



Triple "L" Oil Services
A Free Zone Company

TLOS

C 963 – 5L - 4

Specifications	English	Metric
Tool OD	9-5/8 in	244 mm
Number of Lobes	5:6	5:6
Number of Stages	4	4
Bit Box Connection	6-5/8 Reg	6-5/8 Reg
Top Box Connection	6-5/8 or 7-5/8 Reg	6-5/8 or 7-5/8 Reg
Flow Rate	450 - 1,100 gpm	28 - 70 L/s
Full Load Bit Speed	75 - 185 rpm	75 - 185 rpm
Maximum Torque	16,155 ft-lbs	21,900 N-m
Maximum Power	430 hp	321 kw
Full Load Diff. Pressure	600 psi	4.1 mpa
Max Diff. Pressure across Bit	2,000 psi	13.8 mpa
Bit to Bend	95 in	2,417 mm
Maximum Weight on Bit	73,000 lbs	33,000 kg
Maximum Bit Pull	400,000 lbs	180,000 kg
Weight	4,695 lbs	2,130 kg
Length	288 in	7,302 mm





Triple "L" Oil Services
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TLOS

C 963 – 5L - 5

Specifications	English	Metric
Tool OD	9-5/8 in	244 mm
Number of Lobes	5:6	5:6
Number of Stages	5	5
Bit Box Connection	6-5/8 Reg	6-5/8 Reg
Top Box Connection	6-5/8 or 7-5/8 Reg	6-5/8 or 7-5/8 Reg
Flow Rate	450 - 1,100 gpm	28 - 70 L/s
Full Load Bit Speed	75 - 185 rpm	75 - 185 rpm
Maximum Torque	16,915 ft-lbs	23,000 N-m
Maximum Power	450 hp	336 kw
Full Load Diff. Pressure	750 psi	5.2 mpa
Max Diff. Pressure across Bit	2,000 psi	13.8 mpa
Bit to Bend	95 in	2,417 mm
Maximum Weight on Bit	73,000 lbs	33,000 kg
Maximum Bit Pull	400,000 lbs	180,000 kg
Weight	5,080 lbs	2,305 kg
Length	321 in	8,142 mm





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TLOS

C 963 – 5L - 6

Specifications	English	Metric
Tool OD	9-5/8 in	244 mm
Number of Lobes	5:6	5:6
Number of Stages	6	6
Bit Box Connection	6-5/8 Reg	6-5/8 Reg
Top Box Connection	6-5/8 or 7-5/8 Reg	6-5/8 or 7-5/8 Reg
Flow Rate	450 - 1,100 gpm	28 - 70 L/s
Full Load Bit Speed	75 - 185 rpm	75 - 185 rpm
Maximum Torque	17,100 ft-lbs	23,185 N-m
Maximum Power	421 hp	314 kw
Full Load Diff. Pressure	1,050 psi	7.2 mpa
Max Diff. Pressure across Bit	2,000 psi	13.8 mpa
Bit to Bend	95 in	2,417 mm
Maximum Weight on Bit	73,000 lbs	33,000 kg
Maximum Bit Pull	400,000 lbs	180,000 kg
Weight	5,477 lbs	2,485 kg
Length	354 in	8,982 mm





Triple "L" Oil Services
A Free Zone Company

TLOS

C 963 – 1L - 5

Specifications	English	Metric
Tool OD	9-5/8 in	244 mm
Number of Lobes	1:2	1:2
Number of Stages	5	5
Bit Box Connection	6-5/8 Reg	6-5/8 Reg
Top Box Connection	6-5/8 or 7-5/8 Reg	6-5/8 or 7-5/8 Reg
Flow Rate	600 - 1200 gpm	37 - 76 L/s
Full Load Bit Speed	250 - 550 rpm	250 - 550 rpm
Maximum Torque	8,000 ft-lbs	10,878 N-m
Maximum Power	450 hp	336 kw
Full Load Diff. Pressure	750 psi	5.2 mpa
Max Diff. Pressure across Bit	2,000 psi	13.8 mpa
Bit to Bend	95 in	2,417 mm
Maximum Weight on Bit	73,000 lbs	33,000 kg
Maximum Bit Pull	400,000 lbs	180,000 kg
Weight	5,080 lbs	2,305 kg
Length	321 in	8,142 mm





Triple "L" Oil Services
A Free Zone Company

TLOS

C 963 – 3L - 6

Specifications	English	Metric
Tool OD	9-5/8 in	244 mm
Number of Lobes	3:4	3:4
Number of Stages	6	6
Bit Box Connection	6-5/8 Reg	6-5/8 Reg
Top Box Connection	6-5/8 or 7-5/8 Reg	6-5/8 or 7-5/8 Reg
Flow Rate	500 - 1,200 gpm	31 - 76 L/s
Full Load Bit Speed	100 - 250 rpm	100 - 250 rpm
Maximum Torque	21,800 ft-lbs	30,000 N-m
Maximum Power	784 hp	585 kw
Full Load Diff. Pressure	900 psi	6.2 mpa
Max Diff. Pressure across Bit	2,000 psi	13.8 mpa
Bit to Bend	95 in	2,417 mm
Maximum Weight on Bit	73,000 lbs	33,000 kg
Maximum Bit Pull	400,000 lbs	180,000 kg
Weight	5,500 lbs	2,500 kg
Length	350 in	8,900 mm

