



THE COMPLETE HEAVY LOAD MOVING SOLUTIONS PROVIDER



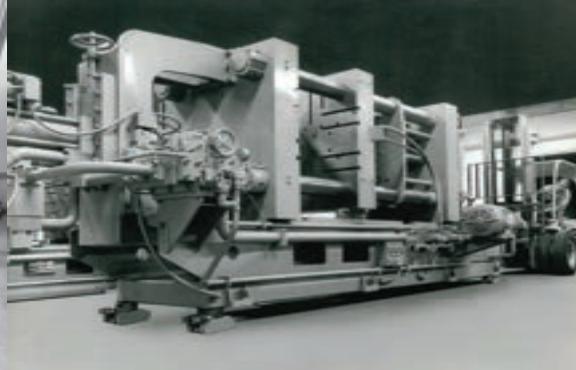
OVER 70 YEARS OF EXCELLENCE

**ENGINEERED**  
**SOLUTIONS**



[WWW.HILMANROLLERS.COM](http://WWW.HILMANROLLERS.COM)





# HILMAN

Hilman Inc. designs, engineers and manufactures high capacity rollers, powered heavy moving systems, and custom load moving solutions.

In addition, we can design and fabricate custom load moving systems for heavy moving problems that require special attention.

With more than 70 years of innovation and experience, Hilman has earned and maintained a reputation for offering its customers the highest standards of quality, consistency and value making us a world leader when it comes to heavy load moving solutions.

We manufacture our products in the USA. Hilman Inc. is ISO-9001:2015 approved and can submit for the approval of Lloyd's, DNV and ABS as well as other third parties.

Our high capacity rollers are known throughout the world for their dependability, flexible design, and durability and have been the benchmark by which all other machinery rollers and load moving systems are measured.

Hilman is always up for a challenge. If you have a specific project and would like to learn more about our custom load moving solutions, please contact us.



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# KITS & SETS



# EASY TO CHOOSE, EASY TO USE

Hilman Rollers are high capacity, low profile roller dollies that utilize a recirculating chain design for moving, shifting, or positioning heavy weights.

## FT SERIES



Variety of Top Styles – Versatile top configurations are built into the body of the roller. These steel chain action rollers are a great choice to move heavy equipment over ordinary concrete floors or track.

## NYTON SERIES



Floor Protection – High impact synthetic Nylon rolls are used instead of steel for protection on delicate floor surfaces such as new concrete, epoxy coated surfaces, painted or sealed floors.

## ERS SERIES



Lowest Height – Versatile two-piece design features an open top base roller with serrated side plates to maintain a firm grip on moving loads plus detachable swivel tops for use on ordinary concrete floors or track.

## LIFT



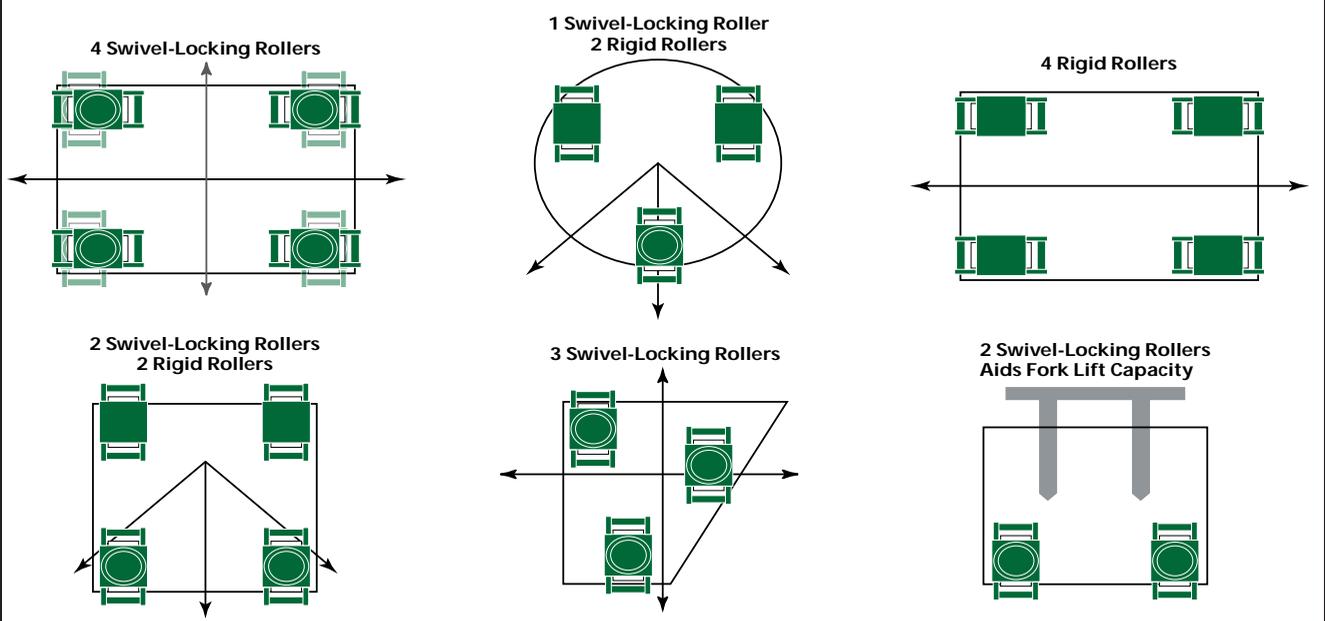
## SET



## ROLL



### ROLLER CONFIGURATIONS



# FT ADVANTAGES

All tops are swivel locking and can be used in the swivel or rigid mode.



### SMOOTH STEEL TOPS (S)

ideal for weld mounting the rollers to equipment or as a base unit for a variety of top modifications



### PADDED STEEL TOPS (P)

allow some compression and provide a non-slip surface for moving on less than perfect floors



### DIAMOND STEEL TOP (D)

spike-like steel grid able to grip into wood and provide a secure move for crated or palletized equipment or use supplied pre-load pad

### VERSATILE TOP PLATES

### LOCKING (OPTIONAL)

for added control on long straight moves. Unlock swivel for turning



**CAST STEEL FRAME**  
for high quality

**LOW MAINTENANCE**  
no bearings

### WIDE CHAIN TRACK

distributes load over a greater area

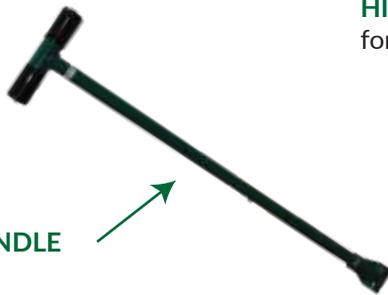
### LOW FRICTION

3-5 % depending on rolling surface

**HARDENED, PRECISION GROUND CHAIN ROLLS**  
for durability and extra long life

**HIGH IMPACT NYLON CHAIN (NYTON)**  
for floor protection

**STEERING HANDLE**



# INDIVIDUAL

The FT Series offers the widest array of top configurations that are built right into the body of the roller. With six individual roller capacities, these steel chain action rollers are a perfect choice to move heavy equipment over ordinary concrete floors.



Hilman Part #	Top Style	Capacity (tons)	Length		Width		Height		Weight		Contact Rolls
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)	
.75-SP	SWIVEL PADDED	0.75	6-1/2	165	3-5/8	92	3-1/3	84	9	4	5
2-SP	SWIVEL PADDED	2	6-1/2	165	4-1/8	92	1-5/16	79	15	4	5
3.75-SLP	SWIVEL LOCKING PADDED	3.75*	10-1/2	267	5-3/4	146	5	127	34	15	5
7.5-SLP		7.5*	10-1/2	267	5-3/4	146	5-1/4	133	38	17	4
10-SLP		10*	10-1/2	267	5-3/4	146	5-1/4	133	38	17	4
15-SLP		15	12-3/4	324	6-3/8	162	5-1/8	130	49	22	5
30-SLP		30*	15	380	8	203	8	203	122	55	5
3.75-SLD	SWIVEL LOCKING DIAMOND	3.75*	10-1/2	267	5-3/4	146	4-3/4	121	34	15	5
7.5-SLD		7.5*	10-1/2	267	5-3/4	146	5	127	37	17	4
10-SLD		10*	10-1/2	267	5-3/4	146	5	127	37	17	4
15-SLD		15	12-3/4	324	6-3/8	162	4 7/8	124	49	22	5
30-SLD		30	15	380	8	203	7-3/32	180	118	54	5
50-SLD	50	21	533	8	203	8-1/16	205	189	86	7	
3.75-SLS	SWIVEL LOCKING SMOOTH	3.75	10-1/2	267	6	152	4-5/8	117	35	16	5
7.5-SLS		7.5*	10-1/2	267	6	152	4-7/8	124	38	17	4
10-SLS		10*	10-1/2	267	6	152	4-7/8	124	38	17	4
15-SLS		15	12-3/4	324	6-3/8	162	4-3/4	121	50	23	5

\*Width dimension of top exceeds roller frame width



# KITS & SETS

FT Series Kits and Sets machinery moving skates offer an array of top configurations, built right into the body of the roller, making them ideal for moving heavy equipment over ordinary concrete floors and track.

## KRS-15-SLD



## KRS-30-SLP



Hilman Part #	Capacity (Kits/Sets)	Kit/Set Includes	Weight	
			(lb)	(kg)
KRS-3-4S	3	(4) 0.75-SP Rollers, (2) 3-KH Handles, Case	55	25
KRS-8-4S	8	(4) 2-SP Rollers, (2) 8-KH Handles, Case	85	39
KRS-15-SLP	15	(4) 3.75-SLP Rollers, (2) KDH48F Handles, Case	203	92
KRS-15-SLD	15	(4) 3.75-SLD Rollers, (4) P-1 Preload Pads, (2) KDH48F Handles, Case	203	92
KRS-30-SLP	30	(4) 7.5-SLP Rollers, (2) KDH48F Handles, Case	215	98
KRS-30-SLD	30	(4) 7.5-SLD Rollers, (4) P-1 Preload Pads, (2) KDH48F Handles, Case	215	98
KRS-40-SLP	40	(4) 10-SLP Rollers, (2) KDH48F Kit Size Handles, Case	219	99
KRS-40-SLD	40	(4) 10-SLD Rollers, (4) P-1 Preload Pads, (2) KDH48F Handles, Case	219	99
KRS-60-SLP	60	(4) 15-SLP Rollers, (2) KDH48F Kit Size Handles, Case	255	116
KRS-60-SLD	60	(4) 15-SLD Rollers, (4) P-1 Preload Pads, (2) KDH48F Handles, Case	259	117
RS-120-SLP	120	(4) 30-SLP Rollers, (2) H60F 60" Handles	242	256
RS-120-SLD	120	(4) 30-SLD Rollers, (4) P-2 Preload Pads, (2) H60F 60" Handles	540	245

All Kits 15 to 60 tons include- Steel Case Kit Box KB-D2: 27.75" (705mm) x 14.75" (375mm) x 9.63" (245mm)

All Kits 3 to 8 tons include- Steel Case Kit Box KB-D1: 16" (406mm) x 12.375" (314mm) x 4.44" (113mm)

## KIT & SET STEERING HANDLES



Steering Handle

Knockdown Steering Handle

Hilman Part #	Fits	Fits	Description	Length		Weight	
				(in)	(mm)	(lb)	(kg)
3-KH	FT 3 ton Kits	Nyton 2 ton Kits	Steering Handle	15	381	3	1
8-KH	FT 8 ton Kits	Nyton 4 ton Kits	Knockdown Steering Handle	30	762	6	3
KDH48F	FT 15 - 60 ton Kits	Nyton 8 - 24 ton Kits	Knockdown Steering Handle	48	1219	12	5
H36F	FT 3.75 - 15 ton Rollers	FT 3.75 - 15 ton Rollers	Steering Handle	36	914	10	5
H48F	FT 3.75 - 30 ton Rollers	Nyton 2 -10 ton Rollers	Steering Handle	48	1219	12	5
H60F	FT 3.75- 50 ton Rollers	Nyton 2 - 10 Rollers	Steering Handle	60	1524	25	11



# NYTON

The Nyton series is designed for heavy moving capabilities on delicate floor surfaces such as new concrete, epoxy coated surfaces, painted or sealed floors.

Hilman Part #	Capacity (tons)	Length		Width		Height		Weight		Contact	Type	Top Style
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)			
N.5-SP	0.5	6 1/2	165	3 5/8	92	3 7/16	87	7	3	5	Swivel	Padded
N1-SP	1	6 1/2	165	4 1/8	105	3 15/16	100	12	5	4	Swivel	Padded
N2-SLP	2	10 1/2	267	5 3/4	146	5	127	28	13	5	Swivel	Padded
N3-SLP	3	10 1/2	267	5 3/4	146	5 1/4	134	29	13	4	Swivel	Padded
N6-SLP	6	12 3/4	324	324	162	5 1/8	130	36	16	5	Swivel	Padded
N10-SLP	10	15	381	8	203	5	202	100	45	5	Swivel	Padded

\*Width dimension of top exceeds roller frame width

## KNRS-4-4S



## KNRS-8-SLP



## KITS & SETS

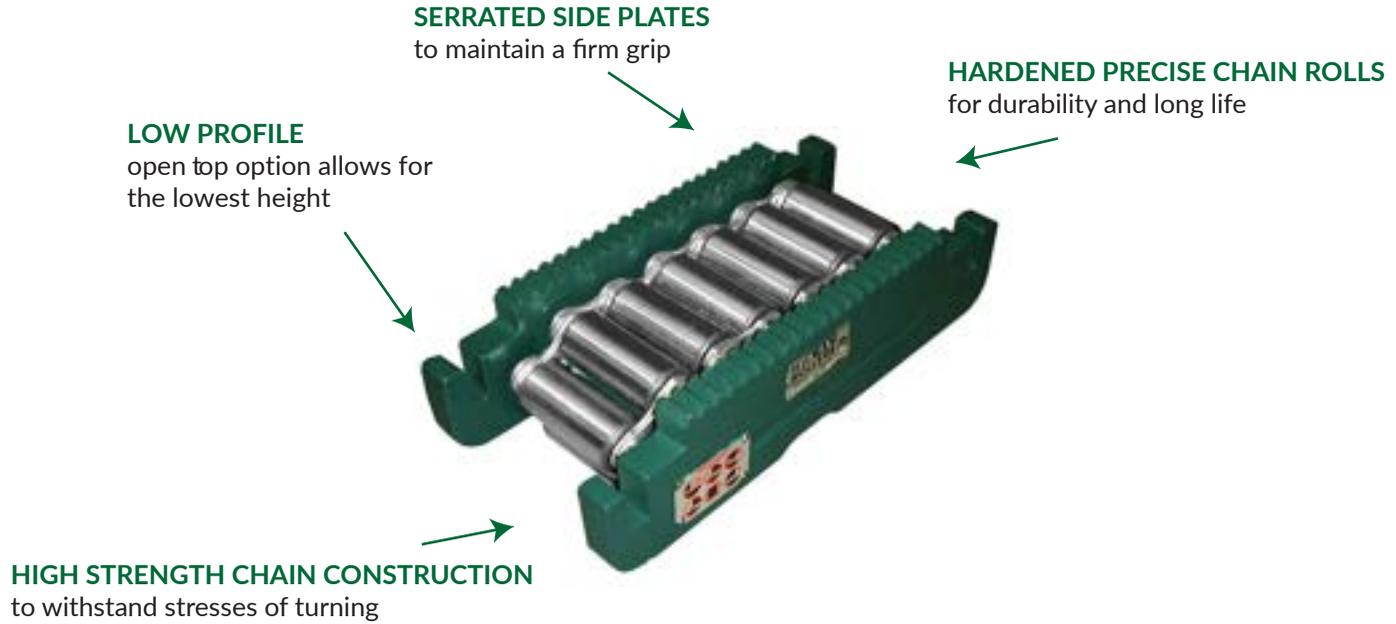
Hilman Part #	Kit/Set Capacity (tons)	Kit/Set Includes	Weight	
			(lb)	(kg)
KNRS-2-2S/2R	2	(2) N.5-SP Rollers, (2) N.5-RP Rollers, (2) 3-KH Handles, Case	42	19
KNRS-2-4S	2	(4) N.5-SP Rollers, (2) 3-KH Handles, Case	47	21
KNRS-8-SLP	8	(4) N2-SLP Rollers, (2) KDH48F Kit Size Handles, Case	179	81
KNRS-12-SLP	12	(4) N3-SLP Rollers, (2) KDH48F Kit Size Handles, Case	179	81
KNRS-24-SLP	24	(4) N6-SLP Rollers, (2) KDH48F Kit Size Handles, Case	203	92
NRS-40-SLP	40	(4) N10-SLP Rollers, (2) H60F 60" Handles	458	208

All Kits include - Steel Case Kit Box KB-D2: 27.75" (705mm) x 14.75" (375mm) x 9.63" (245mm)



# ERS ADVANTAGES

The ERS Series features a two-piece design with a base roller and serrated side plates to maintain a firm grip on moving loads plus detachable swivel attachments. Manually situated on the Rollers, these optional attachments enhance maneuverability and add minimal height to the basic roller. It is especially valuable for tasks requiring a roller with low clearance.



