

KANA

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Sprocket
Idle Sprocket
Chain Coupling
Speed Reducer
Ball Bearing
Pillow Block

sales@mdmetric.com

KANA products are available from MARYLAND METRICS
P.O. Box 261 Owings Mills, MD 21117 USA email: sales@mdmetric.com
ph: (410)358-3130 (800)638-1830 fx: (410)358-3142 (800)872-9329 <http://mdmetric.com>



New! [click for detailed info on KANA sprockets](#)



***Powerful And More Direct.....
That's the way
we think at Katayama Chain,
and that's what we'd like to tell you all about.***

Katayama Chain the world's most experienced manufacturer and dealer of Power Transmission Equipments and Associated Products offers you a wide range of Roller Chains, Sprockets, Couplings, Speed Reducers and Ball Bearings,etc.



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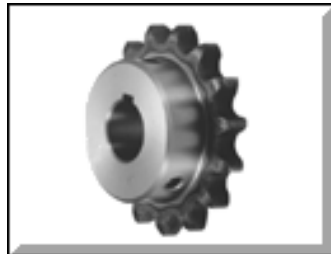
PRODUCT OVERVIEW

Roller Chain



- *ANSI 25 - 200 Roller Chain
- *DIN 03 - 24B Roller Chain
- *Double Pitch Roller Chain
- *Roller Chain With Attachment
- *Stainless Roller Chain
- *Nickel Plated Chain
- *Heavy Series Chain
- *Special/Made-To-Order Chain
- *Motorcycle Chain
- *Bicycle Chain

Sprocket



- *ANSI & BS/DIN Sprocket
- *Finished Bore Sprocket
- *Stock Bore Sprocket
- *Single-Double Sprocket
- *Stainless Sprocket
- *Plastics Sprocket
- *QD Sprocket
- *Taper-Lock Sprocket
- *Taper-Lock Bushing
- *Weld Finish Sprocket
- *Special Made-To-Order Sprocket

Idler Sprocket



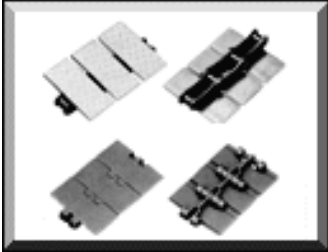




- *Steel Idler Sprocket
- *Plastics Idler Sprocket
- *Idler Pin
- *Chain Tensioner

Coupling



- *Finished Bore Chain Coupling
- *Stock Bore Chain Coupling
- *Plastics Chain Coupling

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<p>Engineering Chain</p>		<ul style="list-style-type: none"> *Mill Chain *Malleable Iron Pintle Chain *Combination Chain *Welded Steel Chain *Rivetless Overhead Conv.Chain
<p>Table Top Chain</p>		<ul style="list-style-type: none"> *Table Top Chain *Top Plate Chain *Sprocket for Top Chain
<p>Speed Reducer</p>		<ul style="list-style-type: none"> *Worm Gear Speed Reducer *Ratio: 1/10 - 1/60
<p>Gear</p>		<ul style="list-style-type: none"> *Spur Gear *Bevel Gear *Worm Gear *Rack Gear
<p>Bearing</p>		<ul style="list-style-type: none"> *6000 Series *6200 series *6300 series *EE Series *R Series *RLS series *1600 series *Roller Bearing *Trust Bearing
<p>Pillow Block</p>		<ul style="list-style-type: none"> *UCP Type *UCF Type *UCFC Type *UCFL Type *UCT Type

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Economical in all aspects!

Standard Roller Chain



ANSI Standard Roller Chain. Single strand, double strand and triple strand series are always kept in stock so that all your needs can be met quickly. We have a wide range of application and you can take advantage of rich technique and experience. We aim at providing you with high-quality product optional to your special requirement.

