LEADING HYDRAULIC MANUFACTURER
IN CHINA

SINCE1998

HCIC

Innovative Hydraulic Solution Provider

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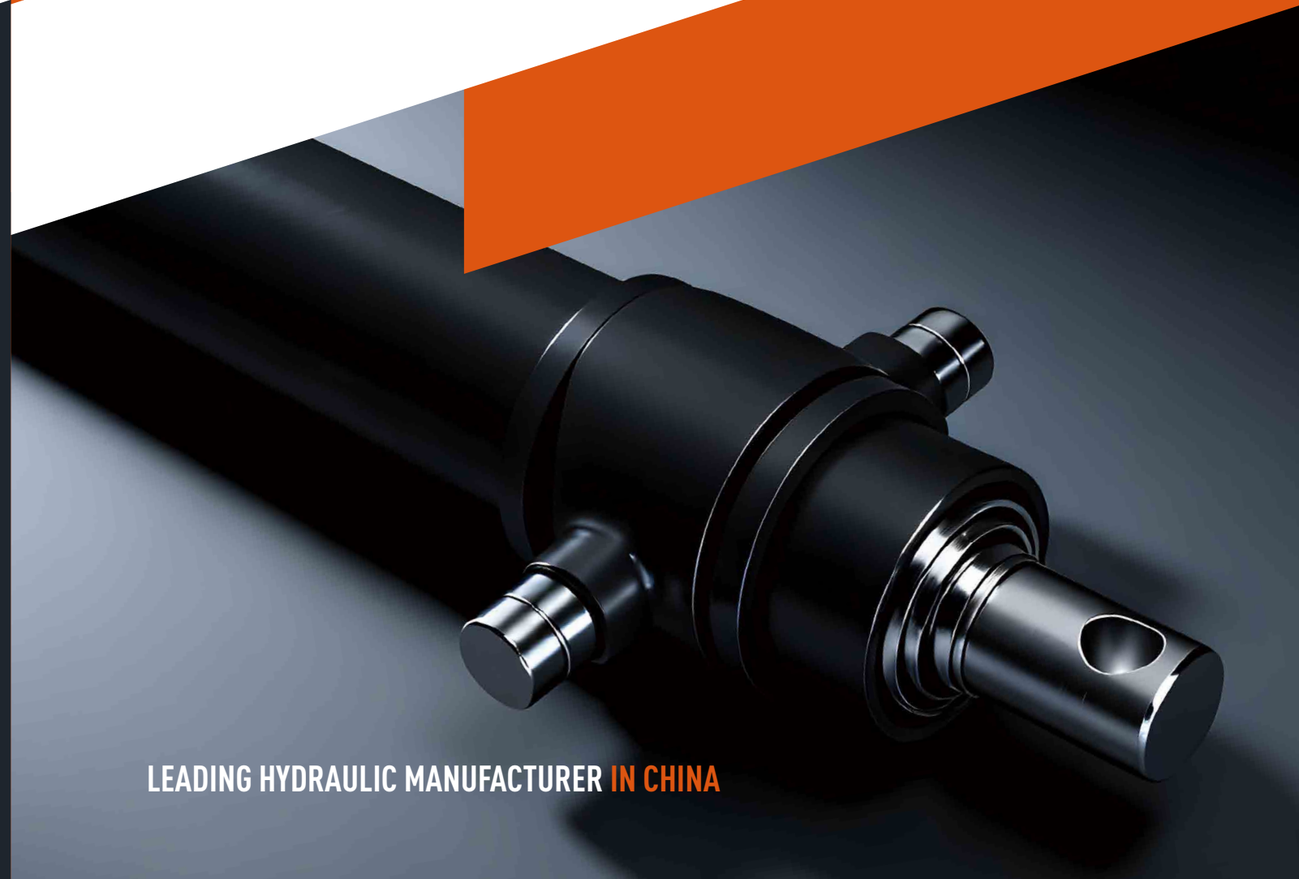


LEADING HYDRAULIC MANUFACTURER IN CHINA

HCIC HYDRAULICS

PROFESSIONAL HYDRAULIC AND MACHINERY MANUFACTURER SINCE 1998

INNOVATIVE HYDRAULIC SOLUTION PROVIDER

LEADING MANUFACTURER OF HYDRAULIC ENGINEERING IN CHINA

Jinan Huachen Industrial Co., Ltd. was founded in 1998. We specialize in the R&D, design, and production of hydraulic products—with a focus on hydraulic cylinders and power units—serving industries such as automobile manufacturing and modification, construction machinery, highway and bridge construction, and petroleum and natural gas extraction. Our customer base now spans more than 50 countries and regions across the globe.

Adhering to the essence of craftsmanship and upholding the mission of "Empowering the Future with Wisdom", HCIC strives to pioneer advanced hydraulic solutions that drive industrial progress worldwide.

NUMBERS OF HCIC

COMMITTED TO BECOMING THE WORLD'S LEADING SUPPLIER OF HYDRAULIC COMPONENTS FOR GLOBAL INDUSTRIES

1998 *Founded*

54+ *Million $ Sales*

3 *Factories*

25+ *Engineers*

50 *Exported Countries*

300+ *Staff*

QUALITY CONTROL CAPABILITY

QUALITY CONTROL FACILITIES
WELDING FLAW DETECTION
COATING THICKNESS DETECTION
OIL CLEANLINESS MONITORING
SALT SPRAY TEST

OVERVIEW OF PRODUCTION FACILITIES

CNC Boring Lathe
CNC machining center
Robotic arm auto feeding system
Laser welding machine
Ultrasonic cleaning line
Steam cleaning machine
Hydraulic assembly machine
Hydraulic pressure testing machine
Automatic painting line
...

PLAN AND DESIGN CAPACITY OF R&D

Experienced Engineers: 10+ with In-depth knowledge of HPU and cylinder tech.
Innovation Focus: Drive improvements in efficiency and durability.
Rigorous Testing: Ensure high - quality products.
Custom Solutions: HCIC HPUs and cylinders to client needs.
Product Refinement: Continuously enhance based on feedback.
Collaborative Approach: Partner for industry advancement.

CETIFICATIONS OF ISO 9001

To enhance product quality across all manufacturing processes, we have studied industry standards and obtained ISO 9001 certification—enabling rigorous quality control, improved supply chain transparency, and employee training in lean manufacturing. We have also integrated advanced analytics for real-time defect detection and a stakeholder feedback loop, aligning with customer expectations and global regulatory compliance.

ADVANCED MANUFACTURING

Raw Material Control and Processing
Surface Treatment Processing
Advanced Welding Equipment
Ultrasonic Cleaning Process
Hydrualic Assembling Workbench
High End Seals

VISION MISSION AND APPROACH

AT HCIC, WE HOLD QUALITY & TRUST AS OUR HIGHEST ROLE GUILDING OUR SERVICE TO THE GLOBAL MARKET.

Vision

Advancing Engineering and Technology with Value-Driven Solutions
HCIC aspires to offer comprehensive solutions for its customers, addressing a wide range of challenges in engineering, information technology, and manufacturing. At the core of our approach is a commitment to adding value at every stage of problem - solving.

Mission

We aim to give professional manufacturing services to customers around the world. We use teams made up of people from different fields, and these teams work together with our customers, suppliers, and outside service providers.

Approach

HCIC holds the view that teamwork is crucial for every project and is a vital factor in achieving success. This collaborative way of working promotes efficient communication among stakeholders at every level. As a result, teams can pool their individual strengths and enhance their skills, enabling them to not only meet but also surpass the expectations of clients.

We are proud of our practical approach to solving problems. We offer unwavering support for our products, going beyond what is typically provided by industry warranties. We also expect our suppliers to show the same level of dedication so that we can offer the best solutions available in the market.

HCIC ESG COMMITMENT

We demonstrate our commitment to sustainable and ethical operations through concrete actions. Our environmental strategy includes adopting QPQ carbonitriding over chrome plating, utilizing biodegradable packaging and eco-friendly paints, and managing waste responsibly. Furthermore, we protect employee health with measures like welding fume filtration and equipment noise reduction enclosures. Beyond our walls, we have supported social welfare for over 15 years through initiatives ranging from donating supplies to schools in remote mountainous regions to funding nursing homes.

