



Venturi Jet Junk Basket - TT0320



Description/Operation

The Venturi Jet Junk Basket is used to retrieve junk from the wellbore. When fluid is pumped through the coil tubing to the Venturi, nozzles direct the flow to the OD of the tool toward the bottom, a vacuum is created in the Venturi chamber and fluid and debris is drawn into the bottom of the tool. A debris screen is located between the Venturi chamber and the cages that will hold the debris inside the tool. The cages are used to trap the debris from falling out, and the screen prevents it from recirculating around the ports. The volume of the debris chamber may be enlarged by the addition of extensions between the cage housing and the screen housing. The nozzles are replaceable to achieve any possible ratio of flow rate and psi combination. The Cage Housing on the bottom of the tool can also be dressed with carbide for milling or washing over a fish. The housings are also available with CS threads. An important feature of the Venturi is that it is not dependent on the hole size to work. The rate of the Venturi action is much higher than the pump rate, no matter the hole size and nitrogen can be used without damaging the tool. The Venturi can be run with or without a mud motor.

Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield	
	in.	mm	in.	mm	in.	cm	lbf	daN	ft-lbf	N-m
TT0320-168B	1.688	42.9	1.031	26.2	33.500	85.1	67,555	30,048	688	933
TT0320-181A	1.813	46.1	1.219	31.0	33.500	85.1	67,555	30,048	688	933
TT0320-206A	2.063	52.4	1.280	32.5	38.000	96.5	86,883	38,646	1,067	1,447
TT0320-225A	2.250	57.2	1.313	33.4	48.000	121.9	86,883	38,646	1,067	1,447
TT0320-263A	2.625	66.7	1.560	39.6	45.000	114.3	116,000	51,597	1,788	2,425
TT0320-313B	3.125	79.4	2.030	51.6	42.000	106.7	141,081	62,753	4,825	6,543
TT0320-400A	4.000	101.6	2.750	69.9	60.900	154.7	164,000	72,947	5,800	7,865