### SPROCKET TYPES

Sprockets can be supplied in various materials and styles, depending upon the application and severity of service requirements. For most engineered chain applications, fabricated steel sprockets are recommended as offering the best combination of performance, availability, and price. Fabricated steel sprockets can be provided for every chaintooth combination and are readily available.

### SPROCKET STYLES

**Cast Arm Bod**y – This type of sprocket is generally used where larger sizes are required. The use of arms reduces weight, facilitates handling, and lowers cost.

**Cast Split (Arm or Plate) Body** – The split body design facilitates mounting and removal from shafts without disturbing bearings or other connected equipment, which greatly reduces installation and downtime.

**Cast Plate Body** – Plate bodies are generally required for the smaller sizes where the use of arms is impractical, and on larger sizes when the chain pull exceeds the strength of the arm body sprockets.

**Fabricated Steel Sprockets** – Fabricated steel sprockets are flame cut and manufactured from plain carbon steel. The teeth are flame or induction hardened.

**Shear Pin** – A sprocket is modified by the addition of shear pin hubs and shear pins. They are used in applications where jamming or overloading is prevalent. The shear pins are designed to transmit the required torque under normal operating conditions, but to fail when an overload or jam occurs, thus protecting machinery and equipment from damage.

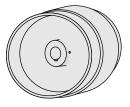
**Special Sprockets** – Sprockets can be made of special design, such as flanged-rim (used particularly in the rock products and fertilizer industries). Long-tooth or gapped-tooth sprockets can also be made.

# SEGMENTAL SPROCKETS AND TRACTION WHEELS

Can be supplied with either solid or split bodies, and have removable and replaceable sprocket segments or traction wheel rims. Rims are made of specially hardened steel for superior wear resistance. Accurate machining and precisely drilled holes permit sprocket segments to be reversed, thus doubling sprocket life and minimizing downtime.

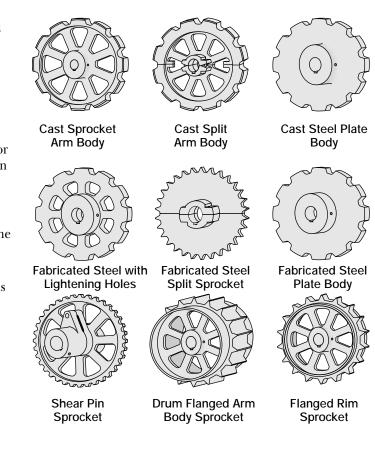
### **TRACTION WHEELS**

Primarily designed for single-strand bucket elevator service, traction wheels can also be used on other type conveyors providing the coefficient of friction is sufficient under normal load to allow the traction wheel to drive the unit. A distinct advantage of a traction wheel is



Sprockets can also be supplied in various cast materials, with or without hardened teeth. The cast sprocket tables present the available patterns for producing cast sprockets.

Whatever the types selected, our sprockets are designed for proper chain-sprocket interaction. Rexnord engineers have selected the proper tooth pressure angle, pitch line clearance, bottom diameter and tooth pocket radius for optimum performance and service life.





Segmental Sprocket with Split Body



Segmental Traction Wheel with Split Body

that the chain will slip on the wheel in the event of an obstruction or overload, thereby preventing damage to elevator or conveyor components. Traction wheels are ideal for service in abrasive environments since there is less scrubbing of the chain on a traction wheel as compared to sprocket.

# SELECTION, SPECIFICATION AND ORDERING INFORMATION

### Number of Teeth

Sprockets preferably should have no less than 12 teeth, particularly if speeds are high and the chain loads great. Sprockets having less than 12 teeth should be adapted only to slow and medium speeds. The number of teeth and sprocket speed (revolutions per minute) control the amount of impact of the chain seating on the sprocket. Impact is reduced as the number of teeth is increased or as speed is decreased. Likewise the chain pull is reduced as the sprocket size is increased for any one power drive. Consequently, a lighter chain – for greater economy – may often be used. With a greater number of teeth angular motion or friction in the chain joints is reduced.

