TSC™ Drill Pipe
A Division of Texas Steel Conversion, Inc.

CERTIFICATE of COMPLIANCE

WELLSITE RENTAL SERVICES
PURCHASE ORDER NUMBER
D2026-0126-14

SALES ORDER NUMBER
0126-14

SPECIFICATIONS (applicable parts):
API: 5DP 1st EDITION (08-01-10)

This hereby certifies that the herein described material meets the requirements of the above referenced documents.

WELLSITE RENTAL SERVICES STRING#: 14
SERIAL#s: 001-012

Heavyweight Drill Pipe

5 "×3" 1340+4137H NC50 31±0.5ft
Φ127*76.2*9450±152.4mm NC50

V.P. QUALITY

12/01/2026
DATE

Batch number：0126-14

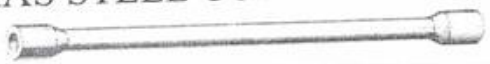
Steel grade：1340+4137H

Specifications：：5 ″×3″ 1340+4137H NC50 31±0.5ft

Φ127*76.2*9450±152.4mm NC50

Quantity:		14 (pcs)	Total Length:	114.776 (m)		Total Weighet:		8.61 (t)
Seriai No.	Pipe No.	Pin connection No.	Box connection No.	Length	Weight	Heat No.	Lot No.	Remark
1	008	009	006	9568	717,8	25703087	0126-141	
2	007	001	018	9566	717,6	25703087	0126-141	
3	001	017	008	9561	717,2	25703087	0126-141	
4	005	019	012	9565	717,5	25703087	0126-141	
5	002	015	010	9558	717,0	25703087	0126-141	
6	004	016	026	9566	717,6	25703087	0126-141	
7	003	021	022	9560	717,1	25703087	0126-141	
8	009	011	014	9565	717,5	25703087	0126-141	
9	010	005	016	9566	717,6	25703087	0126-141	
10	011	003	002	9568	717,8	25703087	0126-141	
11	006	013	020	9562	717,3	25703087	0126-141	
12	012	007	004	9571	718,0	25703087	0126-141	
Total:				114776	8610			

TEXAS STEEL CONVERSION, INC.



MANUFACTURER/PROCESSOR OF OIL COUNTRY TUBULAR GOODS

MATERIAL CERTIFICATION

The herein described material has been manufactured or processed, sampled, tested, and inspected in accordance with the applicable API specifications and sales order requirements and meets the requirements for the grade indicated.

SO# 0126-14

CUSTOMER: TSC DRILL PIPE/
WELLSITE RENTAL SVCS

SIZE : 3.500x2.250
UPSET: EU

GRADE : S135

MFG.PROC.: SMLS

HEAT TREAT : Q&T
MILL: TSC/C.E. KING
SPEC: API:5DP
(Latest Edition)

PSL: 1

TEST#	# JTS	HEAT #	LOT #
106217	118	588804	057188
106218	200	587811	057189
106219	190	587811	057190
106220	46	587775	057191
106221	173	588657	057192

HEAT#	C	Si	Mn	P	S	Cr	Mo	Ni	V	Al	Nb	Sn	Ti	Cu	Ca	B
588804	.27	.21	.90	.006	.003	.97	.42	.12	.005	.036	.001	.011	.037	.13		.0016
587811	.26	.23	.88	.006	.004	.96	.40	.10	.005	.030	.001	.009	.032	.11		.0014
587775	.26	.23	.89	.010	.003	.95	.41	.10	.004	.037	.001	.011	.035	.13		.0015
588657	.27	.22	.89	.010	.002	.95	.40	.08	.004	.038	.001	.011	.036	.12		.0015

Alfred B. Cox
V.P.Quality

12/01/26
DATE

ABC/tp

3101 HOLMES ROAD • HOUSTON, TEXAS 77051-1199 • (713)733-6013 • FAX (713)733-9248

Instructions for User

127x 76.2mm HWDP

1340+4137H

1.Introduction

This manual is designed for the technical operation and use of enterprise drill pipes. The manual provides reference materials for the technical characteristics of drill pipes. This manual is issued by "TSK Drill Piper" and involves preparations, operations, and techniques. Recommendations for maintenance, scrapping standards, transportation and storage operations.

