

TONGSHUN
通顺 DRILLING EQUIPMENT

钻井设备与钻杆系统

DRILLING EQUIPMENT & DRILL PIPE SYSTEMS

水井钻机 / 取芯钻机 / 钻杆与钻具

PRODUCT CATALOGUE / 产品目录

JINZHOU CITY TONGSHUN DRILLING MACHINE CO., LTD.

关于通顺

ABOUT TONGSHUN

公司简介 / COMPANY PROFILE

晋州市通顺钻机有限公司是一家位于中国的钻井设备及钻具制造商和供应商。产品涵盖水井钻机、取芯钻机，API、潜孔锤、水平定向钻及反循环钻杆系统，钻铤、加重钻杆、接头、转换接头，以及螺杆空压机、泥浆泵和相关施工配套设备。

Jinzhou City Tongshun Drilling Machine Co., Ltd. is a China-based manufacturer and supplier of drilling equipment and drilling tools. Our portfolio covers water-well and core drilling rigs; API, DTH, HDD and RC drill pipe systems; drill collars, heavy-weight drill pipe, tool joints, subs and adapters; together with screw air compressors, mud pumps and related drilling support equipment.

制造与质检 / MANUFACTURING & QUALITY

制造及加工能力包括摩擦焊接、锻造、中频炉加工、校直和机械加工。专用检测设备支持尺寸、材料性能、连接几何形状及出厂前的最终核查。

Manufacturing and processing capabilities include friction welding, forging, intermediate-frequency furnace processing, straightening and machining. Dedicated inspection equipment supports dimensional, material-property, connection-geometry and final pre-delivery checks.

客户支持 / CUSTOMER SUPPORT

从产品选型和配置确认，到具体型号的技术文件及售后支持，通顺与客户协作，使钻机、钻杆和钻具匹配实际项目条件。

From product selection and configuration confirmation to model-specific technical documentation and after-sales support, Tongshun works with customers to match the drilling equipment, drill pipe and tooling to actual project conditions.

产品与应用 / PRODUCTS & APPLICATIONS

水井钻机 / Water-well drilling rigs

取芯钻机 / Core drilling rigs

钻杆系统(API、DTH、HDD、RC) / Drill pipe systems

钻铤与加重钻杆 / Drill collars and HWDP

接头与转换接头 / Tool joints, subs and adapters

螺杆空压机 / Screw air compressors

泥浆泵与配套设备 / Mud pumps and support equipment

水井钻进 / Water-well drilling

取芯与勘探 / Core drilling and exploration

地热钻进 / Geothermal drilling

水平定向钻与非开挖 / HDD and trenchless work

反循环钻进与取样 / RC drilling and sampling

相关现场应用 / Related field applications

从应用需求到设备配置

FROM APPLICATION TO CONFIGURATION

按项目需求筛选，再核对完整技术参数与最终配置。

01 水井钻机 **01-10**

WATER-WELL DRILLING RIGS

地层、终孔直径、套管和供气需求

Geology, final hole diameter, casing and air demand.

02 取芯钻机 **11-22**

CORE DRILLING RIGS

分别比较BTW、NTW、HTW钻深及完整钻进系统

Compare BTW / NTW / HTW depth and the complete drilling system.

03 钻杆与钻具 **23-42**

DRILL PIPE & DRILLING TOOLS

确认钻进方法、尺寸、螺纹和接口

Confirm drilling method, dimensions, thread and interface.

应用 / 工况范围 / 技术参数 / 最终配置

APPLICATION / OPERATING ENVELOPE / TECHNICAL DATA / FINAL CONFIGURATION

水井钻机

WATER-WELL DRILLING RIGS

按工况范围选型，不只看钻深。

W01	小型水井钻机系列 COMPACT WATER-WELL SERIES	**180-260 m**
W02	通用型水井钻机系列 GENERAL-PURPOSE SERIES	**300-450 m**
W03	深井型水井钻机系列 DEEP-WELL SERIES	**500-700 m**
W04	重型深井钻机系列 HEAVY-DUTY DEEP-WELL SERIES	**800-1000 m**

对应机型与参数请见后续系列页及对比表。

水井钻机系列选型图

WATER-WELL SERIES SELECTION MAP

先确认地层、终孔直径及套管方案，再核对钻深、钻杆直径、提升力和空压机需求。

Start with geology, final hole diameter and casing. Then confirm depth, pipe size, pullback and compressor demand.

W01 小型水井钻机系列 — **180-260 m**

COMPACT WATER-WELL SERIES

乡村和社区供水井、农田灌溉、施工用水，以及频繁在狭小或受限工地转场的承包商。

W02 通用型水井钻机系列 — **300-450 m**

GENERAL-PURPOSE SERIES

适用于承接乡村供水、商业用井、灌溉和中等深度项目，并在不同工地作业的专业水井施工承包商。

W03 深井型水井钻机系列 — **500-700 m**

DEEP-WELL SERIES

适用于区域供水承包商、机构供水、较深灌溉井，以及含水层或硬岩段需要更大深度余量的项目。

W04 重型深井钻机系列 — **800-1000 m**

HEAVY-DUTY DEEP-WELL SERIES

适用于深层地下水开发、干旱地区供水、大型灌溉或工业用水，以及需要管理长钻柱和较重套管方案的承包商。

小型水井钻机系列

W01

COMPACT WATER-WELL SERIES

180-260 m

代表机型 / REPRESENTATIVE MODEL

TSH-260



- **COMPACT**
- **MOBILE**
- **COST-CONTROLLED**
- **FREQUENT RELOCATION**

适用场景 WHERE IT FITS

乡村和社区供水井、农田灌溉、施工用水，以及频繁在狭小或受限工地转场的承包商。

Rural and community water wells, farm irrigation, construction water and contractors moving frequently between small or restricted sites.

如何选型 HOW TO CHOOSE

计划井深通常不超过260 m，且运输效率与钻进能力同样重要时可考虑本系列。76-89 mm钻杆与1.7-2.5 MPa供气要求应结合所选潜孔锤系统核对。

Choose this series when the planned depth is generally within 260 m and transport efficiency matters as much as drilling capacity. The 76-89 mm drill-pipe range and 1.7-2.5 MPa air requirement suit compact DTH packages in consolidated formations.

使用边界 OPERATING BOUNDARY

遇到松散或易塌孔覆盖层，应在选定钻机前评估套管或泥浆护壁方案。

Loose or collapse-prone overburden should be reviewed for casing or mud support before the rig is selected.

