 10 ft	33 mm	T38
34.93637	EXTENSION ROD T38 3.66m P/P	PIN/PIN		3,660 mm - 12 ft		
34.93637MF	EXTENSION ROD T38 3.66m P/B	PIN/BOX		3,660 mm - 12 ft		
34.93636	EXTENSION ROD T38 4.89m P/P	PIN/PIN	Ø HEX 32 Ø 1"1/4	4,890 mm - 16 ft	-	
34.93331	EXTENSION ROD T45 3.05m P/P	PIN/PIN	Ø 46 Ø 1"3/4	3,050 mm - 10 ft	40 mm	T45
34.93337	EXTENSION ROD T45 3.66m P/P	PIN/PIN		3,660 mm - 12 ft		
34.93337MF	EXTENSION ROD T45 3.66m P/B	PIN/BOX		3,660 mm - 12 ft		
34.93100.10	EXTENSION ROD T51 1m P/P	PIN/PIN	Ø 52 Ø 2"	1,000 mm	45 mm	T51
34.93137	EXTENSION ROD T51 3.66m P/P	PIN/PIN		3,660 mm - 12 ft		
34.93137MF	EXTENSION ROD T51 3.66m P/B	PIN/BOX		3,660 mm - 12 ft		
34.93142MF	EXTENSION ROD T51 4.27m P/B	PIN/BOX		4,270 mm - 14 ft		
34.93142MM	EXTENSION ROD T51 4.27m P/P	PIN/PIN		4,270 mm - 14 ft		
34.94265MF	EXTENSION ROD GT60 4,27m P/B	PIN/BOX	Ø 60 Ø 2"3/5	4,270 mm - 14 ft	No	GT60

"T" COUPLINGS, ADAPTORS

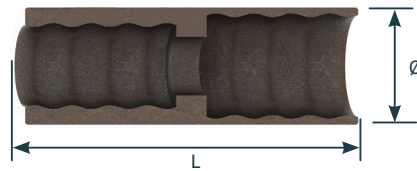
COUPLINGS

Reference	Designation	Ø	Length L (mm)	Thread
34.94100	COUPLING BOX/BOX T38	55	-	T38
34.94300	COUPLING BOX/BOX T45	66	207	T45
34.94600	COUPLING BOX/BOX T51	72	235	T51

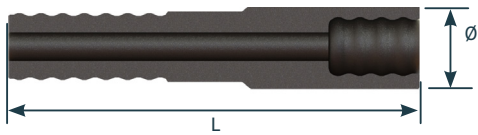


ADAPTORS

Reference	Designation	Ø	Length L (mm)	Thread
34.94T38C32	ADAPTOR BOX/BOX T38-R32	55	180	T38 / R32
34.94T45T38	ADAPTOR BOX/BOX T45-T38	66	207	T45 / T38
34.94T51T45	ADAPTOR BOX/BOX T51-T45	72	240	T51 / T45



Reference	Designation	Ø	Length L (mm)	Thread
34.94FT51XMT45.20	ADAPTOR T51 BOX X T45 PIN	72	285	T51 BOX / T45 PIN



"R" BITS

DROP CENTER BITS

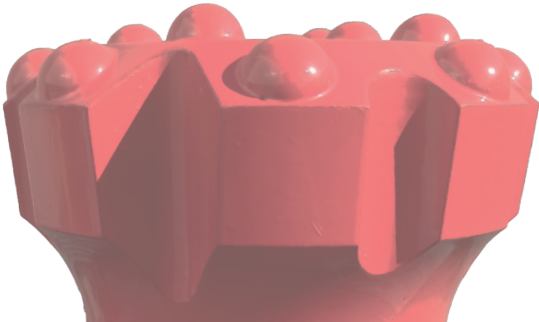
Reference	Designation	ext. Ø	Skirt	Injection hole		Button hole		Button design	Gauge angle	Thread
				Face 2	Face 2	Face 3	Gauge 4			
34.6617.20	BIT R32 D90	90	Retrac	-	-	-	-	Ballistic	-	R32
34.6186.20	BIT R38 D64	64	Retrac	-	-	-	-	Ballistic	-	R38

For other configurations and dimensions, please consult us.