01

WASTE HANDLING & RECYCLING

HYDRAULIC POWER FOR A GREEN FUTURE

As engineering technology advances, hydraulic cylinders have become core components in the waste treatment and resource recycling industry. HCIC offers a full range of high-quality hydraulic cylinders tailored to front-loading, side-loading, and rear-loading waste equipment, ensuring efficient waste collection, sorting, and recycling.

We maintain ongoing partnerships with world-class brands to optimize solutions via cutting-edge technology. Going forward, HCIC will leverage innovative hydraulic technology to boost resource recycling efficiency and contribute to global environmental protection.

DOUBLE ACTING TELESCOPIC HYDRAULIC CYLINDER

CORE FEATURES OF THE PRODUCT

Structural design adaptability

● The double-acting multi-stage cylinder adopts a self-designed seal structure, which increases the service life of the product by 50%; The oil port is integrated into the piston rod head (the end of the final piston rod), which is suitable for the oil circuit layout of core actions such as lifting and compression of garbage trucks, reducing pipeline redundancy and improving space utilization.

● The multi-stage cylinder barrel nesting design can achieve long stroke output (meet the requirements of garbage hopper lifting height and compression push plate stroke), and the structure is compact when retracted, saving installation space.

Dual chamber protection system

● The rodless cavity and the rod cavity are equipped with relief valves separately to form a targeted pressure protection mechanism:

● The rodless cavity relief valve limits the maximum pressure under lifting/outgoing conditions, protects the piston seal (to prevent extrusion and permanent deformation) and the cylinder barrel connection structure (to avoid fracture and loosening);

● There is a rod cavity relief valve to limit the maximum pressure under retraction conditions, protect the guide sleeve seal (to prevent crushing and wear) and the piston rod (to avoid bending and overloading).

● The relief valve responds quickly and absorbs pressure fluctuations (e.g., pressure peaks during vehicle bumps, sudden jamming lag), reducing seal fatigue damage and structural shock.

Aptability to working conditions

● For complex working conditions such as heavy load (overloaded garbage), biased load, and mechanical jamming of garbage trucks, the stability of the hydraulic cylinder under extreme conditions is ensured through pressure threshold control (relief valve sets pressure-matching seals and structural strength).

● The dual-action design supports two-way power output, meeting the needs of reciprocating actions such as lifting/lowering, extending out/retracting, and adapting to the continuous operation scenario of garbage trucks.

Timized durability

● e sealing system uses high-pressure, wear-resistant materials (such as combination seals, guide rings) and pressure protection of relief valves to extend the service life of the seals.

● e piston rod and cylinder barrel are made of high-strength alloy materials, which are surface hardened to resist the risk of bending and scratching, and are suitable for the harsh working environment of garbage trucks.

KEY TECHNICAL PARAMETERS

Parameter categories	Specific parameters	remark
Basic performance	Rated working pressure: 16-25 MPa	Designed according to the lifting / compressing load of the garbage truck
	Maximum stroke: 2000-11000 mm (multi-stage telescopic superposition).	Adapt to the operating range of different specifications of garbage trucks
	Maximum thrust (no rod cavity): 50-800 kN	It depends on the cylinder diameter and working pressure
	Maximum pulling force (with rod cavity): 30-500 kN	It depends on the diameter of the piston rod and the working pressure
Structural parameters	Barrel Stage: 2-6 Stages	The more stages, the longer the stroke and the shorter the retraction length
	Piston rod diameter: 50-206.3 mm (final stage)	It needs to match the tensile force requirements and flexural strength
	Oil port specification: SAE-#6/#8/#12/#16 (designed according to flow requirements).	The oil port is located at the end of the final piston rod for easy pipeline connection
Relief valve parameters	Rod cavity relief valve opening pressure: 1.2-1.5 times the rated working pressure	Protect the piston seal (pressure limit) and cylinder barrel connection structure
	Rod cavity relief valve opening pressure: 1.1-1.3 times rated working pressure (retracted condition)	Protective guide sleeve seals and piston rods (yield strength)
	Relief valve response time: ≤50 ms	Fast unloading to suppress pressure spikes
Environmental adaptability	Operating temperature: -45°C～80°C	Adapt to the temperature fluctuations of garbage truck outdoor operation
	Degree of protection: IP65	Resist dust and water spraying, and adapt to the oil and dust environment of garbage disposal scenarios

REGULAR MODELS

Model	Description	Application
H-001-7041	3 stages 181.69" stroke	H Pack/Eject CYL 28YD FL / 33YD SL
H-001-6876	4 stages 133.5" stroke	H 5000 25YD Ejector Cylinder
L-HYC01396	3 stages 167.81" stroke	L 40 Yd Nitriding Packer/Ejector Cylinder
L-HYC01455-01	3 stages 115.59" stoke	L Pushout CYL, 25YD 2RIII & ALPHA
M-1489241	3 stages 182.56" stroke	M 39/43 Yard Long Body Ejector Cylinder
M-1401720	4 stages 138" stroke	M 28 Yd Hydraulic Ejector Cylinder

TARP SYSTEM
HYDRAULIC CYLINDER

We have carefully designed hydraulic cylinders for tarpaulin systems for you with excellent performance and reliable quality.

PRODUCT FEATURES

The material is excellent

Cylinder barrel: made of Q355JR material, which has good comprehensive mechanical properties, welding performance and cold working performance. In the complex working environment of the tarpaulin system, it can withstand high pressure, ensure the strength and stability of the cylinder barrel, effectively prevent deformation and rupture, and extend the service life of the hydraulic cylinder.

Piston rod: AISI - 1045 material, a medium carbon steel that has been properly heat-treated for high strength and toughness. During frequent telescopic and contracting actions, it can withstand large tensile and compressive forces, ensuring that the piston rod is not easy to bend or break, and providing a solid guarantee for the stable operation of the tarpaulin system.

Guide sleeve and piston: made of ductile iron, the ductile iron has excellent wear resistance, shock absorption and good casting performance. The guide sleeve can accurately guide the movement of the piston rod, reduce friction and wear, and ensure the accuracy of movement. The piston ensures the tightness of the hydraulic cylinder inside, prevents hydraulic oil leakage, and improves work efficiency.

Excellent Surface Finish

The piston rod surface is treated with the QPQ treatment process, which is a surface treatment technology that combines quenching, tempering, and salt bath nitriding. After QPQ treatment, a composite permeable layer with high hardness, good wear resistance, and strong corrosion resistance is formed on the surface of the piston rod. It not only significantly improves the wear resistance of the piston rod, allowing it to work stably for a long time in harsh environments, but also enhances its corrosion resistance, effectively resists the erosion of corrosive media such as moisture and acid and alkali, and greatly extends the service life of the piston rod.

Reliable performance

This hydraulic cylinder is designed with the working characteristics of the tarpaulin system fully considered, and has good sealing performance, which can effectively prevent hydraulic oil leakage and ensure the stable pressure of the system. At the same time, its structural design is reasonable, smooth operation, can withstand large workloads, provide strong and stable power support for unfolding, stowing and other operations of tarpaulin, and ensure the efficient and reliable operation of the tarpaulin system.

