



At Thru-Tubing Technology (TTT), our goal is to deliver outstanding quality equipment and service to our customers. Our satisfied customers range from major companies to small operators, and from customers working in routine environments to those working in hostile and high profile environments worldwide.

Premium Downhole Mechanical Tools

Thru-Tubing Technology tools are specially designed and manufactured to precise specifications. The tight tolerances and high quality, reduces failures without causing downhole binding problems. The result is unsurpassed tool performance that reduces downhole time, additional trips, and unrecoverable objects.

Precision manufacturing reduces failures and our tool designs incorporate the placement of critical components within protective housings, whenever possible, to minimize drag, and reduce the possibility of down hole problems.

Custom Designed Product Development

Thru-Tubing Technology encourages your input for current product improvement or new product development. We can also custom design and manufacture tools based upon special applications. Contact us to discuss the details and requirements for your custom designed project.

Whether off-the-shelf or made to order, Thru-Tubing Technology makes every effort to provide industry leading delivery and lead times.

Featured Tools



Hydraulic Spear

The Hydraulic Spear is used to retrieve a string that is stuck or that has been left in the hole, and that has an internal GS fishing neck on top. The spear is designed to withstand high side and tensional loads during a jarring operation.



Torque-Thru Knuckle Joint

The Torque-Thru Knuckle Joint is used in a deviated well to aid in centralization with running a centralizer, stabilizer or mud motor for a few examples. It functions the same way as a sealed knuckle joint, but it will additionally transmit torque. It can be placed above and below the mud motor, preventing any unnecessary side loads that may reduce the motor's life span or cause damages. The knuckle joint is also sealed to allow for fluid to pass for washing or operating any hydraulic tools below it.



Mechanical Bow String Centralizer

The Mechanical Bow Spring Centralizer is used to centralize the Bottom Hole Assembly (BHA) inside larger tubing or casing after it has passed through a restricted ID, packer, or production tubing, and then assist in fishing, cutting, milling, under reaming, or washing over.



Item	Part Number	OD	
		in.	mm.
High Powered Magnet	TT0381-125A-SS	1.250	31.8
	TT0381-150A-SS	1.500	38.1
	TT0381-169A-SS	1.688	42.9
	TT0381-181A-SS	1.813	46.1
	TT0381-184A-SS	1.844	46.8
	TT0381-206A-SS	2.063	52.4
	TT0381-230A-SS	2.300	58.4
	TT0381-270A-SS	2.703	68.7
	TT0381-350A-SS	3.500	88.9
	TT0381-450A-SS	4.500	114.3

Item	Part Number	OD		Pressure To Hold in Release Position		Pump Rate		Internal Profile Retrieved
		in.	mm.	psi	kPa	gpm	L/s	
Hydraulic "B & W" Spear	TT0210-169E	1.688	42.9	350	2413.3	19	1.2	2 in. B & W
Hydraulic "GS" Spear	TT0210-169EGS	1.688	42.9	350	2413.3	19	1.2	2 in. GS
	TT0210-213E	2.125	54.0	200	1379.0	25	1.6	2.5 in. GS
	TT0210-225E	2.250	57.2	200	1379.0	25	1.6	2.5 in. GS
	TT0210-270E	2.700	68.6	300	2068.5	30	1.9	3 in. GS
	TT0210-288E	2.875	73.0	300	2068.5	30	1.9	3 in. GS

Item	Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield	
		in.	mm.	in.	mm.	in.	cm.	lbf	daN	ft-lbf	N-m
Continuous Tubing Overshot	TT0180-186B	1.858	47.2	1.300	33.0	24.50	62.2	31,300	13,922	1,010	1,370
	TT0180-206B	2.063	52.4	1.313	33.4	23.50	59.7	65,000	28,912	800	1,085
	TT0180-209B	2.094	53.2	1.375	34.9	29.40	74.7	30,868	13,730	800	1,085
	TT0180-225B	2.25	57.2	1.375	34.9	29.40	74.7	60,149	26,754	1,318	1,787
	TT0180-230B	2.295	58.3	1.563	39.7	24.50	62.2	53,000	23,574	1,620	2,197
	TT0180-244B	2.438	61.9	1.313	33.4	29.38	74.6	128,350	57,090	2,635	3,573
	TT0180-263B	2.625	66.7	1.630	41.4	25.50	64.8	118,500	52,709	2,904	3,938
	TT0180-266B	2.655	67.4	1.630	41.4	29.50	74.9	123,250	54,822	3,185	4,319
	TT0180-270C	2.7	68.6	1.813	46.1	29.60	75.2	62,000	27,578	2,250	3,051
	TT0180-313B	3.125	79.4	1.880	47.8	34.00	86.4	84,000	37,363	2,950	4,000
	TT0180-317C	3.166	80.4	2.094	53.2	30.00	76.2	70,100	31,180	3,820	5,180
	TT0180-338B	3.375	85.7	2.125	54.0	34.80	88.4	91,100	40,521	4,560	6,183
	TT0180-363B	3.625	92.1	2.500	63.5	36.30	92.2	158,000	70,278	4,828	6,547
Flat Coil Tubing Overshot	TT0180-231D	2.312	58.7	0.500	12.7	16.00	40.6	55,000	24,464	-	-
Boot Collar Basket	TT0300-169B	1.688	42.9	0.500	12.7	31.38	79.7	54,100	24,064	1,000	1,356
	TT0300-206B	2.063	52.4	0.562	14.3	33.38	84.8	97,900	43,546	2,212	2,999
	TT0300-288B	2.875	73.0	0.625	15.9	31.80	80.8	124,000	55,155	2,470	3,349