The manual is combined with legal and technical documents, as well as the relevant rules and regulations for the user to use drill pipes.

2.Application field and manufacturer's guarantee

Friction welded drill pipes are mainly used for the mining and maintenance of oil and gas wells. The manufacturer guarantees the quality of the pipe products within 12 months from the date of purchase by the buyer (provided that they are used, transported and stored in accordance with the specified instructions and standards), excluding use in environments with hydrogen sulfide, carbon dioxide, acids, alkalis and salts.

3.Drill pipe summary

3.1.The buyer provides the necessary information for the goods

Executive standard: API 7-1 2nd E1E2A1 API SPEC 7-2 2nd E1E2A1A2A3

Specifications and dimensions (including tube outer diameter and wall thickness)

Φ127X76.2mm

Steel grade: 1340+4137H

Thickening form: inner thickening

Friction welding joint size (outer and inner diameter of joint): φ168.28x76.2mm

Buckle type: NC50

Connector thread rotation direction: right-hand

Shoulder 18 degree shoulder lift

Effective length of the HWDP (the defined length is from the shoulder of the box to the shoulder of the pin):9450±152.4mmmm

Thread surface treatment: apply threaded oil, add threaded protective cap

Quantity (tons, meters,pcs): 12pcs

3.2. Drill pipe performance

Pipe OD （mm）	Grade	Tool Joint Size	Thread
127	1340+4137H	φ168.28*φ76.2mm	NC50

3.2.1. Mechanical properties of tube material

Grade	Yield strength (MPa)	Tensile strength (MPa)	Elongation %
1340	≥379	≥655	≥18

3.2.2. Mechanical properties of Tool Joints

Yield Strength (MPa)	Minimum tensile strength (MPa)	Elongation %	Brinell hardness	Charpy shock
≥758	≥965	≥13	285-341	≥ 54J

4.Use of drill pipe

Before use, be sure to check the specifications of the drill tool connecting the pipe body and the type of the joint thread. Before assembling and connecting, in order to avoid sticking, the threads of the male and female joints must be flushed to remove impurities. Three times of top-up and shackle treatment are required for the first use. Make up at 1/2 of the make-up torque for the first time, make up at 2/3 of the make-up torque for the second time, and then unplug it after the third time is full, and then connect to the well. The threaded oil must be smeared when the shackle is on. Note: NC50make-up torque 44860 N.M

Be sure to check the threaded part of the joint before connecting the pipe body or connecting with other drilling tools. If the thread is cracked, it is considered unqualified.

4.1Precautions for the use of drill pipes and joints

When the new joint thread is used for the first time, the following prescribed steps must be followed:

1、When the new joint thread is fastened for the first time and the first few times of drilling, the screwing should be slow, and then tighten it with a tong. Whether it is fastened with a screw rope or a screwdriver, the connection thread will be easily damaged if it is fastened.

2、When the internal and external threads are not aligned properly, avoid forcibly buckling. When buckling, the crests of the new threads will sometimes withstand each other. At this time, it is necessary to invert a little bit and buckle again when the threads are not crested.

3. The shackle operation must adhere to the double clamp shackle. When the internal and external threads are tightly matched, avoid hitting the joint with heavy objects such as a hammer to avoid damage and deformation of the joint.

4. When assembling the drill pipe and the handover, the tight distance of the fit must be strictly checked, and it must be screwed in place with free pliers without any gap. Otherwise, the drill pipe or the handle will break during normal drilling.

5. The thread must be cleaned before each joint is connected, and the drill pipe thread oil must be evenly applied to the internal thread and the shoulder surface. It is best to choose a hard round bristle brush. Do not use brown rope to make your own. Make sure that the drill pipe thread oil and brush are clean and free of debris. After use, cover and seal the oil barrel of drill pipe thread.

