



**PRODUCT STANDARD
OIL FIELD EQUIPMENT
HYDERABAD**

OE 51361

Rev No. 01

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Specification for D/P , D/C and Casing Slips.

1.0: Scope:

The specification defines the requirements for the supply of Drill pipe, drill collar and casing slips for use in the Oil Field equipment for the purpose of drilling. The slips shall be designed manufactured in line with applicable API Standard in general and specifically to API Spec. 7K.

2.0: Technical Specification.

- 1.) The slips will be used with API standard insert bowls.
- 2.) The drill pipe slips and drill casing slips shall be suitable to accommodate different sizes of drill pipes or casings.
- 3.) The slips shall be designed and manufactured in line with the latest applicable API standard in general and specifically to API 7K.
- 4.) The slips shall ensure to have large contact area on the taper and shall have high strength and wear resistance due to operation and handling.
- 5.) Features of the slips shall ensure maximum contact with the drill pipe, drill collar /casing and a superior wrap around configuration.
- 6.) The design shall be such that the equipment is sturdy, easy to handle and manageable height

The components shall be designed and manufactured to provide long and trouble free service under harsh service operating conditions of the Rigs. The Casing string weight and the relatively thin pipe wall make it necessary that the supporting slips provide full circumferential grip. The segments as an assembly shall be hinged together to wrap around the casing and exert a more uniform pressure. The segments shall automatically center the casing string within the bushing. The slips shall feature a better contact and distribution of load on drill pipe thru a better wraparound feature and good insert design.

The slips shall prevent bottlenecking and gouging damage. The design and manufacture of the body segments shall provide enhanced strength and minimum weight configuration to facilitate easy handling. Drill Collar slips shall provide maximum support to the gripping elements to ensure perfect holding and slip setting

The components shall be such that they facilitate ease of assembly and disassembly.

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S C JHA

02.02.2012



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3.0 Name Plate:

The name plate shall contain the Manufacturer's name; Model No; Size and Pressure rating; Serial No.; Type of equipment; year of manufacture; country of origin; Weight of the component; API Monogram wherever applicable.

4.0 General

Vendor shall provide 8 sets of Product catalogues and technical literature, Maintenance and repair manuals of the items quitted along with the supply.

Vendor shall have supplied similar components to reputed India / international drilling composer in the past two years. Documentary evidence should be furnished as proof, failing which the offer shall be rejected.

5.0 PACKING:

Shipping packaging shall be designed to ensure that the equipment reaches site in a clean and undamaged condition. All packaging shall be designed for an effective life of at least 2 years while stored in an indoor and outdoor environment. All parts that are to be sent in boxes shall be packed as per the following requirements:

- (a) Inner surfaces of the sides & bottoms, outer surfaces of top of all closed packing cases shall be covered with Hessian bitumen coated polyethylene Kraft paper/HDPE Tarpaulin 150 GSM
- (b) Adequate battens (lined with waterproof bituminized paper/HDPE Tarpaulin 150 GSM together with rubber sheet) shall be provided at appropriate places to prevent the movement of equipment/component inside the packing cases.
- (c) The components, sub-assemblies and assemblies are completely covered with 2 layers of polyethylene sheet. All sharp corners and edges are to be protected by rubber mats to prevent the polyethylene sheet from damage. The top surface of the case shall be free from dents to prevent rainwater pockets.
- (d) Desiccant (silica gel) filled into dust free, air permeable linen bags shall be placed inside the boxes.
- (e) All packing cases shall contain a packing list inside a waterproof envelope both inside the box and outside the box. The packing list placed outside of the box shall be suitably covered with metallic sheet such that the packing list is not lost during transit.



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(f) All markings on the case shall be made of waterproof materials to prevent obliteration during transit.

(g) The following details shall be marked on the packing case:

1. P.O. No.
2. Case No.
3. Net weight
4. Gross weight
5. Dimensions of box
6. Markings showing:
 - 6.1. Upright position.
 - 6.2. Sling position.
 - 6.3. Storage position
 - 6.4. Fragile components (if applicable)

6.0 THE OFFER SHALL INCLUDE THE FOLLOWING ADDITIONAL REQUIREMENTS. THE OFFER CAN BE SUMMARILY REJECTED IF THESE REQUIREMENTS ARE NOT INCLUDED IN THE OFFER:

- 6.0.1 : COMPLETE PACKING DETAILS OF THE EQUIPMENT THAT SHALL INCLUDE THE FOLLOWING:
- 6.0.2 : NUMBER OF BOXES
- 6.0.2 : CONTENTS – ITEMS LIST – OF EACH BOX.
- 6.0.4 : LIST OF COMMISSIONING SPARES WHICH SHALL INCLUDE CONSUMABLES LIKE FILTERS, SPECIAL GREASE, AND SPECIAL OIL ETC SHALL BE SUPPLIED ALONG WITH EQUIPMENT.