小型水井钻机系列

COMPACT WATER-WELL SERIES

W01

机型对比 / MODEL COMPARISON

180-260 m

参数 PARAMETER	TSH-180 R	TSH-180 S	TSH-200	TSH-260
钻井深度 DEPTH	180 m	180 m	200 m	260 m
开孔直径 HOLE DIA.	140-254 mm	140-254 mm	140-254 mm	140-305 mm
适用钻杆直径 PIPE DIA.	76 / 89 mm	76 / 89 mm	76 / 89 mm	76 / 89 mm
回转扭矩 TORQUE	3.2-4.6 kN·m	3.2-4.6 kN·m	3.2-4.5 kN·m	4.0-5.3 kN·m
回转转速 SPEED	45-70 rpm	45-70 rpm	45-70 rpm	45-70 rpm
提升力 LIFT	12 T	12 T	13 T	15 T
提升速度 LIFT SPEED	20 m/min	20 m/min	20 m/min	24 m/min
发动机功率 POWER	55 kW	60 kW	58 kW	76 kW
空压机要求 COMPRESSOR	1.7-2.5 MPa 17-31 m³/min	1.7-2.5 MPa 17-31 m³/min	1.7-2.5 MPa 17-31 m³/min	1.7-2.5 MPa 17-31 m³/min
整机尺寸 DIMENSIONS	3950 x 1630 x 2250 mm	4000 x 1630 x 2250 mm	3950 x 1750 x 2250 mm	3900 x 1750 x 2250 mm

完整技术参数请参阅对应型号的技术参数表。

通用型水井钻机系列

GENERAL-PURPOSE SERIES

W02

300-450 m

代表机型 / REPRESENTATIVE MODEL

TSH-400

- **VERSATILE**
- **BALANCED**
- **CONTRACTOR-READY**
- **WIDER OPERATING RANGE**



适用场景 WHERE IT FITS

适用于承接乡村供水、商业用井、灌溉和中等深度项目，并在不同工地作业的专业水井施工承包商。

Professional water-well contractors handling mixed rural supply, commercial wells, irrigation and medium-depth projects across changing job sites.

如何选型 HOW TO CHOOSE

本系列覆盖较宽的选型范围，扭矩、提升力和可选钻杆直径高于小型系列，同时运输负担低于深井型设备。

This is the broadest selection band in the range. It adds higher torque, lifting force and larger drill-pipe options while remaining below the logistics burden of the deep-well machines.

使用边界 OPERATING BOUNDARY

最终机型应结合目标井深、套管直径、地层及空压机需求确定，不宜只按井深选择。

Select the final model from expected depth, casing diameter, geology and compressor demand, not depth alone.

通用型水井钻机系列

GENERAL-PURPOSE SERIES

W02

机型对比 / MODEL COMPARISON

300-450 m

参数 PARAMETER	TSH-300A	TSH-300B	TSH-350	TSH-400	TSH-450
钻井深度 DEPTH	300 m	300 m	350 m	400 m	450 m
开孔直径 HOLE DIA.	140-325 mm	140-305 mm	140-325 mm	140-325 mm	140-350 mm
适用钻杆直径 PIPE DIA.	76 / 89 mm	76 / 89 / 102	89 / 102 mm	89 / 102 mm	89 / 102 mm
回转扭矩 TORQUE	5.7-7.5 kN·m	5.7-7.5 kN·m	6.2-8.5 kN·m	6.5-9.0 kN·m	7.0-9.5 kN·m
回转转速 SPEED	40-70 rpm	40-70 rpm	66-135 rpm	66-135 rpm	30-135 rpm
提升力 LIFT	18 T	18 T	22 T	24 T	25 T
提升速度 LIFT SPEED	22 m/min	22 m/min	18 m/min	18 m/min	20 m/min
发动机功率 POWER	85 kW	85 kW	91 kW	92 kW	103 kW
空压机要求 COMPRESSOR	1.7-3.0 MPa 17-36 m³/min	1.7-3.0 MPa 17-36 m³/min	1.7-3.4 MPa 17-36 m³/min	1.7-3.4 MPa 17-36 m³/min	1.7-3.4 MPa 17-36 m³/min
整机尺寸 DIMENSIONS	4100 x 2000 x 2260 mm	5900 x 1850 x 2200 mm	6000 x 2000 x 2550 mm	6000 x 2000 x 2550 mm	5950 x 2100 x 2600 mm

完整技术参数请参阅对应型号的技术参数表。

深井型水井钻机系列

W03

DEEP-WELL SERIES

500-700 m

代表机型 / REPRESENTATIVE MODEL

TSH-600



- **DEEP CAPACITY**
- **HIGHER PULLBACK**
- **102-114 MM PIPE**
- **LONGER CAMPAIGNS**

适用场景 WHERE IT FITS

适用于区域供水承包商、机构供水、较深灌溉井，以及含水层或硬岩段需要更大深度余量的项目。

Regional water contractors, institutional supply, deeper irrigation wells and projects where target aquifers or hard-rock intervals require greater depth reserve.

如何选型 HOW TO CHOOSE

当较深钻进、较重钻柱和较长套管方案使提升力与扭矩成为关键因素时，可考虑本系列。

Choose this series when deeper drilling, heavier drill strings and longer casing programs make pullback and torque critical.

使用边界 OPERATING BOUNDARY

应按实际孔径、潜孔锤和施工海拔匹配供气系统。目录中的供气范围是设备需求，不代表一台空压机适合所有地层。

Match the air package to actual hole diameter, hammer and altitude. The catalogue air range is a rig requirement, not a guarantee that one compressor suits every formation.

深井型水井钻机系列

DEEP-WELL SERIES

W03

机型对比 / MODEL COMPARISON

500-700 m

参数 PARAMETER	TSH-500	TSH-600	TSH-700
钻井深度 DEPTH	500 m	600 m	700 m
开孔直径 HOLE DIA.	140-350 mm	140-350 mm	140-350 mm
适用钻杆直径 PIPE DIA.	89 / 102 / 114	102 / 108 / 114	102 / 108 / 114
回转扭矩 TORQUE	7.5-10.0 kN·m	8.5-11.0 kN·m	8.5-11.0 kN·m
回转转速 SPEED	45-130 rpm	45-130 rpm	45-140 rpm
提升力 LIFT	26 T	28 T	28 T
提升速度 LIFT SPEED	20 m/min	20 m/min	20 m/min
发动机功率 POWER	110 kW	118 kW	132 kW
空压机要求 COMPRESSOR	1.7-3.5 MPa 17-42 m³/min	1.7-3.5 MPa 17-42 m³/min	1.7-3.5 MPa 17-42 m³/min
整机尺寸 DIMENSIONS	6300 x 2200 x 2650 mm	6300 x 2200 x 2650 mm	6200 x 2200 x 2950 mm

完整技术参数请参阅对应型号的技术参数表。

重型深井钻机系列

W04

HEAVY-DUTY DEEP-WELL SERIES

800-1000 m

代表机型 / REPRESENTATIVE MODEL

TSH-1000

- **VERY DEEP**
- **HEAVY-DUTY**
- **LARGE DIAMETER**
- **HIGH LIFT RESERVE**



适用场景 WHERE IT FITS

适用于深层地下水开发、干旱地区供水、大型灌溉或工业用水，以及需要管理长钻柱和较重套管方案的承包商。

Deep groundwater development, arid-region supply, large irrigation or industrial water projects, and contractors managing long drill strings and heavier casing programs.

