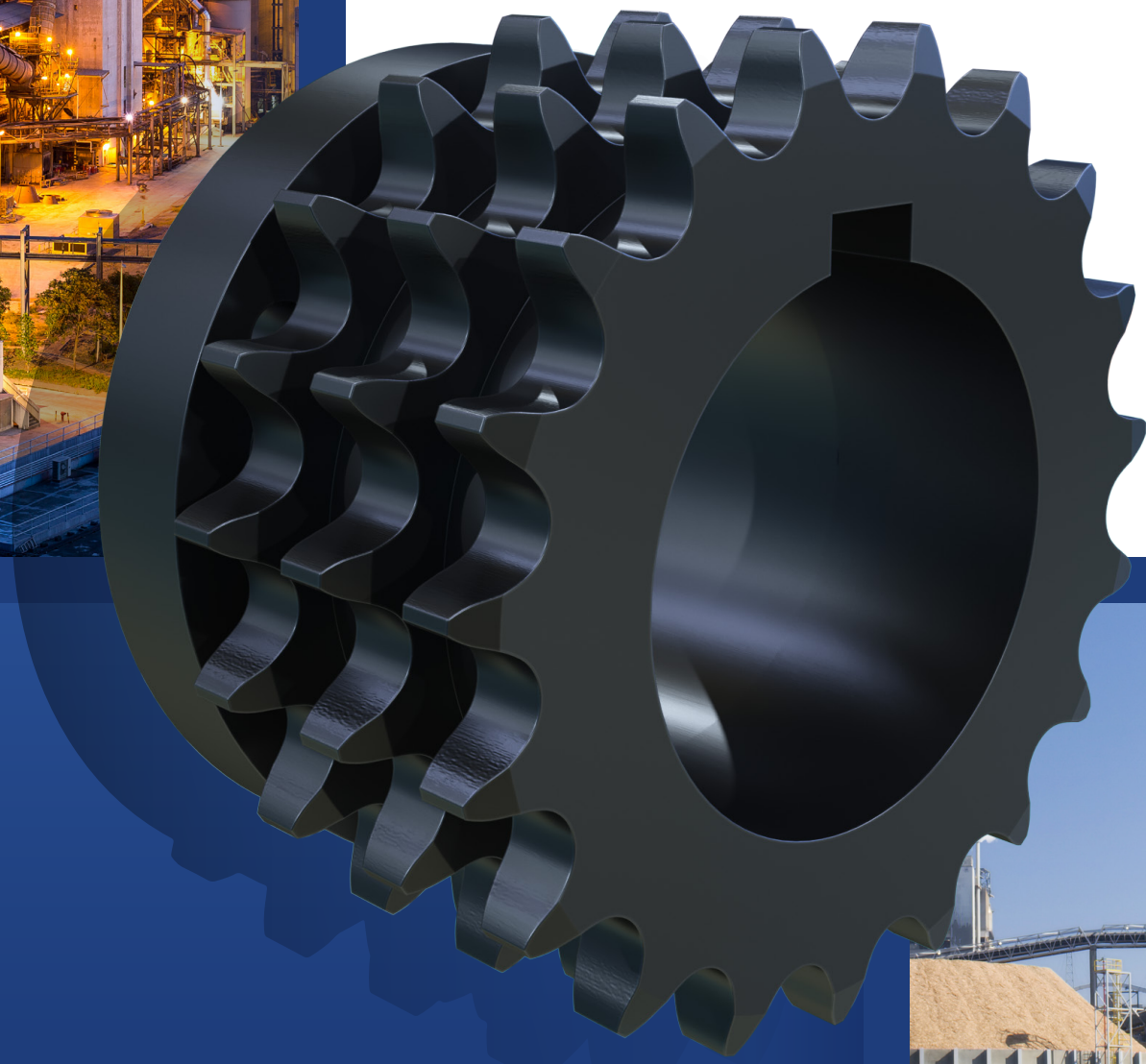


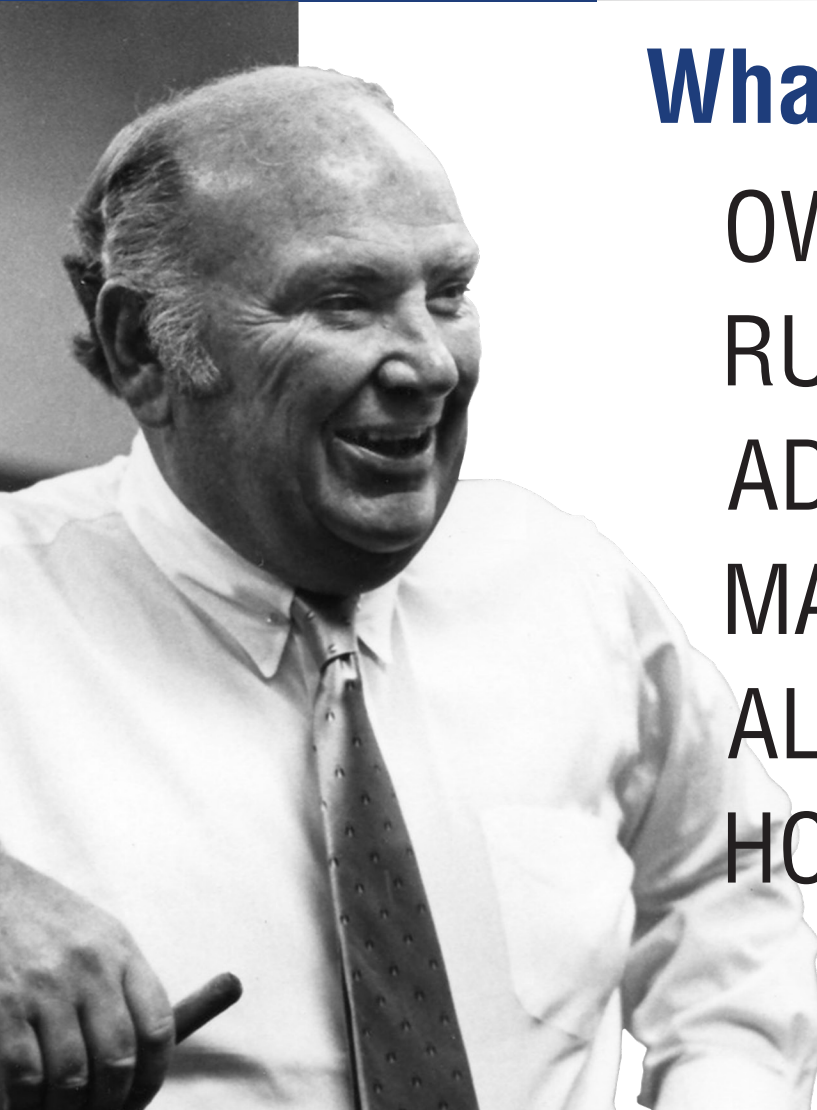


Martin **Sprockets**



ANSI, METRIC AND ENGINEERING CLASS
SPECIALITY AND MADE-TO-ORDER





What would Joe do?

OWN your own territory and
take care of our customers

RUN your facility and take
care of our people

ADD something to
the ballgame

MAKE SURE you have your
priorities right

ALWAYS back to the basics – quality,
service, low-cost producer

HOW to get big and
stay small

A handwritten signature in blue ink that reads "Joe Martin". The signature is stylized and cursive.

Established in 1951 in Arlington, Texas, Martin has evolved into a global powerhouse with 30+ strategically located sites. Our unwavering commitment to excellence in power transmission and material handling positions us as a trusted partner globally. At Martin, we offer more than products; we provide precision, personalized service, combining global capability with local care. Experience the Martin difference, where our dedication to quality sets us apart.

Success in Business, Martin's Philosophy:

Success at Martin requires a strategic mindset — knowing customers, taking ownership, building trust, and cultivating an owner's mentality. Effective leadership involves personal responsibility, positive work culture, visibility, and effective communication. Unlocking success demands creativity, innovation, and resisting the status quo. Aligning priorities with a greater purpose ensures contributions lead to organizational success. Martin emphasizes basics — quality, service, and low-cost production — for streamlined and maximized efforts.

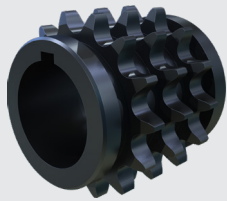
"Get Big, Stay Small" Strategy:

Martin advises strategic business expansion, discovering scalable avenues while preserving core qualities. Maintaining agility and adaptability in the dynamic market landscape is crucial. In a world full of choices, Martin's commitment to prioritizing personalized service and connections with customers sets us apart from the competition.