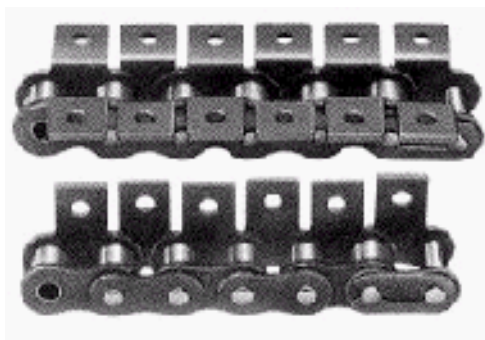
Standard Roller Chain



KANA standard roller chains conform to all the requirement of the ANSI and JIS.

Starting with single strand, multiple strand (double and triple strand) and so on, are always kept in stock and have a wide range of applications.

Roller Chain with Attachment



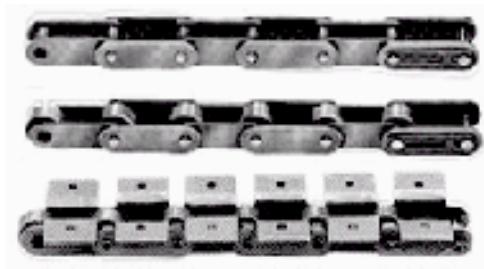
Attachment are links which have one or more link plate or the pin modified to perform a special function in conveying, timing etc.

There are six standard (A-1,K-1,SA-1,SK-1,D-1,D-3) and special made-to-order attachment available with KANA roller chains

Double Pitch Roller Chain

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Manufactured to the same standards as ANSI. Pitch is twice chain and the construction are the same as standard roller chains.

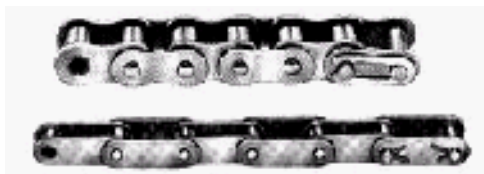
There are drive series and conveyor series with straight edge side plate. Conveyor series is available with carrier (large) rollers. A-1, A-2, K-1, K-2, SA-1, SA-2, K-1, K-2, D-1, D-3 wide range attachments are available.

ISO/DIN Standard Roller Chain



Conforming to ISO standard (R606). Also in accordance with BS 228-1970 (standard of the United Kingdom), the main European industrial standard, and DIN (standard of German) and therefore can be available.

Stainless Steel Roller Chain



Made of authentic stainless JIS SUS304. Can be used in corrosive conditions such as acids or alkalis, wet conditions such as underwater or heated vapor as well as high thermal resistance required conditions.

Nickel-Plate Rustop Chain



Especially suitable for corrosive conditions such as water, mild acids, mild alkalis and seawater. Splendid chain with plated surface. Greater breakage strength than stainless steel chain. Process possible on all roller chains, chains and with attachment.

Side Bow Roller Chain

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Extra clearance chain with ability to flex and twist. Ideal for use on curved conveyors or to transmit power under misaligned sprocket conditions.

Oiles Chain



Use oil-impregnated alloy metal bushes. Long time oil-free operation possible. Ideal in locations where lubrication is difficult. Can be used as replacement for standard roller chains.

Hollow Pin Chain



Constructed with special pin links which have hollow pins assembled in the pin plate. This unique design allows easy insertion of cross rod or attachments to preassembled chain at desired spacing.

Leaf Chain



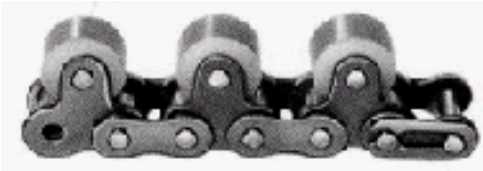
Interfaced plates held together by riveted pins. Use in applications requiring flexible linkage for reciprocating motion or lift. well suited for lift truck and counter weights.

Side Roller Chain



Delrin(Poly acetal resin) side carrier roller perform conveying and accumulating products as free flow conveyor system.