如何选型 HOW TO CHOOSE

应将本系列作为完整钻井系统选型。下单前确认地层与钻进方法、终孔直径、套管方案、钻杆配置、现场海拔下的空压机输出、燃油和供水条件及运输限制。

This series should be specified as a complete drilling system. Confirm geological method, final diameter, casing plan, drill-pipe inventory, compressor output at site altitude, fuel and water logistics, and transport limits before ordering.

使用边界 OPERATING BOUNDARY

较高功率与30-36 T提升力提供深度余量，但不能替代针对项目制定的钻进方案。

Higher power and 30-36 T lifting force provide depth reserve, but do not replace a project-specific drilling plan.

重型深井钻机系列

HEAVY-DUTY DEEP-WELL SERIES

W04

机型对比 / MODEL COMPARISON

800-1000 m

参数 PARAMETER	TSH-800	TSH-1000
钻井深度 DEPTH	800 m	1000 m
开孔直径 HOLE DIA.	140-400 mm	140-400 mm
适用钻杆直径 PIPE DIA.	102 / 108 / 114	102/108/114/127
回转扭矩 TORQUE	8.85-13.15 kN·m	9.0-14.0 kN·m
回转转速 SPEED	45-140 rpm	45-140 rpm
提升力 LIFT	30 T	36 T
提升速度 LIFT SPEED	20 m/min	20 m/min
发动机功率 POWER	153 kW	194 kW
空压机要求 COMPRESSOR	1.7-3.5 MPa 17-42 m³/min	1.7-3.5 MPa 17-42 m³/min
整机尺寸 DIMENSIONS	6300 x 2300 x 2950 mm	6300 x 2300 x 2950 mm

完整技术参数请参阅对应型号的技术参数表。

液压取芯钻机

HYDRAULIC CORE DRILLING RIGS

按取芯规格、钻深和完整钻进系统选型。

C01	小型液压取芯钻机系列 COMPACT HYDRAULIC CORE SERIES	**BTW 260-480 m**
C02	中深度液压取芯钻机系列 MID-DEPTH HYDRAULIC CORE SERIES	**BTW 650-1000 m**
C03	深孔液压取芯钻机系列 DEEP HYDRAULIC CORE SERIES	**BTW 1200-1400 m**
C04	重型深孔取芯钻机系列 HEAVY-DUTY DEEP CORE SERIES	**BTW 1800-2000 m**
C05	超深孔取芯钻机系列 ULTRA-DEEP CORE SERIES	**NTW 2000-2600 m**

对应机型与参数请见后续系列页及对比表。

取芯钻机系列选型图

CORE-RIG SERIES SELECTION MAP

先确认取芯规格与目标钻深，再核对孔角、提升能力、绳索系统、冲洗液系统和工地通行条件。

Start with core size and target depth. Then confirm angle, hoisting, wireline, fluid system and site access.

C01 小型液压取芯钻机系列 — **BTW 260-480 m**

COMPACT HYDRAULIC CORE SERIES

适用于早期矿产勘探、岩土工程勘察，以及优先考虑运输、安装速度和小型工地通行条件的承包商。

C02 中深度液压取芯钻机系列 — **BTW 650-1000 m**

MID-DEPTH HYDRAULIC CORE SERIES

适用于要求中等钻深连续取芯、使用履带式地表钻机的矿产勘探与资源界定项目。

C03 深孔液压取芯钻机系列 — **BTW 1200-1400 m**

DEEP HYDRAULIC CORE SERIES

适用于深部矿产勘探与资源界定钻探，其中较长的绳索取芯能力和稳定的钻杆操作对效率至关重要。

C04 重型深孔取芯钻机系列 — **BTW 1800-2000 m**

HEAVY-DUTY DEEP CORE SERIES

适用于需要更大提升能力、更长绳索系统和持续深孔作业的地表矿产勘探项目。

C05 超深孔取芯钻机系列 — **NTW 2000-2600 m**

ULTRA-DEEP CORE SERIES

适用于N级取芯目标深度2000-2600 m、且具备持续超深孔作业后勤条件的深部矿产勘探。

小型液压取芯钻机系列

C01

COMPACT HYDRAULIC CORE SERIES

BTW 260-480 m

代表机型 / REPRESENTATIVE MODEL

TSHCX-400



- COMPACT
- ACCESSIBLE
- B-N-H SIZE
- SHORT CAMPAIGNS

适用场景 WHERE IT FITS

适用于早期矿产勘探、岩土工程勘察，以及优先考虑运输、安装速度和小型工地通行条件的承包商。

Early-stage mineral exploration, geotechnical investigation and contractors prioritizing transport, setup speed and access to smaller sites.

如何选型 HOW TO CHOOSE

适合中等钻深且现场通行条件比最大提升力更重要的项目。BTW、NTW和HTW能力应分别比较，较大的取芯规格会降低标称钻深。

Use this series where moderate depth and site access take priority over maximum pullback. BTW, NTW and HTW capacities must be compared separately because larger core sizes reduce nominal depth.

使用边界 OPERATING BOUNDARY

橡胶履带或钢履带应根据地面保护、牵引力和行走条件选择。

Rubber and steel track options should be selected from ground protection, traction and travel requirements.

小型液压取芯钻机系列

COMPACT HYDRAULIC CORE SERIES

C01

机型对比 / MODEL COMPARISON

BTW 260-480 m

参数 PARAMETER	TSHC-200	TSHCX-400	TSHCG-400
BTW钻深 BTW	260 m	480 m	480 m
NTW钻深 NTW	200 m	400 m	400 m
HTW钻深 HTW	100 m	200 m	200 m
回转扭矩 TORQUE	1.2 kN·m	1.2 kN·m	1.2 kN·m
最高转速 MAX SPEED	1400 rpm	1400 rpm	1400 rpm
提升力 HOIST	14 T	16 T	16 T
绳索容量 WIRELINE	300 m	500 m	500 m
卷扬速度 WINCH SPEED	110 m/min	110 m/min	110 m/min
发动机功率 POWER	58 kW	75 kW	75 kW
钻孔角度 ANGLE	45-90 deg	45-90 deg	45-90 deg
泥浆泵 MUD PUMP	BW90	BW90 / BW100	BW90 / BW100
尺寸/重量 SIZE / WEIGHT	5.4 x 1.8 x 2.3 m 5.3 T	5.4 x 1.8 x 2.3 m 5.3 T	5.4 x 1.8 x 2.3 m 5.8 T

完整技术参数请参阅对应型号的技术参数表。

中深度液压取芯钻机系列

MID-DEPTH HYDRAULIC CORE SERIES

BTW 650-1000 m

代表机型 / REPRESENTATIVE MODEL

TSHC-800



- **MID-DEPTH**
- **WIRELINE**
- **16-24 T HOIST**
- **BALANCED MOBILITY**

适用场景 WHERE IT FITS

适用于要求中等钻深连续取芯、使用履带式地表钻机的矿产勘探与资源界定项目。

Mineral exploration and resource-definition programs requiring continuous core recovery over medium depths with a crawler-mounted surface rig.