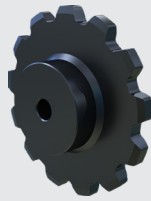
AVAILABLE IN STOCK



Roller chain
sprockets



Metric roller
chain sprockets



Engineering
chain sprockets



800 series
sprockets



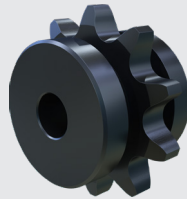
Idler
sprockets



Bushed
(QD, TB and MST®)



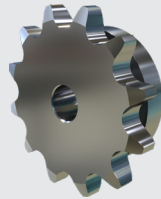
Single, double,
triple and double
single strand



A, B, C
hub styles



Double
pitch



Carbon steel,
stainless steel,
and non-metallic

SPROCKET DRIVE SELECTOR

• Step 1: Initial Inputs

Default Input Unit
☐ Imperial ☒ Metric

Drive Motor

Drive Type

Driven

Define RPM or Ratio
☒ RPM ☐ Ratio

Driven RPM

Driven Shaft Diameter

Center Distance

Min Service Factor

Material

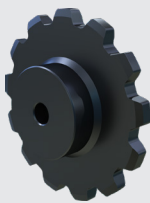
Next Step Reset Section

• Step 2: Select Drive Components

• Step 3: Review Drive Selection

ONLINE SPROCKET DRIVE SELECTOR TOOL

The Martin Sprocket Drive Selector online tool simplifies the process of finding the right product for you. Simply input your drive specifications, and we'll guide you to the perfect selection. Visit martinsprocket.com or scan the QR code to explore this and other drive selector tools available.



ENGINEERING CLASS

- Accu-Torch® flame cut sprockets
- Solid or detachable hub
- Machine chamfered teeth provide proper engagement
- Stamped lead tooth for proper alignment on tandem drives
- A large variety of finished bores in stock
- Mud groove sprockets



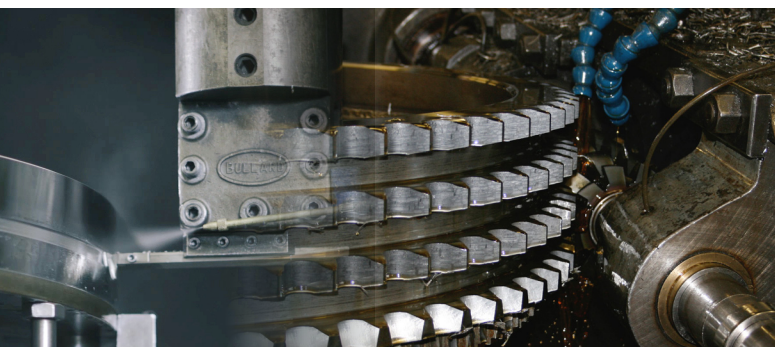
MADE-TO-ORDER

- Steel wide drag sprockets
- Traction Wheels
- Large OD
- Spline bore
- Plastic sprockets
- Further designs upon request



QUICK TURNAROUND ALTERATIONS

- Rebores (standard and special)
- Keyways and setscrews
- Press in bearing/bushing
- Torque limiter
- Shear pin
- Teeth Hardening
- Split solid or welded construction
- Snap Ring Grove
- Paint
- Stamping
- And more...



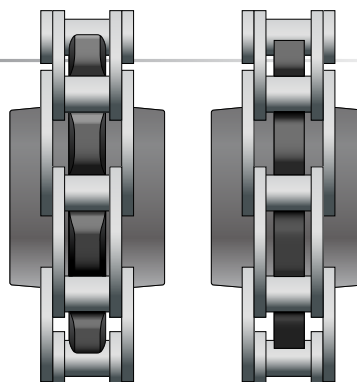
PRECISION MACHINED TEETH

Machined teeth have greater precision creating longer chain life versus flame cut or punched teeth. The chain rows are parallel with equal spacing helping prevent premature chain wear. Multiple strand sprockets offer improved tooth alignment when compared to individual A-plates welded together after cutting teeth.

CHAMFERED TEETH

Martin offers sprockets with machined chamfered teeth at a 15° angle for 1/3 of the tooth ensuring proper chain engagement and allowing the teeth to enter and leave the chain smoothly without damaging chain components. A wider tooth on the pitch line of engineered class sprockets provides a more even distribution of the load on the roller to prevent premature chain wear.