6. Do not impact the end of the external thread on the shoulder of the internal thread when buckling, otherwise it will cause damage to the external thread or the internal thread shoulder. This kind of damage can be overcome by the driller and the driller together, cooperate and coordinate, grasp and pull steadily, concentrate, and align gently.

Before screwing, the internal and external threads must be aligned. When the joint is swaying or jamming, high-speed screwing is not allowed, otherwise the thread will be damaged. When connecting a single rod, using the drill pipe buckle tool to fast buckle easily causes thread damage. At this time, special attention must be paid to ensure that

the joint threads are clean, there is a sufficient amount of evenly spread drill pipe thread oil, and the joint does not swing or jam. After screwing, it must be fastened with large pliers (double pliers) according to the specified torque, otherwise it will increase the possibility of damage to the thread of the joint.

4.2 The situation where the drill pipe cannot be used

1. Screw the male connector into the female connector

2. When screwing the drill string to install the parts, there will be an interruption and jamming, which is easy to damage the thread.

3. Raise or lower the drill string when the shock absorber is damaged

4. Use slips with screw plates that do not meet the drill pipe specifications

5. Clamp the pipe body with a machine wrench

6. Transport or take the drill pipe out of the well without safety elements.

7. Excess torque

8.Put a gasket on the hard surface of the male and female joints.

9. Use super lubricant in the bore when rotating, in order to reduce the wear of the drill pipe.

5. Transportation and storage

1. Please use double elevators and no slips to avoid biting the pipe by the jaws. At the same time, please install a mud scraper to reduce the corrosion of the drill pipe by the drilling fluid;

2. When the drill pipe column is placed on the drill floor, pay attention to the thread damage at the bottom of the drill string. Do not lay hard objects such as chains or wire ropes in the drill pipe box. It is recommended to lay rubber or wood.

3. Do not place heavy objects, acid or alkaline chemicals on the drill tool, do not perform electric or gas welding operations on the drill tool, and do not use the drill tool as an electric welding wire, welding any mark or jaws, etc.;

4. Before well completion and recovery, the inner and outer walls of the pipe must be rinsed with clean water, and must be placed on the pipe rack according to regulations when stored at the well site;

5. In the process of retrieving, loading, unloading and transporting the drill pipe, the drill pipe should be equipped with a wire guard and operate smoothly to prevent severe collisions.

Supplement

1. Regularly check the drill pipe

1.1 Appearance inspection of thread butt before and after each screwing.

1.2 Before use, the pipe body and joint connection must be inspected through visual inspection.

1.3 If any defect is suspected, ultrasonic or magnetic particle inspection should be carried out.

1.4 The main reason for the failure of the drill pipe is the fatigue damage of the metal under different loads. In order to prevent accidents, drill pipe flaw detection must be performed regularly. Regular inspections of drill pipes are based on corporate standards.

In this case, if there is a place that exceeds the allowable load range when the drill string is working, it is also necessary to eliminate the hidden dangers caused by defects (drill stuck, fly drill).

2. There are strict requirements for the data on the conversion of drill pipe from one steel grade to another. If the mechanical wear value or the drill pipe's own defects exceed the allowable value of level 3, the drill pipe is regarded as unqualified.

3. The tightening of all joints is recommended to be within the specified torque, which depends on the type and size of the joint, the friction coefficient of the mating surface and the yield tensile strength of the material.

4. The torque value of the drill pipe screwing is also due to defects and the outer diameter is reduced to reduce the load value.

5. Drill pipe operation registration and cancellation must comply with company standards.

QUALITY DOCUMENTATION PACKAGE

Customer：″LTAVA CAPITAL GROUP″ LLC LCG CO.LTD

P.O Number：D2026-0126-14

Quantity：12 pcs

Production：HWDP

Specification：5 ″× 3″ 1340+4137H NC50 31± 0.5ft

φ 127× φ 76.2 1340+4137H NC50 9450± 152.4mm



QC Manager

2026.01.12

Date