PRODUCT PARAMETERS

Model	Description	Application
HR4752	2" bore, 1.25" rod, 36" stroke	Gantry Raise Cylinder
HR4719	1.5" bore, 1" rod, 36" stroke	Arm Extension Cylinder
HR4520	2.5" bore, 1.25" rod, 16" stroke	Rack Gear Pivot Cylinder

ROLL OFF TRUCKS
HYDRAULIC CYLINDER

PRODUCT PARAMETERS

Application	Description
Lift cylinder	6"/7" bore, 3"-4.5" rod, 70"-120" stroke, or telescopic cylinder
Winch cylinder	6"/7" bore, 3"-4.5" rod, 70"-120" stroke

FRONT LOADER
GARBAGE TRUCK
HYDRAULIC CYLINDER

PRODUCT PARAMETERS

Model	Description	Application
H-001-7057	4.5" bore 2.5" rod 41.5" stroke	H Half Pack Front Loader Arm Cylinder (CUSHIONED)
M-1465263	4.5" bore 2.5" rod 46" stroke	M Front End Loader 2 Sphere Arm Cylinder

SIDE LOADER GARBAGE TRUCK HYDRAULIC CYLINDER

PRODUCT PARAMETERS

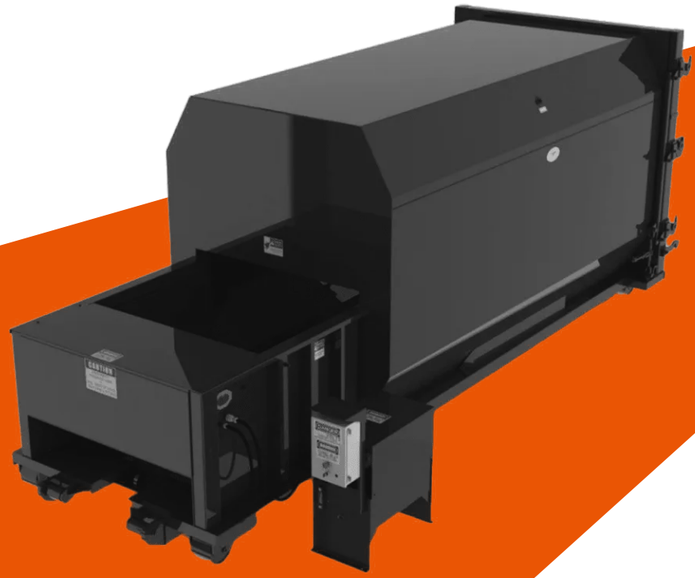
Model	Description	Application
H-001-6974	3" bore 1.378" rod 8" stroke	H Rapid Rail Grabber Cylinder
L-HYC00507	4" bore 2.5" rod 40" stroke	L 22 YD, Automizer, Right Hand ASL

REAR LOADER
GARBAGE TRUCK HYDRAULIC CYLINDER

PRODUCT PARAMETERS

Model	Description	Application
L-HYC00905	5.5" bore, 2.5" rod, 37" stroke	L Slide Cylinder
M-1419165	5" bore, 4" rod, 32.5" stroke	M Slide Cylinder
L-HYC00823	4.5" bore, 2.5" rod, 22.75" stroke	L Sweep/Packer Cylinder
M-1419919	5" bore, 4" rod, 25.62" stroke	M Sweep/Packer Cylinder
6617	4" bore, 2.5" rod, 18.37" stroke	Packer Cylinder
6618	4" bore, 2.5" rod, 18.37" stroke	Packer Cylinder

GARBAGE COMPACTOR
HYDRAULIC UNIT



To meet the demand for centralized disposal of urban and rural domestic waste, we have launched three models of waste compressor stations with compaction boxes: 5HP, 10HP, and 15HP. Featuring tiered power configurations and efficient compression structures, these models are tailored to different scales of waste processing scenarios, achieving integrated volume reduction, sealing, and convenient transportation.

CORE PRODUCT FEATURES

Tiered Power Matching, Precisely Suited to Scenarios

Power systems of 5HP, 10HP, and 15HP are configured according to processing volume gradients. The 5HP model is suitable for small-batch waste disposal in communities and small villages/towns (daily capacity approx. 5-10 tons); the 10HP model fits townships and industrial parks (daily capacity 10-20 tons); and the 15HP model meets centralized processing needs in county towns and large communities (daily capacity 20-35 tons), avoiding power waste or insufficiency.

The power system utilizes high-efficiency motors with low energy consumption and high torque characteristics, capable of stably driving the compression mechanism. It prevents jamming even under complex working conditions involving varied waste types (e.g., mixed domestic waste, food waste).

Optimized Compaction Box Structure, High Volume Reduction Efficiency

The compaction box is constructed from high-strength steel plates via welding, offering impact resistance and wear resistance.

Safety and Convenience Design, User-Friendly Operation

Equipped with overload protection and emergency stop buttons. The system automatically shuts down when the compression mechanism encounters hard objects (e.g., metal, bricks/stone) or excessive load, protecting both equipment and operator safety. The compaction box features a sealed cover and anti-leakage devices to prevent drips of waste leachate, meeting environmental requirements.

PRODUCT PARAMETERS

Parameter Type	Power Configuration	Compression Performance
5HP	5HP High-Efficiency Motor, Voltage 416V/230V	Compression Ratio 1:3, Max Compression Force 15-20kN, Cycle Time 30-40s/cycle
10HP	10HP High-Efficiency Motor, Voltage 416V/230V	Compression Ratio 1:4, Max Compression Force 20-30kN, Cycle Time 25-35s/cycle
15HP	15HP High-Efficiency Motor, Voltage 416V/230V	Compression Ratio 1:5, Max Compression Force 30-45kN, Cycle Time 20-30s/cycle

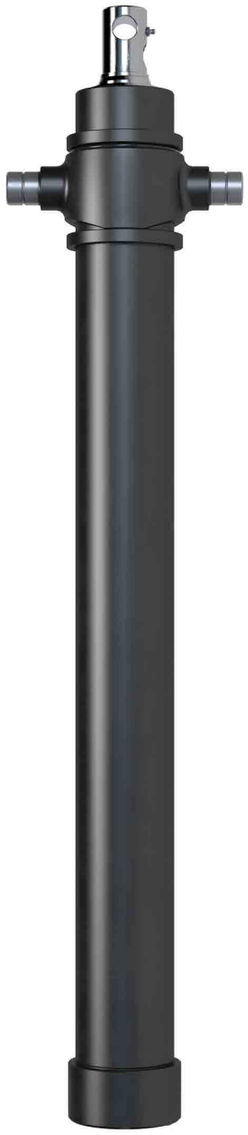
HYDRAULIC TIPPING SOLUTION

FULL-SYSTEM SUPPORT FOR EFFICIENT TRANSPORTATION

In cargo tipping scenarios, hydraulic systems are critical to equipment performance. HCIC, with years of technical expertise, provides end-to-end capabilities (design, production, solution delivery) for heavy-duty truck and small civilian trailer tipping. Customized solutions are available to meet diverse customer needs for load and vehicle specs.

HCIC will expand its trailer market presence, deepen customer collaboration, and drive industry tech upgrades to deliver premium hydraulic tipping solutions to more transportation scenarios.

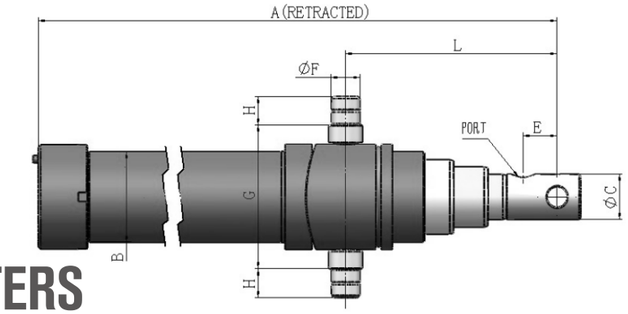
HTC - MODEL
HYDRAULIC CYLINDER



- Multi-stage design: longer stroke, smaller space
- Proprietary honing + hard-chromed rods: reduced wear, anti-corrosion
- Premium seals + multi-stage wipers: extreme temp tolerance & contamination protection
- Precision-engineered for performance & longevity

CORE FEATURES

Engineered for the demanding needs of the North American dump trailer market, the HTC series embodies a commitment to superior performance and longevity. Every cylinder is a product of precision engineering, advanced materials, and rigorous manufacturing standards.



