



# THINKWELL HARDWARE & MACHINERY

Off Road Accessories & Hardware

**Thinkwell**

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# COMPANY

## Thinkwell

Thinkwell Hardware & Machinery CO.,Ltd is professional manufacturing facility providing Rigging Hardware ,Electric Line Pole power fittings, Trailer Hitches & Pulleys, Ornamental Wrought Iron, Container Fittings, Marine Hardware, Misc hardware and CNC parts.

Our TK Brand is widely used in metallurgical machinery, electric power plants, coal operation , port operations, petrochemical industry, engineering, bridges, hydraulic engineering, shipping, cable-ways, overhead & fixed cranes along with portable mobile cranes etc.

Our International Sale Representatives work hand and hand with our inside sale representatives providing customer satisfaction through on-time manufacturing & delivery schedules, proficient documentation for hassle free service and handle questions with solutions for technical issues.

## Introduction

Thinkwell is a fully rounded service manufacture.

The factory covers an area of 10,000 square meters and employs over 250 full-time staff . An Engineering department, Design department, Technical department with 15 Technicians and a QC/QA department overseeing all operations. Two forging workshops and a mold workshop. Our basic equipment includes: 1000T/630T/400T/300T/160T forging machines, air hammers, heating furnace, rolling machines, tapping machines, blasting machines and so on.

Our factory has joint venture relationships with the heat treatment factory ,milling factory and galvanizing plant. Through our QC program end users can enjoy safe, reliable and the highest quality TK Brand products they expect.

Thinkwell' s reputation is recognized through worldwide buyers for over 16+ years.

# Production Equipments



Stamping Machine



CNC



Shot Blasting Machine



Forging Press



Cutting Machine



Hardness Machine



Forging Press



Tensile Testing Machine



Drilling Machine

# Recovery Kit

All the products can be according to customer's requirements to customized



- 2" Shackle Hitch Receiver
- 4T/8T/10T Snatch Block
- 3/4" G209 D Ring Shackle
- Hitch Lock
- 3"\*30ft Tow Strap
- Gloves
- Winch Cable Dampener
- Folding Shovel
- Carry Bag



2" Shackle Hitch Receiver



4T/8T/10T Snatch Block



3/4" D Ring Shackle



Hitch Lock



3"\*30ft Tow Strap



Gloves



Winch Cable Dampener



Folding Shovel



Carry Bag



# Hitch Receiver



**Shackle Hitch Receiver**  
 Process: Hitch Receiver is CNC, Shackle is Forging  
 Material: Carbon Steel  
 Surface: Powder Painted  
 Fitting: Shackle Isolator, Hitch Pin, Washer etc

Part No.	Size (in.)	Work Load Limit (t)	Weight (kg)
TKT001	2	4.75	3.4

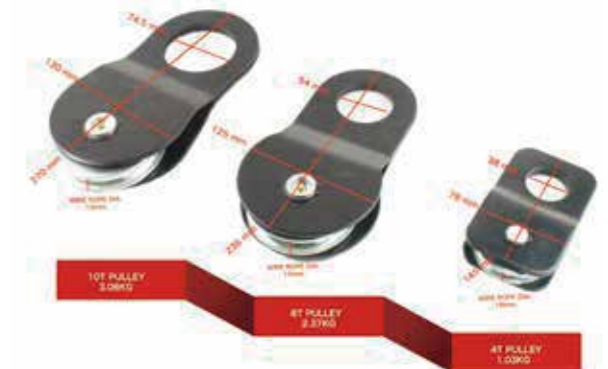
**Shackle Hitch Receiver**  
 Process: CNC  
 Material: Aluminum Alloy  
 Surface: Anodic Oxidation  
 Fitting: G209 Shackle, Shackle Isolator, Hitch Pin, Washer etc

Part No.	Size (in.)	Work Load Limit (t)	Weight (kg)
TKT002	2	5	0.88



# Snatch Block

**ENSURES ALMOST EFFORTLESS RECOVERY!**  
 Our premium quality snatch block for synthetic rope has greaseable fitting to allow you a continuous smooth operation. What's more it makes navigating through trees debris and different angle a lot easier and safer!