### Height of Teeth

Height of teeth of standard sprockets is generally based on providing a working face what will accept the maximum possible amount of wear elongation combined with a smooth topping curve. A further limitation that takes precedence over the above is that when a sprocket series is capable of being used with chains designed for conveyor/elevator service, the top of the tooth of all standard sprockets having ten or more teeth is designed to be low enough to clear a slat or carrier mounted on the lowest possible "K" attachment of any chain using sprockets of that series.

As a precaution, it is recommended that orders for sprockets specify whether it is necessary for the top of the tooth to clear any slat, bucket or carrier mounted to a chain attachment, or welded to the chain.

### Bore and Hub Size

The size of the bore and hub are determined by the torque to be transmitted. The hub specification charts included in this catalog provide selections based on a design shear stress of 6000 psi, maximum.

### **Gapped Sprockets**

Some attachments require gapped sprockets to avoid interference between the sprocket and chain or assembled fittings. Such attachments usually are those wherein the space between side bars is utilized by the attachment or its fitting. The gap spacing must be a multiple of the particular attachment spacing in the chain, also of the number of teeth on the sprocket. When some teeth must be topped off (that is, omitted) – as distinguished from gaps that extend within the root diameter, it will be assumed that topping off the teeth flush with the root diameter will suffice to clear the obstruction. If gaps are required, complete details must accompany the order.

### HEAT TREATMENT

Fabricated steel sprockets are normally supplied with induction hardened teeth. Cast sprockets, if hardened, are either induction hardened or cast as chill iron. The catalog cast sprocket tables identify cast sprockets with hardened teeth.

Rexnord takes an extra step when heat treating segmental sprockets and tractions wheels to provide the utmost in hardness and case depth.

Prior to induction hardening, segmental rims are "soaked" with carbon in large carburizing pits specifically designed for this purpose. The carburizing process provides deep penetration of carbon into the segment's working surfaces, thereby increasing its hardenability.

After the carburizing process, the segments are taken to Rexnord's induction heat treat area where the segments are enveloped in a large electrical coil, heated to a "cherry red", and quickly quenched. This final process produces the hardest, deepest cases available in an engineered sprocket or traction wheel today.

The carburizing/induction heat treatment process is standard for most all of our segmental sprockets and traction wheels. If you have a very severe sprocket wear problem this may be the answer – contact Rexnord to find out if it is available for your particular sprocket type because not all sizes and styles are available.

Relative depth of hardened material developed from flame, induction or chill rim hardening methods. Relative depth of hardened material developed through the two-step carburizing/ induction hardening process used in our segmental sprockets and traction wheels. More hardened material means longer sprocket and chain life!

# SELECTION, SPECIFICATION & ORDERING INFORMATION – (Cont'd.)

#### Web Holes

Large plate or web-body sprockets can be furnished, when specified, with holes for hoisting slings or hooks. Such holes may necessitate an extra charge.

### Weights

Listed weights represent averages only and may differ from those of the sprockets furnished, because of the differences in hub sizes. Average weights do not necessarily indicate the relative strengths of the various sprockets. They are given primarily for estimating shaft loads and freight charges. All weights are based on arm body construction.

### Style Plate-Body or Arm-Body Construction

It will be noted that the smaller sprockets in each series (both stock and order-size) are furnished only with plate-body. Lack of space between the hub and the sprocket rim makes it impractical to furnish these sprockets with arm-body construction. All stock and order sizes will be furnished plate body. For arm body design, consult Rexnord.

#### Hubs

All hubs are furnished long central (style C) unless specified by the customer or if footnoted in the tables. Depending on how mounted, offset hubs or flush one side (style B) may be preferable for driver sprockets mounted on gearbox output shafts. Offset hubs are where hubs are not of equal length. If other than long central hubs are desired, be sure to specify this on the order.