Hilman Part #	Capacity (tons)	Length		Width		Height		Weight		Contact Rolls
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)	
5-ERS	5	8-5/8	219	5-5/16	135	2-3/4	70	20	9	5
12.5-ERS	12.5	10-3/8	264	5-5/8	143	3-3/8	86	31	14	5
25-ERS	25	5-3/4	400	7-1/4	184	4-3/4	121	79	36	5
65-ERS	65	23	584	7-3/8	187	5-5/8	143	156	71	7
100-ERS	100	23	584	7-7/8	200	5-5/8	143	164	75	7

## BANJO TOPS



**SWIVEL LOCKING DIAMOND TOP**  
have spike-like grid able to grip wood or use supplied pre-load pad



**PRE-LOAD PAD**

Swivel Locking Diamond Top	Roller Part #	Diamond (D) Style Attachment							
		Height		Width		Length		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
T-5-LD	5-ERS	4-7/16	113	5-7/8	149	10-3/4	273	13	6
T-12.5-LD	12.5-ERS	5-1/16	129	5-7/8	149	12-1/2	318	14	6
T-25-LD	25-ERS	7-1/16	179	8	203	18-19/32	472	42	19
T-65-LD	65-ERS	7-15/16	202	8-3/8	213	25-3/8	645	47	21
T-100-LD	100-ERS	7-15/16	202	8-3/8	213	25-3/8	645	47	21



# KITS & SETS

The ERS Kits and Sets features a two-piece design with a base roller for straight-line movement and a detachable swivel attachment for easy turning, these kits are particularly valuable for tasks requiring low-clearance rollers, with the swivel-locking capabilities enhancing maneuverability.

## KRS-20-ERSD



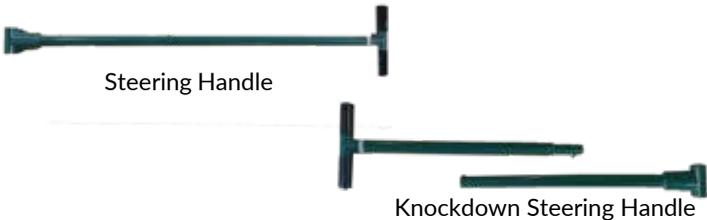
## RS-100-ERSD



Hilman Part #	Kit/Set Capacity (tons)	Kit/Set Includes	Weight	
			(lb)	(kg)
KRS-20-ERSD	20	(4) 5-ERS Rollers, (4) T-5-LD Swivel Locking Diamond Attachments, (4) P-1 Preload Pads, (2) KDH48E Knockdown Steering Handles, Case	201	91
KRS-50-ERSD	50	(4) 12.5-ERS Rollers, (4) T-12.5-LD Swivel Locking Diamond Attachments, (4) P-1 Preload Pads, (2) KDH48E Knockdown Steering Handles, Case	249	113
RS-100-ERSD	100	(4) 25-ERS Rollers, (4) T-25-LD Swivel Locking Diamond Attachments, (4) P-2 Preload Pads, (2) H48E Steering Handles	514	233
RS-260-ERSD	260	(5) 65-ERS Rollers, (4) T-65-LD Swivel Locking Diamond Attachments, (4) P-2 Preload Pads, (2) H60E Steering Handles	870	395
RS-400-ERSD	400	(6) 100-ERS Rollers, (4) T-100-LD Swivel Locking Diamond Attachments, (4) P-2 Preload Pads, (2) H60E Steering Handles	906	411

All Kits 20 & 50 tons include - Steel Case Kit Box KB-D2: 27.75" (705mm) x 14.75" (375mm) x 9.63" (245mm)

## KITS & SETS STEERING HANDLES



Hilman Part #	Fits	Description	Length		Weight	
			(in)	(mm)	(lb)	(kg)
KDH48E	ERS Series 15 - 50 ton Kits	Knockdown Handle	48	1219	11	5
H36E	ERS Series Swivel Attachments to T - 25	Steering Handle	36	914	7	3
H48E	ERS Swivel Attachments to T - 65	Steering Handle	48	1219	10	5
H60E	All ERS Series Swivel Attachments	Steering Handle	60	1524	24	11



# ROLLERS



# ENDLESS POSSIBILITIES

Our OT, NT, T Series rollers can withstand high static loading over long periods of time, often carrying the full load weight for years with no adverse effects. Because loads are spread over a wide area and carried by the load plate and the contact rolls, rollers are ideal for many applications requiring the frequent movement of heavy loads.

## OT, NT, T



OT, NT, T Rollers are fabricated from high strength steel. Load plates of 37.5-ton and higher capacities undergo a special machine process to minimize side-to-side movement of chain. The rollers can also be used inverted, as static conveyors.

## SHD



Super Heavy Duty Rollers are the highest capacity rollers that Hilman offers as standard models. 150 & 200 Ton frames come in Long (L) or Wide (W). Wide frame versions are offered with one complete (wide) chain or with two individual chains with a center plate (C) dividing them.

## LOW COEFFICIENT OF FRICTION

The combination of a hard steel load plate with a chain of concentrically grouped, hardened steel rolls provides optimal low-friction performance under ideal conditions. These ideal conditions include an evenly centered load on the rollers and a hardened steel rolling surface that is smooth, level, and free of debris. Under such conditions, our rollers have been tested and demonstrate a coefficient of friction between 1% and 2%.



## SUPERIOR WEIGHT DISTRIBUTION

This roller design creates an even load bearing area or footprint. The wide footprint spans gaps in running plates and small cracks in a floor surface, allowing for an uninterrupted move. Due to the multi-rolled concept, if a roll should break, the load won't fall because there are other contact rolls on the chain to compensate.



# ROLLERS ADVANTAGES

These rollers come in a variety of capacities, frame and top styles. They can easily be modified for any application.



**OVERSIZED TOP (OT)**  
overhang side to side

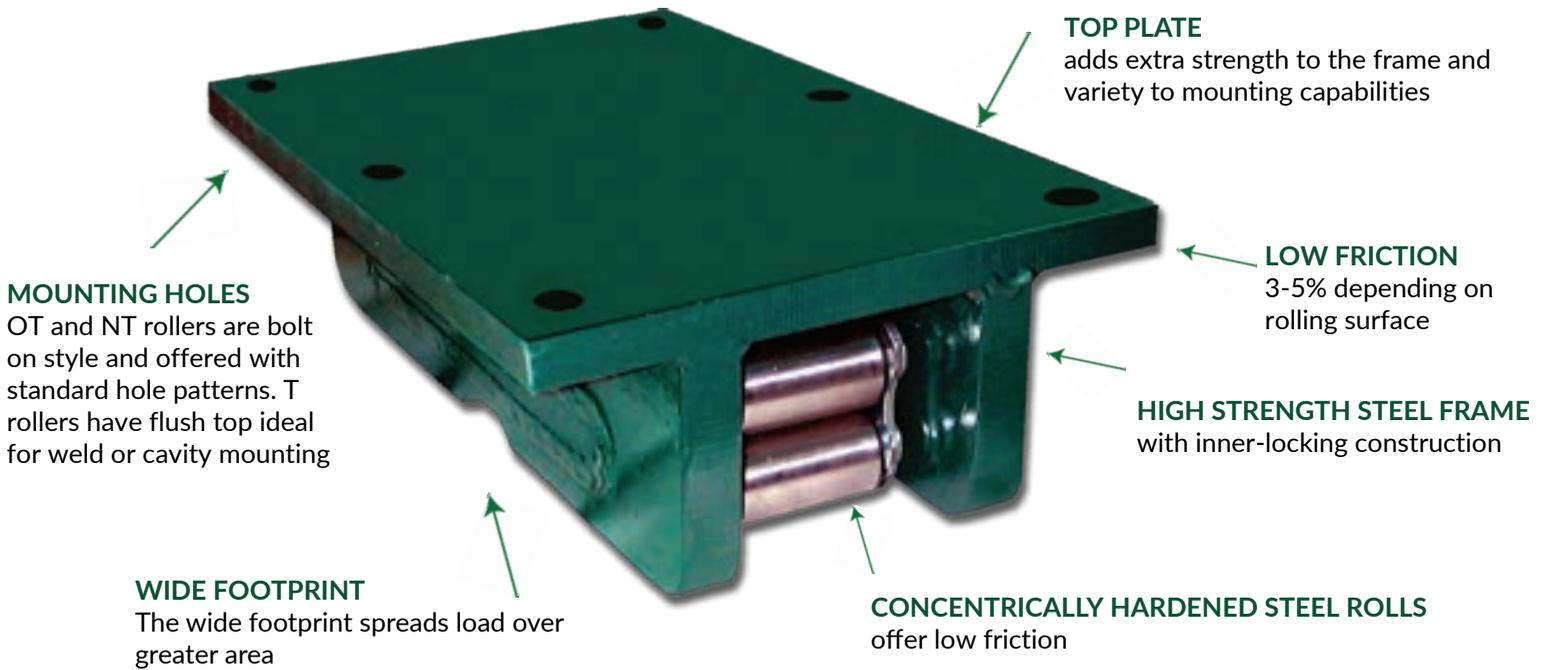


**NARROW TOP (NT)**  
overhang front to back



**FLUSH TOP (T)**  
add extra strength to the frame and offer a variety of mounting capabilities

## TOP STYLES



**EASILY MODIFIED**  
endless number of custom configurations





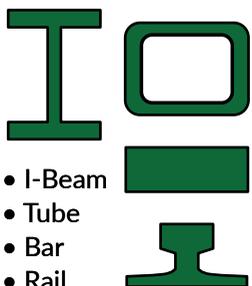
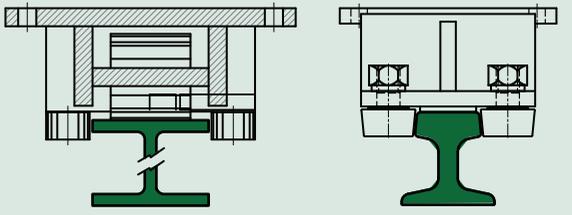
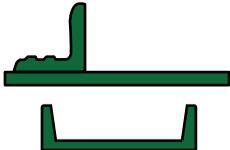
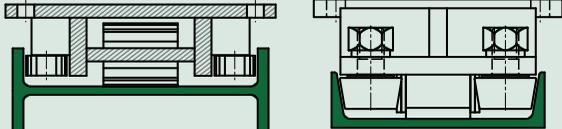
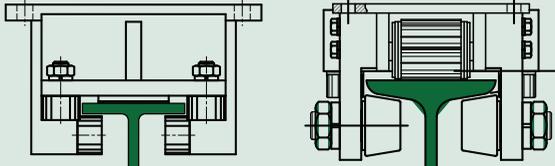
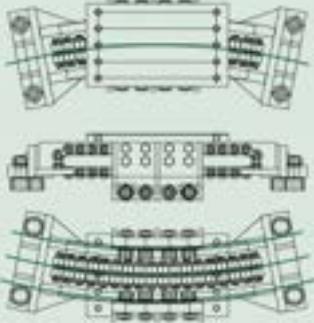


# ACCU-ROLL

Hilman's Accu-Roll Guidance System is a positive external alignment system. Most often used on OT/NT/T and SHD Series Hilman Rollers, Accu-Roll can be added to any Hilman Roller and custom designed to interface with almost any type of track. Common tracks are I-beams, wide-flanged beams, channels, rails, steel flat bars, tubes, and trenches. Accu-Roll Systems are an ideal solution where load alignment is critical, a close tolerance must be maintained, where load movement is repetitive, or where dynamic uplift prevention is desired.

Because there are virtually thousands of possibilities with regards to tracks, each Accu-Roll System is custom designed and built to fit the chosen track. Once the track size has been selected and the preferred width and depth locations for the Accu-Roll guides are known, drawings are prepared for customer approval.

Accu-Roll Systems may have one to four or more guide rolls per roller to guide on the track or to ensure that the rollers follow the intended path of travel. Typical roller lateral guides are designed to withstand a maximum of 15-20% of the vertical capacity as lateral roller on most roller sizes; higher and lower capacities can also be designed.

Track Type	Accu-Roll Type	Application Guidelines	
 <ul style="list-style-type: none"> <li>• I-Beam</li> <li>• Tube</li> <li>• Bar</li> <li>• Rail</li> </ul>	<p>Type R</p>  <p>STRAIGHT      ANGLE</p>	<ul style="list-style-type: none"> <li>• Most common system for guidance on OUTSIDE of track</li> <li>• Can consist of one to four Accu-Rolls, mounted to Roller</li> <li>• Ideal for any system, permanent or temporary</li> <li>• Flat bar mounted to factory floor provides low height, accessible rolling system with minimal floor surface obstacles</li> </ul>	 <p>Type R - Type U</p>
 <ul style="list-style-type: none"> <li>• Fabricated Track</li> <li>• Channel</li> </ul>	<p>Type C</p>  <p>STRAIGHT      ANGLE</p>	<ul style="list-style-type: none"> <li>• Common System for Guidance INSIDE a track or a track embedded in concrete floors</li> <li>• Can consist of one to four Accu-Rolls; two can be installed on one end or on one side, or in center of Roller frame side</li> <li>• Track can be standard channel, inside flanges of H-Beam, fabricated track from back-to-back angles, etc.</li> </ul>	 <p>Type C</p>
 <ul style="list-style-type: none"> <li>• Uplift</li> </ul>	<p>Type RU</p>  <p>STRAIGHT      ANGLE</p>	<ul style="list-style-type: none"> <li>• Most often added to Type R System</li> <li>• Can consist of one or more Accu-Rolls per side</li> <li>• Prevents UPLIFT in dynamic condition</li> <li>• Resistance against wind and buoyancy</li> <li>• Protection against overturning moment</li> <li>• Aids in moving top-heavy or eccentrically loaded equipment</li> </ul>	 <p>Type U</p>
 <ul style="list-style-type: none"> <li>• I-Beam</li> <li>• Rail</li> <li>• Bar</li> <li>• Any Radius Track</li> </ul>	<p>Type TR</p> 	<ul style="list-style-type: none"> <li>• Accu-Roll System for FIXED RADIUS TRACK Applications: turntables, revolving or rotation machinery, or equipment moving in fixed radius</li> <li>• Usually consists of three Accu-Rolls, two mounted on one side, with one in the center of opposite side</li> <li>• Roller chains are also modified to fit the required radius</li> <li>• Rollers of the 37.5 OT size and larger can track on diameters as tight as 8 feet (2.5 meters)</li> </ul>	 <p>Type TR</p>



# MODIFICATIONS

## TOP MODIFICATIONS

Modifications to the top plates of Hilman Roller can range greatly. Some relatively simple top modifications might be special drilled and trapped tapped hole patterns, connecting studs, or tops machined to close tolerances. Top clamps, hinged adaptations or container fittings can be added to the rollers, as well as other types of attachments, for the purpose of mounting to a specific type of footing or pad.



## CHAIN MODIFICATIONS

There are several different modifications that Hilman can do to the chains. Tapered roller chains allow Hilman Rollers to follow a fixed radius, while Keyway chains have an internal guidance feature to maximize chain life. In highly repetitive applications or where rollers encounter bursts of speed, the Keyway feature keeps the chain centered in the roller frame. Concave and Convex chain and frame solutions are also possible. Hilman can even design specially contoured chain where the rolls are machined to match the contour of crowned rails, ensuring sufficient contact area.



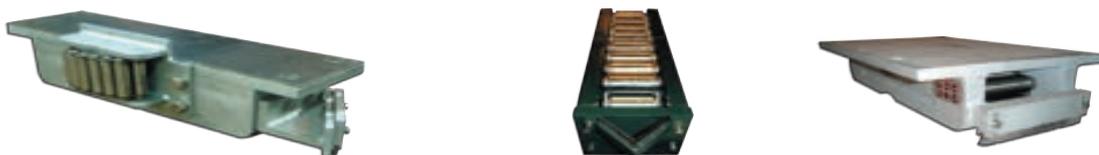
## FRAME MODIFICATIONS

Roller frames and tops can be modified in any number of ways to suit specific requirements. Special materials can be used for corrosive resistant or non-sparking applications. Mounting surfaces can have custom hole patterns or machined finishes.



## TRACK WIPER OR DIRT SHIELDS

Many wiper and shield styles can be added to Rollers to remove debris from the roller path, eliminating unnecessary wear and maintenance.