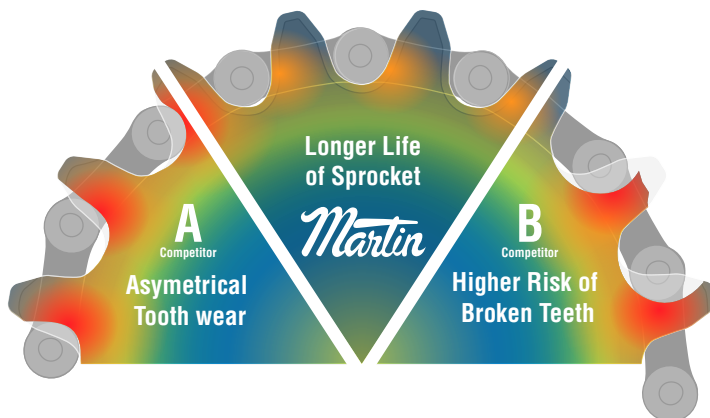
Martin
7/8" Plate
Chamfered



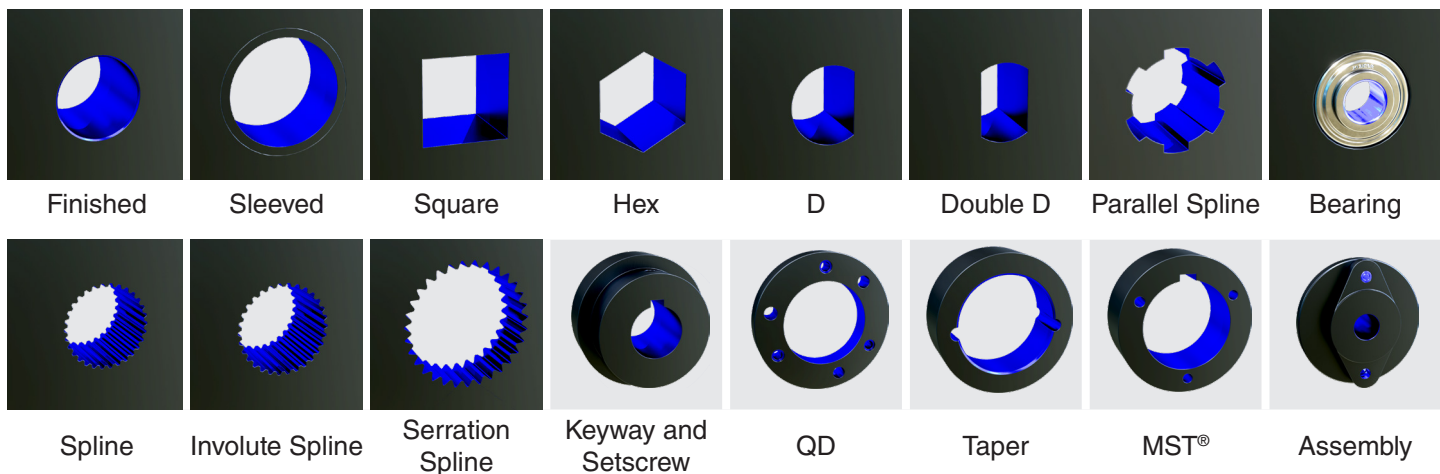
Competitor
3/4" Plate
Not Chamfered

INDUCTION HARDENING

Proven processes allow for uniform heat treat and extends life on Martin products versus our competition.

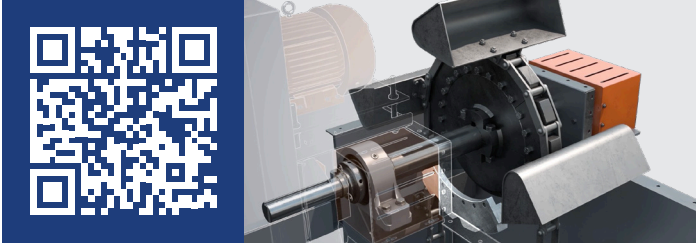


AVAILABLE CUSTOM BORE OPTIONS

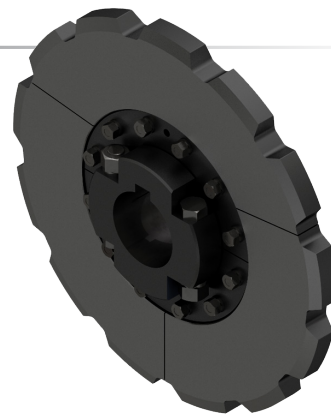


SPLIT / SEGMENTAL DESIGN

Split and segmental sprockets help increase uptime by reducing the amount of equipment removed during installation making them easier to change out than a solid sprocket. Additionally, these designs can be assembled on-site eliminating costly crane rentals required for the installation of large, heavy sprockets.