All hubs are given a squaring cut, (faced) then sprockets are finish bored. Facing is provided as follows:

	CAST HUBS	FABRICATED HUBS				
Long Central	Faced 1 side	Faced both sides				
Flush one side	Hub faced	Hub faced				
Offset hubs	Faced both sides	Both hubs faced				

#### Bore

Sprockets are bored to commercial tolerances (see table below) Closer tolerances are available at extra cost.

BORE RANGE	TOLERANCE (INCES)
Up thru 2.000	+.001/+.003
Over 2.000 thru 4.000	+.001/+.004
Over 4.000 thru 6.000	+.001/+.005
Over 6.000	+.001/+.006

### **Keyseat and Keyscrews**

Standard straight keyseats on the centerline of a tooth are finished with one setscrew over the keyseat and one at 90°.

### **Multiple Sprocket Alignment**

On a multiple strand conveyor or elevator, it is important that driving sprockets teeth be properly aligned in service. It is recommended that drive sprockets be ordered in sets with keyseats properly located relative to the teeth. Sprockets ordered as matched sets will be match marked. Sprockets are to be installed such that all match marks face the same end of the shaft.

At the tail end of a multiple strand conveyor, only one sprocket should be fixed (keyed or set screwed) to the shaft. The remainder of the tail sprockets should be allowed to turn freely on the shaft to compensate for differences in strand length that may change over time.

• Sprockets with Hubs Central

Order should specify "Matched in Sets of Two," "Matched in Sets of Three," etc.

• Sprockets with Unequal Hubs

If sprockets will be installed with like hubs all facing the same end of the shaft, the order should specify "Matched in Line."

If sprockets will be assembled with like hubs facing opposite ends of the shaft, the order should specify "Matched in Pairs."

### Sprocket Availability

Fabricated Steel sprockets (split or solid) are readily available and most any sprocket design can be provided. For the quickest possible delivery, Rexnord maintains an inventory of plates and hubs for many commonly used sprockets.

Cast sprockets with solid hubs are stocked and identified in the cast sprocket tables. The stocked sprocket is bored and keyed to order. Split sprockets, sprockets with hub dimensions other than shown, or sprockets with any other non-standard feature are available but must be cast to order. If delivery is an important factor, fabricated steel sprockets are recommended.

## SELECTION, SPECIFICATION & ORDERING INFORMATION – (Cont'd.)

### How To Order

- 1. Quantity Number of sprockets required.
- **2. Sprocket Unit Number and Chain Number –** Refer to the chain and sprocket index.
- 3. Teeth –

Number of teeth on sprocket.

### 4. Material –

Cast or fabricated steel should be specified. Standard materials will be provided unless specified.

### 5. Heat Treatment -

Fabricated steel sprockets will have induction hardened teeth. Cast sprockets will have hardened teeth if specified in the cast tooth sprocket tables. Specify any non-standard heat treatments.

### 6. Hub Construction –

Hubs will be provided as standard with solid hubs, long central (Style C) unless specified otherwise. Refer to page 79 for standard hub specifications.

### 7. Hub Size – CAST SPROCKETS:

Stocked cast tooth sprockets are listed in the tables with hub dimensions and a maximum bore. Sprockets with hub or bore dimensions other than as shown require a CAST TO ORDER sprocket. These special sprockets are available but if lead time is a factor, consider using a fabricated steel sprocket which is more readily available.

If no hub size is specified by the customer, the standard hub will be provided unless the shaft exceeds the maximum allowable bore, in which case a cast to order sprocket will be necessary.

For CAST TO ORDER sprockets: If no hub size is specified, a hub will be selected appropriate for the shaft size and most readily available from the foundry.

If desired, hub sizes may be specified on CAST TO ORDER sprockets, refer to the selection procedures on pages 81-82.

### Hub Size – FABRICATED STEEL SPROCKETS

For fabricated steel sprockets, most any size hub is readily available. When delivery is especially critical, standard hub sizes are recommended. Standard fabricated steel hubs as shown in the table on page 79 will be provided unless specified on the order.

### 8. Bore –

Specify size and type of bore. Standard tolerances will be provided unless specified.