## SPECIAL MATERIAL & COATINGS

Many different alloys and coatings are available so that Hilman rollers meet the requirements of different applications. Alloys to resist varying levels of corrosion, high heat, and non-sparking conditions are just some of what is available for the chain assembly. Special coatings, paint finishes, galvanizing processes, or platings can be applied to help in a variety of environments. Hilman typically uses the highest grade alloys and stainless steels available to ensure that the rollers operate continuously in the manner intended.



# MODIFICATIONS

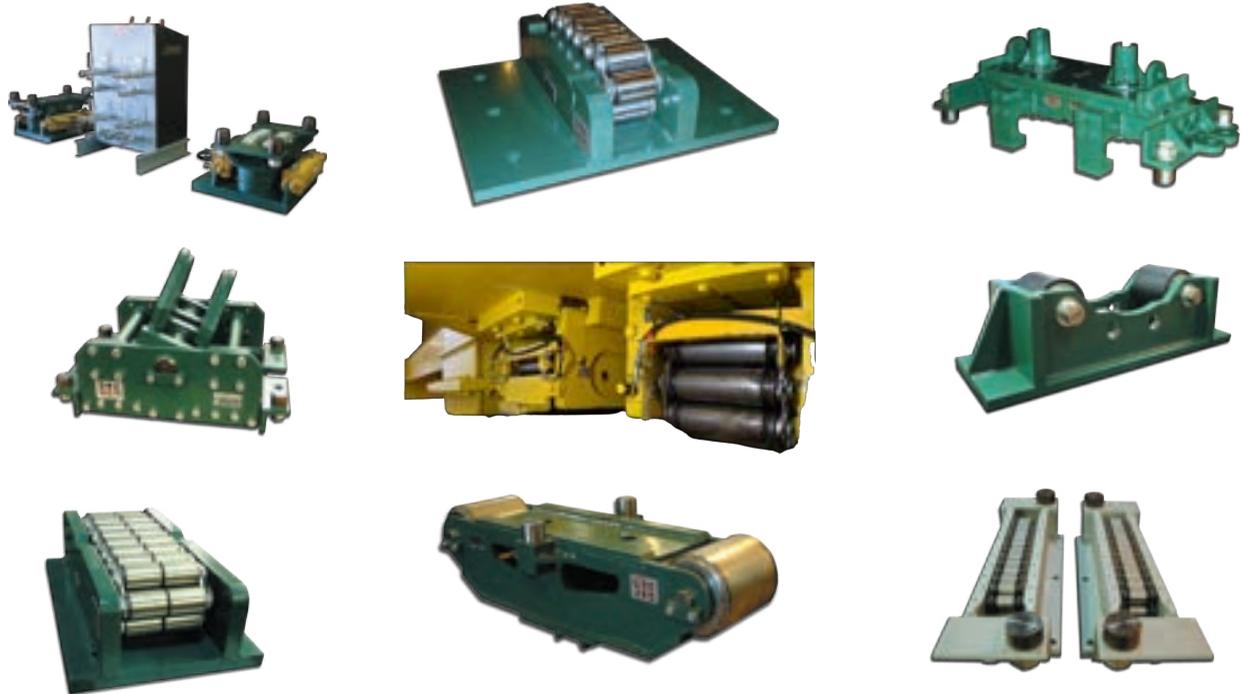
## SWIVEL RAM ROLLER

Hilman Swivel Ram Rollers provide a safe and cost-effective way to move heavy loads that need precise positioning and direction changes. With their dual roller chains and integrated lifting cylinder, these rollers allow loads to easily pivot 360 degrees, facilitating effortless maneuvering. They are versatile for various applications, and can be enhanced with Accu-Roll Guidance Systems for improved control on different track types



## OTHER MODIFICATIONS

Hilman's extensive experience in custom modifications of rollers and rolling systems design covers a broad spectrum of applications. Below are some of our more elaborate modifications.



## HYDRAULIC INTERGRATION

Hilman can integrate hydraulic cylinders, either as motive force or to lift a load for a specific reason; or both. Motive Force can be applied in any number of ways. Solid chain-drive systems and/or hydraulic push-pull cylinders are just a couple of the solutions that Hilman has supplied with complete control systems for easy user interface.



# TRACKMATE



# TRACK-MATE

Hilman TrackMate dollies are an excellent method for increasing productivity in assembly and manufacturing applications, where heavy loads are moved from station to station for various stages of build-up.

## TRACKMATE



Dual flanged, self-guiding Dolly that is ideal for frequent load moving in many assembly and production operations and suited for applications requiring repetitive straight-line load moves.

## LOW-PROFILE SELF-GUIDED

While the rolls carry the full load during movement, the dual flanges guide along the outer edges of a flat bar steel track to ensure proper alignment. Their low profile keeps the workplace safe and their low friction means a smoother move with less downtime.



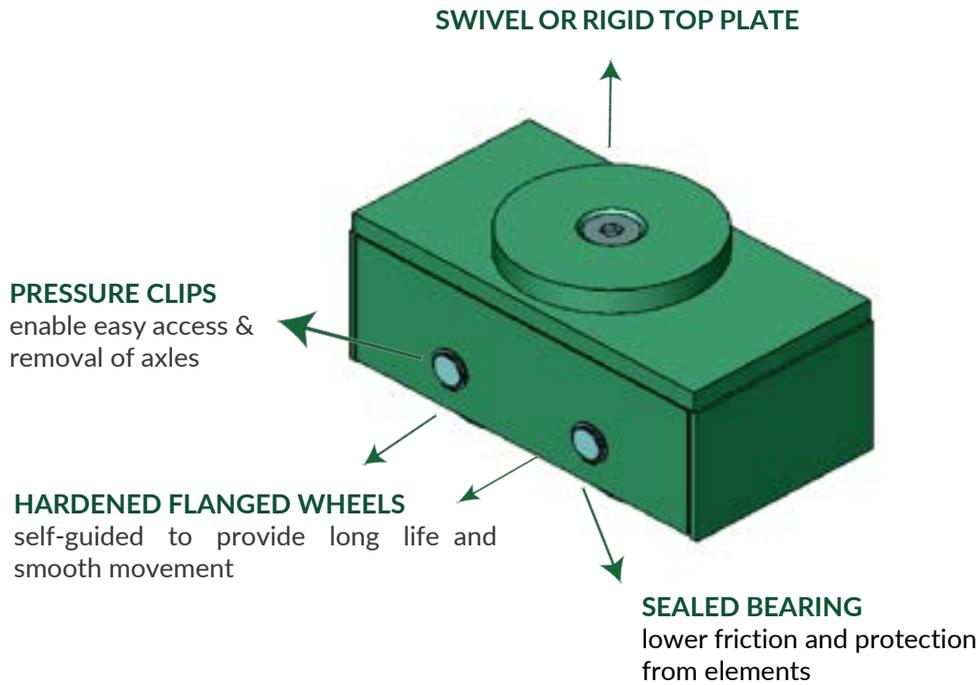
## ENDLESS MODIFICATIONS

Dollies can be easily modified in any number of ways, including custom tops for mounting/fastening to the load, brush-wiper systems to clear debris from the track, and custom shaped steel frames to suit your application requirements. Hilman can also design and supply the steel flat bar tracks and track-turntables in case you need to make a turn for a complete system. Turntables can be integrated directly into an assembly line track system, are utilized to accommodate 90-degree turns in the path of production and potentially divert a module to an additional set of workstations. Manual and automated turntables are both available design options.



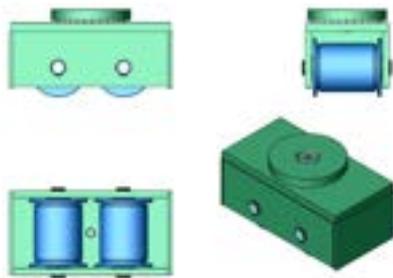
# TRACKMATE ADVANTAGES

With capacities up to 20-tons, standard TrackMate Dollies are offered in rectangular shape, with two types of tops: Swivel or Rigid.

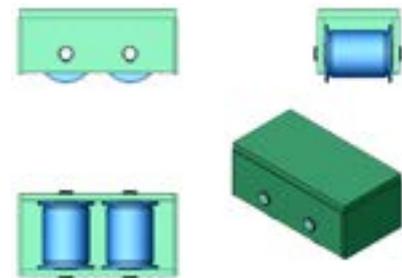


## SPECIFICATIONS

**TMS**



**TMR**



Swivel Style Product	Capacity	Height		Width		Length		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
2.5-TMS	2.5 tons	4.53	115	6.13	156	9.31	237	29	13
5-TMS	5 tons	6.32	161	6.13	156	11.81	300	63	29
10-TMS	10 tons	6.82	174	6.13	156	13.31	338	76	34
20-TMS	20 tons	7.69	196	6.63	168	15.56	395	119	54

Rigid Style Product	Capacity	Height		Width		Length		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
2.5-TMR	2.5 tons	3.60	92	6.13	156	9.31	237	28	13
5-TMR	5 tons	5.38	137	6.13	156	11.81	300	57	26
10-TMR	10 tons	5.88	150	6.13	156	13.31	338	70	32
20-TMR	20 tons	6.75	172	6.63	168	15.56	395	113	51

# BULL DOLLY



# BULL DOLLY

The Hilman Bull Dolly Series is a lightweight, cost effective solution for moving heavy equipment such as large safes, chillers, condensers, other machinery, and non-marking for delicate floors.

## 1-6 TONS



Lightweight, Cost Effective - offers different wheel options to protect floors and a variety of top styles for straight moving or turning.

## 9-18 TONS



Higher Capacity, Large Footprint - allows user to spread the load over greater area, up to 18 tons!

## 4-72 TON KITS



Prepackaged Kits - come equipped with everything needed to move heavy equipment with ease!

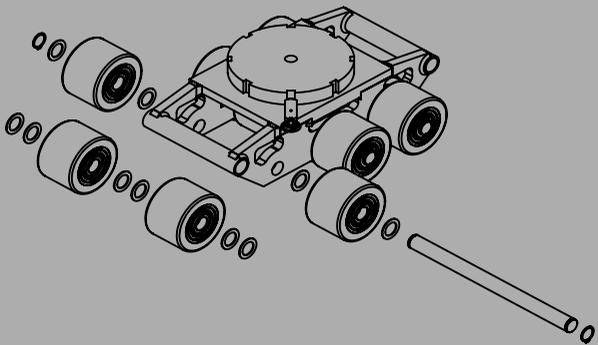


## FLOOR PROTECTION

Polyurethane and Nylon wheel options are non-marking and can be used on a variety of floor surfaces.

## MAINTENANCE FRIENDLY

Our dollies have very few moving parts minimizing maintenance requirements.



## EASY TO MANEUVER

Bull Dollies are ideal for positioning and moving heavy loads either in a straight line or where turns are needed.



# ADVANTAGES

All tops are swivel locking and can be used in the swivel or rigid mode.



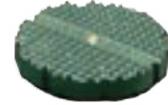
### SMOOTH STEEL TOPS (S)

ideal for weld-mounting the rollers to equipment or as a base unit for a variety of top modifications.



### PADDED STEEL TOPS (P)

allow some compression and provide a non-slip surface for moving on less than perfect floors.



### DIAMOND STEEL TOP (D)

spike-like steel grid able to grip into wood and provide a secure move for crated or palletized equipment.

## VERSATILE TOP PLATES



LOW PROFILE

### LOCK

enables the units to be used as swivel or rigid top dollies

### MAINTENANCE FRIENDLY

wheel & axle design has very few moving parts for easy maintenance



### LARGE FOOTPRINT

to spread the load over greater area

## WHEEL OPTIONS

### NYLON WHEELS

for good floor protection and favorable wear. They will not "set" if left under load (static) for a period of time



### POLY WHEELS

are a softer wheel that provide excellent floor protection on tile floors



### STEEL WHEELS

provide the best wear characteristics and are great for durable floors



### STEERING HANDLES



**HANDLE & ALIGNMENT BAR** for high capacity bull dollies, 1in alignment bar.



# KITS

Lightweight, Cost Effective – easy to maneuver heavy equipment such as transformers, chillers, condensers and machinery.

## KBSP-24P



## KBSS-12S



## KBSD-4N



Hilman Part #	Kit Capacity	Dolly Capacity	Top Style Description	Roller Material	Kits Include	Weight	
						(lb)	(kg)
KBSP-4N	4 ton	1 ton	Swivel Padded	Nylon	(4) BSP-1N Dollies, (2) Handles	85	39
KBSP-4P	4 ton	1 ton	Swivel Padded	Polyurethane	(4) BSP-1P Dollies, (2) Handles	85	39
KBSP-4S	4 ton	1 ton	Swivel Padded	Steel	(4) BSP-1S Dollies, (2) Handles	85	39
KBSD-4N	4 ton	1 ton	Swivel Diamond	Nylon	(4) BSD-1N Dollies, (2) Handles, (4) Pre-load pads	83	38
KBSD-4P	4 ton	1 ton	Swivel Diamond	Polyurethane	(4) BSD-1P Dollies, (2) Handles, (4) Pre-load pads	83	38
KBSD-4S	4 ton	1 ton	Swivel Diamond	Steel	(4) BSD-1S Dollies, (2) Handles, (4) Pre-load pads	83	38
KBSP-12N	12 ton	3 ton	Swivel Padded	Nylon	(4) BSP-3N Dollies, (2) Handles	100	45
KBSP-12P	12 ton	3 ton	Swivel Padded	Polyurethane	(4) BSP-3P Dollies, (2) Handles	100	45
KBSP-12S	12 ton	3 ton	Swivel Padded	Steel	(4) BSP-3S Dollies, (2) Handles	100	45
KBSD-12N	12 ton	3 ton	Swivel Diamond	Nylon	(4) BSD-3N Dollies, (2) Handles, (4) Pre-load pads	102	46
KBSD-12P	12 ton	3 ton	Swivel Diamond	Polyurethane	(4) BSD-3P Dollies, (2) Handles, (4) Pre-load pads	102	46
KBSD-12S	12 ton	3 ton	Swivel Diamond	Steel	(4) BSD-3S Dollies, (2) Handles, (4) Pre-load pads	102	46
KBSS-12N	12 ton	3 ton	Swivel Smooth	Nylon	(4) BSS-3N Dollies, (2) Handles	102	46
KBSS-12P	12 ton	3 ton	Swivel Smooth	Polyurethane	(4) BSS-3P Dollies, (2) Handles	102	46
KBSS-12S	12 ton	3 ton	Swivel Smooth	Steel	(4) BSS-3S Dollies, (2) Handles	102	46
KBSP-24N	24 ton	6 ton	Swivel Padded	Nylon	(4) BSP-6N Dollies, (2) Handles	216	98
KBSP-24P	24 ton	6 ton	Swivel Padded	Polyurethane	(4) BSP-6P Dollies, (2) Handles	216	98
KBSP-24S	24 ton	6 ton	Swivel Padded	Steel	(4) BSP-6S Dollies, (2) Handles	216	98
KBSD-24N	24 ton	6 ton	Swivel Diamond	Nylon	(4) BSD-6N Dollies, (2) Handles, (4) Pre-load pads	216	98
KBSD-24P	24 ton	6 ton	Swivel Diamond	Polyurethane	(4) BSD-6P Dollies, (2) Handles, (4) Pre-load pads	216	98
KBSD-24S	24 ton	6 ton	Swivel Diamond	Steel	(4) BSD-6S Dollies, (2) Handles, (4) Pre-load pads	216	98
KBSS-24N	24 ton	6 ton	Swivel Smooth	Nylon	(4) BSS-6N Dollies, (2) Handles	213	97
KBSS-24P	24 ton	6 ton	Swivel Smooth	Polyurethane	(4) BSS-6P Dollies, (2) Handles	213	97
KBSS-24S	24 ton	6 ton	Swivel Smooth	Steel	(4) BSS-6S Dollies, (2) Handles	213	97

All Kits 4 to 12 tons include - Steel Case Kit Box BDS1-KB: 18 13/16" (478mm) x 14.25" (362mm) x 5.94" (151mm)

All Kits 24 tons include - Steel Case Kit Box BDS1-KB2: 25 3/16" (640mm) x 10.30" (262mm) x 14" (356mm)



# INDIVIDUAL

Bull Dollies are ideal for positioning and moving heavy loads either in a straight line or where turns are needed. Offers different wheel options to protect floors and a variety of top styles for straight moving or turning.