如何选型 HOW TO CHOOSE

本系列在钻深、绳索取芯能力与整机重量之间取得平衡。先按所需取芯规格和钻孔角度选型，再核对提升力、绳索卷扬容量、泥浆泵能力与运输通道。

This series balances drilling depth, wireline capacity and machine weight. Select the model from required core size and hole angle first, then verify hoisting force, wireline length, mud-pump capacity and transport access.

使用边界 OPERATING BOUNDARY

TSHC-800的钻深和提升力明显高于600级机型，选型时应核对现场配套。

The TSHC-800 adds a substantial depth and lifting step above the 600-class machines.

中深度液压取芯钻机系列

MID-DEPTH HYDRAULIC CORE SERIES

机型对比 / MODEL COMPARISON

BTW 650-1000 m

参数 PARAMETER	TSHCX-600	TSHCG-600	TSHC-800
BTW钻深 BTW	650 m	650 m	1000 m
NTW钻深 NTW	600 m	600 m	800 m
HTW钻深 HTW	300 m	300 m	600 m
回转扭矩 TORQUE	1.6 kN·m	1.6 kN·m	2.0 kN·m
最高转速 MAX SPEED	1400 rpm	1400 rpm	1400 rpm
提升力 HOIST	16 T	16 T	24 T
绳索容量 WIRELINE	800 m	800 m	1000 m
卷扬速度 WINCH SPEED	110 m/min	110 m/min	110 m/min
发动机功率 POWER	92 kW	92 kW	92 kW
钻孔角度 ANGLE	45-90 deg	45-90 deg	45-90 deg
泥浆泵 MUD PUMP	BW90 / BW100	BW90 / BW100	BW160
尺寸/重量 SIZE / WEIGHT	5.4 x 1.8 x 2.3 m 5.7 T	5.4 x 1.8 x 2.3 m 6.2 T	5.7 x 2.1 x 2.4 m 7.5 T

完整技术参数请参阅对应型号的技术参数表。

深孔液压取芯钻机系列

DEEP HYDRAULIC CORE SERIES

C03

BTW 1200-1400 m

代表机型 / REPRESENTATIVE MODEL

TSHC-1000

- **DEEP EXPLORATION**
- **LONG WIRELINE**
- **24 T HOIST**
- **HIGHER TORQUE**



适用场景 WHERE IT FITS

适用于深部矿产勘探与资源界定钻探，其中较长的绳索取芯能力和稳定的钻杆操作对效率至关重要。

Deep mineral exploration and resource-definition drilling where long wireline capacity and stable rod handling are central to productivity.

如何选型 HOW TO CHOOSE

应分别比较两款机型的BTW、NTW和HTW钻深，而非只看一个最大深度数字；同时确认钻孔角度、钻杆系统、冲洗液方案及取芯方式。

Choose between the two models from required BTW, NTW and HTW depth rather than a single headline number. Confirm drilling angle, rod system, fluid program and recovery method.

使用边界 OPERATING BOUNDARY

钻深为标称值，不应表述为在所有地层条件下都能保证达到的结果。

Depth ratings are nominal and should not be presented as guaranteed results in every ground condition.

深孔液压取芯钻机系列

DEEP HYDRAULIC CORE SERIES

机型对比 / MODEL COMPARISON

BTW 1200-1400 m

参数 PARAMETER	TSHC-1000	TSHC-1200
BTW钻深 BTW	1200 m	1400 m
NTW钻深 NTW	1000 m	1200 m
HTW钻深 HTW	800 m	1000 m
回转扭矩 TORQUE	2.6 kN·m	3.0 kN·m
最高转速 MAX SPEED	1400 rpm	1400 rpm
提升力 HOIST	24 T	24 T
绳索容量 WIRELINE	1200 m	1400 m
卷扬速度 WINCH SPEED	110 m/min	110 m/min
发动机功率 POWER	118 kW	132 kW
钻孔角度 ANGLE	45-90 deg	45-90 deg
泥浆泵 MUD PUMP	BW160	BW160
尺寸/重量 SIZE / WEIGHT	5.7 x 2.1 x 2.4 m 7.6 T	5.7 x 2.1 x 2.4 m 7.8 T

完整技术参数请参阅对应型号的技术参数表。

重型深孔取芯钻机系列

HEAVY-DUTY DEEP CORE SERIES

BTW 1800-2000 m

代表机型 / REPRESENTATIVE MODEL

TSHC-1600

- **HEAVY-DUTY**
- **LONG-HOLE**
- **30-35 T HOIST**
- **1800-2000 M WIRELINE**



适用场景 WHERE IT FITS

适用于需要更大提升能力、更长绳索系统和持续深孔作业的地表矿产勘探项目。

Long-hole surface mineral exploration programs requiring higher pull capacity, longer wireline systems and sustained deep-hole operation.

如何选型 HOW TO CHOOSE

提供机型建议前，应确认钻杆规格、目标孔角、预期地层、泥浆系统、钻杆操作方案和现场物流条件。

Offer these models after confirming rod size, target angle, expected ground conditions, mud system, rod-handling plan and site logistics.

使用边界 OPERATING BOUNDARY

更高的功率和提升力可支持更深的作业计划，但实际可达钻深仍取决于完整钻进系统与现场条件。

Higher power and lifting capacity support deeper programs, but actual achievable depth remains dependent on the complete drilling system and field conditions.