Top Roller Chain



Delrin(Poly acetal resin) top carrier roller perform conveying and accumulating products as free flow conveyor system.

Triple Speed Chain / Carrier Free Flow Chain



The chain speed is about 1/2.6 of the pallet carrying speed owing to special mechanism of the chain roller. Therefore, silent and smooth transportation is ensured. Accumulation of carrying materials can be performed smoothly since the main roller is set to free flow state. As the mechanism of the roller link constructs a basic bush press-in structure, the chain elongate-less and high-speed running can be performed.

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With wide variations respond to users need promptly!

Standard Sprocket

KANA Sprocket make full performance of the characteristic of Sprockets, roller chains and accomplished high transmission efficiency.

Finished Bore Sprocket



KANA Finished Bore Sprocket are ready for immediate installation.

These are completely finished the bore to size of shaft dia., keyway and set screw under Metric JIS standard. Because these sprockets are manufactured in quantity, it is economical price lower than re-machineing of stock-bore sprocket, which re-boreing, keyway and setscrews.

- Finished Bore series: Bored to metric size and keyway finished under JIS standard.
- Finished Bore series are available for Standard "B" Type, Stainless "B" Type, Double Pitch "B" Type and Single Double sprockets.

Stock Bore Type "A" Sprocket



Type "A" steel sprockets are usually fitted over hubs or bolted to flanges. The bolt holes can be located to meet any requirement.

Hardened teeth Type HG-A sprockets are also in stock.

Stock Bore Type "B" Sprocket



Type "B" Steel Sprockets are ready for immediate delivery from stock. They are precision made, accurately machined and finished, ready off-the-shelf, to be bored to requirements. Stock bore pinion sprockets with hardened teeth and large teeth sprockets with no hardened in stock. HG-B Type the large teeth sprocket with hardened teeth are also in stock.

Double Strand Type "B" Sprocket



Type "B" Steel Sprockets multiple strands are ready for immediate delivery from stock. They are precision made, accurately machined and finished, ready off-the-shelf, to be bored to requirements. Stock bore pinion sprockets with hardened teeth and large teeth sprockets with no hardened in stock. HG-2B Type the large teeth Stock Bore sprocket with hardened teeth are also in stock.

Single-Double Sprocket

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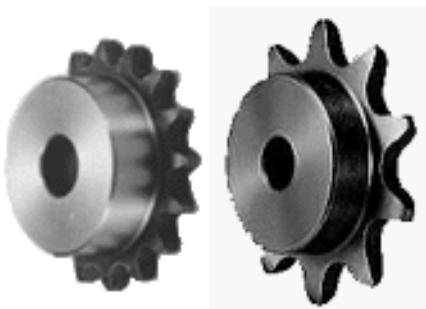
Single-Double sprockets are ready for immediate delivery from stock. They are used for drive sprocket of roller conveyer system, ANSI 40,50,60,80 series Stock Bore and Finished Bore are available.

Stainless Type "B" Sprocket



Type "B" Stainless Steel Sprockets are ready for immediate delivery from stock. They are precision made, accurately machined and finished, ready off-the-shelf, to be bored to requirements. Finished Bore and Stock Bore sprockets are available.

Double Pitch Type "B" Sprocket



Finished Bore and Stock Bore sprockets are available for Double pitch roller chain 1",1-1/4",1-1/2",2" and 2-1/2" with standard rollers and carrier rollers.

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Perfomanced High Speed Rotating!

Idler Sprocket

KANA Idler Sprocket are finished with Ball Bearing and make full performance.

Steel Idler Sprocket



KANA Steel Idler Sprocket are completely finished with "6000 series" Ball Bearing 6000ZZ, 6001ZZ, 6201ZZ, 6202ZZ, 6203ZZ and 6204ZZ. The sprocket teeth are hardened for high speed operation.

