



# Weatherford®

Thru-Tubing Fishing

## *Bakke™ Motorhead Assembly*

### Patented

The *Bakke* motorhead assembly combines state-of-the-art components in a small, short, easy-to-handle tool.

The assembly consists of the Mark II dual-flapper valve assembly, the patented hydraulic disconnect, and the dual-actuated circulation sub with burst disk.

Shear pins will not see any load before the release ball is dropped. All shear pins are also isolated from the circulating fluid and will therefore not be affected if, for example, acids are pumped through the tool.

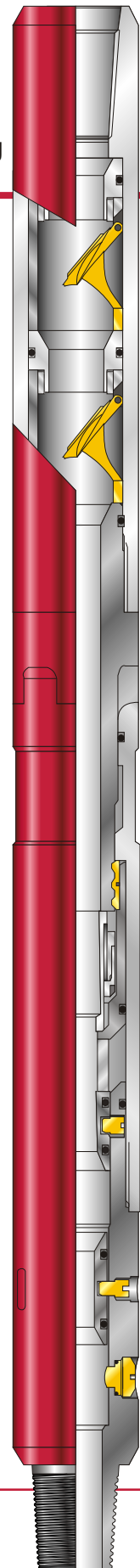
An internal and an external fishing neck remain when the tool is disconnected.

### *Applications*

- Drilling/milling operations (with downhole motors)
- Packer applications
- Fishing applications

### *Features, Advantages and Benefits*

- Full torque-through capabilities, heavy-duty rotation lock designed to withstand vibration and high torque for long milling operations
- Enhanced bending support
- Shear pins and piston designed to withstand severe vibration and jarring
- Shear pins isolated from circulating fluid and wellbore fluid
- Full flow after disconnect (ball carried out of the well with the tool)





## *Bakke™ Motorhead Assembly*

### *Specifications*

Tool OD (in./mm)	Tool ID (in./mm)	Makeup Length (in./mm)	Minimum Yield (lb/kg)	Ultimate Tensile (lb/kg)	Maximum Recommended Torque (ft/lb, kg/m)	Maximum Release Ball Size (in./mm)	Maximum Circulation Ball Size (in./mm)	Bakke Assembly Number
1-11/16 42.86	7/16 11.11	23.4 573.3	37.9 17.2	43.5 19.7	430 640	5/8 15.88	1/2 12.70	2N4203
1-3/4 44.45	7/16 11.11	23.4 573.3	38.9 17.6	49.0 22.2	540 804	5/8 15.88	1/2 12.70	2N4204
2-1/8 53.98	9/16 14.29	27.7 678.7	54.0 24.5	61.9 28.1	1,150 1,711	3/4 19.05	5/8 15.88	2N5201
2-1/4 57.15	5/8 15.88	27.7 678.7	76.3 34.6	87.8 39.8	1,150 1,711	7/8 22.23	3/4 19.05	2N5202
2-3/8 60.33	5/8 15.88	27.4 671.3	76.3 34.6	87.8 39.8	1,500 2,232	7/8 22.23	3/4 19.05	2N6201
2-7/8 73.03	0.94 23.88	33.0 808.5	129.0 58.5	148.0 67.1	2,590 3,854	1 1/8 28.58	1 25.40	2N7202
3-1/8 79.38	0.94 23.88	33.8 828.1	129.0 58.5	148.0 67.1	3,300 4,910	1 1/8 28.58	1 25.40	2N7201
3-1/2 88.90	0.94 23.88	33.5 820.8	129.0 58.5	148.0 67.1	3,300 4,910	1 1/8 28.58	1 25.40	2N8203
4-3/4 120.65	1-3/4 44.45	55.4 1,357.3	331.0 150.1	381.0 172.8	13,000 19,344	2 50.80	1 7/8 47.63	2N9201

All specifications are based on tools made of 120,000-PSI material.

All tool sizes are made with standard internal and external *Bakke* fishing neck.