

# TECHNICAL SPECIFICATIONS



Tool Sizes mm	54 ( 2 1/8")	105 ( 4 1/8")	121 ( 4 3/4")	172 ( 6 3/4")	210 ( 8 1/4")	241 ( 9 1/2")
Maximum O.D. (mm)	54 ( 2 1/8")	104.8 ( 4 1/8")	120.7 ( 4 3/4")	171.5 ( 6 3/4")	209.6 ( 8 1/4")	241.3 ( 9 1/2")
Minimum tool I.D. (mm)	8.6 (0.34")	25.4 (1")	31.8 (1.25")	32.3 (1.27")	38.1 (1.5")	38.1 (1.5")
TFA when tool is open (cm <sup>2</sup> )	1.8 (0.28 sq/in)	7.6 (1.18 sq/in)	10.77 (1.67 sq/in)	18.8 (2.92 sq/in)	29.67 (4.6 sq/in)	29.67 (4.6 sq/in)
PBL tool end connections (Box x Pin)	1 1/2 AMMT	3-86 (2 7/8 IF)	3-102 (3 1/2 IF)	3-133 (4 1/2 IF)	3-152 (6 5/8 REG)	3-177 ( 7 5/8 REG)
Activation ball size (mm)	15.9 (5/8")	31.8 (1 1/4")	38.1 (1 1/2")	50.8 (2")	63.5 (2 1/2")	63.5 (2 1/2")
Steel De-Activation ball size (mm)	11.1 (7/16")	27.0 (1 11/16")	34.9 ( 1 3/8")	34.9 (1 3/8")	44.5 (1 3/4")	44.5 (1 3/4")
Locking ball size (mm)	9.5 (3/8")	17.8 (0.7")	28.6 (1 1/8")	28.6 (1 1/8")	34.9 (1 3/8")	34.9 (1 3/8")
Number of cycles	7	4	5	5	5	5
Number of Ports	3	2	2	2	2	2
Port Diameter (mm)	9.1 (0.36")	17.3 (0.68")	27.9 (1.1")	27.9 (1.1")	34.3 (1.35")	34.3 (1.35")
TFA when tool is open (cm <sup>2</sup> )	2.0 (0.31 sq/in)	4.6 (0.72 sq/in)	12.3 (1.90 sq/in)	12.3 (1.9 sq/in)	18.45 (2.86 sq/in)	18.45 (2.86 sq/in)
Tensile strength connection (t)	52.3 (115 290 lbs)	317.8 (700 100 lbs)	328.6 (725 000 lbs)	703.5 (1 551 000 lbs)	464.1 (1 023 203 lbs)	779.6 (1 718 834 lbs)
Torsional strength connection (kN * m)	2.2 (1 600 ft/lbs)	38.6 (28 500 ft/lbs)	26.0 (19 200 ft/lbs)	86.4 (63 700 ft/lbs)	115.1 (84 894 ft/lbs)	211.1 (155 759 ft/lbs)
Make-Up torque rig ends (kgf * m)	130 (960 ft/lbs)	940 (6 800 ft/lbs)	1 580 (11 500 ft/lbs)	4 810 (34 840 ft/lbs)	6 280 (45 450 ft/lbs)	11 230 (81 290 ft/lbs)
Weight (Kg)	12	90	130	360	450	720
Length (m)	0.9	1.8	2.5	2.9	3	3