

TECHNICAL SPECIFICATION SHEET

BLACK GOLD TUBING PUMP (TW)

Pump Description

Black Gold Pump & Supply's Tubing Pumps are designed for more rugged well conditions such as deeper wells and higher pressures. By featuring a barrel installed inside a joint of tubing, the TW-style pump is well protected from physical damage while running in hole and experiences no burst-inducing differential pressure during operation (similar to a bottom hold-down insert pump). These pumps come standard with double valves, full open cages, and typically utilizes a knock-out drain that is actuated by pulling the plunger assembly and dropping a bar downhole.

Features & Benefits

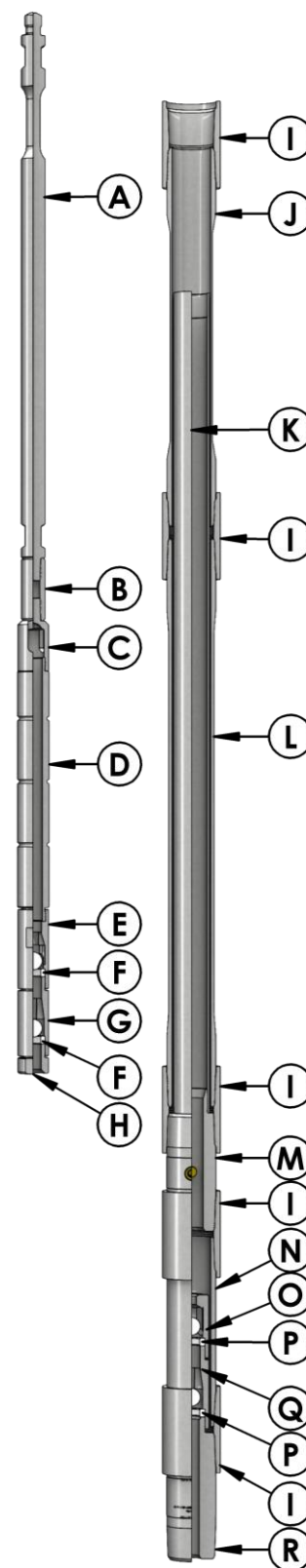
Good for deeper wells and high-pressure application.	Grooved & Machine-end plungers
Impact-Resistant (IR) cages are available	Available in oversize (trapped) configurations
Full-open high-efficiency cages	Special and Alternative balls available
Increased efficiency design	Various ball material available (S.S., Silicon Nitride, Titanium, Tungsten Carbide)

Pump Specification

Pump Sizes (inch)	1.25", 1.50", 1.75", 2.00", 2.50"
Tubing Sizes (inch)	2.375", 2.875", 3.500"
Maximum stroke length (inch)	Up to 336"

Bill of Materials

Item	Qty	Description	Item	Qty	Description
A	1	Rod, Sinker	J	1	Extension, Tubing
B	1	Coupling, SR	K	1	Barrel, RW
C	1	Cage, Top Open	L	1	Joint, Tubing
D	1	Plunger, Pin End	M	1	Drain, Knock Out
E	1	Cage, Closed Plunger	N	1	Extension, Nipple
F	2	Ball & Seat (Traveling)	O	1	Cage, Standing Valve
G	1	Cage, Double Valve	P	2	Ball & Seat (Standing)
H	1	Seat, Plug	Q	1	Cage, Double Valve
I	5	Coupling, Tubing	R	1	Nipple, Positive



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