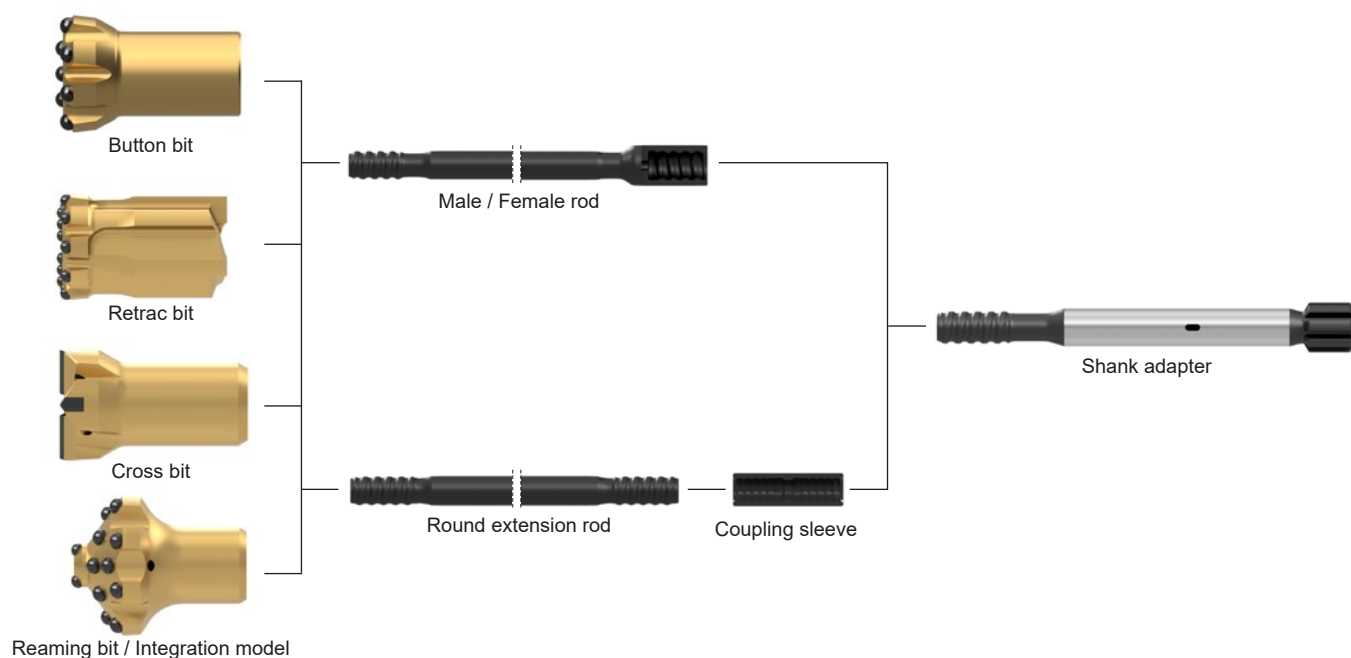


BENCH & LONG HOLE DRILLING EQUIPMENT

T51 SERIES (2") (Recommended Gauge diameter $\phi 89$ – $\phi 127$)



Button Bit Flat face Type 15



Round	Semi Ballistic	Skirt	Gauge Diameter		Gauge Angle (°)	Gauge Button	Face Button	Blow Hole		Weight(kg)
			(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	
51MPVS89R15M	51MPVS89BB15M		89	3 1/2"	35	8× $\phi 13$	6× $\phi 12$	—	2	4.1
51MPVS102R15M	—		102	4"	35	8× $\phi 14$	6× $\phi 13$	—	2	5.2
51MPVS115R15M	—		115	4 1/2"	35	8× $\phi 14$	7× $\phi 13$	—	2	6.9
51MPVS127R15M	—		127	5"	35	8× $\phi 16$	8× $\phi 14$	—	2	9.0
51MPVR89R15M	51MPVR89BB15M		89	3 1/2"	35	8× $\phi 13$	6× $\phi 12$	—	2	4.3
51MPVR102R15M	—		102	4"	35	8× $\phi 14$	6× $\phi 13$	—	2	6.6
51MPVR115R15M	—		115	4 1/2"	35	8× $\phi 14$	7× $\phi 13$	—	2	8.8
51MPVR127R15M	—		127	5"	35	8× $\phi 16$	8× $\phi 14$	—	2	11.3



Button Bit with Groove Type 23 and 25



Part Number		Skirt	Gauge Diameter		Gauge Angle [°]	Gauge Button	Face Button	Blow Hole		Weight(kg)
Round	Semi Ballistic		(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	
51MPVS89R23M	51MPVS89BB23M		89	3 1/2"	35	9×φ12	6×φ12	—	3	4.1
51MPVS102R23M	51MPVS102BB23M		102	4"	35	9×φ13	7×φ13	—	3	5.2
51MPVS115R23M	51MPVS115BB23M		115	4"1/2"	35	9×φ14	7×φ14	—	3	6.8
51MPVS127R23M	—		127	5"	35	9×φ16	7×φ16	—	3	8.9
51MPVR89R23M	51MPVR89BB23M		89	3 1/2"	35	9×φ12	6×φ12	—	3	4.6
51MPVR102R23M	51MPVR102BB23M		102	4"	35	9×φ13	7×φ13	—	3	6.5
51MPVR115R23M	51MPVR115BB23M		115	4"1/2"	35	9×φ14	7×φ14	—	3	8.5
51MPVR127R23M	—		127	5"	35	9×φ16	7×φ16	—	3	10.9