PRODUCT PARAMETERS

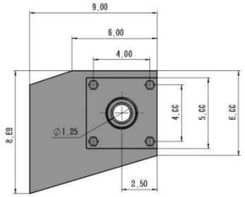
PART No.	STROKE	A	B	C	D	E	F	G	H	L	PORT	WEIGHT [Lbs]	VOLUME [Gal.]
7 TONS INVERSE													
HTC7T-60	60”	35.5”	3.75”	2”	1.063”	3.0”	1.25”	6.5”	1.25”	7”	SAE #8 (3/4-16 UNF)	50	1.2
HTC7T-78	78”	35.5”	3.75”	2”	1.063”	3.0”	1.25”	6.5”	1.25”	7”		68	1.6
HTC7T-90	90”	39.5”	3.75”	2”	1.063”	3.0”	1.25”	6.5”	1.25”	7”		75	1.8
HTC7T-108	108”	45”	3.75”	2”	1.063”	3.0”	1.25”	6.5”	1.25”	7”		101	2.2
12 TONS INVERSE													
HTC12T-78	78”	34.75”	4.4”	2”	1.063”	3.0”	1.5”	7.5”	1.5”	7”	SAE #8 (3/4-16 UNF)	106	2.5
HTC12T-90	90”	38.75”	4.4”	2”	1.063”	3.0”	1.5”	7.5”	1.5”	7”		107	2.8
HTC12T-108	108”	44.75”	4.4”	2”	1.063”	3.0”	1.5”	7.5”	1.5”	7”		132	3.4
HTC12T-120	120”	48.75”	4.4”	2”	1.063”	3.0”	1.5”	7.5”	1.5”	7”		143	3.8
HTC12T-144	144”	56.78”	4.4”	2”	1.063”	2.25”	1.5”	7.5”	1.5”	7”		166	4.6

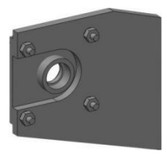
ACCESSORIES FOR TELESCOPIC CYLINDERS

MOUNTING BRACKETS

HTCS07-A

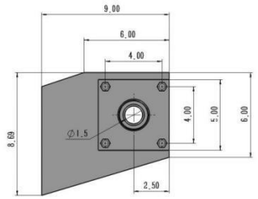
For 7 tons





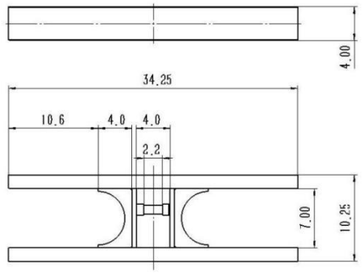
HTCS12-A

For 12 tons

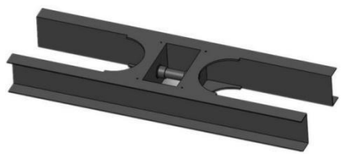


SUPPORT FRAM

For 7 and 12 tons



HTC SB07-A



SCISSOR HOIST FOR DUMP TRAILER

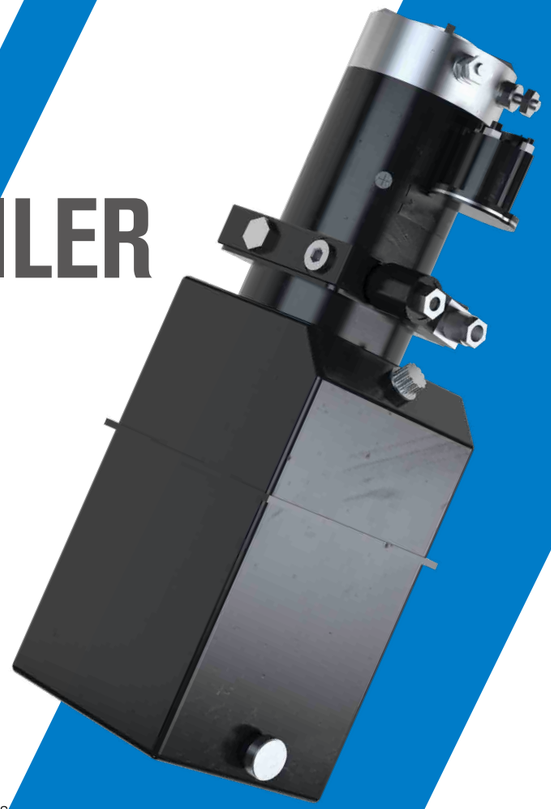
KEY DESIGN & TECHNICAL ADVANTAGES

- Engineered for reliable and safe lift performance.
- Kits include industry-leading pump with steel tank.
- Kits come complete with cylinder, hinges, frame & brackets,pump, hose, fittings,load control valve, prop kit (arm, cup and arm support) and battery cables.
- Patented valve lowers the dump box at a controlled speed, whether the box is empty or loaded in the event of a hose failure.

PRODUCT PARAMETERS

Model	Body Length	Bore	Stroke	Rod	Mounting Height	Capacity Range	Approx. Weight
HC-310	30.8"	3"	10"	2"	4"	2.8-5.5T	171 lbs
HC-416	40.4"	5"	16"	2"	4.97"	5-11.4T	229 lbs
HC-516	46.7"	5"	16"	2"	5.28"	5.8-12.8T	260 lbs
HC-520	53.2"	5"	20"	2"	5.5"	6.4-12.5T	284 lbs
HC-616	46.1"	6"	16"	2.5"	5.6"	8-15.4T	326 lbs
HC-625	61"	6"	25"	2.5"	5.35"	8.2-13.7T	641 lbs
HC-630	69"	6"	30"	2.5"	5.56"	8.3-14.2T	659 lbs

HPU FOR DUMP TRAILER



CORE FEATURES

- Purpose-built for hydraulic dump trailers and dump beds
- 12VDC power-up / gravity-down system for use with telescopic cylinders and 12VDC power-up / power-down system for use with hoists, meeting the diverse needs of various dump trailer users.
- The versatile valve block configuration allows for the simultaneous operation of either the hoist and jack or the telescopic cylinder and jack.
- 3200 PSI max relief setting on A port
- 2.0 GPM internal flow control valve (pressure compensated)
- Horizontal mount with SAE #6 port
- Compact design fits tight installs
- Includes 15-foot handheld remote pendant
- Multiple poly reservoir sizes available (4 qt, 6 qt, 8 qt, and more)
- Compatible with both wireless and wired remote controls.

PRODUCT PARAMETERS

Model	Type	GPM	PORTSIZE	TANK SIZE	PSI	VALVING
HCPGS	Single Acting	1.2	SAE #6	4Gal	3000	Solenoid operated; 2-way,2 pos.
HCPGD	Double Acting	1.2	SAE #6	6Gal	3000	Solenoid operated; 4-way,3 pos.
HCPGSD	Single and Double Acting	1.2	SAE #6	6Gal	3000	Solenoid operated; 4-way,3 pos; 2-way, 2 pos; 2-way, 2pos.
HCPGDD	2 Double Acting	1.2	SAE #6	8Gal	3000	Solenoid operated; 4-way,3 pos; 4-way,3 pos.

HYDRAULIC JACK FOR DUMP TRAILER

Lift your heavy duty trailer at the push of a button. If you need to build a trailer or replace existing jacks, these jacks are perfect for most applications.

Whether you are using these jacks for livestock, horse, car, cargo, dump or even flatbed gooseneck trailers, adding these hydraulic jacks is aneasy set up and easy to use.

- Double-acting pump: 3200psi relief setting (extend port); 1500psi relief setting (retract port)
- Hydraulic design enables fast manual free operation
- 15,000lb support / 12,000lb lift capacity
- 10"×10" pivoting foot pad for stable use on uneven surfaces
- Durable exterior-grade black finish
- Compatible with hydraulic pumps/HPUs (max 3200psi extension, 1500psi retraction pressure)
- Hydraulic pump/HPU and control switch/remote pendant available as options

PRODUCT PARAMETERS

Model	Type	Bore	Rod	Stroke	Length	Port	Load Cpacity	Working Pressure
HCHJ-12KS	Single Action	2"	1"	20"	30"	SAE6	12T	3000psi
HCHJ-12KD	Double Action	2"	1"	20"	30"	SAE6	12T	3000psi
HCHJ-15K	Double Action	2.36"	1.38"	24.2"	24.8"	SAE6	15T	3000psi
HCHJ-12KWP	Double Action With Power Unit	2"	1"	20"	30"	SAE6	12T	3000psi

TOOL BOX FOR TRAILER

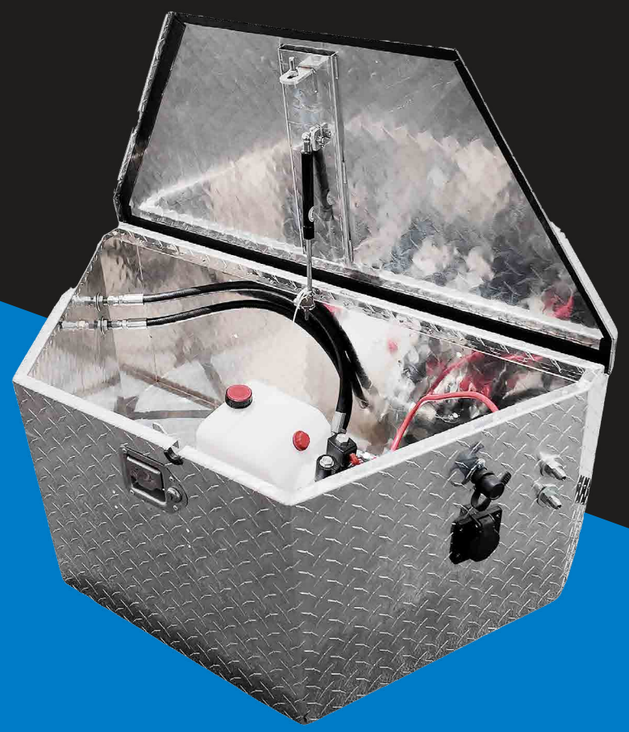
CORE FEATURES

- Aluminum and steel toolboxes are designed to meet the needs of different working environments.
- Equipped with a comprehensive set of trailer tools, including power unit, charger, battery tray, hoses,cut off switch,wireless remote control.
- Features a trapezoidal structure for easy installation on A-frame trailers.
- The toolbox lid is fitted with gas springs, allowing it to open at an angle that ensures convenient operation.
- Customization services are available for shape, material, and size.