## SWIVEL DIAMOND



## SWIVEL PADDED



## SWIVEL SMOOTH



Hilman Part #	Roller Capacity	Top Style Description	Roller Material	Height		Width		Length		Weight	
				(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
BSD-1N	1 ton	Swivel Diamond	Nylon	4.43	113	4.43	113	6.5	165	11	5
BSD-1P	1 ton	Swivel Diamond	Polyurethane	4.43	113	4.43	113	6.5	165	11	5
BSD-1S	1 ton	Swivel Diamond	Steel	4.43	113	4.43	113	6.5	165	11	5
BSD-3N	3 ton	Swivel Diamond	Nylon	4.79	122	5.23	133	8	203	16	7
BSD-3P	3 ton	Swivel Diamond	Polyurethane	4.79	122	5.23	133	8	203	16	7
BSD-3S	3 ton	Swivel Diamond	Steel	4.79	122	5.23	133	8	203	16	7
BSD-6N	6 ton	Swivel Diamond	Nylon	5.1	129	10	254	11	279	39	18
BSD-6P	6 ton	Swivel Diamond	Polyurethane	5.1	129	10	254	11	279	39	18
BSD-6S	6 ton	Swivel Diamond	Steel	5.1	129	10	254	11	279	39	18
BSP-1N	1 ton	Swivel Padded	Nylon	4.99	127	4.43	113	6.5	165	12	5
BSP-1P	1 ton	Swivel Padded	Polyurethane	4.99	127	4.43	113	6.5	165	12	5
BSP-1S	1 ton	Swivel Padded	Steel	4.99	127	4.43	113	6.5	165	12	5
BSP-3N	3 ton	Swivel Padded	Nylon	5.35	136	5.23	133	8	203	15	7
BSP-3P	3 ton	Swivel Padded	Polyurethane	5.35	136	5.23	133	8	203	15	7
BSP-3S	3 ton	Swivel Padded	Steel	5.35	136	5.23	133	8	203	15	7
BSP-6N	6 ton	Swivel Padded	Nylon	6.6	142	10	254	11	279	39	18
BSP-6P	6 ton	Swivel Padded	Polyurethane	6.6	142	10	254	11	279	39	18
BSP-6S	6 ton	Swivel Padded	Steel	6.6	142	10	254	11	279	39	18
BSS-3N	3 ton	Swivel Smooth	Nylon	4.79	122	5.23	133	8	203	16	7
BSS-3P	3 ton	Swivel Smooth	Polyurethane	4.79	122	5.23	133	8	203	16	7
BSS-3S	3 ton	Swivel Smooth	Steel	4.79	122	5.23	133	8	203	16	7
BSS-6N	6 ton	Swivel Smooth	Nylon	4.85	123	10	254	11	279	38	17
BSS-6P	6 ton	Swivel Smooth	Polyurethane	4.85	123	10	254	11	279	38	17
BSS-6S	6 ton	Swivel Smooth	Steel	4.85	123	10	254	11	279	38	17

All tops are swivel locking.



# HIGH CAPACITY

The 9, 12 and 18 ton models have a larger footprint to spread the weight of the load over greater area. Our larger dollies also feature a multi-functional carrying handle that can not only be used to position the unit, but can also fit an optional standard 1 inch alignment bar to stabilize heavy loads.

## INDIVIDUAL



Hilman Part #	Roller Capacity	Top Style Description	Roller Material	Height		Width		Length	
				(in)	(mm)	(in)	(mm)	(in)	(mm)
BSS-9P	9 ton	Swivel Smooth	Polyurethane	6.86	174	8.125	206	18.32	465
BSP-9P	9 ton	Swivel Padded	Polyurethane	7.86	199	8.125	206	18.32	465
BSD-9P	9 ton	Swivel Diamond	Polyurethane	6.98	177	8.125	206	18.32	465
BSS-12P	12 ton	Swivel Smooth	Polyurethane	6.86	174	14.18750	360	18.32	465
BSP-12P	12 ton	Swivel Padded	Polyurethane	7.86	199	14.18750	360	18.32	465
BSD-12P	12 ton	Swivel Diamond	Polyurethane	6.98	177	14.18750	360	18.32	465
BSS-18P	18 ton	Swivel Smooth	Polyurethane	6.86	174	14.18750	360	18.32	465
BSP-18P	18 ton	Swivel Padded	Polyurethane	7.86	199	14.18750	360	18.32	465
BSD-18P	18 ton	Swivel Diamond	Polyurethane	6.98	177	14.18750	360	18.32	465
BSS-9N	9 ton	Swivel Smooth	Nylon	6.86	174	8.125	206	18.32	465
BSP-9N	9 ton	Swivel Padded	Nylon	7.86	199	8.125	206	18.32	465
BSD-9N	9 ton	Swivel Diamond	Nylon	6.98	177	8.125	206	18.32	465
BSS-12N	12 ton	Swivel Smooth	Nylon	6.86	174	14.18750	360	18.32	465
BSP-12N	12 ton	Swivel Padded	Nylon	7.86	199	14.18750	360	18.32	465
BSD-12N	12 ton	Swivel Diamond	Nylon	6.98	177	14.18750	360	18.32	465
BSS-18N	18 ton	Swivel Smooth	Nylon	6.86	174	14.18750	360	18.32	465
BSP-18N	18 ton	Swivel Padded	Nylon	7.86	199	14.18750	360	18.32	465
BSD-18N	18 ton	Swivel Diamond	Nylon	6.98	177	14.18750	360	18.32	465

## SETS



Hilman Part #	Set Capacity	Dolly Capacity	Top Style Description	Roller Material	Set Includes	Weight	
						(lb)	(kg)
RS-BSP-36P	36 ton	9 ton	Swivel Padded	Polyurethane	(4) BSP-9P Dollies, (2) Handles	409	181
RS-BSP-48P	48 ton	12 ton	Swivel Padded	Polyurethane	(4) BSP-12P Dollies, (2) Handles	443	200
RS-BSP-72P	72 ton	18 ton	Swivel Padded	Polyurethane	(4) BSP-18P Dollies, (2) Handles	517	234
RS-BSD-36P	36 ton	9 ton	Swivel Diamond	Polyurethane	(4) BSD-9P Dollies, (2) Handles	401	181
RS-BSD-48P	48 ton	12 ton	Swivel Diamond	Polyurethane	(4) BSD-12P Dollies, (2) Handles	435	197
RS-BSD-72P	72 ton	18 ton	Swivel Diamond	Polyurethane	(4) BSD-18P Dollies, (2) Handles	509	230
RS-BSP-36N	36 ton	9 ton	Swivel Padded	Nylon	(4) BSP-9N Dollies, (2) Handles	372	168
RS-BSP-48N	48 ton	12 ton	Swivel Padded	Nylon	(4) BSP-12N Dollies, (2) Handles	395	179
RS-BSP-72N	72 ton	18 ton	Swivel Padded	Nylon	(4) BSP-18N Dollies, (2) Handles	445	201
RS-BSD-36N	36 ton	9 ton	Swivel Diamond	Nylon	(4) BSD-9N Dollies, (2) Handles	364	165
RS-BSD-48N	48 ton	12 ton	Swivel Diamond	Nylon	(4) BSD-12N Dollies, (2) Handles	386	175
RS-BSD-72N	72 ton	18 ton	Swivel Diamond	Nylon	(4) BSD-18N Dollies, (2) Handles	436	197

All sets include: (4) dollies and (2) handles



# MODIFIED

Bull Dollies can be modified in a number of ways to meet specific project needs. From frame size to wheel elevation, Hilman can make a complete solution for you.

**WIPERS & BRUSHES**



**FRAMES & HOLE PATTERNS**



**ACCU-ROLL GUIDANCE**



**HYDRAULIC CYLINDERS**



**SPECIAL TOPS**



**ROCKER TOPS**



**HILMAN HAS A SOLUTION FOR YOU!**

# TRI-GLIDE



# TRI-GLIDE

## 3-POINT MOVING SYSTEM

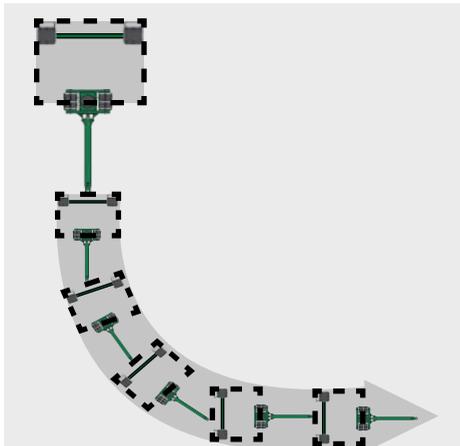
Offers a stable configuration, ensuring that all skates are taking load the during the move.



Using Center of Gravity, the front unit is placed under the load.



Placing the dollies where support is needed ensures the rear dollies will be kept parallel in order to track properly when moving.

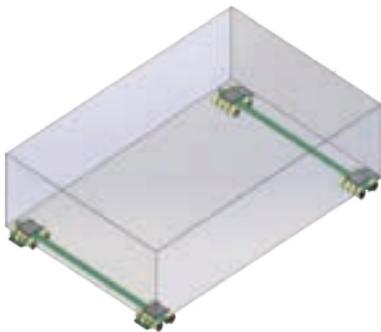


As the load is steered with the front unit, the rear dollies will follow, providing the user with a wide range of mobility.

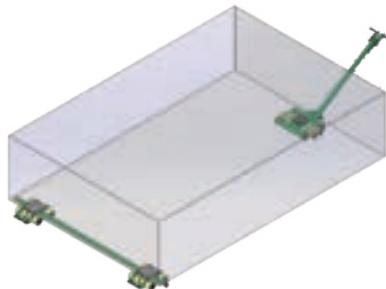
## CONFIGURATIONS

The Hilman Tri-Glide System offers articulation in both the front and rear units and can be combined and configured to further stabilize bulky loads.

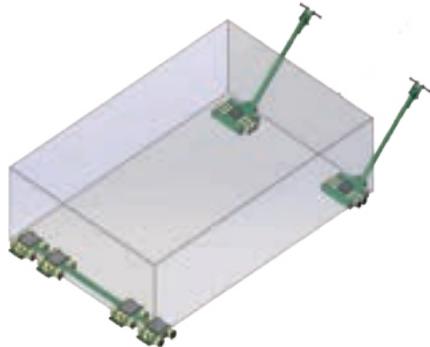
4-Point Moving Solution  
Two Rear Units with Spreader Bars



3-Point Moving Solution  
One Front Unit  
One Rear Unit with Spreader Bar



4-Point Moving Solution  
Two Front Units  
One Rear Unit with Spreader Bar

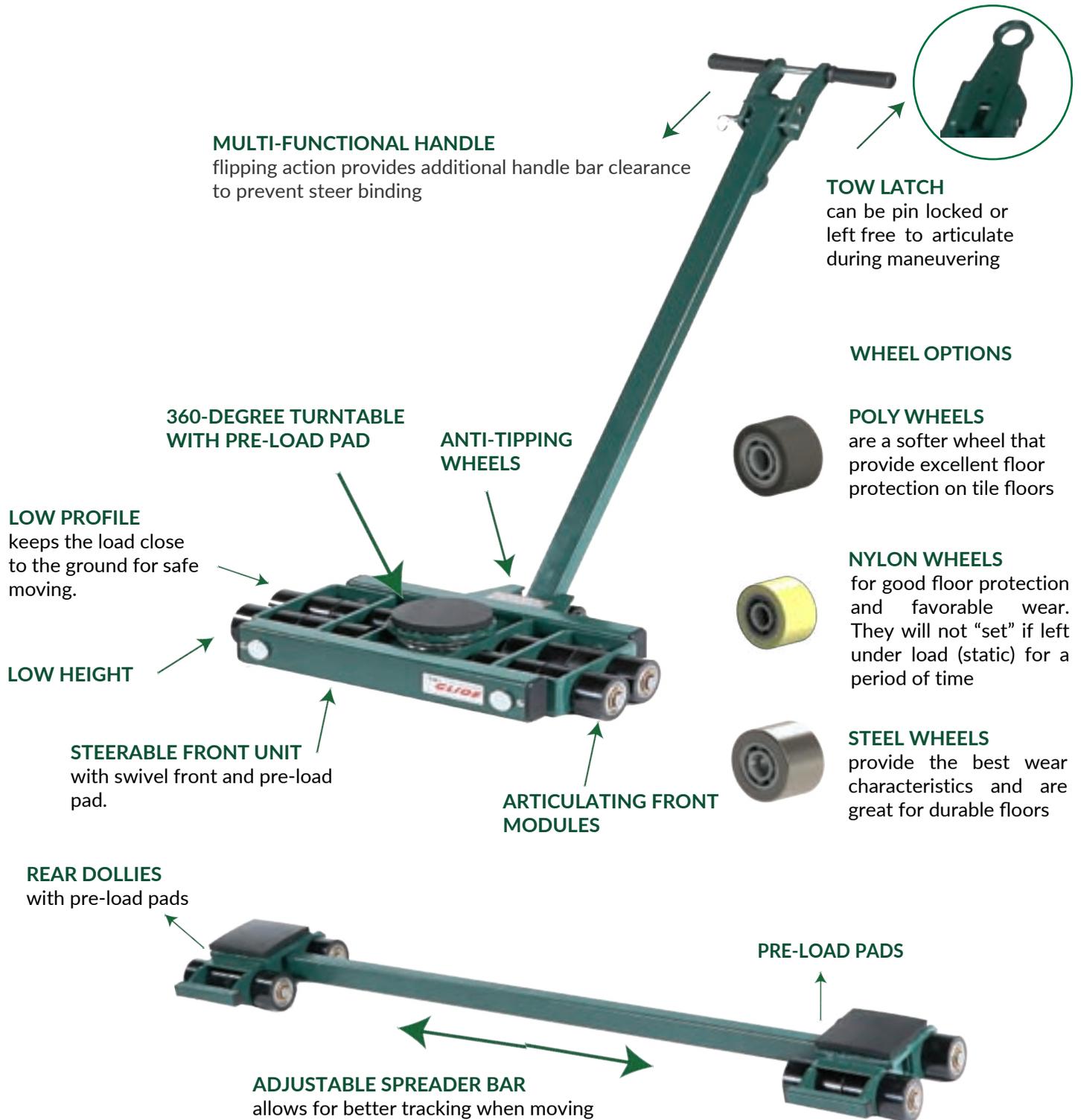


*Images are for representation purposes only. Actual product configuration and support points will differ based on the load.*



# ADVANTAGES

The Hilman Tri-Glide provides a stable, efficient solution for moving heavy loads, and is designed with a large footprint to spread the weight of the load over a greater area. Our Polyurethane and Nylon wheels offer floor protection suited for a variety of floor surfaces.



### MULTI-FUNCTIONAL HANDLE

flipping action provides additional handle bar clearance to prevent steer binding

### TOW LATCH

can be pin locked or left free to articulate during maneuvering

### 360-DEGREE TURNTABLE WITH PRE-LOAD PAD

### ANTI-TIPPING WHEELS

### LOW PROFILE

keeps the load close to the ground for safe moving.

### LOW HEIGHT

### STEERABLE FRONT UNIT

with swivel front and pre-load pad.

### ARTICULATING FRONT MODULES

### WHEEL OPTIONS

#### POLY WHEELS

are a softer wheel that provide excellent floor protection on tile floors

#### NYLON WHEELS

for good floor protection and favorable wear. They will not "set" if left under load (static) for a period of time

#### STEEL WHEELS

provide the best wear characteristics and are great for durable floors

### REAR DOLLIES

with pre-load pads

### PRE-LOAD PADS

### ADJUSTABLE SPREADER BAR

allows for better tracking when moving



# 10, 15 & 20 TON

Hilman Tri-Glide components can be purchased individually to accommodate user preference. All units come with pre-load pads for the front unit and rear dollies.