Item	Part Number	Tool OD		Length		Coiled Tubing Size						Top Connection
		in.	mm.	in.	mm.	1.000 in.	1.250 in.	1.500 in.	1.750 in.	2.000 in.	2.375 in.	
Cutting Overshot	TT0180-206K	2.063	52.40	23.50	596.90	x	x					1.500 in. CS Hydril Box
	TT0180-250K	2.500	63.50	35.80	909.30			x				2.062 in. CS Hydril Box
	TT0180-270K	2.700	68.60	39.00	990.60		x	x	x			2.375 in. CS Hydril Box
	TT0180-338K	3.375	85.70	34.80	883.90				x	x		2.875 in. CS Hydril Box
	TT0180-400K	4.000	101.60	45.75	1162.05						x	3.500 in. CS Hydril Box

Item	Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield	
		in.	mm.	in.	mm.	in.	cm.	lbf	daN	ft-lbf	N-m
Venturi Jet Junk Basket	TT0320-168B	1.688	42.9	1.031	26.2	33.5	85.1	67,555	30,048	688	933
	TT0320-181A	1.813	46.1	1.219	31.0	33.5	85.1	67,555	30,048	688	933
	TT0320-206A	2.063	52.4	1.28	32.5	38.0	96.5	86,883	38,646	1,067	1,447
	TT0320-225A	2.250	57.2	1.313	33.4	48.0	121.9	86,883	38,646	1,067	1,447
	TT0320-263A	2.625	66.7	1.56	39.6	45.0	114.3	116,000	51,597	1,788	2,425
	TT0320-313B	3.125	79.4	2.03	51.6	42.0	106.7	141,081	62,753	4,825	6,543
	TT0320-400A	4.000	101.6	2.75	69.9	60.9	154.7	164,000	72,947	5,800	7,865
Dual Circulation Sub	TT0710-168B	1.688	42.9	0.375	9.5	11.8	30.0	35,000	15,568	610	827
	TT0710-175B	1.750	44.5	0.375	9.5	11.8	30.0	42,600	18,948	800	1,085
	TT0710-181B	1.813	46.1	0.375	9.5	11.8	30.0	47,600	21,172	1,010	1,370
	TT0710-213B	2.125	54	0.438	11.1	14.8	37.6	62,400	27,756	1,490	2,020
	TT0710-225B	2.250	57.2	0.438	11.1	14.8	37.6	62,000	27,578	2,050	2,780
	TT0710-288B	2.875	73.0	0.563	14.3	16.6	42.2	104,000	46,259	4,110	5,573
	TT0710-313B	3.125	79.4	0.563	14.3	18.0	45.7	116,000	51,597	5,670	7,689
Torque-Thru Roll-On Coil Tubing Connector	TT0744-175C-095	1.750	44.5	0.656	16.7	10.8	27.4	20,000	8,896	1,200	1,627
	TT0744-175C-102	1.750	44.5	0.656	16.7	10.8	27.4	20,000	8,896	1,200	1,627
	TT0744-175C-109	1.750	44.5	0.656	16.7	10.8	27.4	19,000	8,451	1,200	1,627
	TT0744-175C-125	1.750	44.5	0.593	15.1	10.8	27.4	27,000	12,010	1,700	2,305
	TT0744-175C-134	1.750	44.5	0.593	15.1	10.8	27.4	26,000	11,565	1,700	2,305
	TT0744-175C-156	1.750	44.5	0.593	15.1	10.8	27.4	23,000	10,230	1,700	2,305
	TT0744-175C-145	1.750	44.5	0.593	15.1	11.8	30.0	32,700	14,545	1,200	1,627