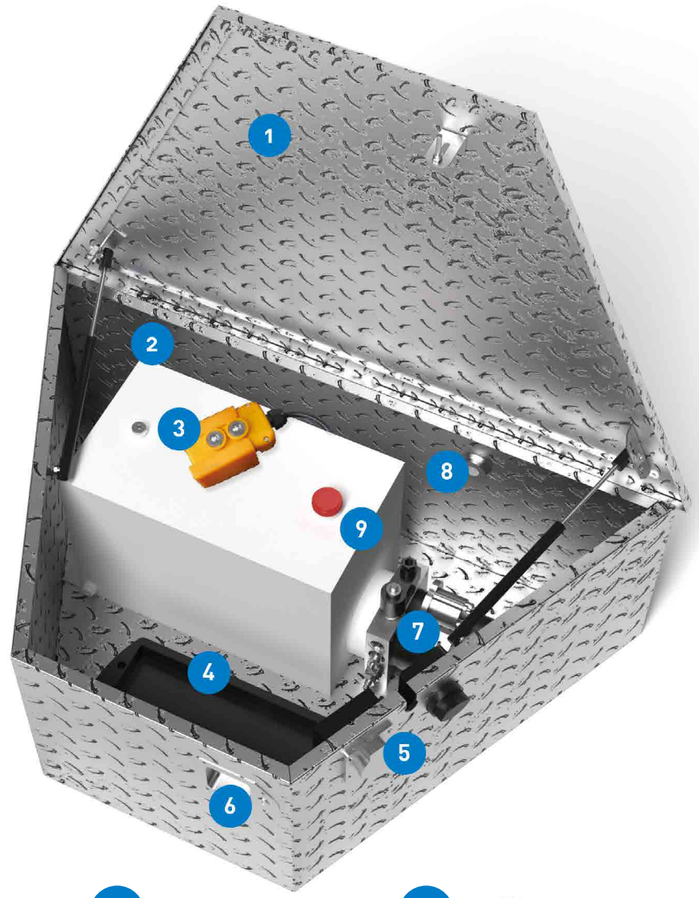
PRODUCT PARAMETERS

Model	Material	Dimension (inch)
HCATB	Aluminum	36.42 × 18.90 × 16.54
HCMTB-1	Metal	36.42 × 18.90 × 16.54
HCMTB-2	Metal	37.40 × 22.44 × 13.19

High quality components
Fully customizable
Competitive warranty
Reliable performance
7*24 Online technical support
Integrated solutions
One-stop solution



TOOL BOX ACCESSORIZES



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TOOLBOX
Easily mounted on trailer A-frame
Toolbox can be purchased separately
Different models available: ALUMINUM & STEEL

2

POWER UNIT
HCPGS,HCPGD,
HCPGSD,HCPGDD

3

POWER UNIT REMOTE CONTROL
Including 20' of 16/3 cables

4

BATTERY TRAY
Including battery tray and no more downtime

5

BATTERY CHARGER
1.5AMP, 4.5AMP, 10AMP

6

MASTER SWITCH

7

RED BATTERY CABLE,
18"LONG
BLACK BATTERY CABLE,
24"LONG
RED BATTERY CABLE,
24"LONG

8

Y-SPLICE WIRELESS REMOTE CONTROL

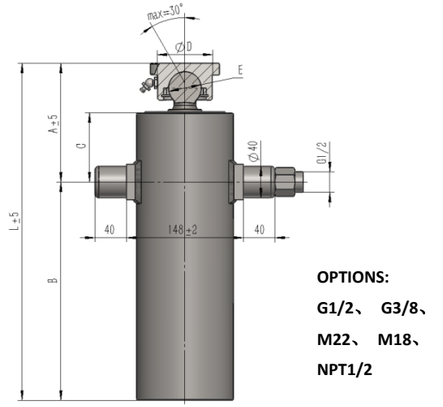
9

HYDRAULIC HOSE 3/8'

UNDER BODY TELESCOPIC HYDRAULIC CYLINDER

CORE FEATURES

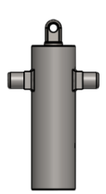
- HCIC designs, manufactures, and sells full light duty line of underbody cylinders, including all necessary brackets and supports, side-dump, or three-way dump trailers. Available in Brackets and supports.
- The seals used are highly resistant to permanent deformation and wear, and operate within a temperature range of -40°C to +100°C.
- Hard chroming stages with longer using life.
- Maximum working pressure – 200bar
- Min 2 stages and max 6 stages with max 2000mm stroke.
- Lifting force up to 13 Tons
- Available in ball and eye version



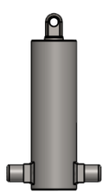
OPTIONS:

G1/2、 G3/8、
M22、 M18、
NPT1/2

OPTION with ROD EYE - PIN

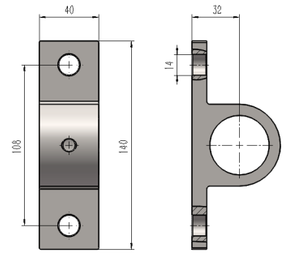


OPTION with ROD EYE - LOWER PIN

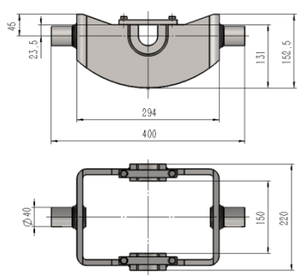


ACCESSORIES

CYLINDER SUPPORT



CRADLE

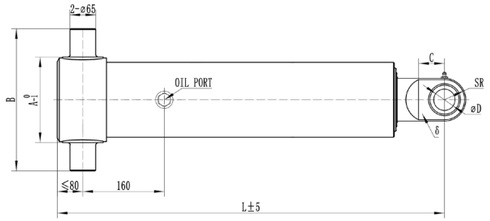


MODEL	EXTEN-SION. N.	POWER STROKE (mm)	MASS (kg)	WORKING VOLUME (L)	MAX. WORKING PRESSURE (bar)	TIPPING CAPACITY (ton)	L	A	B	C	D	E
							(mm)					
6TG-E130x1947	6	1947	53	14	180	11-18	543	216	327	132	92	58
4TG-E130x1307	4	1307	58	13.7	180	15-25	545	216	329	132	92	58
5TG-E130x1155	5	1155	45	9.3	180	13-22	449	216	233	132	92	58
5TG-E105x1875	5	1872	38	10.1	200	6-12	557	159	398	100	74	43
4TG-E105x1501	4	1492	41	9.3	200	8-15	569	175	394	100	92	58
5TG-E105x1200	5	1200	27	6.4	200	6-12	423	159	264	100	74	43
3TG-E90x1199	3	1199	35	6.2	220	5-14	598	160	438	108	92	58
4TG-E90X1140	4	1140	25	4.9	220	5-11	482	160	322	100	74	43
3TG-E90x848	3	848	26	4.3	220	5-14	480	160	320	100	74	43
5TG-E90x1256	5	1256	25	4.7	220	4-8	449	160	289	100	74	43
4TG-E90X1050	4	1050	24	4.5	220	5-11	460	160	300	100	74	43
4TG-E90X676	4	676	19	2.9	220	5-11	367	160	207	100	74	43
3TG-E75x1055	3	1055	22	3	220	4-9	523	150	373	95	74	43