VENDOR SHALL PROVIDE THE LIST OF TWO YEARS OPERATIONAL SPARES WITH PART NOS. AND IT'S INDIVIDUAL PRICES. THIS IS REQUIRED ONLY FOR INFORMATION



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D/P, D/C AND CASING SLIPS			
Sl. No.	Description	Quantity	Material Code
01	5" D/P slip of 16" grip	2	
02	5" D/P slip of 12"-14" grip	2	
03	3 -1/2" D/P slip of 10"-12"/12"-14" grip	2	
04	2-7/8" D/P slip of 10"-12" grip	2	
05	8"-9-1/2" D/C slip	2	
06	6"-5/8" D/P slip	2	
07	5-1/2"-7" D/C slip	2	
08	4"-4-7/8" D/C slip	2	
09	20" Casing slip	2	
10	13-3/8" Casing slip	2	
11	9-5/8" Casing slip	2	
12	7" Casing slip	2	
13	5-1/2" Casing slip	2	
14	2-7/8" Tubing slip	2	



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Specification for D/P , D/C and Casing Elevators.

1.0: Scope:

The specification defines the requirements for the supply of Drill pipe, drill collar and casing elevators for use in the Oil Field equipment for the purpose of drilling. The elevators shall be designed manufactured in line with applicable API Standard in general and specifically to API Spec. 8A or 8C.

2.0: Technical Specification.

- 1.) The elevators will be used with API standard insert bowls.
- 2.) The drill pipe, drill collar and drill casing elevators shall be suitable to accommodate different sizes of drill pipes or casings.
- 3.) The elevators shall be designed and manufactured in line with the latest applicable API standard in general and specifically to API 8A or 8C.
- 4.) The elevators shall ensure to have large contact area on the taper and shall have high strength and wear resistance due to operation and handling.
- 5.) Features of the elevators shall ensure maximum contact with the drill pipe, drill collar /casing and a superior wrap around configuration.
- 6.) The design shall be such that the equipment is sturdy, easy to handle and manageable height

The components shall be designed and manufactured to provide long and trouble free service under harsh service operating conditions of the Rigs. The manually operated elevators shall be conventionally operated elevators for handling casing, Tubing, Plain & Upset Drill Pipe, Collar type Drill Pipe, 18° Drill Pipe, depending up on the Type and Rating. Where ever applicable slip type elevators shall be offered for handling Tubing and small casing.

Appropriate and adequate safety features must be inbuilt into the Elevators so that the Pipe / Tube / Casing being handled shall not lead to any accident or incident.

The elevators shall be so designed so that it enables the Crew to handle the Pipe properly and help avoid damage to the Pipe threads and reduce the chances of accident or injury.

The Elevators mentioned in this specification shall be designed, manufactured, and tested in line with the latest standard of API 8A or 8C. Suppliers shall have valid licenses for the same , with an authority to monogram the product.

Wear parts if any in the elevators must have feasibility for replacement rather than junking the complete unit

The components shall be such that they facilitate ease of assembly and disassembly.

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3.0 Name Plate:

The name plate shall contain the Manufacturer's name; Model No; Size and Pressure rating; Serial No.; Type of equipment; year of manufacture; country of origin; Weight of the component; API Monogram wherever applicable.

4.0 General

Vendor shall provide 8 sets of Product catalogues and technical literature, Maintenance and repair manuals of the items quoted along with the supply.

Vendor shall have supplied similar components to reputed India / international drilling companies in the past two years. Documentary evidence should be furnished on proof, failing which the offer shall be rejected summarily.

5.0 PACKING:

Shipping packaging shall be designed to ensure that the equipment reaches site in a clean and undamaged condition. All packaging shall be designed for an effective life of at least 2 years while stored in an indoor and outdoor environment. All parts that are to be sent in boxes shall be packed as per the following requirements:

- (a) Inner surfaces of the sides & bottoms, outer surfaces of top of all closed packing cases shall be covered with Hessian bitumen coated polyethylene Kraft paper/HDPE Tarpaulin 150 GSM
- (b) Adequate battens (lined with waterproof bituminized paper/HDPE Tarpaulin 150 GSM together with rubber sheet) shall be provided at appropriate places to prevent the movement of equipment/component inside the packing cases.
- (c) The components, sub-assemblies and assemblies are completely covered with 2 layers of polyethylene sheet. All sharp corners and edges are to be protected by rubber mats to prevent the polyethylene sheet from damage. The top surface of the case shall be free from dents to prevent rainwater pockets.
- (d) Desiccant (silica gel) filled into dust free, air permeable linen bags shall be placed inside the boxes.
- (e) All packing cases shall contain a packing list inside a waterproof envelope both inside the box and outside the box. The packing list placed outside of the box shall be suitably covered with metallic sheet such that the packing list is not lost during transit.



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(f) All markings on the case shall be made of waterproof material to prevent obliteration during transit.

