

## Technical Data

Shoulder to shoulder Length (Less Bit)	945mm	37.20"
Weight (Less Bit)	40.00kg	88lbs
External Diameter	Ø99mm	3.90"
Bit Shank	M-40	
Hole Range	Ø110-Ø140mm	4 3/8" - 5 1/2"
Connection Thread	API 2 3/8" Reg	
Recommended Rotation Speed	15-25 Rpm	

Air Consumption	1.0	(150 Psi)	5M <sup>3</sup> / Min	(175 Cfm)
	1.8	Mpa (250 Psi)	9M <sup>3</sup> / Min	(320 Cfm)
	2.4	Mpa (350 Psi)	14M <sup>3</sup> / Min	(500 Cfm)

Description	Weight	Part Number
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1. Top Sub	6.50	PDM-401
2. Top Sub "O" Ring	0.01	PDM-402
3. Check Valve	0.35	PDM-403
4. C.V. Spring	0.05	PDM-404
5. Air Distributor	1.50	PDM-405
6. Inner Cylinder	2.10	PDM-406
7. Piston	8.50	PDM-407
8. Outer Wear Sleeve	14.80	PDM-408
9. Guide Bushing	1.80	PDM-409
10. Bit Retainer "O" Ring	0.005	PDM-410
11. Bit Retainer Rings	0.30	PDM-411
12. Drive Chuck	3.80	PDM-412
13. Drill Bit	TBD	

According to your request, the top sub can be made into two spanners, and come with protection buttons. An air controlling hole can be drilled on the valve to provide more efficient cuttings discharge.



**M-40  
MISSION**  
**SUMMIT 40**  
BY PINNACLE

