

Kelly is main driver of the whole drill string. It transmits torsional energy from the rotary table through the drill string to the bit at the bottom of the hole. TIANHE Kelly is a long square or hexagonal, precision machined heavy steel bar that is supported by the swivel through the rotary table and is connected to the first joint of drill pipe in the drill string.

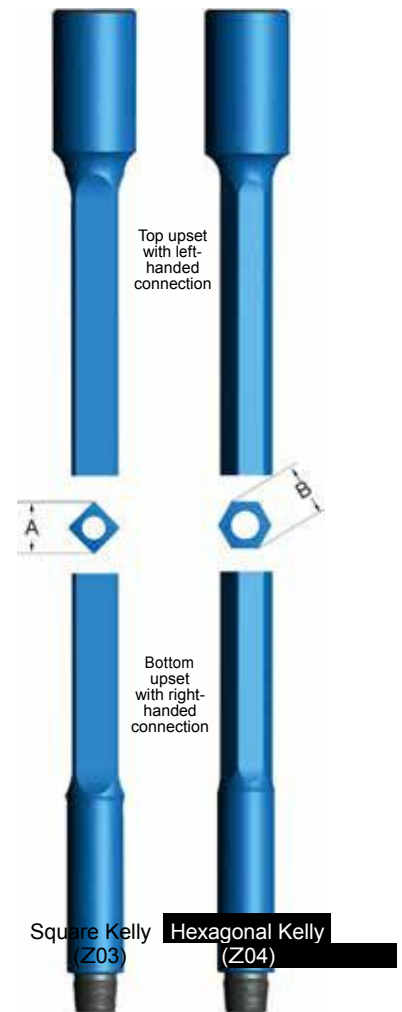
Straightness of the kelly is very crucial in the manufacturing process, thus straightness inspections are carried out before, during and after each machining operation. The flats are precision-milled to API specifications. All milling processes are performed on specially designed rigid Kelly mills to ensure tight tolerances and high quality drive sections. Each TIANHE Kelly is furnished with a pressed steel thread protectors.

Features and Benefits

- Manufactured from AISI 4145H-modified, fully heat-treated alloy steel with a Brinell hardness range of 285-341BHN and a minimum average Charpy impact value of 40 ft-lbs;
- Ends and drive sections, IDs and connections machined and inspected to API specifications;
- Ultrasonic inspection is performed on all sections;
- Shipped in a protective steel-cased scabbard;

When ordering please specify:

- Kelly type (square or hexagonal);
- nominal size and overall length;
- Upper and lower connections.



Specifications - Rotary Kelly

Nom Size (in)	Square Kelly Product Code	Hexagonal Kelly Product Code	Top Connection(LH)		Bottom Connection		I.D.(in)		Drive Section(in)	
			Standard O.D.(in)	Optional O.D.(in)	Square O.D.(in)	Hex. O.D.(in)	Square	Hex.	A	B
2 1/2	Z03-130000		6 5/8 REG LH 7 3/4	4 1/2 REG LH 5 3/4	NC26 3 3/8		1 1/4		3 1/4	
3	Z03-130100	Z04-130000	6 5/8 REG LH 7 3/4	4 1/2 REG LH 5 3/4	NC31 4 1/8	NC26 3 3/8	1 3/4	1 1/4	3 3/8	3 3/8
3 1/2	Z03-130200	Z04-130100	6 5/8 REG LH 7 3/4	4 1/2 REG LH 5 3/4	NC38 4 3/4	NC31 4 1/8	2 1/4	1 3/4	4 7/16	3 15/16
4 1/4	Z03-130300	Z04-130200	6 5/8 REG LH 7 3/4	4 1/2 REG LH 5 3/4	NC46 6 1/4	NC38 4 3/4	2 13/16	2 1/4	5 1/2	4 25/32
	Z03-130400	Z04-130300	6 5/8 REG LH 7 3/4	4 1/2 REG LH 5 3/4	NC50 6 3/8	NC38 4 3/4	2 13/16	2 1/4	5 1/2	4 25/32
5 1/4	Z03-130500	Z04-130400	6 5/8 REG LH 7 3/4		5 1/2 FH 7	NC46 6 1/4	3 1/4	3	6 3/4	5 29/32
	Z03-130600	Z04-130500	6 5/8 REG LH 7 3/4		NC56 7	NC50 6 3/8	3 1/4	3 1/4	6 3/4	5 29/32
6		Z04-130600	6 5/8 REG LH 7 3/4			5 1/2 FH 7		3 1/2		6 13/16
		Z04-130700	6 5/8 REG LH 7 3/4			NC56 7		3 1/2		6 13/16