Scan QR code to watch video:
Segmental sprocket replacement in bucket elevator



SHEAR PIN

Shear pin sprockets play a critical role in safeguarding driven components from potential catastrophic damage caused by torque overload. When the torque exceeds safe limits, the shear pin is designed to fracture. By breaking, it interrupts the power transmission, preventing the transfer of excessive force to the driven components. This proactive mechanism helps preserve the integrity of the system, minimizing downtime and costly repairs that could result from severe overloading.

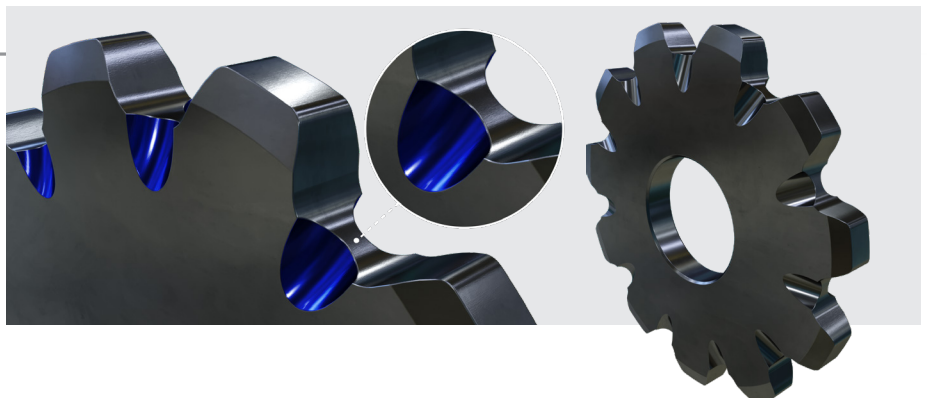


Scan QR code to watch video:
Standard sprocket vs shear pin assembly



MUD GROOVES

Mud grooves are etched on the sprocket to gather dirt or mud, preventing it from building up on the chain connection. In environments with abundant dirt or mud, mud relief grooves are crucial in sprockets to ensure optimal performance.



QUICK MAINTENANCE GUIDE

In many machines, chains, and sprockets team up to ensure smooth operation. However, over time, chains can stretch and wear down, a phenomenon known as chain elongation.

Scan QR code to watch video:
Standard sprocket vs shear pin assembly



POWERING INDUSTRIES SINCE 1951

Unlock the pinnacle of industrial excellence with Martin, your trusted partner in custom sprocket engineering. For over seven decades, we've been at the forefront of innovation, crafting bespoke solutions that stand the test of time.

Elevate your industrial experience with Martin – where precision meets performance, and innovation meets reliability. Unleash the power of custom sprockets designed to propel your industry forward. Choose Martin, choose excellence.



UNMATCHED INVENTORY

With the largest power transmission stock in North America, find the perfect fit for your needs, always exceeding expectations.

TAILORED TO PERFECTION

Crafting made-to-order sprockets for unique industrial needs. Diverse materials, shaft options, and assemblies bring your vision to life.

QUALITY ASSURED

Backed by a solid one-year warranty*, Martin ensures top-tier reliability and durability in every product.

RAPID RESPONSE, SWIFT SOLUTIONS

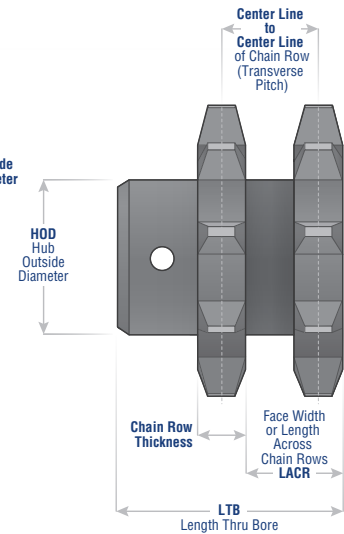
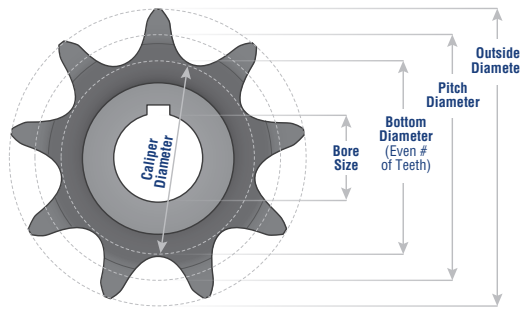
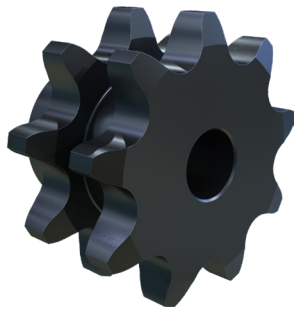
Quick alterations and manufacturing across locations guarantee the industry's fastest lead times for made-to-order products. Your deadlines, our priority.