Note: Other sizes available upon request

Item	Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield	
		in.	mm.	in.	mm.	in.	cm.	lbf	daN	ft-lbf	N-m
Dual Flapper Valve	TT0750-125A	1.250	31.8	0.510	13.0	9.12	23.2	29,650	13,188	400	542
	TT0750-150A	1.500	38.1	0.510	13.0	9.12	23.2	86,300	38,386	600	814
	TT0750-169A	1.688	42.9	0.688	17.5	12.50	31.8	29,200	12,988	610	827
	TT0750-175A	1.750	44.5	0.688	17.5	12.50	31.8	37,900	16,858	800	1,085
	TT0750-181A	1.813	46.1	0.688	17.5	12.50	31.8	47,200	20,995	1,010	1,370
	TT0750-213A	2.125	54.0	0.688	17.5	14.00	35.6	57,800	25,709	1,490	2,020
	TT0750-225A	2.250	57.2	0.688	17.5	14.00	35.6	77,400	34,428	2,110	2,861
	TT0750-288A	2.875	73.0	1.000	25.4	16.90	42.9	104,000	46,259	4,110	5,573
	TT0750-313A	3.125	79.4	1.000	25.4	17.50	44.5	116,000	51,597	5,670	7,689
Locking Swivel Joint	TT0810-168C	1.688	42.9	0.531	13.5	15.60	39.6	21,000	9,341	830	1,125
	TT0810-175C	1.750	44.5	0.560	14.2	15.75	40.0	20,500	9,118	1,220	1,654
	TT0810-181C	1.813	46.1	0.560	14.2	15.70	39.9	27,600	12,276	1,220	1,654
	TT0810-213C	2.125	54.0	0.810	20.6	15.30	38.9	22,300	9,919	2,280	3,092
	TT0810-225C	2.250	57.2	0.810	20.6	15.30	38.9	40,200	17,881	2,280	3,092
	TT0810-288B	2.875	73.0	1.000	25.4	20.00	50.8	59,300	26,377	4,100	5,560
	TT0810-313B	3.125	79.4	1.000	25.4	19.90	50.5	82,000	36,474	6,100	8,272
Torque- Thru Knuckle Joint	TT0900-168A	1.688	42.9	0.531	13.5	11.40	29.0	51,600	22,952	308	418
	TT0900-175A	1.750	44.5	0.531	13.5	11.38	28.9	51,600	22,952	308	418
	TT0900-181A	1.813	46.1	0.531	13.5	11.40	29.0	51,600	22,952	308	418
	TT0900-206A	2.063	52.4	0.594	15.1	13.81	35.1	83,130	36,976	578	784
	TT0900-213A	2.125	54.0	0.594	15.1	13.90	35.3	83,130	36,976	578	784
	TT0900-225A	2.250	57.2	0.625	15.9	15.40	39.1	58,400	25,976	645	875
	TT0900-288A	2.875	73.0	0.780	19.8	20.00	50.8	144,090	64,091	1140	1,546
	TT0900-313A	3.125	79.4	0.880	22.4	22.84	58.0	1,719,000	764,611	868	1,177
	TT0900-350A	3.500	88.9	1.000	25.4	24.90	63.2	197,500	87,848	1352	1,833
Mechanical Bow Spring Centralizer	TT0911-168C	1.688	42.9	0.560	14.2	45.00	114.3	34,900	15,524	507	687
	TT0911-175C	1.750	44.5	0.560	14.2	45.00	114.3	34,900	15,524	507	687
	TT0911-181C	1.813	46.1	0.560	14.2	45.00	114.3	34,900	15,524	507	687
	TT0911-213C	2.125	54.0	0.560	14.2	45.00	114.3	42,340	18,833	1,043	1,414
	TT0911-225C	2.250	57.2	0.560	14.2	45.00	114.3	42,340	18,833	1,043	1,414
	TT0911-288C	2.875	73.0	1.000	25.4	48.00	121.9	95,990	42,696	3,370	4,570
Hydraulic Bow Spring Centralizer	TT0912-168D	1.688	42.9	0.560	14.2	59.00	149.9	56,600	25,176	507	687
	TT0912-181D	1.813	46.1	0.560	14.2	59.00	149.9	56,600	25,176	507	687
	TT0912-213D	2.125	54.0	0.560	14.2	61.50	156.2	99,680	44,338	1,043	1,414
	TT0912-225D	2.250	57.2	0.560	14.2	61.50	156.2	99,680	44,338	1,043	1,414
	TT0912-288D	2.875	73.0	1.000	25.4	63.00	160.0	200,800	89,316	3,370	4,570
	TT0912-300D	3.000	76.2	1.000	25.4	62.50	158.8	200,800	89,316	3,370	4,570
	TT0912-313D	3.125	79.4	1.000	25.4	63.00	160.0	200,800	89,316	3,370	4,570
Nipple Locator	TT0920-169A	1.688	42.9	0.688	17.5	20.90	53.1	49,100	21,840	1,340	1,817
	TT0920-213A	2.125	54.0	0.810	20.6	24.00	61.0	31,000	13,789	1,320	1,790
	Note: The blades cand be changed to locate different nipple sizes. Contact your local Thru-Tubing Technologies' representative for size availability.										