重型深孔取芯钻机系列

HEAVY-DUTY DEEP CORE SERIES

机型对比 / MODEL COMPARISON

BTW 1800-2000 m

参数 PARAMETER	TSHC-1500	TSHC-1600
BTW钻深 BTW	1800 m	2000 m
NTW钻深 NTW	1500 m	1600 m
HTW钻深 HTW	1200 m	1200 m
回转扭矩 TORQUE	3.4 kN·m	3.8 kN·m
最高转速 MAX SPEED	1400 rpm	1400 rpm
提升力 HOIST	30 T	35 T
绳索容量 WIRELINE	1800 m	2000 m
卷扬速度 WINCH SPEED	110 m/min	110 m/min
发动机功率 POWER	154 kW	154 kW
钻孔角度 ANGLE	45-90 deg	45-90 deg
泥浆泵 MUD PUMP	BW160 / BW250	BW160 / BW250
尺寸/重量 SIZE / WEIGHT	7.1 x 2.1 x 2.5 m 9.3 T	7.1 x 2.1 x 2.5 m 9.3 T

完整技术参数请参阅对应型号的技术参数表。

超深孔取芯钻机系列

ULTRA-DEEP CORE SERIES

C05

NTW 2000-2600 m

代表机型 / REPRESENTATIVE MODEL

TSHC-2600

- **ULTRA-DEEP**
- **10-12 KN.M TORQUE**
- **30-35 T LIFT**
- **194-239 KW**



适用场景 WHERE IT FITS

适用于N级取芯目标深度2000-2600 m、且具备持续超深孔作业后勤条件的深部矿产勘探。

Deep mineral exploration with N-size targets of 2000-2600 m and logistics for sustained ultra-deep drilling.

如何选型 HOW TO CHOOSE

先按BTW、NTW和HTW目标钻深在两款机型中选择，再将扭矩、提升力、卷扬钢丝绳配置、泥浆循环、钻杆操作和运输通道作为完整系统确认。

Select between the two models by BTW, NTW and HTW target depth, then confirm torque, lift, wireline rope configuration, mud circulation, rod handling and transport access as one complete system.

使用边界 OPERATING BOUNDARY

型号数字对应NTW能力；实际可达钻深受钻杆规格、孔角、地层、钻进方法和现场完整配置影响。

Model numbers follow NTW capacity. Actual achievable depth remains dependent on rod size, hole angle, formation, drilling practice and the complete field configuration.

超深孔取芯钻机系列

ULTRA-DEEP CORE SERIES

机型对比 / MODEL COMPARISON

NTW 2000-2600 m

参数 PARAMETER	TSHC-2000	TSHC-2600
BTW钻深 BTW	2600 m	3000 m
NTW钻深 NTW	2000 m	2600 m
HTW钻深 HTW	1600 m	2000 m
回转扭矩 TORQUE	10.0 kN·m	12.0 kN·m
最高转速 MAX SPEED	1200 rpm	1200 rpm
提升力 HOIST	30 T	35 T
绳索容量 WIRELINE	3000 m (6 mm) 2500 m (8 mm)	2500 m (8 mm)
卷扬速度 WINCH SPEED	80 / 150 m/min	80 / 150 m/min
发动机功率 POWER	194 kW	239 kW
钻孔角度 ANGLE	45-90 deg	45-90 deg
泥浆泵 MUD PUMP	BW250	BW250
尺寸/重量 SIZE / WEIGHT	7.30 x 2.25 x 3.10 m 12.8 T	7.30 x 2.25 x 3.10 m 13.5 T

完整技术参数请参阅对应型号的技术参数表。

钻杆与钻具

DRILL PIPE & DRILLING TOOLS

确认钻进方法、接口和完整技术参数。

P01	API摩擦焊接钻杆 API FRICTION-WELDED DRILL PIPE	**2 3/8-6 5/8 in**
P02	潜孔锤水井钻杆 DTH WATER-WELL DRILL PIPE	**3-5 in**
P03	水平定向钻钻杆 HDD DRILL PIPE	**2-4 1/2 in**
P05	反循环双壁钻杆 RC / DOUBLE-WALL DRILL PIPE	**50-219 mm outer tube**
P06	钻铤与加重钻杆 DRILL COLLARS & HEAVY-WEIGHT DRILL PIPE	配重与过渡段
P07	指定钻机接口钻杆 DRILL PIPE FOR SPECIFIC RIG MODELS	按钻机接口确认
P08	钻杆接头、转换接头与接箍 TOOL JOINTS, SUBS & ADAPTERS	**57-168 mm**配件外径
P04	螺纹连接钻杆 THREAD-CONNECTED DRILL PIPE	**42-89 mm**

对应机型与参数请见后续系列页及对比表。

钻杆与钻具选型图

DRILL PIPE & TOOL SELECTION MAP

先确认钻进方法，再逐项核对管体、连接和钻机接口。

Start with the drilling method, then verify body, connection and rig interface.

P01	API摩擦焊接钻杆 **API FRICTION-WELDED DRILL PIPE**	**2 3/8-6 5/8 in**
P02	潜孔锤水井钻杆 **DTH WATER-WELL DRILL PIPE**	**3-5 in**
P03	水平定向钻钻杆 **HDD DRILL PIPE**	**2-4 1/2 in**
P05	反循环双壁钻杆 **RC / DOUBLE-WALL DRILL PIPE**	**50-219 mm outer tube**
P06	钻铤与加重钻杆 **DRILL COLLARS & HEAVY-WEIGHT DRILL PIPE**	配重与过渡段
P07	指定钻机接口钻杆 **DRILL PIPE FOR SPECIFIC RIG MODELS**	按钻机接口确认
P08	钻杆接头、转换接头与接箍 **TOOL JOINTS, SUBS & ADAPTERS**	**57-168 mm**配件外径
P04	螺纹连接钻杆 **THREAD-CONNECTED DRILL PIPE**	**42-89 mm**

API摩擦焊接钻杆

P01

API FRICTION-WELDED DRILL PIPE

2 3/8-6 5/8 in

代表机型 / REPRESENTATIVE MODEL

3 1/2 in / NC38



- **API 5DP REFERENCE**
- **E75 / G105 / S135**
- **EU / IEU**
- **NC / FH CONNECTIONS**

适用场景 WHERE IT FITS

适用于指定API型钻杆尺寸、钢级和接头连接的旋转钻进项目，包括较深水井、矿业和能源钻进系统。

Rotary drilling programs that specify API-style drill-pipe dimensions, steel grades and tool-joint connections, including deeper water-well, mining and energy drilling systems.

如何选型 HOW TO CHOOSE

应完整确认管体外径、公称重量、壁厚、钢级、管端加厚形式和连接型式；仅凭外径无法判断互换性或工作能力。

Select the complete combination of pipe OD, nominal weight, wall thickness, grade, upset and connection. OD alone does not define interchangeability or working capacity.

使用边界 OPERATING BOUNDARY

互换性须按外径、壁厚、钢级、加厚形式、接头尺寸和螺纹共同确认。最终选型还须考虑钻机接口、上扣扭矩、内压以及预期拉伸与扭转载荷，并依据获批技术参数表和连接图纸。

Compatibility must be confirmed by outside diameter, wall thickness, steel grade, upset type, tool-joint dimensions and connection-not by nominal size alone. Final selection must consider rig interface, make-up torque, internal pressure and expected tensile and torsional loads, following the approved Technical Data Sheet and connection drawing.

