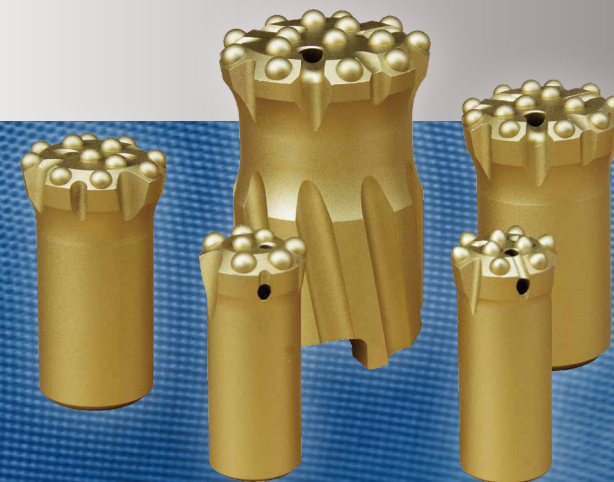




New

Rock Drilling tools

PRODUCT CATALOGUE



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Rock Drilling Tools (R)-E2007-F1
Printed in Japan

FRD FURUKAWA ROCK DRILL

Explanations of part name (shape code)

T45 B 89 S 9 -FF RT S1

Thread shape + Size (T45: T45 thread)

Kind of bit (B: Button bit)

Bit gauge (Φ89 mm)

Shape of tip (S: Spherical button, B: Ballistic button)

Quantity of gauge tip

Shape of base metal face (FF: Flat face, DC: Drop center)

Skirt type (—: Standard, RT: Retrac)

Quantity of side blow holes (S1=1, S2=2)

Tip shape

Spherical button	Ballistic button
	
Hard rock and ultra-hard rock layers. Effective in a rock layer which causes wear in a great degree.	Soft rock and medium hard rock layers. Higher drilling speed can be obtained compared with cross bit.

Tip feature

↑ High
Drilling speed
↓ Low


Ballistic


Spherical

← Soft rock Rock quality Hard rock →

Face configuration

Flat face	Drop center
	
Wear resistant bit for medium-hard to hard rock formations.	For straighter drilling.

Skirt type

Standard skirt	Retrac skirt
	
Normal bit body design.	Retrac wings help to guide the bit in and out of the hole. Effective in straight hole drilling.

For Tunnelling bits

R32 Thread

Button bit	Bit dia. mm	Part No. (Order code)	Part No. (Shape code)	Tip q'ty × Dia.		Blow hole		Mass kg
				Gauge	Face	Side	Face	
 091714-45161	45	091514-45162	R32B45S5-FFS2	5 × 11	2 × 9	2	1	0.6
	45	091714-45161	R32B45B6-FFS1	6 × 9	3 × 8	1	3	0.6
	45	091714-45162	R32B45B5-FFS2	5 × 11	2 × 9	2	1	0.6
 091714-45162	45	091514-45152	R32B45S5-FFS1	5 × 11	2 × 9	2	1	0.78
	45	091714-45151	R32B45B6-FFS1	6 × 9	3 × 9	2	1	0.79
	45	091714-45152	R32B45B5-FFS1	5 × 11	2 × 9	2	1	0.78

For top hammer surface drilling bits

T38 Thread

Button bit	Bit dia. mm	Part No. (Order code)	Part No. (Shape code)	Tip q'ty × Dia.		Blow hole		Mass kg
				Gauge	Face	Side	Face	
 091722-64161	64	091522-64161	T38B64S8-FF	8 × 11	4 × 10	-	2	1.6
	64	091522-64661	T38B64S8-DCRT	8 × 10	5 × 9	-	5	1.9
	64	091722-64161	T38B64B8-FF	8 × 11	4 × 10	-	2	1.6
	64	091722-64661	T38B64B8-DCRT	8 × 10	5 × 9	-	5	1.9
 091722-64661	76	091522-76161	T38B76S9-FF	9 × 10	5 × 10	-	3	2.2
	76	091522-76461	T38B76S9-FFRT	9 × 10	5 × 10	-	3	3.3
	76	091722-76161	T38B76B9-FF	9 × 10	5 × 10	-	3	2.2
	76	091722-76461	T38B76B9-FFRT	9 × 10	5 × 10	-	3	3.3
	89	091522-89161	T38B89S9-FF	9 × 12	6 × 12	-	3	2.8

T45 Thread

Button bit	Bit dia. mm	Part No. (Order code)	Part No. (Shape code)	Tip q'ty × Dia.		Blow hole		Mass kg
				Gauge	Face	Side	Face	
 091523-89161	76	091523-76161	T45B76S9-FF	9 × 10	5 × 10	-	3	2.5
	89	091523-89161	T45B89S9-FF	9 × 12	6 × 12	-	3	3.4
 091723-89461	89	091523-89461	T45B89S9-FFRT	9 × 12	6 × 12	-	3	4.8
	89	091723-89161	T45B89B9-FF	9 × 12	6 × 12	-	3	3.4
	89	091723-89461	T45B89B9-FFRT	9 × 12	6 × 12	-	3	4.8
	102	091523-02161	T45B02S9-FF	9 × 13	6 × 13	-	3	4.4

T51 Thread

Button bit	Bit dia. mm	Part No. (Order code)	Part No. (Shape code)	Tip q'ty × Dia.		Blow hole		Mass kg
				Gauge	Face	Side	Face	
 091524-15461	89	091524-89161	T51B89S9-FF	9 × 12	6 × 12	-	3	3.7
	102	091524-02161	T51B102S9-FF	9 × 13	6 × 13	-	3	4.6
	102	091524-02461	T51B102S9-FFRT	9 × 13	6 × 13	-	3	6.2
 091724-15161	115	091524-15161	T51B115S10-FF	10 × 14	7 × 14	-	3	5.9
	115	091524-15461	T51B115S10-FFRT	10 × 14	7 × 14	-	3	8.1
	115	091724-15161	T51B115B10-FF	10 × 14	7 × 14	-	3	5.9
	127	091524-27361	T51B127S8-DC	8 × 16	4 × 12 4 × 16	-	3	8.1
	127	091524-27461	T51B127S10-FFRT	10 × 14	8 × 14	-	3	9.6

GT60 Thread

Button bit	Bit dia. mm	Part No. (Order code)	Part No. (Shape code)	Tip q'ty × Dia.		Blow hole		Mass kg
				Gauge	Face	Side	Face	
 091540-27161	115	091540-15461	GT60B115S9-FFRT	9 × 16	6 × 14	-	3	10.0
	127	091540-27161	GT60B127S10-FF	10 × 14	8 × 14	-	3	8.7
	127	091540-27461	GT60B127S10-FFRT	10 × 14	8 × 14	-	3	11.8
	127	091740-27461	GT60B127B10-FFRT	10 × 14	8 × 14	-	3	11.8
 091540-27461	140	091540-40161	GT60B140S12-FF	12 × 16	10 × 14	-	3	10.7
	140	091540-40461	GT60B140S12-FFRT	12 × 16	10 × 14	-	3	15.2
	140	091740-40461	GT60B140B12-FFRT	12 × 16	10 × 14	-	3	15.2
	152	091540-52361	GT60B152S8-DC	8 × 16	4 × 14 4 × 16	-	5	13.2