## KTG-10P



## KTG-15P



## KTG-20P



## KITS

Hilman Part #	Capacity	Wheel Type	Wheel Count	Height (w/pad)		Height (w/o pad)		Weight (lb)	Handle Length		Alignment Bar	
				(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)
KTG-10N	10 ton	Nylon	8/8	4.5	114	4	102	155	49.5	1257	60	1524
KTG-10P	10 ton	Polyurethane	8/8	4.5	114	4	102	161	49.5	1257	60	1524
KTG-10S	10 ton	Steel	8/8	4.5	114	4	102	193	49.5	1257	60	1524
KTG-15N	15 ton	Nylon	12/12	4.5	114	4	102	168	49.5	1257	60	1524
KTG-15P	15 ton	Polyurethane	12/12	4.5	114	4	102	181	49.5	1257	60	1524
KTG-15S	15 ton	Steel	12/12	4.5	114	4	102	236	49.5	1257	60	1524
KTG-20N	20 ton	Nylon	16/16	4.5	114	4	102	184	49.5	1257	60	1524
KTG-20P	20 ton	Polyurethane	16/16	4.5	114	4	102	198	49.5	1257	60	1524
KTG-20S	20 ton	Steel	16/16	4.5	114	4	102	260	49.5	1257	60	1524

All kits include: (1) Front Unit with Handle and (2) Rear Dollies with a Spreader Bar

## INDIVIDUAL FRONT

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-F5N	5 ton	Front	17.875	4.5	114	4	102	∅3.13	79	Nylon	96
TG-F5P	5 ton	Front	17.875	4.5	114	4	102	∅3.13	79	Poly	99
TG-F5S	5 ton	Front	17.875	4.5	114	4	102	∅3.13	79	Steel	115
TG-F7.5N	7.5 ton	Front	22.6875	4.5	114	4	102	∅3.13	79	Nylon	106
TG-F7.5P	7.5 ton	Front	22.6875	4.5	114	4	102	∅3.13	79	Poly	113
TG-F7.5S	7.5 ton	Front	22.6875	4.5	114	4	102	∅3.13	79	Steel	145
TG-F10N	10 ton	Front	26.6875	4.5	114	4	102	∅3.13	79	Nylon	113
TG-F10P	10 ton	Front	26.6875	4.5	114	4	102	∅3.13	79	Poly	120
TG-F10S	10 ton	Front	26.6875	4.5	114	4	102	∅3.13	79	Steel	151

Includes: (1) Front Unit with a Multi-functional Handle for pulling or towing

## INDIVIDUAL REAR

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-R5N	5 ton	Rear	6.25	4.5	114	4	102	∅3.13	79	Nylon	59
TG-R5P	5 ton	Rear	6.25	4.5	114	4	102	∅3.13	79	Poly	62
TG-R5S	5 ton	Rear	6.25	4.5	114	4	102	∅3.13	79	Steel	78
TG-R7.5N	7.5 ton	Rear	7.6875	4.5	114	4	102	∅3.13	79	Nylon	62
TG-R7.5P	7.5 ton	Rear	7.6875	4.5	114	4	102	∅3.13	79	Poly	68
TG-R7.5S	7.5 ton	Rear	7.6875	4.5	114	4	102	∅3.13	79	Steel	91
TG-R10N	10 ton	Rear	9.6875	4.5	114	4	102	∅3.13	79	Nylon	71
TG-R10P	10 ton	Rear	9.6875	4.5	114	4	102	∅3.13	79	Poly	78
TG-R10S	10 ton	Rear	9.6875	4.5	114	4	102	∅3.13	79	Steel	109

Includes: (2) Rear Dollies with a Spreader Bar



# 24-80 TONS

## KITG-24P



## KITG-40P



### KITS

Hilman Part #	Capacity	Wheel Type	Wheel Count	Height (w/pad)		Height (w/o pad)		Weight (lb.)	Handle Length		Alignment Bar	
				(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)
KTG-24P	24 ton	Polyurethane	8/8	5.75	146	5.25	133	361	43.75	1162	72	1829
KTG-40P	40 ton	Polyurethane	16/16	5.75	146	5.25	133	442	43.75	1162	72	1829

All kits include: (1) Front Unit with Handle and (2) Rear Dollies with a Spreader Bar

## INDIVIDUAL FRONT

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-F12P	12 ton	Front	26.875	5.75	146	5.25	133	ø4.25	108	Poly	253
TG-F20P	20 ton	Front	39.1875	5.75	146	5.25	133	ø4.25	108	Poly	291

Includes: (1) Front Unit with a Tow Handle

## INDIVIDUAL REAR

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-R12P	12 ton	Rear	8.25	5.75	146	5.25	133	ø4.25	108	Poly	131
TG-R20P	20 ton	Rear	14.1875	5.75	146	5.25	133	ø4.25	108	Poly	162

Includes: (2) Rear Dollies with a Spreader Bar

## KITG-60P



## KITG-80P



### KITS

Hilman Part #	Capacity	Wheel Type	Wheel Count	Height (w/pad)		Height (w/o pad)		Weight (lb.)	Handle Length		Alignment Bar	
				(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)
KTG-60P	60 ton	Polyurethane	24/24	7.75	197	7.00	178	981	45.125	1146	96	2438
KTG-80P	80 ton	Polyurethane	32/32	7.75	197	7.00	178	1095	45.125	1146	96	2438

All kits include: (1) Front Unit with Toe Handle and (2) Rear Dollies with a Spreader Bar

## INDIVIDUAL FRONT

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-F30P	30 ton	Front	48.0625	7.75	197	7.00	178	ø5.51	140	Poly	603
TG-F40P	40 ton	Front	56.0625	7.75	197	7.00	178	ø5.51	140	Poly	667

Includes: (1) Front Unit with a Tow Handle

## INDIVIDUAL REAR

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-R30P	30 ton	Rear	17.25	7.75	197	7.00	178	ø5.51	140	Poly	378
TG-R40P	40 ton	Rear	21.0625	7.75	197	7.00	178	ø5.51	140	Poly	428

Includes: (2) Rear Dollies with a Spreader Bar  
Higher Tonnage available on request.



# 120-160 TONS

## KTG-120P



## KTG-160P



## KITS

Hilman Part #	Capacity	Wheel Type	Wheel Count	Height (w/pad)		Height (w/o pad)		Weight (lb.)	Handle Length		Alignment Bar	
				(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)
KTG-120P	120 ton	Polyurethane	12/12	11	279	10	254	2175	58 1/4	1480	192 1/4	4883
KTG-160P	160 ton	Polyurethane	16/16	11	279	10	254	2779	58 1/4	1480	192 1/4	4883

All kits include: (1) Front Unit with Toe Handle and (2) Rear Dollies with a Spreader Bar

## INDIVIDUAL FRONT

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-F60P	60 ton	Front	32 1/4	11	279	10	254	ø8.00	203	Poly	1222
TG-F80P	80 ton	Front	32 1/4	11	279	10	254	ø8.00	203	Poly	1525

Includes: (1) Front Unit with a Tow Handle

## INDIVIDUAL REAR

Hilman Part #	Capacity	Type	Width (in)	Height (w/pad)		Height (w/o pad)		Wheel Size		Roller Type	Weight (lb)
				(in)	(mm)	(in)	(mm)	(in)	(mm)		
TG-R60P	60 ton	Rear	15 1/4	11	279	10	254	ø8.00	203	Poly	953
TG-R80P	80 ton	Rear	20 1/2	11	279	10	254	ø8.00	203	Poly	1254

Includes: (2) Rear Dollies with a Spreader Bar



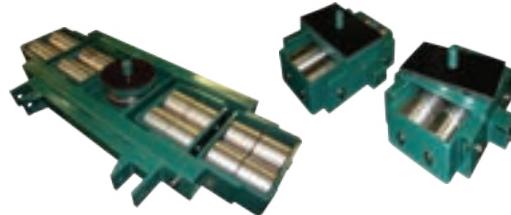
# MODIFIED

The Hilman Tri-Glide can be modified in a number of ways to accommodate your specific application requirements. Custom turntables and special hole patterns on the contact points are just a couple of examples where users have made the Hilman Tri-Glide System a perfect fit. Hilman also manufactures completely custom Tri-Glide Solutions to meet specific performance requirements.

### SWIVEL LOCKING TOPS



### LOCATOR PINS FOR REAR DOLLIES



### SPECIAL CONFIGURATIONS



### CUSTOM ATTACHMENTS



### CARTS



### HYDRAULIC CYLINDERS



# OMNI-SKATE



# OMNI-SKATE

The Hilman OMNI-SKATE is a multi-directional load skate capable of traveling in any direction and rotating on axis. Designed, engineered, and manufactured in the USA, the OMNI-SKATE optimizes your move while being the most reliable and rugged solution in the industry.

**3, 6, 8 & 10 TONS**



Omni-Skates - 360-Degree Maneuverability  
- Move heavy loads in tight spaces and around sharp corners in any direction.

**LIFT**



**SET**



**ROLL**



**ANY  
DIRECTION**



# FEATURES

The Hilman OMNI-SKATE is available in capacities of 3, 6, 8, and 10 tons. They can also be combined into sets of 4 for capacities up to 40 tons!



**OMNI-DIRECTIONAL MANEUVERABILITY**

**SECURED PADDED TOP**  
screwed-on load pad that won't come loose and can't be replaced in the field

**TOP PLATE HOLE**  
put a pin or bolt through to affix the dolly

**STABILIZER BAR (OPTIONAL)**  
stabilize the 2 rear skates in a conventional 3 point machinery moving application

**LOW PROFILE, LOW HEIGHT**

**MULTI-WHEEL MODULES**  
three wheels per module to optimize turning

**WIDE SLOTS**  
wide slots for strapping skates to the load

**360-DEGREE ROTATION**  
each module is capable of 360-degree rotation

**NON-MARKING NYLON WHEELS**  
poly and steel upon request

**STEERING HANDLE**  
optional pulling handle available

**BEARINGS**  
one thrust and two axial bearings per foot to ease change of direction

**HIGH CAPACITY RUGGED FRAME**



# SPECIFICATIONS

## OMNI-3



## OMNI-6



## OMNI-8



## OMNI-10



Hilman Part #	Capacity (tons)	Height		Width		Length		Weight		Wheel Type	# of Wheels	Wheel Diameter	Pad Diameter
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)				
OMNI-3	3	4.63	117.6	18.937	481	22.562	573.075	68	31	Nylon	6	ø3.13	ø8
OMNI-6	6	4.63	117.6	24.125	612.775	30.125	765.175	111	50	Nylon	9	ø3.14	ø8
OMNI-8	8	4.63	117.6	22.9375	582.613	31.375	796.925	139	63	Nylon	12	ø3.15	ø8
OMNI-10	10	4.63	117.6	31.4375	798.513	38.75	984.25	185	84	Nylon	13	ø3.16	ø8

## ALIGNMENT BAR AND STEERING HANDLE

Hilman Part #	Diameter	Length		Weight	
		(in)	(mm)	(lb)	(kg)
KD-BAR-ALGN-2X60	ø1.315	121 3/8	3082.92	21.8	9.888314

Hilman Part #	Width		Length	
	(in)	(mm)	(in)	(mm)
HANDLE-OMNI	13 1/2	342.9	43 1/2	1104.9



ALIGNMENT BAR WITH COUPLING

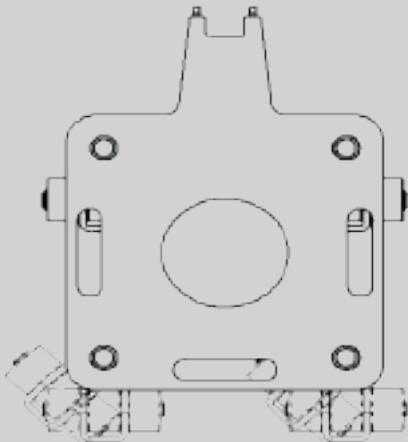


HANDLE



# OMNI-SKATE

The Hilman Omni-Skate provides a stable, efficient solution for moving heavy loads.



## 360-DEGREE ROTATION



## ALIGNMENT BAR

Combine dollies into pairs using an adjustable alignment bar.



## CONFIGURATIONS

Our dollies can be configured in a number of ways including attaching them to the PowerAttack or using them in conjunction with our TK-EVO or Traksporter.

*Images are for representation purposes only. Actual product may differ.*



# TOE JACKS



# TOE JACKS

## TOE JACK PRO



**LOW GROUND CLEARANCE -**  
Reliable manual jacks offers a low clearance of just 1", with a capacity of 100% on top and 80% on the toe. It can be operated both vertically and horizontally.

## TOE JACK DELUXE



**HIGH QUALITY LIFTING TOE -**  
Hilman Deluxe Jacks feature a high quality lifting toe that can be adjusted to several heights to accommodate different lift points.

## DELUXE JACKING KIT



**HYDRAULIC PUMP -**  
Our quality Toe Jack Kits include hydraulic pumps and have everything you need to lift equipment safely and efficiently.

**EASY LIFTING!  
USE MANUALLY OR CONNECT TO PUMP!**



# TOE JACK PRO

## FASTER LIFT

Our Toe Jack Pro gets 20% more distance per stroke!

## EASY OPERATION

Our 5 & 10 models can operate both vertically and horizontally, and have the 100% capacity on top, and 80% on toe.

### EASILY REMOVABLE HANDLE

pulls on and off for transport and storage, no pins or keys

### FASTER LIFT

20% more distance per stroke

**CAST-IN HANDLE**  
for portability

**OPERATES BOTH HORIZONTALLY & VERTICALLY**

**FLAT FACE**  
for blocking

**GENEROUS STROKE**  
8" on the 5 ton and 9" on the 10 ton

**LOW TOE CLEARANCE**  
just over 1"



Hilman Part #	Capacity	Jack Height Retracted		Jack Height Extended		Toe Height		Total Stroke		Pumps (#)	Stroke/Pump		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)		(in)	(mm)	(lb)	(kg)
HTJ-508	5 ton	14.5	368	22.5	571	1.040	26	8	203	45	0.178	4.5	42	19
HTJ-1009	10 ton	16.5	419	25.625	650	1.125	28	9.125	231	97	0.094	2.3	64.8	29

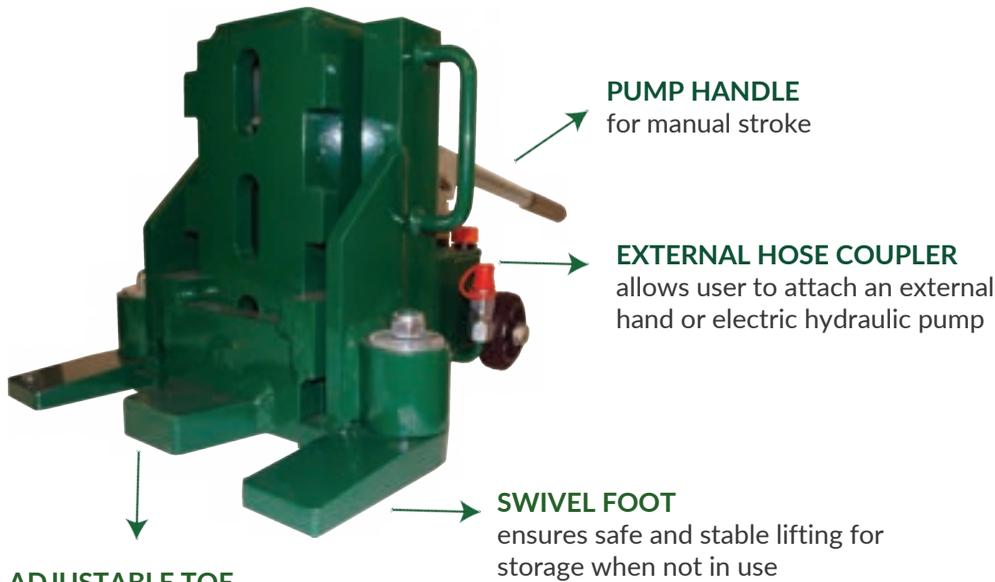
# DELUXE JACKS

## HIGH-QUALITY LIFTING TOE

The Hilman Deluxe Jacks are crafted with a premium lifting toe and adjustable height settings, allowing them to accommodate various lift points. These jacks also feature swivel feet for easy storage and a release valve for controlled, smooth lowering.

## HYDRAULIC PUMP

Deluxe Jacks come with an external hose coupler that allows the user to attach an external hand or electric hydraulic pump for easy and safe positioning.