Plastics Idler Sprocket

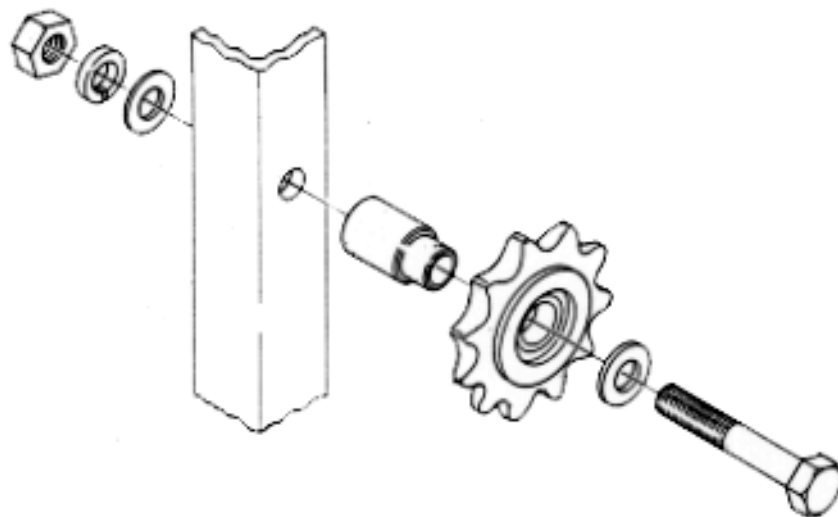


KANA Plastics Idler Sprocket are made from 6 Nylon resin and finished with 6202ZZ Ball Bearing inserted injection.

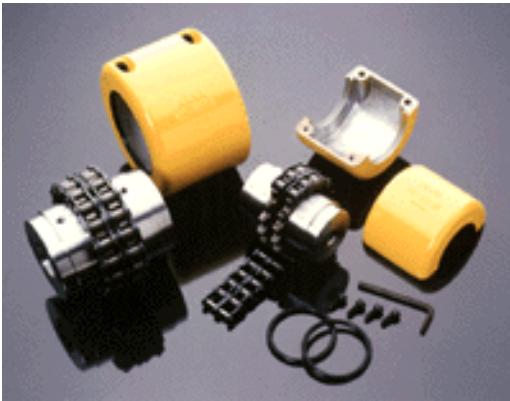
Idler Pin



KANA Idler Pin are easy to assemble and adjust the location of Idler sprocket. All Steel and plastics Idler Sprockets are available with Idler Pin.



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**Flexible, Compact
and Long lasting!**

Roller Chain Coupling

KANA Roller Chain couplings are capable of transmitting relatively high torques in a minimum of space.

Stock Bore Chain Coupling



Stock Bore Roller Chain Couplings are wide range of transmitting torque available from KC3012 to KC12022.

Finished Bore Chain Coupling



Finished Bore Roller Chain Couplings are ready for immediate installation. They are completely finished Bore, Keyway and Setscrews.

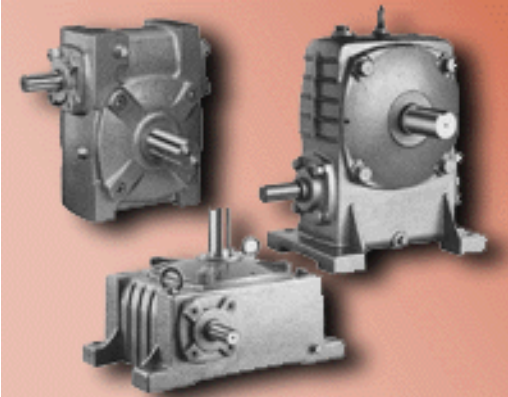
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Plastics Chain Coupling



KANA Plastics Chain Couplings are made from Poly Acetal Resin(POM). Need no lubrication, Corrosion resistant, Adjustable misalignment.

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A highly precise teeth finish is vital to performance!