API摩擦焊接钻杆

API FRICTION-WELDED DRILL PIPE

P01

机型对比 / MODEL COMPARISON

2 3/8-6 5/8 in

规格 SIZE	外径 OD	公称重量 WT.	壁厚 WALL	钢级 GRADE	管端加厚 UPSET	连接型式 CONNECTION
2 3/8 in	60.3 mm	6.65 lb/ft	7.11 mm	E / G / X	EU	NC26
3 1/2 in	88.9 mm	13.30 lb/ft	9.35 mm	G / S / X	EU	NC38
4 1/2 in	114.3 mm	16.60 lb/ft	8.56 mm	E / G / S / X	EU	NC50
5 in	127.0 mm	19.50 lb/ft	9.19 mm	E	IEU	NC50
6 5/8 in	168.3 mm	27.70 lb/ft	9.19 mm	G / S	IEU	6 5/8 FH

完整技术参数请参阅对应型号的技术参数表。

潜孔锤水井钻杆

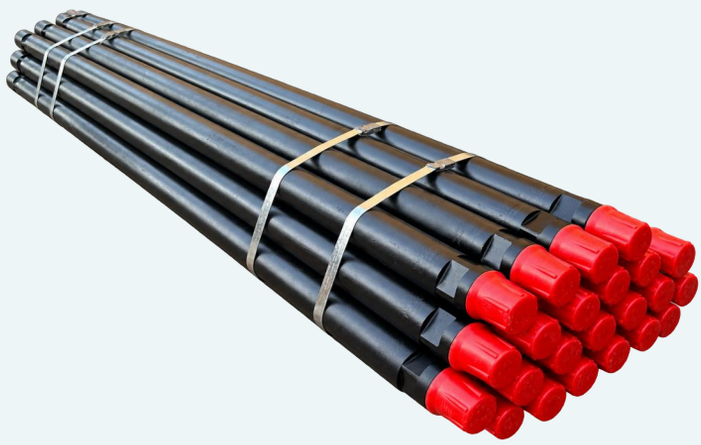
DTH WATER-WELL DRILL PIPE

3-5 in

代表机型 / REPRESENTATIVE MODEL

3 in / 2 3/8 REG

- **DTH HAMMER**
- **HARD ROCK**
- **AIR DELIVERY**
- **REG / NC THREADS**



适用场景 WHERE IT FITS

适用于水井、采石、基础工程和矿业作业，钻杆传递回转与进给力，并将压缩空气或钻井液输送至潜孔锤。

Water-well, quarry, foundation and mining work where the pipe transmits rotation and feed force while supplying compressed air or drilling fluid to a down-the-hole hammer.

如何选型 HOW TO CHOOSE

钻杆直径、螺纹、长度和夹持部位应与钻机、动力头及潜孔锤匹配；空压机输出、孔径和装卸长度应作为一个系统确认。

Match pipe diameter, thread, length and wrench arrangement to the rig, rotary head and hammer. Confirm compressor output, hole diameter and handling length as one system.

使用边界 OPERATING BOUNDARY

仅凭螺纹名称不足以确认互换性。投产前应核对公母扣几何尺寸、台肩状态及实际钻机或潜孔锤接口。

Thread name alone is not enough for interchangeability. Verify pin/box geometry, shoulder condition and actual rig or hammer interface before production.

潜孔锤水井钻杆

DTH WATER-WELL DRILL PIPE

机型对比 / MODEL COMPARISON

3-5 in

规格 SIZE	壁厚 WALL	可选长度 LENGTHS	重量 WEIGHT	螺纹 THREAD	钢级 GRADE
3 in / 76 mm	**6.5 mm**	**1 / 1.5 / 2 / 3 m**	**21.1-43 kg**	**2 3/8 REG**	**R780**
3 1/2 in / 89 mm	**8 mm**	**2 / 3 / 4.5 / 6 m**	**47-111 kg**	**2 3/8 REG / NC26**	**R780 / G105 / S135**
4 in / 102 mm	**8 mm**	**2 / 3 / 4.5 / 6 m**	**55.08-129 kg**	**2 7/8 REG / NC31**	**R780 / G105 / S135**
4 1/2 in / 114 mm	**8.56 mm**	**3 / 4.5 / 6 m**	**88.9-156 kg**	**3 1/2 REG / NC31 / NC35**	**R780 / G105 / S135**
5 in / 127 mm	**9.19 mm**	**3 / 4.5 / 6 m**	**105-185.2 kg**	**NC38**	**R780 / G105 / S135**

完整技术参数请参阅对应型号的技术参数表。

水平定向钻钻杆

HDD DRILL PIPE

2-4 1/2 in



代表机型 / REPRESENTATIVE MODEL

2 7/8 in / G105-S135

- **TRENCHLESS**
- **TORQUE**
- **BENDING**
- **RIG MATCHING**

适用场景 WHERE IT FITS

适用于管线与电缆等非开挖安装的水平定向钻施工，钻柱反复承受扭矩、拉力和弯曲载荷。

Horizontal directional drilling for trenchless installation of utilities, pipelines and cables where the string is repeatedly exposed to torque, tension and bending.

如何选型 HOW TO CHOOSE

应依据钻机接口、台肩间长度、扭矩限值和最小弯曲半径选型；接头外径还需与导向孔及扩孔方案匹配。

Select by rig interface, shoulder-to-shoulder length, torque limit and minimum bend radius. Confirm tool-joint OD against the bore plan and reaming program.

使用边界 OPERATING BOUNDARY

最小弯曲半径是设备和操作限值，不是建议的导向目标；最终数值须按具体钢级与连接规格确认。

Minimum bend radius is an equipment and operating limit, not a suggested steering target. Final values must be confirmed against the exact grade and connection row.

水平定向钻钻杆

HDD DRILL PIPE

机型对比 / MODEL COMPARISON

2-4 1/2 in

规格 SIZE	壁厚 WALL	长度 LENGTH	重量 WEIGHT	钢级 GRADE	回转扭矩 TORQUE	最小弯曲半径 MIN. RADIUS
2 in	6.5 mm	2 / 2.5 m	17 / 20 kg	G105 / S135	2.9 / 3.0 kN·m	38 / 30 m
2 3/8 in	7.1 mm	2 / 3 m	23 / 32 kg	G105 / S135	6.0 / 6.3 kN·m	42 / 33 m
2 7/8 in	8 mm	3 / 4 m	43 / 57 kg	G105 / S135	12 / 13 kN·m	58 / 45 m
3 1/2 in	9.35 mm	4.5 / 6 m	99 / 128 kg	G105 / S135	22.3 / 22.3 kN·m	80 / 80 m
4 1/2 in	10 mm	6 m	162 / 162 kg	G105 / S135	50 / 64 kN·m	98 / 90 m

完整技术参数请参阅对应型号的技术参数表。

螺纹连接钻杆

THREAD-CONNECTED DRILL PIPE

42-89 mm

代表机型 / REPRESENTATIVE MODEL

3 1/2 in / NC38

- **THREADED CONNECTION**
- **WATER-WELL DRILLING**
- **PIN / BOX CONTROL**
- **DRAWING CONFIRMATION**



适用场景 WHERE IT FITS

适用于动力头与孔内钻具之间采用螺纹连接钻杆总成的水井钻进系统。

Water-well drilling systems that use threaded drill-pipe assemblies between the rotary head and downhole drilling tools.