**ADJUSTABLE TOE**  
3 positions to accommodate different lift points

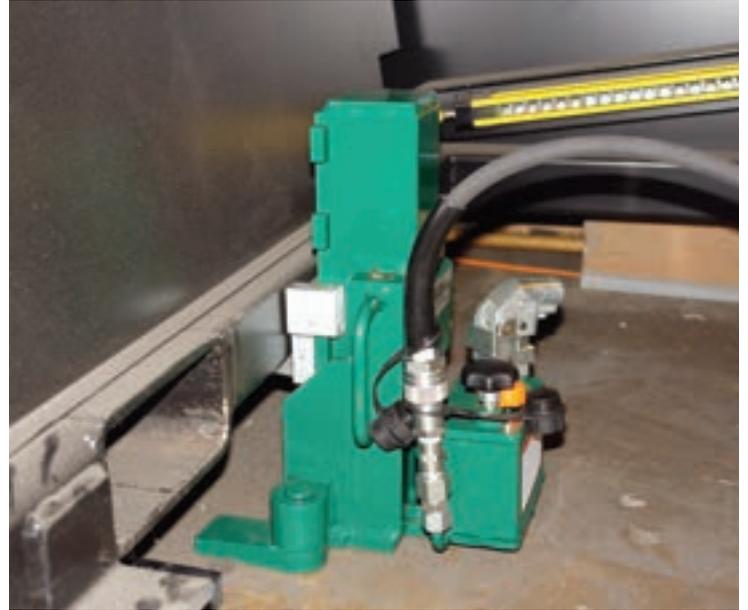


# DELUXE JACKS

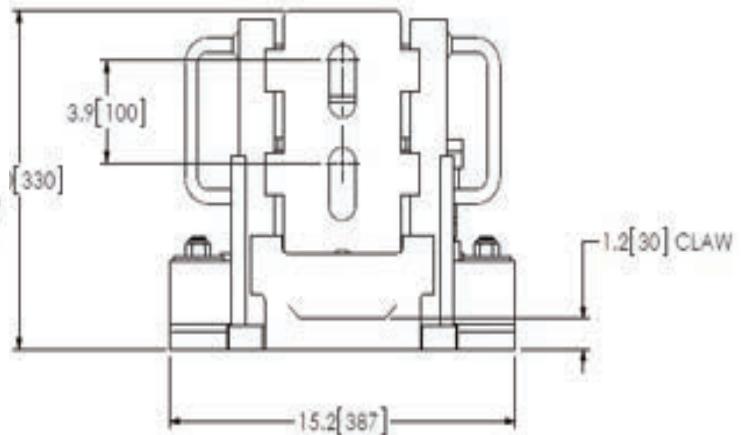
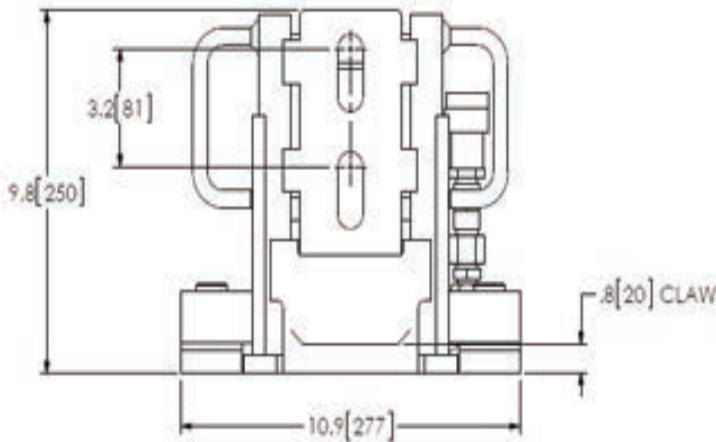


**HTJ-10D**

**HTJ-25D**



Hilman Part #	Capacity	Claw Height		Adjustability		Stroke		Length		Width		Height		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
HTJ-10D	10 ton	0.79	20	3 x 3.19	3 x 81	5.5	140	10.67	271	10.9	277	9.8	250	62	28
HTJ-25D	25 ton	1.18	30	3 x 3.94	3 x 100	5.5	140	15.28	388	15.24	387	13.0	330	159	72

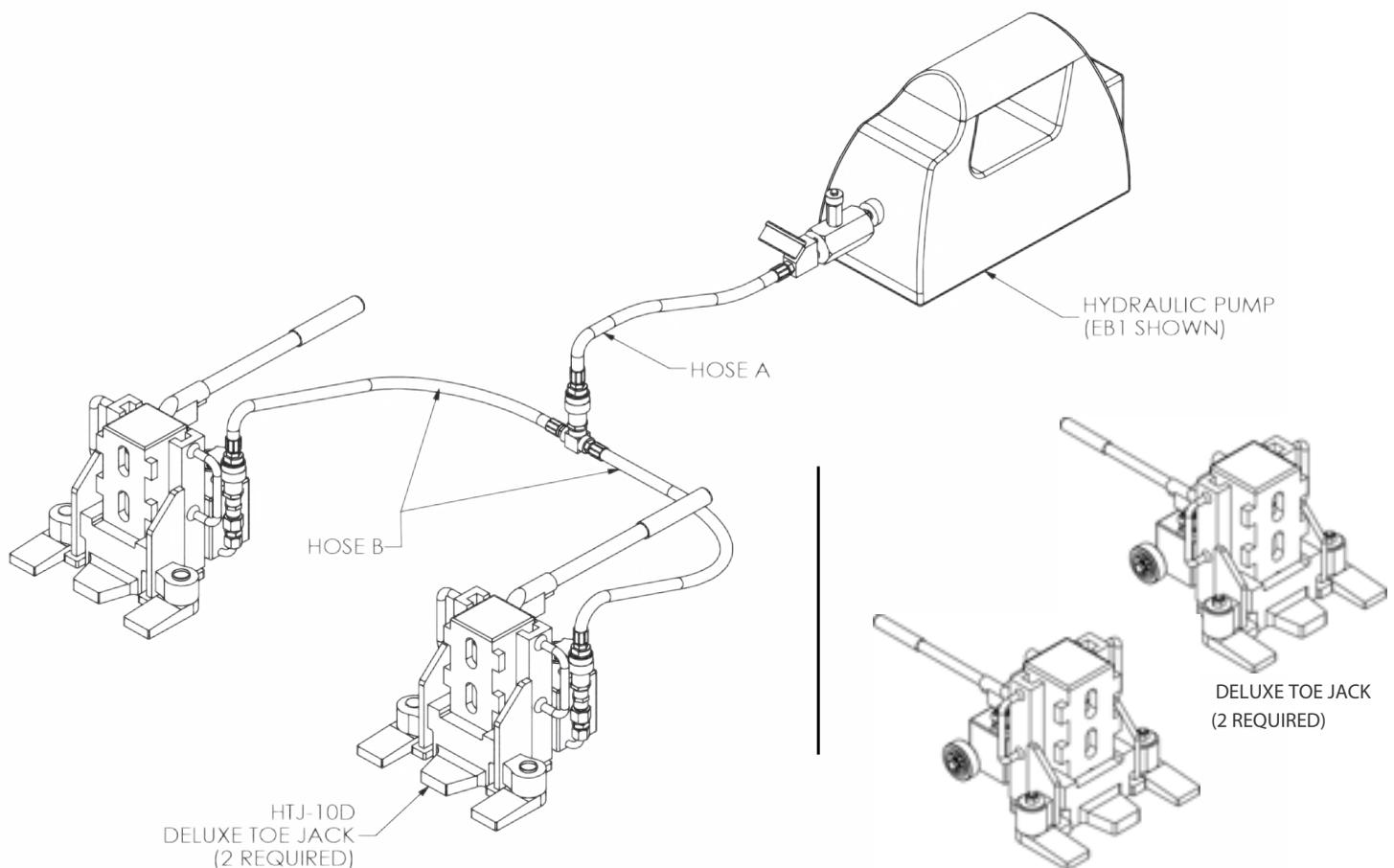


# KITS

Everything you need to lift your load with minimal effort! This complete kit features a battery powered hydraulic pump, optional manual operation of jacks, adjustable toe, stabilizing feet, and a release valve for smooth lowering. System comes complete with two 10 ton deluxe hydraulic jacks (manual or automatic operation), portable hydraulic battery powered pump, and hydraulic hose assembly with 10' of hose for each jack. Available in 20 & 50 tons.

Hilman Part #	Lift Capacity	Charge Voltage
HTJ-20-1010-EB1	20 tons	115 VAC
HTJ-20-1010-EB2	20 tons	230 VAC, EU
HTJ-50-1010-EB1	50 tons	115 VAC
HTJ-50-1010-EB2	50 tons	230 VAC, EU
HTJ-50-1010-EP1	50 tons	110/115 VAC, 510-60 Hz SINGLE PHASE
HTJ-50-1010-EP2	50 tons	230 VAC, 50-60 Hz SINGLE PHASE

*For custom hose lengths, please contact the factory.*



# POWERATTACK



# POWERATTACK

The PowerAttack is an innovative way to move loads on skates or trolleys up to 30 tons to replace forklifts!

## KPA-25



### Corded-25 Ton Capacity

Powered by an electric cable either with 110V or 230V (KPA-25-230V) drive motor.

*Kits include: Components with PA-25C (PA-LADAP, PA-AJG240, PA-LT). Package adapters are supplied in a separate cardboard box.*

## KPA-30



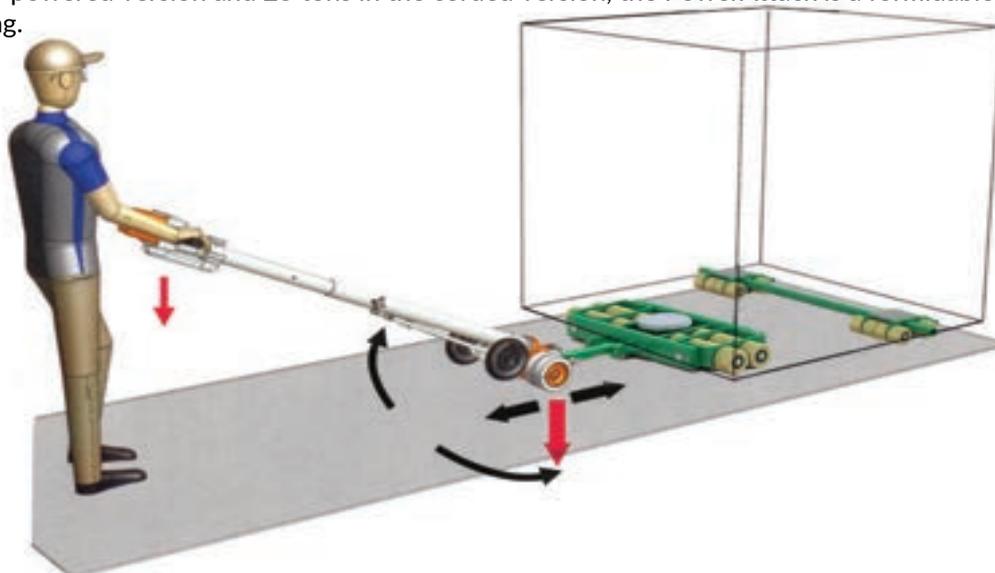
### Battery Powered-30 Ton Capacity

Powered by a 24V synchronous motor with 1kw output, generating 800Nm to drive-wheels

*Kits include: The kit includes positioning the hanger as indicated and drilling holes from the inside out with a maximum drill size of 9/32" (.281). The components provided with the PA-30CC are PA-LADAP, PA-AJG240, PA-LT, PA-CU, and 2x PA-24V.*

## APPLIED MECHANICS

The PowerAttack harnesses traction and leverage to efficiently move heavy loads. When paired with a steerable skate, like the Hilman Tri-Glide with an adaptor, it utilizes rear dollies for controlled movement. Its extendable handle provides additional leverage, boosting traction for the powered wheels. With the capability to push or pull up to 30 tons in the battery-powered version and 25 tons in the corded version, the PowerAttack is a formidable solution for heavy load handling.



*Images are for representation purposes only. Actual product configuration and support points will differ based on the load.*

# ADVANTAGES

Each PowerAttack comes with an adjustable load toe, an L Adaptor and an adaptor to connect to a front skate. The battery version also includes 2 batteries and charge unit.

## TELESCOPING

adjusts for leverage and comfort of operator (max length 84 inches)



## EMERGENCY STOP BUTTON

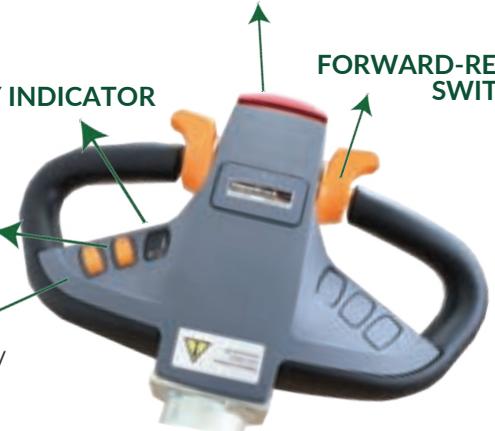
## FORWARD-REVERSE SWITCH

## BATTERY INDICATOR

## ON/OFF SWITCH

## TWO SPEEDS

(16ft/min and 65ft/min)



## LANDING GEAR

2 wheel aux trolley for easy transport when not under the load

## 24V LI-ION BATTERY\*

drives a powerful 24V 3-phase motor with variable speed for smooth operation  
\*KPA-30 only

## NO MEMORY EFFECT OR DISCHARGE

when not in use



## ADJUSTABLE LOAD TOE

to have convenient working height for operator

## L ADAPTOR

for when the height of the object to push is higher

## BLUETOOTH CHARGER

connects to app VICTRON CONNECT to monitor charge  
\*KPA-30 only

## TRI-GLIDE ADAPTOR

connects to PowerAttack Tri-Glide unit

Hilman Part #	Capacity (tons)	Telescopic Length		Width		Weight	
		(in)	(mm)	(in)	(mm)	(lb)	(kg)
KPA-25	25	65 - 84	1650 - 2150	15	380	110	50
KPA-25-230V	25	65 - 84	1650 - 2150	15	380	110	50
KPA-30	30	65 - 84	1650 - 2150	15	380	165	75

Loads can be moved up to 25 to 30 tons depending on floor surface, types of skates, etc.

# FEATURES



## CLEAN ROOM MOVING

The Battery PowerAttack is a great option for clean room moving or in spaces where emissions are an issue. The soft polyurethane wheels are non-marking and prevent damage to floors.

## CUSTOM ATTACHMENTS

The PowerAttack can be used in combination with other Hilman items such as the Tri-Glide. Custom attachments are also available if needed for a specific application.



# UNIVERSAL MACHINERY MOVING KITS

This versatile and easy to use 3 point moving system is designed to meet the majority of your load moving requirements. The kit includes everything you need to move loads easily, effectively and safely.

- Jacking package allows easy lifting of load
- 3-point machine skates provide a stable rolling platform
- Powered load mover makes it easy to move your load into its new position with the push of a lever
- Rubber or poly wheels offer durability and floor protection



## ESSENTIAL PACKAGE

Great Value for Efficient Load Moving!

### Includes:

- (1) Corded Power Load Mover
- (1) 3-Point Moving Dolly
- (2) Rear Dollies with Adjustable Spreader Bar
- (2) 10 Ton Manual Toe Jacks
- (3) Pre-loaded Pads

## DELUXE PACKAGE

Cordless, Easy to Use!

### Includes:

- (1) Battery Powered Load Mover
- (2) Batteries
- (1) Charger
- (1) 3-Point Moving Dolly
- (2) Rear Dollies with Adjustable Spreader Bar
- (2) 10 Ton Hydraulic Jacks
- (2) 10 ft Hoses
- (1) Battery Powered Hydraulic Pump
- (3) Pre-loaded Pads



# TK-EVO



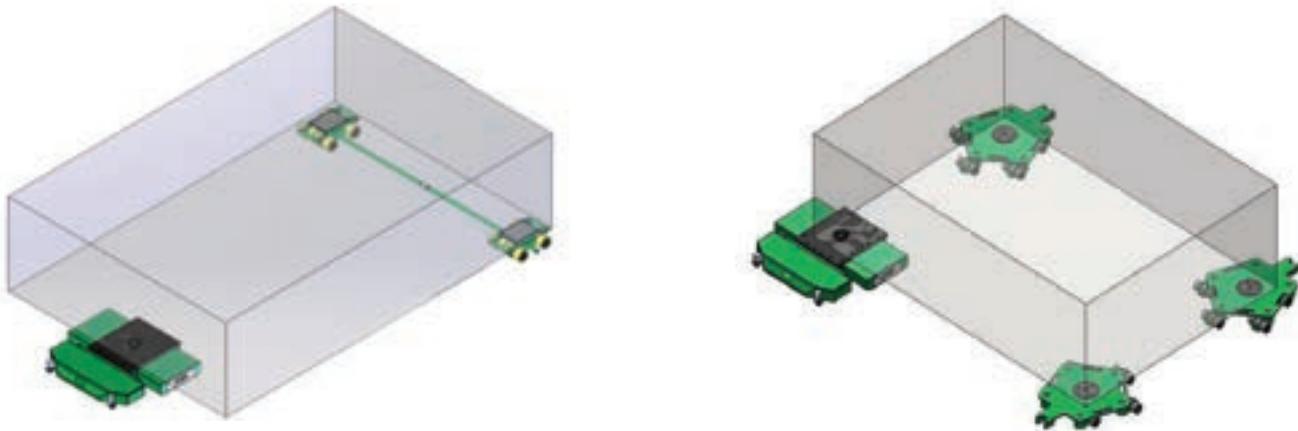
# TK-EVO

Move heavy loads without the hassle of cords! The TK-EVO features durable steel tracks or floor protection tracks, making it ideal for use on specialized flooring in clean rooms, healthcare facilities, microchip manufacturing plants, and more!