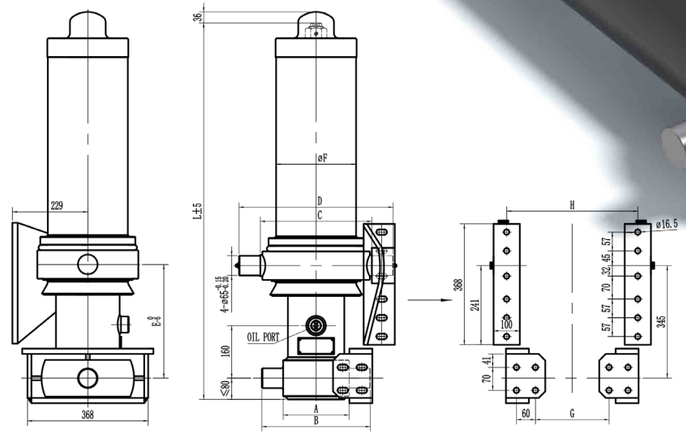
DUMP TRUCK FRONT TIPPING CYLINDER - FE \ FC

At HCIC we believe in delivering a solution that can rapidly and successfully meet your requirements, beyond simply delivering a cylinder.

- Solutions specific to market segments
- Optimal balanced ratio between weight, performance and cost for your product
- Widest range of cylinder from 5 to 100 tons with bespoke solutions
- Very high tipping speed with our heavy duty (HD) Series wide overlaps, dual rod seals
- Easy to service
- Working pressures up to 250 Bar
- High quality, wear-resistant guide rings and hydraulic sealing properties
- Maintenance-free high performance spherical plain bearings
- Extensive field testing precedes all new product releases to ensure we meet our customers' expectations
- Complete system is re-engineered from the ground up
- Best performance with the installation of a complete end to end solution



Model	Tipping capacity (t)	Pressure (MPa)	Bore Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	δ (mm)	L(mm) Closed length
FE-3TG-E149*3880	28.3	16	158/136/115	201	331	135	50	42	1697
FE-3TG-E149*4090	28.3	16	158/136/115	201	331	135	50	42	1732
FE-4TG-E149*4280	28.3	16	158/136/115/95	245	385	70	50	50	1345
FE-4TG-E149*4650	28.3	16	158/136/115/95	201	331	100	50	42	1546
FE-4TG-E149*4940	28.3	16	158/136/115/95	201	331	100	50	42	1499
FE-4TG-E169*4280	49	16	169/158/136/115	245	385	70	50	50	1345
FE-4TG-E169*4620	49	16	169/158/136/115	245	385	70	50	50	1479
FE-4TG-E169*5180	49	16	169/158/136/115	245	385	70	50	50	1604
FE-5TG-E169*5780	49	16	169/158/136/115/95	245	385	70	50	50	1559
FE-5TG-E169*6180	49	16	169/158/136/115/95	245	385	70	50	50	1505
FE-6TG-E169*6060	49	16	169/158/136/115/95/70	245	385	70	50	50	1240
FE-6TG-E169*6060	49	16	169/158/136/115/95/70	245	385	70	50	50	1240
FE-5TG-E191*6180	64	16	191/169/158/136/115	270	400	100	50	42	1497
FE-5TG-E191*6350	64	16	191/169/158/136/115	270	400	100	50	42	1673

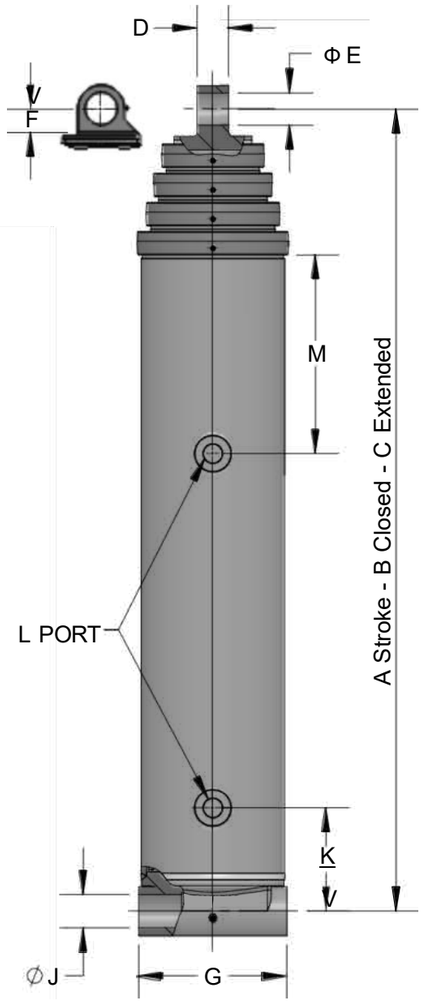


Model	Tipping capacity (t)	Pressure (MPa)	A (mm)	B (mm)	C (mm)	D (mm)	E(mm) Closed length	F (mm)	L (mm)	G (mm)	H (mm)
4TG-E149*4280HCIC	28.3	16	245	385	360	490	325	272	1450	195±10	410±10
5TG-E149*4280HCIC	28.3	16	245	385	360	490	325	272	1195	195±10	410±10
4TG-F169*4280HCIC	49	20	245	385	360	490	325	272	1460	195±10	410±10
4TG-F169*4650HCIC	49	20	245	385	360	490	325	272	1555	195±10	410±10
4TG-F169*5000HCIC	49	20	245	385	360	490	325	272	1645	195±10	410±10
4TG-F169*5390HCIC	49	20	245	385	360	490	325	272	1740	195±10	410±10
4TG-F169*5700HCIC	49	20	245	385	360	490	325	272	1820	195±10	410±10
5TG-F169*4280HCIC	49	20	245	385	360	490	325	272	1195	195±10	410±10
5TG-F169*5000HCIC	49	20	245	385	360	490	325	272	1355	195±10	410±10
5TG-F169*5390HCIC	49	20	245	385	360	490	325	272	1455	195±10	410±10
5TG-F169*5700HCIC	49	20	245	385	360	490	325	272	1500	195±10	410±10
4TG-F172*4650HCIC	54.8	20	245	385	360	490	325	272	1560	195±10	410±10
4TG-F172*5000HCIC	54.8	20	245	385	360	490	325	272	1645	195±10	410±10
4TG-F172*5390HCIC	54.8	20	245	385	360	490	325	272	1740	195±10	410±10
4TG-F172*5700HCIC	54.8	20	245	385	360	490	325	272	1820	195±10	410±10
4TG-F172*6000HCIC	54.8	20	245	385	360	490	325	272	1890	195±10	410±10
4TG-F172*6180HCIC	54.8	20	245	385	360	490	325	272	1935	195±10	410±10
5TG-F172*4280HCIC	54.8	20	245	385	360	490	325	272	1195	195±10	410±10
5TG-F172*5000HCIC	54.8	20	245	385	360	490	325	272	1355	195±10	410±10
4TG-F191*6000HCIC	64	20	270	410	360	490	325	272	1900	220±10	410±10
5TG-F191*6500HCIC	64	20	270	410	360	490	325	272	1630	220±10	410±10
4TG-F169*4280HV	49	20	245	385	340	470	325	244	1460	195±10	410±10
4TG-F169*4650HV	49	20	245	385	340	470	325	244	1555	195±10	410±10
4TG-F169*5390HV	49	20	245	385	340	470	325	244	1740	195±10	410±10
4TG-F191*5700HV	64	20	270	410	360	490	325	272	1825	220±10	410±10
4TG-F191*6000HV	64	20	270	410	360	490	325	272	1900	220±10	410±10
4TG-F191*6180HV	64	20	270	410	360	490	325	272	1945	220±10	410±10

PIN-PIN MOUNTING
HYDRAULIC CYLINDER

CORE FEATURES

- Self-bleeding design
- Pre-loaded v-packing with a self-adjusting wave spring energizer or an energized ‘Z ’ seal package as an option
- Threaded headnuts for added strength and field seal adjustment
- Longer bearing length for stability