### 9. Keyseat and Setscrews -

A keyway with two setscrews will be provided on all sprockets unless specified otherwise.

### 10. Previous Order or Quotation -

Provide information regarding previous order or quotation to assure compliance.

### 11. Gapped Sprockets -

Specify chain attachment used and spacing.

### 12. Drop Forged Chain Sprockets –

Specify number of actual teeth.

### 13. Shear Pin Sprockets -

Specify torque level sprockets should shear. A bore size must be specified.

# SPROCKETS

### FABRICATED STEEL SPROCKETS

Listed below is the plate thickness for each sprocket unit. Refer to chain and sprocket index to determine proper unit number for each chain.

All sprockets are readily available as fabricated steel. Fabricated assemblies for traction wheels, drum flanged, sprockets, and for wide mill chain sprockets are also readily available.

4         .63         698°         1.25         X1365           6SP         1.13         710         2.25         1535           25°         .38         720S°         1.13         1536           32°         .50         CS720S°         1.13         B1537           34         .50         A730°         1.13         1568	2.75 1.00 1.25 1.25 1.25 .88 2.00 1.75 1.00
6SP         1.13         710         2.25         1535           25 <sup>0</sup> .38         720S <sup>0</sup> 1.13         1536           32 <sup>0</sup> .50         CS720S <sup>0</sup> 1.13         B1537           34         .50         A730 <sup>0</sup> 1.13         1568	1.00 1.25 1.25 1.25 .88 2.00 1.75
25 <sup>®</sup> .38         720S <sup>®</sup> 1.13         1536           32 <sup>®</sup> .50         CS720S <sup>®</sup> 1.13         B1537           34         .50         A730 <sup>®</sup> 1.13         1568	1.25 1.25 .88 2.00 1.75
32 <sup>0</sup> .50         CS720S <sup>0</sup> 1.13         B1537           34         .50         A730 <sup>0</sup> 1.13         1568	1.25 .88 2.00 1.75
34 .50 A730 <sup>®</sup> 1.13 1568	1.25 .88 2.00 1.75
	2.00 1.75
42 <sup>10</sup> .56 CS730 <sup>10</sup> 1.13 1604	1.75
45 <sup>@</sup> .63 823 <sup>®</sup> 1.13 1654	
51 <sup>®</sup> .56 825 <sup>®</sup> 1.25 E1822	1.00
S51 <sup>®</sup> .56 830 <sup>®</sup> 1.25 F1822	
52 <sup>0</sup> .63 833 2.25 F1833	1.25
55 <sup>1</sup> 0.63 844 <sup>1</sup> 0 2.25 E1836	2.00
57 .63 847 1.75 F1844	1.50
D60 <sup>1</sup> .88 RO850 2.00 F1855	1.50
H60 .63 SX850 2.00 1903	3.00
RS60 1.12 856 2.75 2047	1.25
62 <sup>®</sup> .75 859 3.25 2064	2.25
64S <sup>®</sup> 1.25 RS860 1.75 2111	1.25
67 <sup>①</sup> .63 864 3.25 2113	1.12
78 <sup>®</sup> .88 SX877 2.50 2124 <sup>®</sup>	1.25
H78 <sup>®</sup> 1.00 SX886 2.25 2136	1.75
102B <sup>®</sup> 1.75 E922 1.75 2180 <sup>®</sup>	1.13
102-1/2 <sup>®</sup> 1.75 E911 1.25 F2183	1.00
103 <sup>®</sup> 1.13 F922 <sup>®</sup> 1.13 2198	1.25
106 1.75 E928 1.75 2231	.63
110 <sup>®</sup> 1.75 E933 2.00 2236	1.75
111SP 2.25 F933 <sup>®</sup> 1.25 2342 <sup>®</sup>	1.50
111 <sup>®</sup> 2.25 S951 1.00 2348 <sup>®</sup>	1.25
114 1.13 952 <sup>®</sup> .63 2397	1.75
119 <sup>®</sup> 3.50 953 1.25 2405	1.50
SM120 <sup>®</sup> .75 958 2.75 2452	2.50
H124 <sup>®</sup> 1.50 984 3.50 2590	2.50
130 <sup>®</sup> 1.00 998 <sup>®</sup> 1.25 2614	2.25
131T <sup>®</sup> 1.50 1030 1.25 2800	1.50
132 <sup>0</sup> 2.75 1036 1.25 2804	3.00
R133 1.25 1039 <sup>®</sup> 1.50 2806	4.00
152 .75 1112 .88 2848	1.75
183 <sup>©</sup> .75 1113 <sup>©</sup> 1.13 2858	1.75
SX175 2.75 1120 <sup>®</sup> .75 2868	1.75
183 <sup>®</sup> .75         1124         .88         RF3007           188         1.00         1131 <sup>®</sup> 1.25         RF3011	.63
	.88
194 <sup>®</sup> 1.00         1204         2.00         3112           196 <sup>®</sup> 1.00         1207         2.25         3125	1.00 1.25
190° 1.00 1207 2.25 3123 197 <sup>®</sup> 1.13 E1211 1.25 D3125	1.25
238 1.25 E1222 1.75 3285	1.25
270 1.00 F1222 <sup>0</sup> 1.00 3433	1.75
303 .38 F1232 1.25 4004	2.25
X345 1.75 E1233 2.00 4005	1.13
348 <sup>1</sup> .63 F1233 1.25 RF4007	.63
4580 .88 1240 1.75 4009	1.75
468 <sup>®</sup> 1.50 E1244 2.25 4010	2.75
501 .75 FR1244 1.50 4011	2.00
506 .75 1251 1.75 RF4011	.88
508 .88 1301 2.50 4038	1.25
514 1.25 RO1305 2.25 4539	1.25
514         1.25         1.01303         2.25         4337           520         .88         1306         2.50         4855	2.25
A522 .75 1307 2.75 5157	2.75
S521 1.25 A1309 2.75 5208	1.75
531 <sup>0</sup> 1.13 X1311 2.75 6065	2.50
CA550 .63 AX1338 1.25 6121	3.50
568 1.25 X1343 1.50 6826	2.00
584 1.50 X1345 1.50 7539	1.25
589 1.13 X1351 1.75 8755	2.75
CA620 .88 X1353 2.00 9118	1.75
635 1.75 RO1355 2.25 9250 <sup>®</sup>	.75
678 <sup>®</sup> 1.13 RO1356 2.50 9856	2.50