(g) The following details shall be marked on the packing case:

1. P.O. No.
2. Case No.
3. Net weight
4. Gross weight
5. Dimensions of box
6. Markings showing:
 - 6.1. Upright position.
 - 6.2. Sling position.
 - 6.3. Storage position
 - 6.4. Fragile components (if applicable)

6.0 THE OFFER SHALL INCLUDE THE FOLLOWING ADDITIONAL REQUIREMENTS. THE OFFER CAN BE SUMMARILY REJECTED IF THESE REQUIREMENTS ARE NOT INCLUDED IN THE OFFER:

6.0.1 : COMPLETE PACKING DETAILS OF THE EQUIPMENT THAT SHALL INCLUDE THE FOLLOWING:

6.0.2 : NUMBER OF BOXES

6.0.2 : CONTENTS – ITEMS LIST – OF EACH BOX.

6.0.4 : LIST OF COMMISSIONING SPARES WHICH SHALL INCLUDE CONSUMABLES LIKE FILTERS, SPECIAL GREASE, AND SPECIAL OIL ETC SHALL BE SUPPLIED ALONG WITH EQUIPMENT.

VENDOR SHALL PROVIDE THE LIST OF TWO YEARS OPERATIONAL SPARES WITH PART NOS. AND IT'S INDIVIDUAL PRICES. THIS IS REQUIRED ONLY FOR INFORMATION



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D/P D/C AND CASING ELEVATORS			
Sl. No.	Description	Quantity	Material code
1	350T, 250T & 150 T 5" D/P elevators.	350T -1 No. 250- 2Nos 150T- 2 Nos.	
2	100/150T, 3 -1/2" D/P elevators	2	
3	100T 2-7/8" D/P elevators	2	
4	100/150T, 9-1/2" D/C elevators	2	
5	100/150T, 8" D/C elevators	2	
6	100/150T, 6-1/2" D/C elevators	2	
7	65T, 4-3/4" D/C elevators.	1	
8	150T, 13-3/8" Casing elevators	2	
9	350T, and 2 Nos of 250T & 150T 9-5/8" Casing elevators	1	
10	250T & 150T 7" Casing elevators	2	
11	250T & 150T 5-1/2" Casing elevators	2	
12	100T, 2-7/8" tubing elevators	2	



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Specification for safety clamps.

1.0: Scope:

The specification defines the requirements for the supply of safety clamps for use in the Oil Field equipment for the purpose of drilling. The safety clamp shall be designed manufactured in line with applicable API Standard in general and specifically to API Spec. 7K.

2.0: Technical Specification.

- 1.) The safety clamp will be used with API standard insert bowls.
- 2.) The casing safety clamp shall be suitable to accommodate different sizes of drill pipes or casings.
- 3.) The safety clamp shall be designed and manufactured in line with the latest applicable API standard in general and specifically to API 7K.
- 4.) The safety clamp shall ensure to have large contact area on the taper and shall have high strength and wear resistance due to operation and handling.

Vendor shall furnish the safety clamps such that the flush tubular products have to be secured conveniently during installation. These shall be used in conjunction with the Slips when a tubular slips thru a Pipe. The safety clamp shall ensure its arrest from slipping as a backup.

The clamps shall be used in combination with the slips – by landing on the top of the slip and thereby adding extra push down force to the slips. This shall stop the tubular from slipping thru the Slip.

The components shall be such that they facilitate ease of assembly and disassembly.

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3.0 Name Plate:

The name plate shall contain the Manufacturer's name; Model No; Size and rating; Serial No.; Type of equipment; year of manufacture; country of origin; Weight of the component; API Monogram wherever applicable, including any other relevant details

4.0 PACKING:

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(c) The components, sub-assemblies and assemblies are completely covered with 2 layers of polyethylene sheet. All sharp corners and edges are to be protected by rubber mats to prevent the polyethylene sheet from damage. The top surface of the case shall be free from dents to prevent rainwater pockets.

(d) Desiccant (silica gel) filled into dust free, air permeable linen bags shall be placed inside the boxes.

(e) All packing cases shall contain a packing list inside a waterproof envelope both inside the box and outside the box. The packing list placed outside of the box shall be suitably covered with metallic sheet such that the packing list is not lost during transit.

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 - 6.2. Sling position.
 - 6.3. Storage position
 - 6.4. Fragile components (if applicable)



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6.0.1 : COMPLETE PACKING DETAILS OF THE EQUIPMENT THAT SHALL INCLUDE THE FOLLOWING:

6.0.2 : NUMBER OF BOXES

6.0.2 : CONTENTS – ITEMS LIST – OF EACH BOX.

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SAFETY CLAMPS			
Sl. No.	Description	Quantity	Material code
1	Safety clamp for 8-1/2" to 9-5/8".	2	
2	Safety clamp for 6-3/4" to 8-1/4"	2	
3	Safety clamp for 5-1/2" to 7".	2	
4	Safety clamp for 3-1/2" to 4-3/4"	2	