如何选型 HOW TO CHOOSE

应根据获批图纸或实物样件，确认管体外径、壁厚、长度、螺纹规格、公母扣配置、台肩和接头尺寸。

Confirm pipe OD, wall thickness, length, thread specification, pin/box arrangement, shoulder and tool-joint dimensions against an approved drawing or sample.

使用边界 OPERATING BOUNDARY

公称直径或常见螺纹名称本身不能证明可互换性；最终生产数据应以获批技术参数表和连接图纸为准。

Nominal diameter or a familiar thread name does not by itself confirm interchangeability. Final production data must follow the approved Technical Data Sheet and connection drawing.

螺纹连接钻杆

THREAD-CONNECTED DRILL PIPE

机型对比 / MODEL COMPARISON

42-89 mm

规格 SIZE	外径 OD	壁厚 WALL	钢级 GRADE	管端加厚 UPSET	连接型式 CONNECTION
1 11/16 in	42mm	6.5mm	R780	EU	-
1 15/16 in	50mm	6.5mm	R780	EU	-
2 3/8 in	60mm	6.5mm	R780	EU	-
2 7/8 in	73mm	9.19mm	R780	EU	NC31
3 1/2 in	89mm	10mm	R780	EU	NC38

完整技术参数请参阅对应型号的技术参数表。

反循环双壁钻杆

RC / DOUBLE-WALL DRILL PIPE

50-219 mm outer tube

代表机型 / REPRESENTATIVE MODEL

WK 102/41

- **REVERSE CIRCULATION**
- **DOUBLE WALL**
- **SAMPLE RETURN**
- **EXPLORATION**



适用场景 WHERE IT FITS

适用于反循环勘探、品位控制和气举钻进；环空与内管的独立流道支持岩屑或样品连续返出。

Reverse-circulation exploration, grade-control and air-lift drilling where separate annular and inner-tube flow paths support continuous cuttings or sample return.

如何选型 HOW TO CHOOSE

应将钻杆视为完整取样钻柱的一部分；选定长度前，核对外管、内管、接头外径、螺纹、潜孔锤、旋转接头和样品返出通道。

Treat the pipe as part of a complete sample string. Match outer tube, inner tube, joint OD, thread, hammer, swivel and sample-return path before selecting length.

使用边界 OPERATING BOUNDARY

不能只按公称外径组合产品；内管密封、螺纹族和取样系统兼容性须结合图纸及现场系统确认。

Do not combine products solely by nominal OD. Inner-tube seal, thread family and sample-system compatibility require drawing and field-system confirmation.

反循环双壁钻杆

RC / DOUBLE-WALL DRILL PIPE

机型对比 / MODEL COMPARISON

50-219 mm outer tube

类型 TYPE	外管外径 OUTER OD	内管内径 INNER ID	接头外径 JOINT OD	螺纹 THREAD	长度 LENGTH
WK 76/32	76 mm	32 mm	78 mm	3 in Remet	3 m
WK 102/41	102 mm	41 mm	103 mm	4 in Remet	3 / 6 m
WK 114/50	114.3 mm	50 mm	114.3 mm	4 1/2 in Remet	3 / 6 m
WB 127/76	127 mm	76 mm	162 / 168 mm	41 / 21F	6 / 9.5 m
WB 140/88	139.7 mm	88 mm	184 mm	5 1/2 FH	6 / 9.5 m

完整技术参数请参阅对应型号的技术参数表。

钻铤与加重钻杆

P06

DRILL COLLARS & HEAVY-WEIGHT DRILL PIPE

配重与过渡段



代表机型 / REPRESENTATIVE MODEL

API钻铤 / HWDP

- **WEIGHT ON BIT**
- **STRING STABILITY**
- **TRANSITION SECTION**
- **API 7-1 REFERENCE**

适用场景 WHERE IT FITS

适用于要求钻头附近集中配重，并在刚性钻铤与普通钻杆之间实现受控刚度过渡的旋转钻柱。

Rotary drill strings requiring concentrated weight near the bit and a controlled transition between rigid collars and standard drill pipe.

如何选型 HOW TO CHOOSE

应同时明确连接型式、外径、内径、长度、材料和钻柱位置；完整下部钻具组合还需核对刚度过渡与装卸限值。

Specify connection, OD, ID, length, material and string position together. Review stiffness transition and handling limits for the complete bottom-hole assembly.

使用边界 OPERATING BOUNDARY

钻柱最终设计、弯曲应力核算和连接上扣要求属于项目工程设计，不能只依据销售产品册确定。

Final drill-string design, bending-stress checks and connection make-up requirements belong in project engineering, not in the sales catalogue.

钻铤与加重钻杆

DRILL COLLARS & HEAVY-WEIGHT DRILL PIPE

机型对比 / MODEL COMPARISON

配重与过渡段

产品 PRODUCT	规格范围 SIZE RANGE	参考标准 REFERENCE	材料 MATERIAL	连接型式 CONNECTION	作用 ROLE
Drill collar	OD 79.4-279.4 mm	API Spec 7-1	4145H	NC / REG	Weight near bit
Integral HWDP	2 7/8-6 5/8 in	API 7-1 / GOST / NS-1	AISI 4145HM	NC / FH	Stiffness transition
Welded HWDP	2 7/8-6 5/8 in	API 7-1 / GOST / NS-1	4135HM joint / 4130 body	NC / FH	Heavy transition pipe

完整技术参数请参阅对应型号的技术参数表。

指定钻机接口钻杆

DRILL PIPE FOR SPECIFIC RIG MODELS

按钻机接口确认

代表机型 / REPRESENTATIVE MODEL

T4W / Driltech

- **INTERFACE MATCH**
- **T4W / DRILTECH**
- **OEM COMPATIBILITY**
- **DRAWING CONTROL**



适用场景 WHERE IT FITS

适用于现有机队维护与替换，需要钻杆匹配既有钻机、动力头、夹持配置或专有连接族的项目。

Fleet maintenance and replacement programs where drill pipe must fit an existing rig, rotary head, wrench arrangement or proprietary connection family.

