

HEMCO KELLY BARS



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A kelly bar is the key element of the rotary drilling rig that transfers the torque and the pull-down from the rig to the drilling tool. The Kelly bar comprises of high strength but ductile telescoping steel tubes with special guide strips, drive strips, pull-down keys and locking elements welded onto the tubes. The gearbox of the drilling rig engages the drive strips and the pull-down keys of the outermost tube to apply the torque and the pull-down respectively to the kelly bar while the locking element on the inside of any given tube engages the drive strips and pull-down keys of the next inner tube to transfer to the inner tube the same torque and pull-down. This transfer of torque and pull-down proceeds from the outermost tube to the innermost one which has a square drive stub at its lower end that connects to the drilling tool.

Designation	O.D. mm	No. of sections	Max Drilling Depth (m)	Torque KN-m	Drilling Rigs
HK 40/470/3	470	3	48	400	BG-40 / BG-36
HK 40/470/4	470	4	72	360	BG-40 / BG-36
HK 28/394/3	394	3	36	280	BG-28 / BG-25
HK 28/394/4	394	4	64	280	BG-28 / BG-25

Kelly bars for other rigs can be supplied on request.

HEMCO manufactures kelly bars to world class standards using the best high strength seamless steel pipes and weld-on elements made from special heat treated steels.