Worm Gear Speed Reducer

Worm gear speed reducers are smaller, quieter and provide a higher reduction ratio than other types of speed reducers.

PR Series Worm Gear Speed reducer



This series has a wide range of applications. The input shaft is located at the upper part of the gear case for easy pulley or sprocket mounting.

Type: 12,15,18,22,25,30,35

Ratio: 1/10,1/15,1/20,1/25,1/30,1/40,1/50,1/60

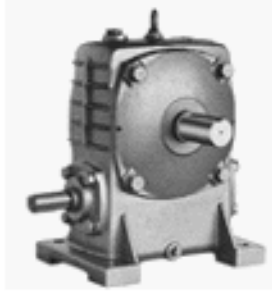
Input shaft dia.: 30,40,50,65,75 mm

Output shaft dia.: 40,50,60,65,75,85,95 mm

Input(kw): 0.11 to 15.0

Output(torque kg-m): 3.59 to 104

PA Series Worm Gear Speed reducer



The PA series is widely used as a universal unit. The worm and wheel are constantly immersed in lubricating oil, making it especially suitable for low speed operation.

Type: 9,12,15,18,22,25,30,35,40,45,50,60
Ratio: 1/10,1/15,1/20,1/25,1/30,1/40,1/50,1/60
Input shaft dia.: 28,30,40,50,65,75,90,110,115 mm
Output shaft dia.:
30,40,50,60,65,75,85,95,110,120,140,150 mm
Input(kw): 0.06 to 53.9
Output(torque kg-m): 2.67 to 445

PO Series Worm Gear Speed reducer



This series features a vertical output shaft. Since its worm and wheel constantly immersed in lubricating oil, it is ideal for low-speed, high-torque applications in various mixing equipment.

Type: 12,15,18,22,25,30,35,40,45,50
Ratio: 1/10,1/15,1/20,1/25,1/30,1/40,1/50,1/60
Input shaft dia.: 30,40,50,65,75,90,110 mm
Output shaft dia.: 40,50,60,65,75,85,95,110,120,140 mm
Input(kw): 0.11 to 30.5
Output(torque kg-m): 3.59 to 249

PF Series Worm Gear Speed reducer



Doubles as a PR, PA or PO series by simply changing leg mounting location. This allows a small inventory to serve a wide range of needs.

Type: 12,15,18,22,25
Ratio: 1/10,1/15,1/20,1/25,1/30,1/40,1/50,1/60
Input shaft dia.: 30,40,50 mm
Output shaft dia.: 40,50,60,65,75 mm
Input(kw): 0.11 to 6.91
Output(torque kg-m): 3.59 to 31.3



All major types of bearings are available!

Ball Bearing

KANA Ball Bearings have various types in structure, open type and shielded or seals at both and one side.

Ball Bearing



Deep Groove Ball bearings
Self-aligning Ball Bearings
Angular Contact Ball Bearings
Cylindrical Roller Bearings
Needle Roller bearings
Universal Joint Bearings
Spherical Roller Bearings
Tapered Roller Bearings
Trust Ball Bearings

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**Easily and firmly
mounting on the shaft!**

Pillow Block

KANA Pillow Block are widely used for various industrial machines, especially for agricultural, textile conveyors, etc..

Cast Housing Pillow Block



Normal Duty pillow block for general power transmission and machinery applications.

- UCP Type

Flange Bearing Unit



Normal Duty four-bolt flange units for face mounting against horizontal and vertical frames.

- UCF Type
- UKF Type

Flange Cartridge Unit



Normal Duty flange cartridge units with a piloted flange assure accurate mounting.

- UCFC Type
- UKFC Type

Flange Unit



Normal Duty two-bolt flange units for face mounting against horizontal frames.

- UCFL Type
- UKFL Type

Take Up Unit



Standard Duty take-up units for use where shaft-adjustment and/or chain/belt tightening is required.

- UCT Type
- UKT Type