**Snatch Block**  
 Process: Plate is Stamping, Wheel is CNC  
 Material: Carbon Steel  
 Surface: Powder Painted  
 Color: Red, Black, Orange etc

Part No.	Max Capacity (t)	Wrie Rope Size (mm)	Weight (kg)
TKT003	4	10	1.03
TKT004	8	15	2.56
TKT005	10	15	3.06



# Tow Strap



Tow Strap

Part No.	Size	End Fitting	Breaking Strength (lbs)
TKT006	3**8'	Reinforced Eye	30000 lbs
TKT007	3**20'	Reinforced Eye	30000 lbs
TKT008	3**30'	Reinforced Eye	30000 lbs
TKT009	4**30'	Reinforced Eye	40000 lbs



Axle Strap with D-Ring

Part No.	Size	Fitting	Work Load Limit (lbs.)	Breaking Strength (lbs.)
TKT010	2**36"	2" D Ring	3333	10000



Material : 100% high tensile polyester  
 Width: 3inch(75mm), 2inch(50mm), 1inch(25mm)  
 Length: 3m to 10m or as you required

Made from superior high tensile 100% Polyester (PES), it can withstand extreme loads and extreme temperatures.

# Shackle



Soft Shackle



Part No.	Size(A x B)	Breaking Strength (kg)	Weight (kg)
TKT014	6mm*6inch	5000	0.1
TKT015	8mm*6inch	8850	0.1
TKT016	9mm*6inch	11000	0.1
TKT017	10mm*6inch	13650	0.2
TKT018	11mm*6inch	15340	0.2
TKT019	12mm*6inch	17550	0.2
TKT020	13mm*6inch	20280	0.2
TKT021	14mm*6inch	30550	0.21



G209 Shackle

Part No.	Size (in.)	Working Load Limit (t)	Weight (lbs.)	Dimensions(in.)				
				A	B	C	D	E
TKT011	1/2	2	0.72	0.81	0.63	1.88	0.5	1.31
TKT012	5/8	3-1/4	1.37	1.06	0.75	2.38	0.63	1.69
TKT013	3/4	4-3/4	2.35	1.25	0.88	2.81	0.75	2

# Off Road Accessories



10T Square Mega Shackle+ Anti-theft pin



Inner triangle nut



Anti-theft pin



10T Round Mega Shackle+ Anti-theft pin



5T Aluminum Bow Shackle



8T Mega Bow Shackle



Custom Aluminum Hitch Receiver



Aluminum Snatch Block



Steel Mega Snatch Block



Aluminum Winch Hook



Custom Snatch Block



Custom Winch Hook

## Heavy Duty Custom Shackle





# Hitch Ball



Part NO.	Ball Dia.	Shank Dia.	Shank Length	Capacity	Finish
TKT021	1-7/8"	3/4"	1-1/2"	2000lbs	Chrome, zinc, Black Nickel, Stainless Steel
TKT022	1-7/8"	3/4"	2"	2000lbs	
TKT023	1-7/8"	3/4"	2-3/8"	2000lbs	
TKT024	1-7/8"	3/4"	3-3/8"	2000lbs	
TKT025	1-7/8"	1"	2"	3500lbs	
TKT026	1-7/8"	1"	2-1/8"	3500lbs	
TKT027	1-7/8"	1"	2-1/2"	3500lbs	
TKT028	1-7/8"	1"	3"	3500lbs	
TKT029	1-7/8"	1"	3-3/8"	3500lbs	
TKT030	2"	3/4"	1-1/2"	3500lbs	
TKT031	2"	3/4"	2"	3500lbs	
TKT032	2"	3/4"	2-3/8"	3500lbs	
TKT033	2"	3/4"	3"	3500lbs	
TKT034	2"	3/4"	3-3/8"	3500lbs	
TKT035	2"	1"	2"	6000lbs	
TKT036	2"	1"	2-3/4"	6000lbs	
TKT037	2"	1"	3"	6000lbs	
TKT038	2"	1"	3-3/8"	6000lbs	
TKT039	2-5/16"	1"	2"	6000lbs	
TKT040	2-5/16"	1"	2-1/2"	6000lbs	
TKT041	2-5/16"	1-1/4"	2"	12000lbs	
TKT042	2-5/16"	1-1/4"	2-1/2"	12000lbs	
TKT043	2-5/16"	1-1/4"	3"	12000lbs	
TKT044	50mm	7/8"	60mm	3.5t	Chorme, Zinc Plated
TKT045	50mm	7/8"	70mm	3.5t	

Selecting the right hitch ball is a must for trouble-free towing.

Always use the properly rated hitch ball for your towing system.