Part Number		Skirt	Gauge Diameter		Gauge Angle [°]	Gauge Button	Face Button	Blow Hole		Weight(kg)
Round	Semi Ballistic		(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	
51MPVS89R25M	51MPVS89BB25M		89	3 1/2"	35	8×φ13	6×φ12	—	2	4.5
51MPVS102R25M	—		102	4"	35	8×φ14	6×φ13	—	2	5.4
51MPVS127R25M	—		127	5"	35	8×φ16	8×φ14	—	2	8.9
51MPVR89R25M	51MPVR89BB25M		89	3 1/2"	35	8×φ13	6×φ12	—	2	4.4
51MPVR102R25M	—		102	4"	35	8×φ14	6×φ13	—	2	6.5
51MPVR127R25M	—		127	5"	35	8×φ16	8×φ14	—	2	11.3



Button Bit with Drop Center Type 53 and 55



Part Number		Skirt	Gauge Diameter		Gauge Angle [°]	Gauge Button	Face Button	Blow Hole		Weight(kg)
Round	Semi Ballistic		(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	
51MPVS89R53M	—		89	3 1/2"	35	6×φ13	5×φ12	—	3	4.0
51MPVR89R53M	—		89	3 1/2"	35	6×φ13	5×φ12	—	3	4.4

Part Number		Skirt	Gauge Diameter		Gauge Angle [°]	Gauge Button	Face Button	Blow Hole		Weight(kg)
Round	Semi Ballistic		(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	
51MPVS89R55M	51MPVS89BB55M		89	3 1/2"	35	8×φ12	6×φ12	—	4	4.0
51MPVS102R55M	—		102	4"	35	8×φ14	6×φ14	—	4	5.1
51MPVS115R55M	—		115	4"1/2"	35	8×φ14	8×φ14	—	4	6.6
51MPVS127R55M	—		127	5"	35	8×φ16	4×φ16, 4×φ14	—	4	8.6
51MPVR89R55M	51MPVR89BB55M		89	3 1/2"	35	8×φ12	6×φ12	—	4	4.3
51MPVR102R55M	—		102	4"	35	8×φ14	6×φ14	—	4	6.4
51MPVR115R55M	—		115	4"1/2"	35	8×φ14	8×φ14	—	4	8.4
51MPVR127R55M	—		127	5"	35	8×φ16	4×φ16, 4×φ14	—	4	11.0

BENCH & LONG HOLE DRILLING EQUIPMENT

T51 SERIES (2") (Recommended Gauge diameter $\phi 89$ – $\phi 127$)



Button Bit with Convex Type 85



Part Number	Skirt	Gauge Diameter		Gauge Angle [°]	Gauge Button	Face Button	Blow Hole		Weight(kg)
		(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	
51MPWS89SA85H		89	3 1/2"	20–40	8× $\phi 12$	6× $\phi 12$	2	2	4.3
51MPVS102SA85H		102	4"	20–40	8× $\phi 12$	7× $\phi 12$	–	2	5.2
51MPVS115SA85H		115	4 1/2"	20–40	8× $\phi 14$	8× $\phi 12$	–	2	6.8



Cross Bit



Part Number	Gauge Diameter		Carbide size	Blow hole		Weight(kg)
	(mm)	(in)	W×H(mm)	Side	Face	
51MX102S	102	4"	13×22	4	1	4.8



Reaming Bit Integration model



Part Number	Gauge Diameter		Gauge Angle [°]	Gauge Button	Face Button	Blow hole			Weight(kg)
	(mm)	(in)		No × Dia(mm)	No × Dia(mm)	Side	Face	Reverse	
WI51MPJ152R-D	152	6"	35°	9× $\phi 14$	11× $\phi 14$	–	3	1	10.6

Round Rod



Part Number	Thread		Outside Diameter		Length		Weight(kg)
			(mm)	(in)	(mm)	(ft/in)	
ER51M51-3660	T51	T51	51	2"	3660	12'	49.6
ER51M51-4880					4880	16'	67.1
ER51M51-6100					6100	20'	82.9

Male / Female Rod



Part Number	Thread		Outside Diameter		Length		Weight(kg)
			(mm)	(in)	(mm)	(ft/in)	
ER51M51MF-1525	T51	T51	51	2"	1525	5'	22.0
ER51M51MF-1830					1830	6'	26.4
ER51M51MF-3660F					3660	12'	52.8
ER51M51MF-3660H					3660	12'	52.8
ER51M51MF-4270F					4270	14'	61.6
ER51M51MF-4270H					4270	14'	61.6
ER51M51MF-6100H					6100	20'	82.9



Coupling / Cross Over Coupling

Part Number	Thread		Outside Diameter		Length		Weight(kg)
			(mm)	(in)	(mm)	(ft/in)	
CM51	T51	T51	72	2 7/8"	235	9 1/4"	4.4
CM51-2			77	3"	235	9 1/4"	5.5
CM51F			72	2 7/8"	250	9 27/32"	5.5

Part Number	Thread		Outside Diameter		Length		Weight(kg)
			(mm)	(in)	(mm)	(ft/in)	
CM51M45	T51	T45	72	2 7/8"	240	9 1/2"	5.0