## POWERED 3-POINT MOVING

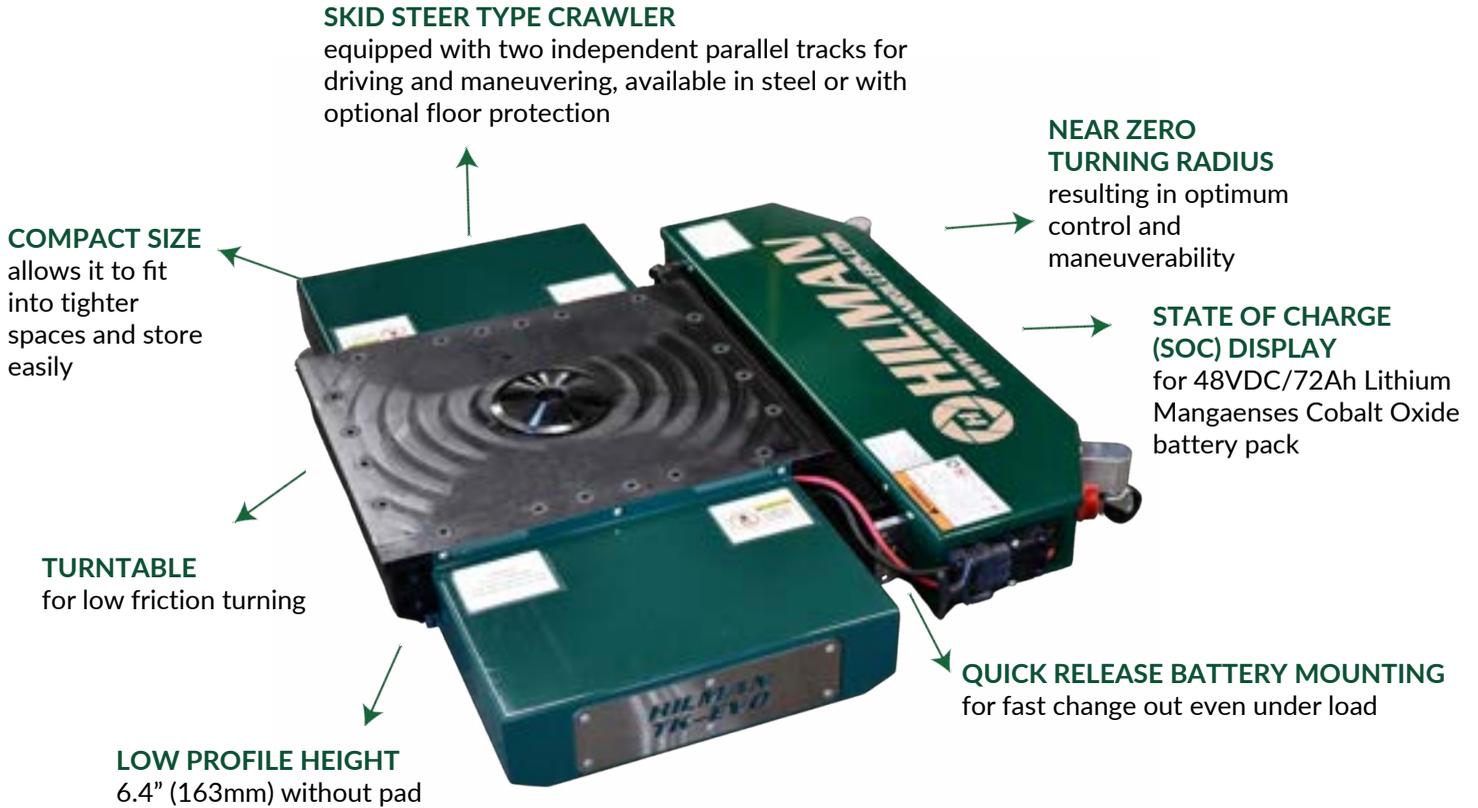
The TK-EVO Basic Package allows for a powered 3-point configuration with a pair of rear dollies, making moving equipment easy and safe. It can also be combined with other products like OMNI-SKATES for added flexibility, enabling 360-degree rotation..



*Images are for representation purposes only. Actual product configuration and support points will differ based on applications.*

# FEATURES

Typical battery life under working conditions is up to 3-4 hours. Charge time per battery is up to 1 hour with standard 110V single phase outlet.



Hilman Part #	Capacity* (tons)	Height without pad		Width		Weight	
		(in)	(mm)	(in)	(mm)	(lb)	(kg)
TK-EVO	Crawler Only 20 ton	6.4	163	41	1041	36	914
	Trailer Only 20 ton						
	Combined 40 ton						

\*Based on flat level riding surface

# BENEFITS

## CORDLESS. EMISSIONS-FREE.

- Eliminates tripping hazards, enhancing crew safety.
- No exhaust fumes, providing a cleaner work environment.
- Quiet operation for improving crew communications

## PERFORMANCE

- Offers two-speed settings with proportional control for smooth operation in both forward and reverse.
  - High Speed: Up to 12 feet per minute (fpm)
  - Low Speed Up to 8 feet per minute (fpm)
- Near zero turning radius for enhanced agility in confined spaces.
- 48V DC, 60Ah battery with a State of Charge (SOC) display
  - Expected Run Time: Approximately 3 to 4 hours of operation per charge
  - Recharge Time: 1 hour using a standard 110V/230V AC single-phase outlet



## CUSTOM SOLUTION

The TK-EVO can be tailored to fit the specific requirements of any project. It can also be integrated with other Hilman products to create a fully customized moving solution.

# PACKAGES

The TK-EVO is offered in a basic package that includes (1) TK-40E with battery, a charger, and more!



## BASIC PACKAGE

Includes:

- (1) TK-EVO Crawler with Battery
- (1) Remote Control
- (1) Spare 48VDC/60Ah Battery(1) Battery Charger
- (2) 10 Ton Capacity Dollies
- (1) 8 ft Alignment Bar
- (4) Preload Pads
- (2) Eyebolts

**TRAINING INCLUDED**  
WITH THIS PACKAGE

With Abraham Punnoose

8 HOURS MAX  
INCLUDES NO MORE THAN 4 GROUPS  
MAX 8 PEOPLE PER GROUP

FOR MORE INFORMATION  
SALES@HILMANROLLERS.COM

## CUSTOM OPTIONS

Need custom options for your specific application, such as attachments, turtlebacks, turntables, or rear dolly modifications? Hilman has the perfect solution for you! Custom solutions, No problem! Visit our website or contact us at [sales@hilmanrollers.com](mailto:sales@hilmanrollers.com).



# TRAKSPORTER



# TRAKSPORTER

The Hilman Trakporter is a remote-controlled, self-propelled crawler system engineered for the safe, easy, and efficient movement of heavy machinery and other large objects. Powered by a propane internal combustion engine that drives its hydraulic crawler, the Trakporter is available in standard packages with capacities of up to 100 tons, offering a robust solution for heavy moving needs.

## CRAWLER



A remote controlled hydraulic steering and drive mechanism that is used to direct the movement of whatever is being moved.

## POWER UNIT



Provides power to the Crawler through a 23hp LPG powered engine that can also be custom designed to run on a 25hp electric motor.

## POWERED 3-POINT MOVING SYSTEM

The Hilman Trakporter is equipped with an advanced three-point moving system designed for optimal maneuverability and control. The front steerable unit is fully powered and operated via remote control, allowing the operator to monitor and precisely manage multiple contact points during movement. This system includes two rear dollies and an alignment bar, ensuring consistent load distribution across all skates for smooth and balanced operation.



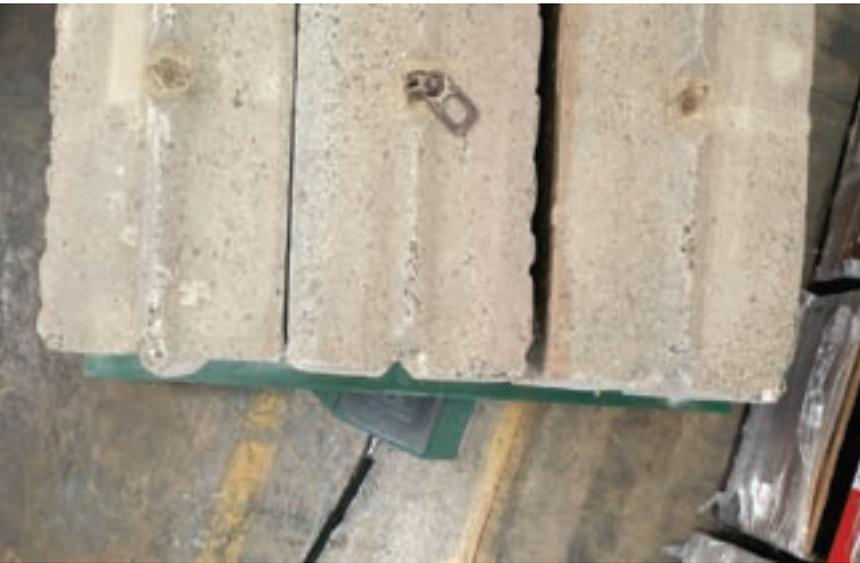
# FEATURES

The Trakporter is designed for operation on level concrete floors. Trakporter systems are available in 50, 75, 100, and 200-ton configurations, making them ideal for moving heavy loads through challenging haul paths, including tight turns and precise final set locations.



# BENEFITS

The Trakporter moves heavy objects in tight areas where it is difficult or impossible to use a forklift or other means.



## SELF-CONTAINED/ SELF-PROPELLED

- No additional equipment is required to move the Trakporter.
- Eliminate the need to push or pull the object with a forklift and reposition to make corners.
- Provide smooth, continuous power to navigate corners non-stop and with maximum control.
- Stores easily inside the Power Cart.

## BETTER USE OF MANPOWER

- Reduce the need to transport heavy forklifts and multiple vehicles to job sites. To move equipment to site only requires a pick-up truck and a trailer.
- Less effort and faster. No longer need to bump and push the object with forklifts.
- Quick moves with minimal operation disruption.



## SPECIFICATIONS

Size of Power Unit	Length 65" x Width 30" x Height 44"
Weight	1500 lbs (operating)
Engine	WG750B Kubota 45 cu in. Displ. 23hp
Solid rubber tires	13.5" x 4.5"
<b>Hydraulic steering and drive</b>	
<b>Crawler is stored in its own compartment self loading and unloading</b>	
<b>Top storage area with 2" rail for tools, blocks, rollers, etc.</b>	
Capacity	30 ton directly on crawler turntable
Pulling Capacity	75 ton
Speed	Adjustable 0-25 fpm
Turning Radius	Zero turn
Size of Crawler Unit	Length 26" x Width 31" x Height 6.375"
Weight	540 lbs
Power Supply Hose	30' long (protected by nylon sleeve)
Track Pads	Solid steel (smooth face)

# PACKAGES

The Trakporter comes in a variety of packages that provide you with all the tools needed for an easy move. Additional options such as trailers, custom jacking systems, and complete tool carts are also available.



All Basic & Deluxe packages include (1) 130-BP Trakporter with 30 Ton Capacity Remote-Controlled Crawler.

## BASIC

TK50 BASIC (50 TON)	TK75 BASIC (75 TON)	TK100 BASIC (100 TON)
<b>Includes:</b>	<b>Includes:</b>	<b>Includes:</b>
(2) 12 Ton Capacity Dollies	(4) 12 Ton Capacity Dollies	(4) 12 Ton Capacity Dollies
(1) 8 ft. Roller Alignment Bar	(1) 8 ft. Roller Alignment Bar	(1) 8 ft. Roller Alignment Bar
(4) Rubber Pads	(4) Rubber Pads	(4) Rubber Pads
	(4) Plywood Pads	(4) Plywood Pads
	(2) 1.25 in. Spreader Plate	(2) 1.25 in. Spreader Plate
		(1) Turtleback

## DELUXE

TK75 DELUXE (75 TON)	TK100 DELUXE (100 TON)
<b>Includes:</b>	<b>Includes:</b>
(1) Tool Cart	(1) Tool Cart
(4) 12 Ton Capacity Dollies	(4) 12 Ton Capacity Dollies
(4) Roller Alignment Bars (4 ft., 6 ft., 8 ft., & 10 ft. long)	(4) Roller Alignment Bars (4 ft., 6 ft., 8 ft., & 10 ft. long)
(2) 1.25 inch Roller Spreader Plates	(2) 1.25 inch Roller Spreader Plates
(4) Rubber Pads	(4) Rubber Pads
(4) Plywood Pads	(4) Plywood Pads
(4) 10 Ton Toe Jacks	(4) 10 Ton Toe Jacks
(2) Battery Powered Cordless Pumps (w/ 10 ft. Hose)	(2) Battery Powered Cordless Pumps (w/ 10 ft. Hose)
(2) 30 Ton Cylinders	(2) 30 Ton Cylinders
(2) 10 ft. Splitter Hoses	(2) 10 ft. Splitter Hoses
(4) Floor Plates (0.1875" x 16" x 60")	(4) Floor Plates (0.1875" x 16" x 60")
	(1) Turtleback

*Training is also included with this package (8 hours max and includes no more than 4 groups-max 8 people per group). For more information, please contact us.*

# MODIFICATIONS



## ELECTRIC MOTOR

The Trakspolter is available in an electric version equipped with a 25hp electric motor or a diesel alternative, ideal for applications where the use of combustible fuels is restricted.

## UPGRADEABLE

Any Hilman Trakspolter system is upgradeable to a 100 ton moving capacity utilizing our Hilman Turtleback option. It has a direct load capacity of 55 tons (110,000 lbs). It features (5) 6" diameter wheels with a continuous shaft that can be easily changed to optional nylon wheels with shaft and a turntable. Rear dollies can also be upgraded to match capacity.



## LET US CUSTOMIZE YOUR SOLUTIONS

The Trakspolter can be customized into a complete load moving solution including carts, rollers, hydraulics, etc.



# ENGINEERED SOLUTIONS



# A PERFECT FIT

## CUSTOMER SPECIFIC ENGINEERING

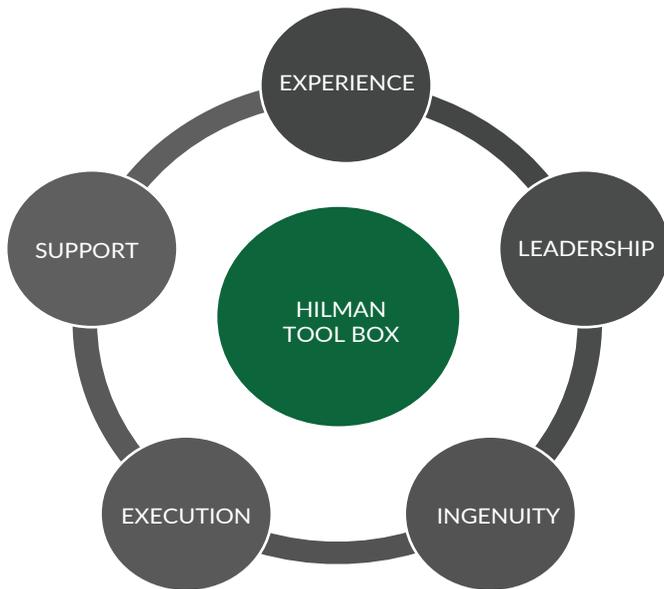
No matter how complex or time-sensitive your project is, Hilman will develop a solution custom-built for your unique application. Bring us your most challenging requirements and let our experienced team of engineers help solve the issues that are impacting your performance.



## CAPABILITIES

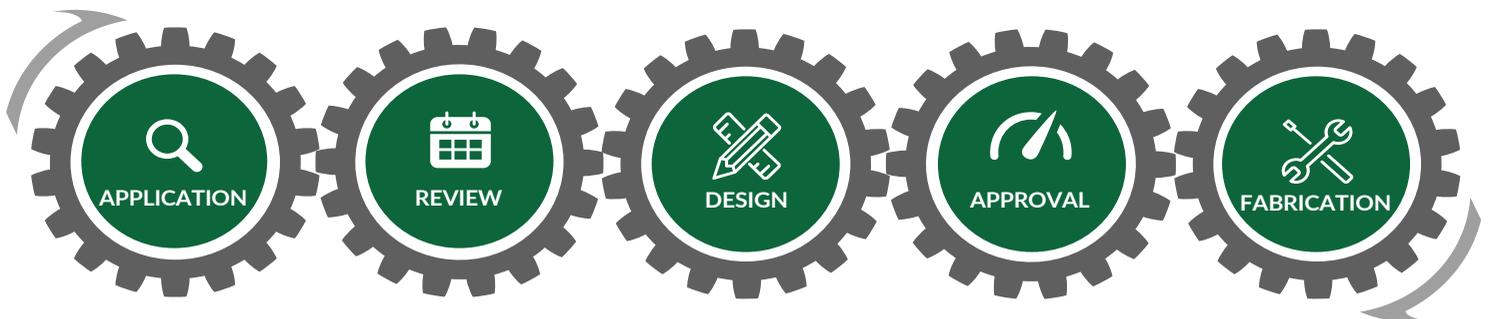
Our team is a group of thinkers, innovators, and problem solvers that partner with our customers throughout each phase of a project - design, engineering, manufacturing and installation - to ensure quality standards and customer expectations are met or exceeded.

Our customer support system is unparalleled in the industry and we continually strive to make improvements in every department to ensure quality and customer satisfaction.



## OUR PROCESS

Hilman designs, engineers and fabricates custom solutions for your project needs. Our engineers work closely with you and your team to ensure the optimal moving experience.