In addition to the above trailer ball, it also accept customization



# Standard Mounts



**CORROSION-RESISTANT.** For long-lasting use, this ball hitch is protected with a durable black powder coat finish, and the trailer ball has a polished chrome plating. These finishes resist damage from rain, dirt, snow, road salt and other corrosive threats.

**EASY TO INSTALL.** To install the trailer hitch ball mount on your vehicle, simply insert the shank into your vehicle's 2-inch hitch receiver. The rounded shank makes installation easy, and the included hitch pin and pre-torqued trailer ball allow for immediate coupling of your trailer.



## Hitch Ball Mounts

Part No.	Max Drop(in.)	Max Rise(in.)	Length(in.)	Ball Hole Size(in.)	Max Capacity (lbs.)	Shank
TKT046	2	3/4	9	1	6,000	Hollow
TKT047	3	2	7-7/8			
TKT048	4	2-3/4	8-1/4			
TKT049	5	3-3/4	9		5,000	
TKT050	6	4-3/4	9-1/2			
TKT051	8	6/3/4	10			



**Forged Ball Mounts**

Part No.	Max Drop(in.)	Max Rise(in.)	Length(in.)	Ball Hole Size(in.)	Max Capacity (lbs.)	Shank
TKT052	2	1	8-1/2	1-1/4	10,000	Solid
TKT053	4	3	9-1/4			
TKT054	6	5	10-1/4			



**Hitch Ball Mounts**

Part No.	Drop(in.)	Pin(in.)	Ball Size(in.)	Max Capacity (lbs.)	Shank
TKT055	2	5/8	2	6,000	Hollow
TKT056	3		2		



**Welder Ball Mounts**

Part No.	Drop(in.)	Rize(in.)	Length(in.)	Ball Size(in.)	Max Capacity (lbs.)	Shank
TKT057	2	3/4	9	1-7/8	3,500	Hollow
TKT058	2	3/4	9	2	6,000	



**Dual-Ball Mounts**

Part No.	Drop(in.)	Length(in.)	Ball Size(in.)	Max Capacity (lbs.)	Shank
TKT059	2	8-1/4	1-7/8 & 2	6,000	Hollow
TKT060	2	8-1/4	2 & 2-5/16"	6,000	Solid



**Tri-Ball Mounts**

Part No.	Ball Size(in.)	Length(in.)	Max Capacity (lbs.)	Shank
TKT061	1-7/8	12	3,500	Solid/Hollow
TKT062	2	12	6,000	
TKT063	2-5/16	12	10,000	



**Tri-Ball Mounts with Hook**

Part No.	Ball Size(in.)	Length(in.)	Max Capacity (lbs.)	Shank
TKT064	1-7/8	12	3,500	Solid/Hollow
TKT065	2	12	6,000	
TKT066	2-5/16	12	10,000	

# Ball Mounts

Adjustable Aluminum Ball Mount



Part No.	Drop(in.)	Length(in.)	Ball Size(in.)	Max Capacity (lbs.)	Shank
TKT067	2	8-1/4	1-7/8 & 2	6,000	Hollow
TKT068	2	8-1/4	2 & 2-5/16"	6,000	

Adjustable Steel Ball Mount(Type I)



Part No.	Max Drop(in.)	Max Rise(in.)	Length(in.)	Max Capacity (lbs.)	Shank
TKT069	7-1/2	6-1/4	13 to 12	5,000	Hollow

Adjustable Steel Ball Mount(Type II)



Part No.	Max Drop(in.)	Max Rise(in.)	Length(in.)	Max Capacity (lbs.)	Shank
TKT070	9-5/8	8-3/8	12	6,000	Hollow



Adjustable Steel Triball Mount

Part No.	Max Drop(in.)	Max Rise(in.)	Length(in.)	Shank
TKT071	4-3/4	5-11/16	11-9/16	Solid



# Receiver Adapter

**CORROSION-RESISTANT.** For long-lasting use, this ball hitch is protected with a durable black powder coat finish, and the trailer ball has a polished chrome plating. These finishes resist damage from rain, dirt, snow, road salt and other corrosive threats.

**EASY TO INSTALL.** To install the trailer hitch ball mount on your vehicle, simply insert the shank into your vehicle's 2-inch hitch receiver.