FLAT FACE BITS

				Injection hole		Button hole				
Reference	Designation	ext. Ø	Skirt	Face 2	Face 2	Face 3	Gauge 4	Button design	Gauge angle	Thread
34.3264R	BIT R32 D65	65 2''1/2	Retrac	-	-	-	-	Round	35	R32
34.3264RB	BIT R32 D65			3Ø7	1Ø6	3Ø11	6Ø12	Ballistic		
34.6525.20	BIT R32 D65			3Ø7	1Ø6	3Ø11	6Ø12	Round		
34.6149.20	BIT R32 D66	66		-	-	-	-	Ballistic		
34.6533R	BIT R32 D66			-	-	-	-	Round		
34.6566	BIT R32 D77			77 - 3''	2Ø9	2Ø7	6Ø10	8Ø11		
34.6670	BIT R38 D115	115 - 4''1/2	Retrac	-	-	-	-	Round	35	R38
34.6616.20	BIT R38 D64	64	Retrac	-	-	-	-	Round		

For other configurations and dimensions, please consult us.



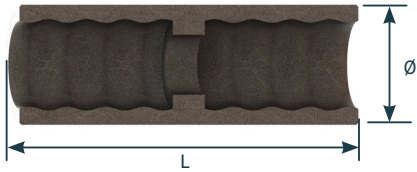
"R" EXTENSION RODS, COUPLINGS & ADAPTORS

EXTENSION RODS

Reference	Designation	Coupling	Ext. Ø	Length L	Thread
34.7510	EXTENSION ROD R32 0.91m P/P	PIN/PIN	Ø 32 Ø 1"1/4	915 mm	R32
34.7510.10	EXTENSION ROD R32 1m P/P	PIN/PIN		1,000 mm	
34.90001	EXTENSION ROD R32 1.52m P/B	PIN/BOX		1,525 mm - 5 ft	
34.7160	EXTENSION ROD R32 1.52m P/P	PIN/PIN		1,830 mm - 6 ft	
34.7125	EXTENSION ROD R32 1.83m P/P	PIN/PIN		1,830 mm - 6 ft	
34.7125.11	EXTENSION ROD R32 1.83m P/P	PIN/PIN		3,050 mm - 10 ft	
34.7135MF	EXTENSION ROD R32 3.05m P/B	PIN/BOX		3,050 mm - 10 ft	
34.7135	EXTENSION ROD R32 3.05m P/P	PIN/PIN			
34.7225	EXTENSION ROD R38 0.98m P/P	PIN/PIN	Ø 38 Ø 1"1/2	980 mm	R38
34.7220MF	EXTENSION ROD R38 0.98m P/B	PIN/BOX		980 mm	
34.7220	EXTENSION ROD R38 1.52m P/P	PIN/PIN		1,525 mm - 5 ft	
34.7209MF	EXTENSION ROD R38 1.52m P/B	PIN/BOX		1,525 mm - 5 ft	
34.7209	EXTENSION ROD R38 1.83m P/P	PIN/PIN		1,830 mm - 6 ft	

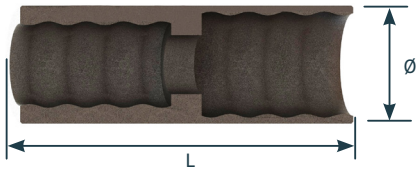
COUPLINGS

Reference	Designation	Ø	Length L	Thread
34.9115	COUPLING BOX/BOX R32	45 - 1"3/4	160 mm	R32
34.9120	COUPLING BOX/BOX R38	55 - 2"1/8	180 mm	R38



ADAPTOR COUPLING

Reference	Designation	Ø	Length L	Thread
34.94T38C32	ADAPTOR COUPLING T38-R32 BOX/BOX	55	180	T38 / R32



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