4000 Series

MODEL NUMBER	A		B		C		D		E		F		G		J		K		L	M		GAL of OIL		WEIGHT
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	PORT	in	mm	FILL	EXT	lbs
53-4459-128	125.94	3199	54.50	1384	180.44	4583	1.50	38	1.78	45	2.00	51	7.00	178	2.06	52	26.50	673	SAE #16	N/A	N/A	2.0	7.1	227
53-4531-130	126.13	3204	54.56	1386	180.69	4590	2.00	51	1.78	45	1.88	48	7.00	178	2.06	52	33.50	851	1" NPTF	N/A	N/A	2.0	7.1	234
53-4592-72	71.94	1827	36.62	930	108.56	2757	1.50	38	2.06	52	2.00	51	7.00	178	2.06	52	19.50	495	3/4" NPTF	N/A	N/A	1.3	4.0	155
53-4592-84	84.19	2138	41.12	1044	125.31	3183	1.50	38	2.06	52	2.00	51	7.00	178	2.06	52	19.50	495	3/4" NPTF	N/A	N/A	1.4	4.7	171
53-4592-106	106.06	2694	48.00	1219	154.06	3913	1.50	38	2.06	52	2.00	51	7.00	178	2.06	52	19.50	495	3/4" NPTF	N/A	N/A	1.7	6.0	208
63-4402-84	84.38	2143	41.00	1041	125.38	3185	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	1.8	7.3	208
63-4402-104	103.75	2635	47.62	1210	151.37	3845	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	2.1	9.0	241
63-4402-108	108.38	2753	49.00	1245	157.38	3997	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	2.2	9.4	250
63-4402-120	120.38	3058	53.00	1346	173.38	4404	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	2.4	10.4	278
63-4402-126	126.38	3210	55.00	1397	181.38	4607	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	2.5	11.0	286
63-4402-132	132.38	3362	57.00	1448	189.38	4810	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	2.7	11.5	290
63-4402-140	140.62	3572	59.75	1518	200.37	5089	2.00	51	2.06	52	1.75	44	7.00	178	2.13	54	19.50	495	1" NPTF	N/A	N/A	2.8	12.2	307
64-4435-135	134.75	3423	47.13	1197	181.88	4620	2.69	68	1.56	40	1.63	41	8.00	203	1.88	48	N/A	N/A	1" NPTF	4.50	114	2.5	9.7	272
64-4435-156	155.75	3956	52.38	1330	208.13	5286	2.69	68	1.56	40	1.63	41	8.00	203	1.88	48	N/A	N/A	1" NPTF	4.50	114	2.8	11.2	302
64-4467-156	155.75	3956	52.63	1337	208.38	5293	1.75	44	2.03	52	1.88	48	7.25	184	2.06	52	6.38	162	1" NPTF	5.00	127	2.8	11.2	300
73-4500-110	108.94	2767	49.88	1267	158.81	4034	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	2.7	13.5	318
73-4500-118	117.19	2977	52.13	1324	169.31	4301	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	2.8	14.5	332
73-4500-127	126.19	3205	55.13	1400	181.31	4605	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.0	15.7	352
73-4500-142	141.19	3586	60.13	1527	201.31	5113	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.3	17.5	380
73-4500-151	150.19	3815	63.13	1603	213.31	5418	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.5	18.7	407
74-4401-120	119.94	3046	44.75	1137	164.69	4183	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	2.8	12.6	309
74-4401-135	134.69	3421	48.25	1226	182.94	4647	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.1	14.2	330
74-4401-140	139.69	3548	49.50	1257	189.19	4805	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.2	14.8	346
74-4401-156	154.56	3926	53.38	1356	207.94	5282	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.5	16.2	373
74-4401-161	159.56	4053	54.63	1387	214.19	5440	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.6	16.8	384
74-4401-167	166.06	4218	56.25	1429	222.31	5647	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	3.7	17.5	395
74-4401-180	179.06	4548	59.50	1511	238.56	6059	2.00	51	2.06	52	1.75	44	8.63	219	2.13	54	6.50	165	1" NPTF	12.00	305	4.0	18.9	415
84-4466-148	145.00	3683	51.50	1308	196.50	4991	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.50	165	1" NPTF	12.75	324	3.9	21.2	451
84-4466-156	153.00	3886	53.50	1359	206.50	5245	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.50	165	1" NPTF	12.75	324	4.1	22.4	474
84-4466-161	157.50	4001	54.88	1394	212.38	5394	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.50	165	1" NPTF	12.75	324	4.2	23.1	483
84-4466-170	167.00	4242	57.00	1448	224.00	5690	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.50	165	1" NPTF	12.75	324	4.4	24.5	504
84-4466-180	176.50	4483	59.50	1511	236.00	5994	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.50	165	1" NPTF	12.75	324	4.6	25.9	527
85-4402-170	168.63	4283	49.88	1267	218.50	5550	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	4.2	21.3	462
85-4402-190	188.63	4791	53.88	1368	242.50	6160	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	4.6	23.8	500
85-4402-200	198.62	5045	55.88	1419	254.50	6464	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	4.9	25.3	519
85-4402-220	218.63	5553	59.88	1521	278.50	7074	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	5.2	27.7	554
85-4402-235	234.25	5950	65.00	1651	299.25	7601	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	5.8	29.7	611
85-4402-250	249.25	6331	68.00	1727	317.25	8058	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	6.1	31.7	655
85-4453-265	263.63	6696	70.88	1800	334.50	8496	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	5.6	33.9	664
85-4466-265	264.25	6712	74.38	1889	338.63	8601	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	6.8	33.7	710
85-4466-280	279.25	7093	77.50	1969	356.75	9061	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	7.1	35.7	746
85-4466-285	284.25	7220	78.50	1994	362.75	9214	2.00	51	2.06	52	1.75	44	9.50	241	2.13	54	6.63	168	1" NPTF	12.75	324	7.2	36.4	758
95-4461-220	219.63	5578	60.88	1546	280.50	7125	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	13.50	343	1" NPTF	12.75	324	6.6	38.0	723
95-4461-235	232.75	5912	65.00	1651	297.75	7563	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	6.50	165	1" NPTF	12.75	324	7.2	40.1	783
95-4461-250	249.88	6347	72.63	1845	322.50	8192	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	6.50	165	1" NPTF	12.75	324	8.2	43.6	891
95-4461-265	264.88	6728	75.63	1921	340.50	8649	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	6.50	165	1" NPTF	12.75	324	8.6	46.3	934
95-4461-280	279.88	7109	78.63	1997	358.50	9106	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	6.50	165	1" NPTF	12.75	324	8.9	48.9	956
95-4461-300	299.88	7617	82.63	2099	382.50	9716	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	6.50	165	1" NPTF	12.75	324	9.5	52.4	1002
95-4509-340	338.94	8609	87.00	2210	425.94	10819	2.00	51	2.06	52	1.75	44	10.69	271	2.13	54	6.50	165	1" NPTF	N/A	N/A	8.9	59.3	1078

03

ENGINEERING MACHINERY

QUALITY HYDRAULICS FOR EQUIPMENT RELIABILITY

Engineering machinery operates in complex, high-intensity conditions, where hydraulic cylinder quality directly impacts service life and stability. HCIC adheres to strict quality standards across production, using advanced manufacturing, mature experience, and multi-dimensional testing to ensure cylinders withstand harsh conditions.

As a trusted partner to global engineering machinery brands, HCIC empowers equipment performance and supports industry high-quality development.

HEAVY DUTY HYDRAULIC OUTRIGGER

PARAMETERS

Parameters	Range
Bore diameter	50mm-450mm
Rod diameter	32mm-280mm
Stroke	200mm-8000mm
Working pressure	16MPa-45MPa
Working Temperature	-40°C-120°C

Product Overview

As the core power component of concrete pump trucks, pump truck hydraulic cylinders can be divided into three main categories according to function: boom cylinders, outrigger cylinders, and pumping cylinders, compatible with mainstream brand pump trucks. The products are manufactured using high-strength materials and advanced processes, possessing advantages such as high pressure resistance, vibration resistance, and long service life, meeting the needs of various complex construction scenarios.