如何选型 HOW TO CHOOSE

钻机型号只能作为起点；应依据实测样件或获批图纸，确认台肩间长度、管体外径、壁厚、接头外径、螺纹图纸和钢级。

Use the rig model only as the starting point. Confirm shoulder-to-shoulder length, pipe OD, wall, joint OD, thread drawing and steel grade from a measured sample or approved drawing.

使用边界 OPERATING BOUNDARY

兼容性描述仅表示原产品册所列范围，不能代替对客户实际钻机及现场磨损部件的尺寸检测。

Compatibility statements describe source-catalogue coverage and do not replace dimensional inspection of the customer's actual rig and worn field components.

指定钻机接口钻杆

DRILL PIPE FOR SPECIFIC RIG MODELS

机型对比 / MODEL COMPARISON

按钻机接口确认

产品族 FAMILY	型号/范围 MODEL / RANGE	应用 APPLICATION	关键核查 KEY CHECK
T4W	RIG-SPECIFIC	SHALLOW-MEDIUM WATER WELLS	APPROVED CONNECTION DRAWING
DRILTECH	RIG-SPECIFIC	MINING / CIVIL DRILLING	APPROVED CONNECTION DRAWING
CASE-COMPATIBLE	6010 / 6030	HDD	LENGTH / OD / JOINT OD / WALL
VERMEER / DITCH WITCH	D10x15-D130x120 / JT1720-JT7020	HDD	LENGTH / OD / JOINT OD / WALL

完整技术参数请参阅对应型号的技术参数表。

钻杆接头、转换接头与接箍

TOOL JOINTS, SUBS & ADAPTERS

57-168 mm配件外径

代表机型 / REPRESENTATIVE MODEL

NC / IF / REG / FH

- **THREAD ADAPTATION**
- **STRING CONNECTION**
- **FORGED JOINT**
- **CUSTOM DRAWING**



适用场景 WHERE IT FITS

用于水井、地质、矿业及油气钻进总成中钻杆、钻铤、钻头和钻机接口之间的连接。

Connecting drill pipe, drill collars, bits and rig interfaces across water-well, geological, mining, oil and gas drilling assemblies.

如何选型 HOW TO CHOOSE

应定义两端连接、台肩型式、外径、通径、总长和材料；每一件定制转换接头或替换件均应采用受控图纸。

Define both connection ends, shoulder form, OD, bore, overall length and material. Use a controlled drawing for every custom cross-over or replacement component.

使用边界 OPERATING BOUNDARY

NC、IF、REG或FH等螺纹标识不能完整定义可制造零件；量规检验、台肩和尺寸要求仍须确认。

A thread label such as NC, IF, REG or FH does not fully define a manufacturable part. Gauging, shoulder and dimensional requirements still need confirmation.

钻杆接头、转换接头与接箍

TOOL JOINTS, SUBS & ADAPTERS

机型对比 / MODEL COMPARISON

57-168 mm配件外径

产品 PRODUCT	规格/外径 SIZE / OD	材料 MATERIAL	长度 LENGTH	连接型式 CONNECTION	控制依据 CONTROL
Tool joint	**For 2-7 5/8 in pipe**	**Per source specification**	**Per pipe design**	**Per drill pipe**	**Fine-die forged blank**
Male sub	**57-168 mm**	**35CrMo / 40Cr / 4137H**	**N 235 / M 195 mm**	**NC / IF / REG / FH**	**Approved drawing**
Female sub	**57-168 mm**	**35CrMo / 40Cr / 4137H**	**N 235 / M 195 mm**	**NC / IF / REG / FH**	**Approved drawing**
Thread adapter	**57-168 mm**	**35CrMo / 40Cr / 4137H**	**N 235 / M 195 mm**	**NC / IF / REG / FH**	**Approved drawing**

完整技术参数请参阅对应型号的技术参数表。

交付前检验

INSPECTION BEFORE DELIVERY

最终检验涵盖尺寸核查、力学性能试验，以及适用的无损检测。

Final inspection combines dimensional verification, mechanical-property testing and applicable non-destructive examination before release.

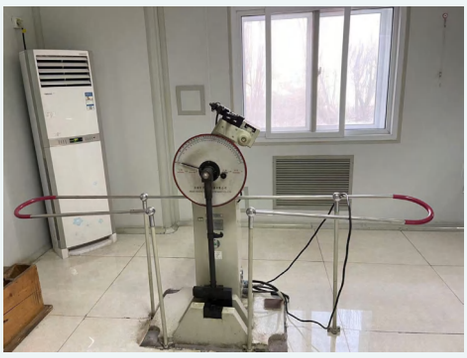


01 尺寸核查

DIMENSIONAL CHECK

依据获批图纸，用经校准的量具核对外径、连接几何形状及相关尺寸。

OD, connection geometry and relevant dimensions are checked against the approved drawing with calibrated instruments.



02 冲击韧性

IMPACT TOUGHNESS

在规定试验温度下，对代表性试样进行夏比冲击试验，核查吸收能量。

Charpy impact testing verifies absorbed energy on representative samples at the specified test temperature.



03 拉伸与硬度

TENSILE & HARDNESS

对适用生产批次的代表性试样，核查拉伸性能和硬度。

Tensile properties and hardness are verified on representative samples from the applicable production batch.



04 磁粉检测与放行

MPI & FINAL RELEASE

对适用的铁磁性零件检测表面及近表面不连续性，再进行最终放行。

Applicable ferromagnetic parts are examined for surface and near-surface discontinuities before final release.

按产品索取完整技术参数

THE CATALOGUE HELPS YOU SELECT

客户确认产品后，可单独提供对应型号的完整技术参数表。

P01	API摩擦焊接钻杆 **API FRICTION-WELDED DRILL PIPE**	TDS + 图纸
P02	潜孔锤水井钻杆 **DTH WATER-WELL DRILL PIPE**	TDS + 图纸
P03	水平定向钻钻杆 **HDD DRILL PIPE**	TDS + 图纸
P05	反循环双壁钻杆 **RC / DOUBLE-WALL DRILL PIPE**	TDS + 图纸
P06	钻铤与加重钻杆 **DRILL COLLARS & HEAVY-WEIGHT DRILL PIPE**	TDS + 图纸
P07	指定钻机接口钻杆 **DRILL PIPE FOR SPECIFIC RIG MODELS**	TDS + 图纸
P08	钻杆接头、转换接头与接箍 **TOOL JOINTS, SUBS & ADAPTERS**	TDS + 图纸
P04	螺纹连接钻杆 **THREAD-CONNECTED DRILL PIPE**	TDS + 图纸



TONGSHUN
通顺 DRILLING EQUIPMENT

钻井设备与钻杆系统

DRILLING EQUIPMENT & DRILL PIPE SOLUTIONS

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