A PERSONAL TOUCH TO EVERY ORDER

Beyond products, Martin is your dedicated partner in success. Experience precision, performance, and reliability. Choose Martin, choose excellence.

* Conditions apply, check our Limited Warranty at <https://martinsg.info/terms>

NOMENCLATURE



of Strands

Blank Single
D Double
E Triple
F Quadruple
DS Double Single

D 160 B 16 H 2 1/4

Bore Size

Special Instructions

H Hardened Teeth
SS Stainless Steel

of Teeth

Chain Pitch (measured in eighths)

25 = 2/8 = 1/4" **60** = 6/8 = 3/4" **160** = 16/8 = 2"
35 = 3/8 = 3/8" **80** = 8/8 = 1" **180** = 18/8 = 2 1/4"
40 = 4/8 = 1/2" **100** = 10/8 = 1 1/4" **200** = 20/8 = 2 1/2"
41 = 4/8 = 1/2" **120** = 12/8 = 1 1/2" **240** = 24/8 = 3"
50 = 5/8 = 5/8" **140** = 14/8 = 1 3/4"

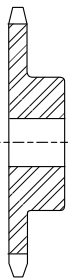
Sprocket Type

A Plate Only **JA, SH,...** QD
B Hub One Side **BTB** Taper Bushed
C Hub Both Sides **H, P, Q,...** MST®
D Detachable Hubs **BS** Bored-To-Size

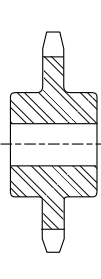
TYPES OF SPROCKETS



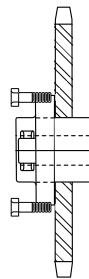
Single
Type A
No Hub
Ex: 40A24



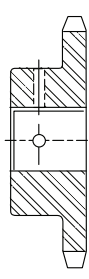
Single
Type B Hub
One Side
Ex: 60B30



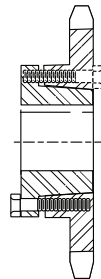
Single
Type C Hub
Both Sides
Ex: 60C17



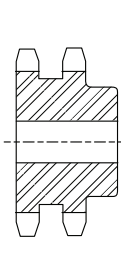
Single
Type D
Detachable Hub
Ex: 100D30



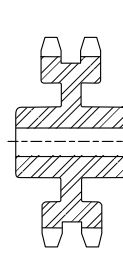
Type BS
Bored-to-Size
Ex: 50BS16 1



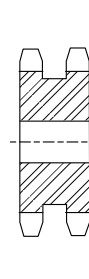
Single QD
Ex: 35SH40



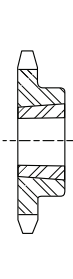
Double
Type B
Ex: D35B19H



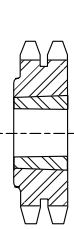
Double
Type C
Ex: D60C72



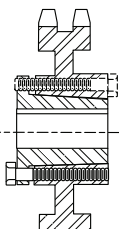
Double
Single
Ex: DS40A19



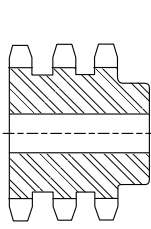
Single
Taper Bushed
Type B
Ex: 50BTB16



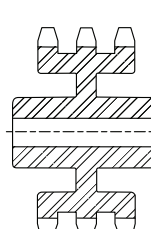
Double
Taper Bushed
Ex: D50BTB21



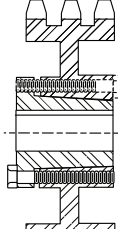
Double QD
Ex: D80E52



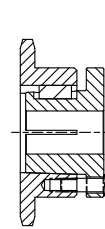
Triple Type B
Ex: E60B12



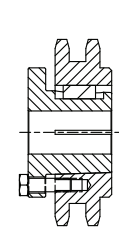
Triple Type C
Ex: E60C72



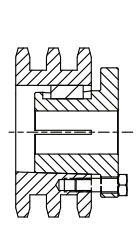
Triple QD
Ex: E60E68



Single MST®
Ex: 50P24



Double MST®
Ex: D80R60



Triple MST®
Ex: E60Q21



Phone: 817.258.3000

Fax: 817.258.3333

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