Core Technical Features

General Technical Advantages

- Materials and Processes: The cylinder barrel uses jointly developed high-strength materials, processed using boring and rolling technology, resulting in excellent surface roughness and dimensional accuracy of the inner bore; the piston rod adopts friction welding, high-frequency quenching, and copper-chromium composite plating/laser cladding processes, exhibiting outstanding wear resistance, impact resistance, and corrosion resistance.
- Sealing System: Utilizing international brand seals such as NOK, Trelleborg, Parker, and Hallite, the unique sealing combination has been market-proven, ensuring reliable sealing and a long service life.
- Quality Control: Through online automatic flaw detection, coordinate measuring machine (CMM) inspection, and optical dimension recording, the entire quality process is traceable; it possesses full-dimensional testing capabilities including pulse, high and low temperature, and off-center load tests to ensure product reliability.

Features of Outrigger Cylinders

- Load-bearing Capacity: Designed specifically for pump truck support operations, it can withstand high-intensity off-center loads and vibrations, providing a stable support foundation for the equipment.
- Pressure Holding Capacity: Utilizing a reinforced sealing and buffer structure, it exhibits excellent pressure holding performance under long-term support conditions, effectively preventing settlement and ensuring construction safety.
- Environmental Adaptability: Operating temperature range covers -40℃ to 120℃ , adaptable to diverse working conditions such as high-temperature exposure and low-temperature freezing; special treatment processes for the cylinder barrel and piston rod enhance weather resistance and corrosion resistance.
- Installation Adaptability: Employing single-ear and other adaptable installation methods, it can precisely match different brands of pump truck chassis, offering convenient installation and high load transfer efficiency.

04

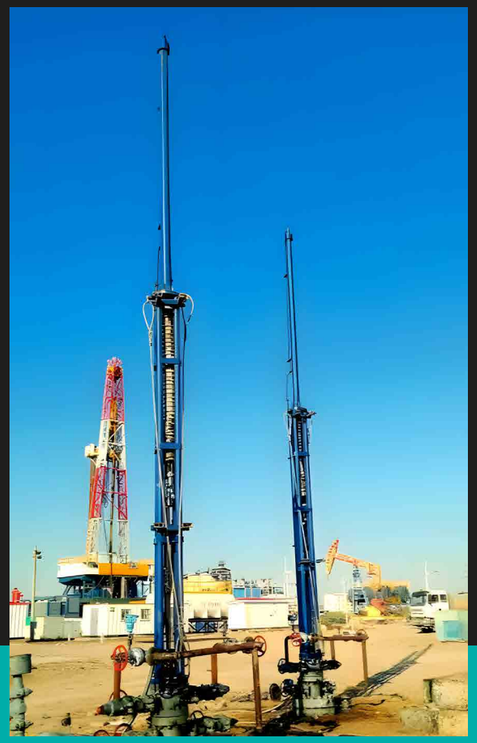
HYDRAULIC CYLINDER FOR SPECIAL USE

SPECIALTY INDUSTRY APPLICATIONS: R&D-POWERED SOLUTIONS FOR NICHE NEEDS

Leveraging the stability and adaptability of hydraulic systems, HCIC focuses on developing tailored solutions for specialty industries. Backed by a dedicated R&D team, we create hydraulic products "from scratch" to meet the unique demands of niche sectors—including oil development (harsh environment adaptation), special operations (customized functionality), and industrial machine tools (precision drive).

HCIC will continue to refine R&D capabilities, addressing more specialty industry pain points and extending hydraulic technology's value in niche application scenarios.

OIL PUMPING
HYDRAULIC CYLINDER



As a superior alternative to conventional beam-pumping units, hydraulic pumping systems offer significant advantages, including a compact footprint, high energy efficiency, and enhanced operational safety.

The hydraulic cylinder, being the most critical and high-value component, is engineered around three core principles: extreme-duty performance, supreme reliability, and long service life. Its manufacturing demands exceptional straightness, tight dimensional tolerances, and superior piston rod chrome plating. These features are essential to ensure a service life exceeding 3 million cycles in harsh operating environments.

MARINE HYDRAULIC
STEERING SYSTEM

A Boat Hydraulic Steering System is a high-performance marine steering solution designed to deliver smooth, precise, and responsive control for boats of all sizes—from small recreational vessels to large offshore fishing boats and commercial crafts. Unlike manual steering systems that rely on direct mechanical linkage, this hydraulic-based setup uses pressurized fluid to transfer steering input from the helm to the outboard, sterndrive, or inboard engine's steering cylinder. Its core components include a helm pump, hydraulic hoses, a steering cylinder, and hydraulic fluid, working in tandem to minimize steering effort even in rough sea conditions or when maneuvering heavy loads.

Engineered for durability and marine-grade reliability, our Boat Hydraulic Steering System features corrosion-resistant materials such as stainless steel and hard-anodized aluminum, ensuring long-lasting performance in saltwater environments. The system eliminates steering backlash, reduces vibration transfer from the engine to the helm, and provides consistent handling at both low speeds (for docking and tight turns) and high speeds (for stable cruising). It is compatible with single or multiple outboard motors, supports various helm wheel sizes, and meets international marine safety standards. Whether for leisure boating, competitive fishing, or commercial marine operations, this hydraulic steering system is the ideal upgrade for boaters seeking enhanced control, comfort, and safety on the water.

05

RELATED PRODUCTS

RELEVANT INDUSTRY EXPANSION: CROSS-SECTOR COLLABORATION FOR GROWTH

HCIC positions itself as a reliable partner for customers' new product development, with a focus on expanding into relevant industries. We engage in in-depth discussions with clients to understand industry trends and pain points, then leverage our growing supply chain and customer network to deliver cross-sector hydraulic products and integrated solutions.By breaking industry barriers through collaboration, HCIC aims to partner with clients across relevant fields, jointly exploring new market opportunities and achieving mutual success.

CUSTOM HYDRAULIC POWER UNIT

Custom Hydraulic Power Units Built for Large-Scale Projects

We specialize in designing and manufacturing high-performance, reliable custom hydraulic power units, delivering robust and stable power support for large-scale engineering projects. Whether for gate control in water conservancy projects, critical hydraulic drives on drilling platforms, or heavy-duty operations in mining machinery, our products excel in extreme environments, ensuring efficient and safe project execution.

Core Performance Advantages

- ***Powerful Output & Precise Control:*** Advanced hydraulic system design ensures stable output and rapid response, meeting both power and precision demands in complex working conditions.
- ***Superior Environmental Adaptability:*** Corrosion-resistant, high-pressure-tolerant, and wide-temperature-range designs to easily handle humidity, high loads, and temperature variations.
- ***High Energy Efficiency:*** Optimized energy utilization reduces long-term operational costs, aligning with sustainable engineering principles.

Comprehensive Customization Capability

With in-house capabilities spanning design, testing, and production, we provide flexible customization based on your specific project requirements (e.g., flow rate, pressure, medium, dimensions, and control methods). Every hydraulic power unit is tailored to integrate seamlessly with your system.

Empowering Critical Projects with Reliable Power

Choosing us means choosing professionalism, reliability, and efficiency. Let our technological innovation and dedicated craftsmanship drive your projects forward with confidence.

SERVICE BODY

CORE FEATURES

HCIC builds a comprehensive line of service bodies, engineered to meet the diverse demands of your fleet. Our bodies are designed for chassis ranging from 10.5k to 33k GVW, offering flexibility for various applications. Proudly manufactured in the China, every truck body meets the highest standards of quality and durability, thanks to our use of Galvanized steel, known for its superior corrosion resistance.

STANDARD FEATURES

- Body, crane tower, and outriggers rated at 10,000 ft-lbs moment load 68.5 cubic feet of storage capacity
- Stainless steel wrap around chip guard full height on front of cabinets Full length rain gutter
- Galvanized infinitely adjustable shelving (6 shelf kit) 250 lb capacity
- Fully sealed crane tower also functions as a storage cabinet
- 3-point locking door system features blind mounted door handles for security
- Polished stainless steel door handles feature compression latching
- Stainless steel spring loaded door checks
- Body mounted back-up alarm
- Automotive bulb, steel-backed weather stripping between doors and cabinets
- Plug and play harnessing Body is fully sanded, chemically washed and prepped prior to paint
- 3-step paint process with PPG Delfleet Polyurethane topcoat – exterior and interior
- Body is fully undercoated
- LED Lights and reflectors are mounted per DOT specifications
- Standard mounting points for air compressor