# Receiver Mounts

1. Designed for Standard 2" Hitch Receiver
2. Solid Steel Drop Forged
3. 10,000 Pound Rated
4. Black Powder Coated Finish
5. 5/8" Hitch Pin Hole



**Forged Tow Hook**

Part No.	Length	Max Capacity (lbs.)	Weight(lbs.)	Shank
TKT080	7-3/8	10,000	9.02	Solid



**Forged Tow Eye**

Part No.	Length(in.)	Max Capacity (lbs.)	Weight (lbs.)	Shank
TKT081	7-3/8	10,000	9.66	Solid



**Tow Hook with Latch**

Part No.	Max Capacity (lbs.)	Breaking Strength (lbs.)	Weight (lbs.)
TKT082	10,000	15,000	1.59

# Pintle Hook Mounts

**WEATHER-RESISTANT.** This pintle hook is shielded in a highly durable powder coat finish for long-lasting resistance to rust, chipping and UV damage, in spite of rain, snow, mud and other outdoor elements.

**EASY TO INSTALL.** This pintle hitch is easy and secure to install, using the included bolt kit. It is designed to mount onto any CURT pintle mount, including an adjustable pintle hitch mounting plate for convenient height adjustment and level towing (pintle mount sold separately).



Part No.	Ball Size(in.)	Wide (Center to Center)	Up/Down (Center to Center)	Hole Dia (in.)	Ball Capacity (lbs.)	Body Capacity (lbs.)	Weight (kg)
TKT083	1-7/8	3-1/2	1-3/4	1/2	2000	16000	6.2
TKT084	2	3-1/2	1-3/4	1/2	7000	16000	6.2
TKT085	2-5/16	3-1/2	1-3/4	17/32	12000	16000	6.2

Part No.	Wide (Center to Center)	Up/Down (Center to Center)	Hole Dia (in.)	Body Capacity (t)	Weight (kg)
TKT086	3-3/8	1-3/4	17/32	5	5.9
TKT087	3-3/8	1-3/4	17/32	10	5.9
TKT088	3-3/8	1-3/4	17/32	15	5.9
TKT089	3-3/8	1-3/4	17/32	30	5.9



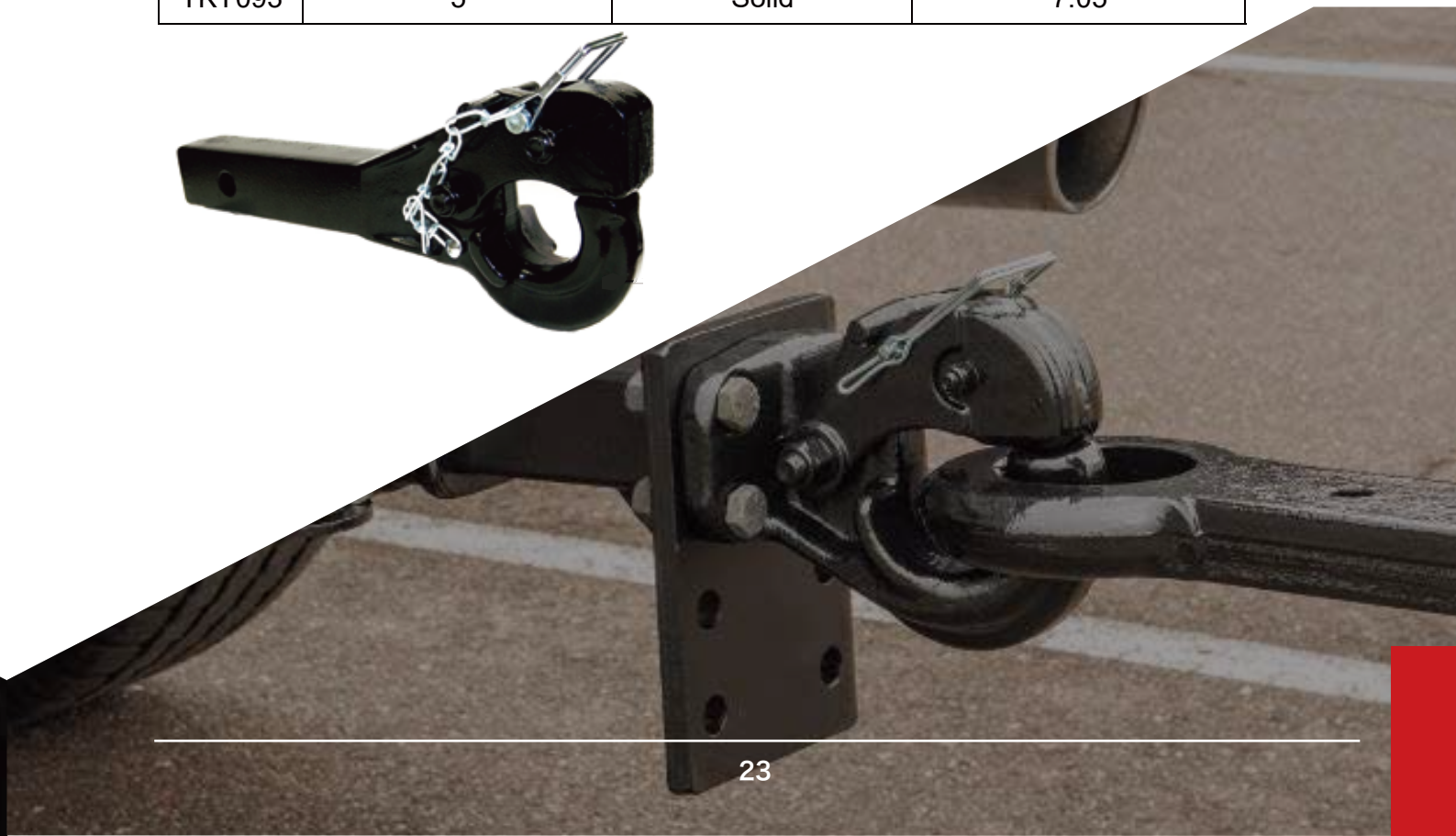
**SECURE CONNECTION.** To ensure a reliable connection to your trailer, this pintle hitch comes with a spring-loaded arm. The arm locks down onto the hook and can be secured with the included safety pin.