# APPLICATIONS

Hilman provides Custom Engineered Solutions to industries around the world.

## BRIDGE CONSTRUCTION



- Casting Yard Transfer
- Casting Machines
- Segment launching
- Roll-in entire spans
- Launching trusses
- Traveling formwork
- Segmental bridge forms
- Incremental Bridge Launching

## OFFSHORE WIND / ONSHORE ENERGY



- BOP, Xmas Tree Handling
- Cantilever Drill Skidding
- Deck & Jacket Loadout
- Module Installation
- Land Rig Skidding
- Lift and Roll Systems

## AEROSPACE/RESEARCH



- Radiation Shield Doors
- Magnets
- Reactors
- Submarines
- Wind Tunnels
- Space Rocket Transfer
- Cryostats
- Detectors & Modules
- Launch Towers

## SHIP/MARINE



- Drydock & Ship Transfer
- Ship and Barge Launch
- Yard Transfer
- Pipe & Cable Laying
- Ship Transfer Cradles

## POWER/NUCLEAR



- Transfer Cradles and Carts
- Transformer Installation
- Turntable Systems
- Decommissioned Vessels
- Thermal Expansion
- Switchgear
- Steam Generators
- Wind Power Machines
- Spent Fuel Conveying
- Hazardous Waste Casks

## OEM



- Quick Die Change Carts
- Bridge Arms - Cart to Press
- Storage Racks
- Just in Time Automation Systems
- Pre-staging carts
- Transfer Systems
- Coil Handling Equipment
- Die Lift Rollers
- Die Separators

## MOVING MACHINERY



- Heavy, Bulky Machinery
- Machine Servicing & Installation
- Assembly & Transfer Carts
- Heavy Materials Handling
- Displays
- Heavy Product Demonstrations
- Heavy Conveying

## BUILDINGS & STRUCTURES



- Essential Rigger and Millwright equipment
- Advancing Scaffolding
- Building Moves
- Large Monuments & Historical Structures
- Sliding Roofs
- Rolling Grandstands
- Container Cranes
- Drag-lines
- Specialized Gantry Cranes

# MOTORIZED ROLLER SYSTEMS

The Hilman Motorized Roller is a low-profile, high-capacity custom solution for permanent, repetitive movement of heavy objects.



## LOW PROFILE, HIGH CAPACITY

The motorized chain roller assembly is compact, self-sufficient, has a high load carrying capacity. It reduces the time and machinery necessary to transport heavy loads.



## SELF-PROPELLED

A motorized chain roller includes a frame, a special endless roller chain assembly, and two powered sprockets. Hydraulic or electric motors spin the sprockets, pulling the chain, resulting in smooth forward and backward movement.

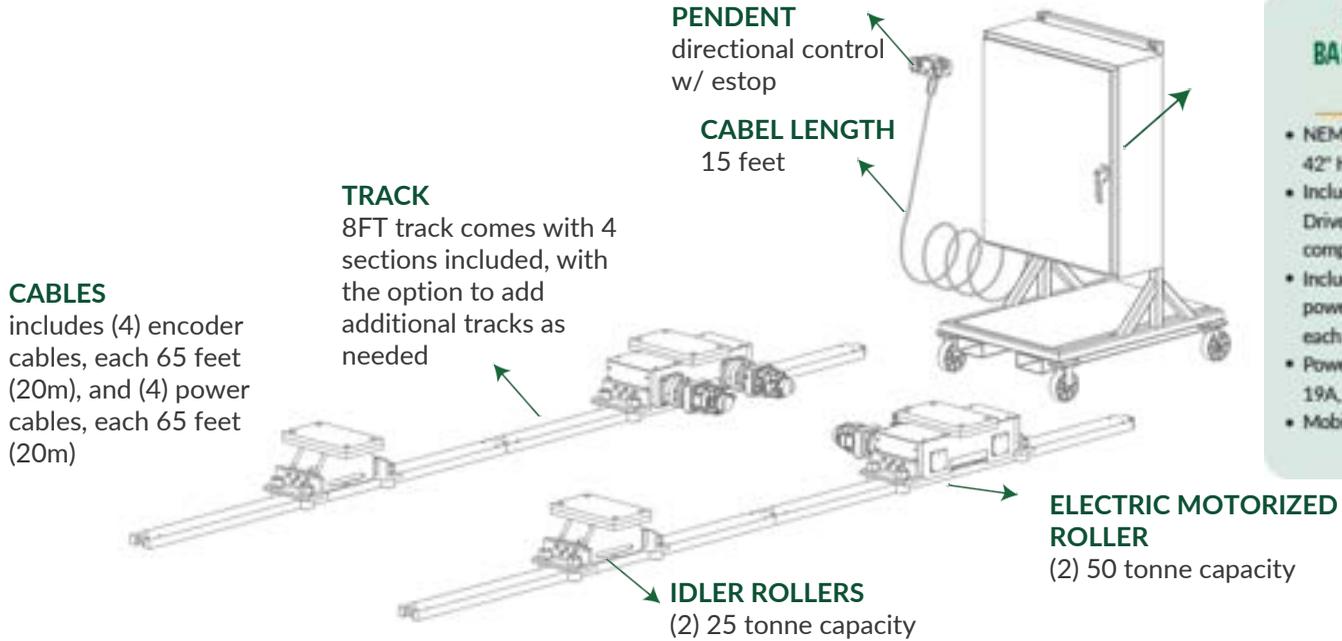


## FULL SYSTEMS

Hilman specializes in designing, fabricating, and supplying comprehensive load-moving systems. Our solutions include steel tracks, power units, and motorized rollers tailored for your next project. We offer customization options such as load capacity, speed, and the choice between electric or hydraulic motors.

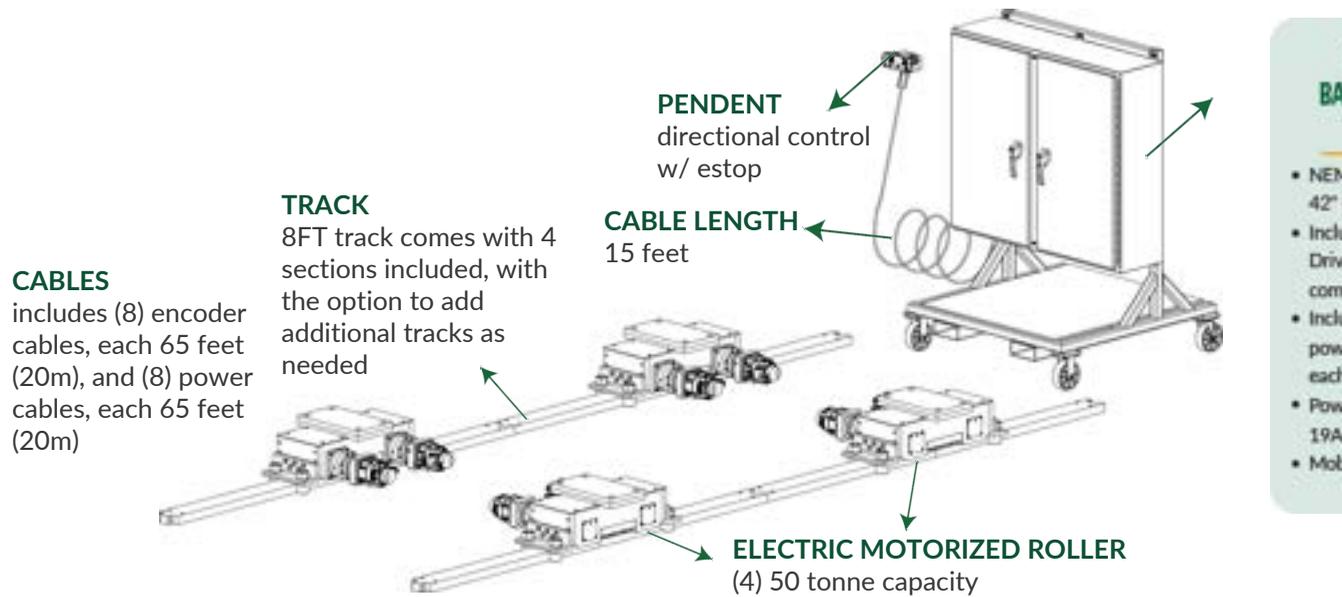
# FEATURES

Hilman's Motorized Roller System, patented under US8672063B and EP636579B1, is engineered to revolutionize heavy equipment handling with unmatched versatility and efficiency. Available in two models, MRSYS-100E and MRSYS-200E, these systems are designed to streamline the movement of heavy machinery and loads across various industrial settings.



- CONTROL PANEL BASIC CONTENTS FOR MRSYS-100E**
- NEMA 4 Wallmount Enclosure, 42" H x 36" W x 12" D
  - Includes 2 Dual Axis Motor Drives and associated components
  - Includes 20 meter connectorized power and encoder cables on each servo axis.
  - Power requirement is 480VAC, 19A, 3Ph, 60Hz.
  - Mobile Cart with fork pockets

Hilman Part #	Capacity	Maxium Travel Grade	Travel Speed		Motorized Roller Weight		Idler Roller Weight		Track Weight	
			(fpm)	(mpm)	(lb)	(kg)	(lb)	(kg)	(lb)	(kg)
MRSYS-100E	100	0.25%	15	4.5	2x 682	2x 309	2x 288	2x 103	8x 119	8x 54



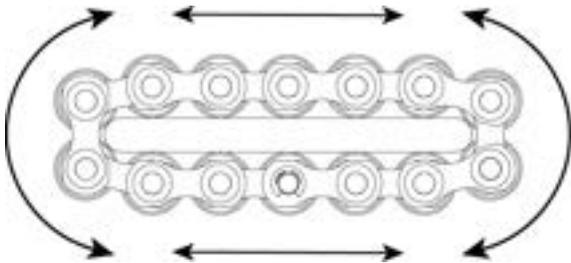
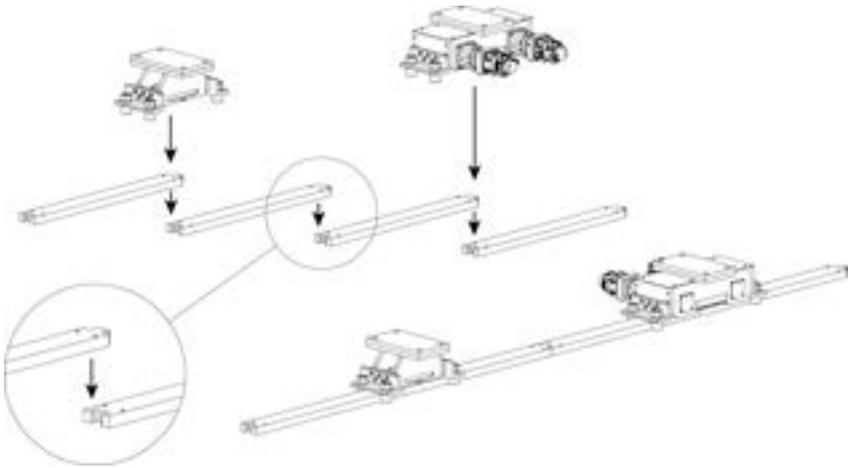
- CONTROL PANEL BASIC CONTENTS FOR MRSYS-200E**
- NEMA 4 Wallmount Enclosure, 42" H x 48" W x 12" D
  - Includes 2 Dual Axis Motor Drives and associated components
  - Includes 20 meter connectorized power and encoder cables on each servo axis.
  - Power requirement is 480VAC, 19A, 3Ph, 60Hz.
  - Mobile Cart with fork pockets

Hilman Part #	Capacity	Maxium Travel Grade	Travel Speed		Motorized Roller Weight		Idler Roller Weight		Track Weight	
			(fpm)	(mpm)	(lb)	(kg)	(lb)	(kg)	(lb)	(kg)
MRSYS-200E	200	0.25%	15	4.5	2x 682	2x 309	-	-	8x 119	8x 54

# BENEFITS

## PORTABLE AND INTERLOCKABLE DESIGN

- System breaks down into components for easy transport and set up anywhere, enhancing operational flexibility.
- Skid track sections can be linked together, allowing for tailored configurations to meet the specific requirements of each job.

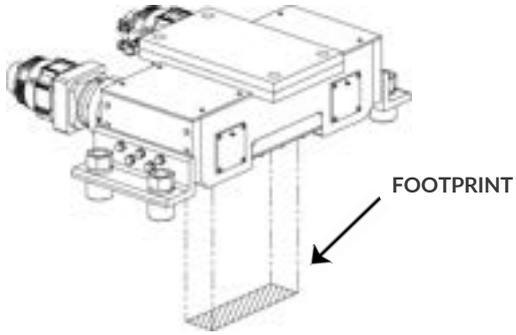
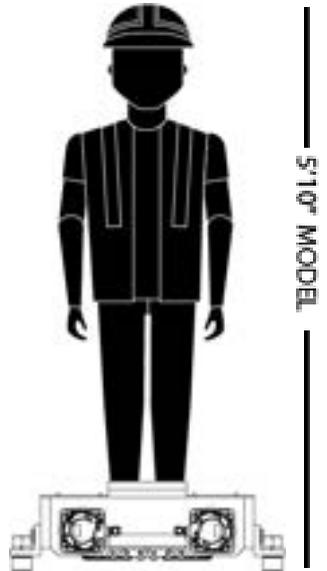


## CONTINUOUS MOVEMENT THROUGH ENDLESS CHAIN DESIGN

- Ensures smooth operation and high efficiency, reducing time spent on repositioning loads.
- Low coefficient of friction

## LOW PROFILE ROLLERS

- Facilitates the easy moving and precise positioning of heavy machinery and equipment, minimizing effort and maximizing safety.



## LARGE LOAD FOOTPRINT

- The use of Multiple load bearing rolls in contact distributes the load over a greater area than single wheels. This reduces floor loading conditions

# CARTS

Hilman can supply custom steel fabrications for a variety of components to be integrated, or used in conjunction, with our heavy-duty rollers. We have designed and built several heavy-duty carts that utilize our rollers to move heavy equipment and materials.

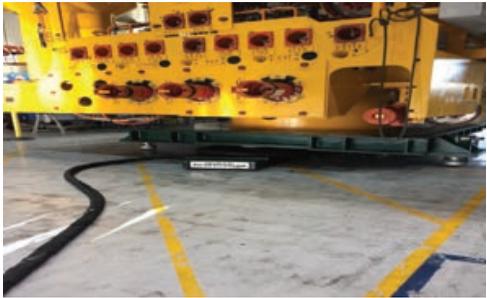
## PRODUCTION, MANUFACTURING, DIE HANDLING



## LOW PROFILE TRANSPORTERS



## POWERED SYSTEMS



# EXPERIENCE

Hilman designs, engineers, and manufactures complete turnkey solutions customized to meet your project needs. Our team of engineers collaborates closely with clients worldwide on unique projects, delivering products that integrate seamlessly into your application for a flawless move!

## THOUSANDS OF PROVEN DESIGNS!



## HILMAN WARRANTY

We warrant each new standard skate product\* to be free from material and manufacturing defects for a period of five (5) years when used as intended. The warranty commences with shipment of the product to the original user. All other products manufactured by Hilman Incorporated (Hilman) have a warranty period of one (1) year. Our obligation under this warranty is expressly limited, at our option, to replacement or repair at Marlboro, New Jersey 07746 USA, or at a service facility designated by us, of such part or parts as inspection shall disclose to have been defective. This warranty does not apply to defects caused by damage or unreasonable use or failure to provide reasonable and necessary maintenance while in the possession of the consumer. Consumables such as, poly and nylon wheels, pads and swivel locks are not covered by this warranty. Modifying, machining, welding or any significant changes to any of our product voids this warranty.

\*List of Standard Skate Products: FT, Nyton, ERS, OT, NT, T, SHD, TMS, BULL DOLLY, TRI-GLIDE, OMNI

WE SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND, including, but not limited to, consequential labor costs or transportation charges in connection with the replacement or repair of defective parts. We make no warranty with respect to trade accessories. They are subject to the warranties of their manufacturers.

THERE ARE NO WARRANTIES EXCEPT AS ABOVE STATED. HILMAN DISCLAIMS AND EXCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OF ITS GOODS OR WARRANTY OF THE FITNESS OF THOSE GOODS FOR ANY PURPOSE OR USE. Subject to the express warranty provided for the repair or replacement of defective goods, the customer acknowledges that it makes its purchase in reliance upon customers' inspection of the goods purchased from Hilman and not by reason of any representations made by or on behalf of Hilman.

We make no other express warranty, nor is anyone authorized to make any on our behalf. Any and all claims arising against Hilman or subsidiaries or affiliated firms concerning the use of our products shall be governed by the laws of the State of New Jersey in the USA.



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**ISO 9001**

**9/2024**  
**CAT - 002**