**DEPENDABLE STRENGTH.** Get more done with the superior towing capacity of this pintle hook hitch. The body is constructed from solid forged steel to promote maximum towing strength and confidence on the job.

**WEATHER-RESISTANT.** This pintle hook is shielded in a highly durable powder coat finish for long-lasting resistance to rust, chipping and UV damage, in spite of rain, snow, mud and other outdoor elements.

Part No.	Ball Size(in.)	Ball Capacity (lbs.)	Body Capacity (lbs.)	Shank	Weight (kg)
TKT090	1-7/8	2000	16000	Solid	8
TKT091	2	7000	16000	Solid	8
TKT092	2-5/16	12000	16000	Solid	8

Part No.	Body Capacity (t)	Shank	Weight (kg)
TKT093	5	Solid	7.05



# Hitch Coupler

Hitch coupler for 1-7/8", 2" (2-1/2" or 3") channel width balls is galvanized to prevent corrosion and rust. It is suitable for 2"(2-1/2" or 3") channels. Suitable for 1-7/8" or 2" steel balls. In accordance with American standards.



Part No.	Ball Dia (in.)	Channel (in.)	Max Capacity (lbs.)
TKT094	1-7/8	2	2,000
TKT095	1-7/8	2-1/2	2,000
TKT096	1-7/8	3	2,000
TKT097	2	2	3,500
TKT098	2	2-1/2	3,500
TKT099	2	3	3,500
TKT100	2	3	5,000



# Coupler Lock / Hitch Pin & Lock



# Chain & Accessories



G70 Binder Chain & Accessories

Part No.	Chain Size (in.)	Hook Size (in.)	Chain Length (in.)	Working Load Limit (lbs.)
TKT151	5/16	5/16	10	4700
TKT152	5/16	5/16	15	4700
TKT153	5/16	5/16	20	4700
TKT154	3/8	3/8	10	6600
TKT155	3/8	3/8	15	6600
TKT156	3/8	3/8	20	6600
TKT157	1/2	1/2	10	11300
TKT158	1/2	1/2	15	11300
TKT159	1/2	1/2	20	11300



G30 Safety Chain

Part No.	Size (in.)	Standard	Weight (kg)	Working Load Limit (lbs.)	Breaking Strength (lbs.)
TKT160	3/16" x 48"	ASTM80	0.8	800	3200
TKT161	1/4" x 48"	ASTM80	1.5	1250	5000
TKT162	5/16" x 48"	ASTM80	2.2	1900	7600
TKT163	3/16" x 48"	NACM90	0.8	800	3200
TKT164	1/4" x 48"	NACM90	1.4	1300	5200
TKT165	5/16" x 48"	NACM90	1.9	1900	6800
TKT166	3/16" x 48"	NACM96	0.8	800	3200
TKT167	1/4" x 48"	NACM96	1.4	1300	5200
TKT168	5/16" x 48"	NACM96	2.2	1900	7600