### Sprocket Weight

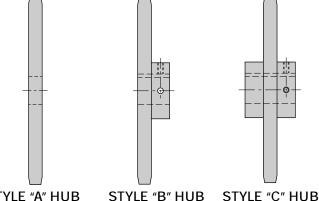
Total Sprocket Weight = [.22 (PD)2 PW] + W

PD = Pitch Diameter of Sprocket

PW = Plate Width of Sprocket (See table at left)

W = Hub Weight (See table below)

Calculated weight is an approximate to be used for estimating shaft loads and shipping weights.



#### STYLE "A" HUB TABLE INSTRUCTIONS

When using the tables below, and only the torque or Hub Size Letter is known, locate the appropriate row which will give you the recommended bore and hub size based on the limitations of typical SHAFT material having a maximum torsional shear stress of 6,000 psi.

If the shaft size is known, use the bore diameter column to find the recommended hub dimensions.

#### SOLID HUBS

Dimensions are in inches. Strengths and weights are in pounds.

Bore <sup>(1)</sup> Diameter	Hub <sup>2</sup> Letter	Maximum <sup>3</sup> Torque	Hub Diameter	Length <sup>4</sup>	Weight <sup>®</sup>	
<sup>15/</sup> 16	В	1.0	2.50	1.50	1.0	
<b>1</b> <sup>3</sup> /16	С	2.0	2.50	1.50	1.0	
1 <sup>7</sup> /16	D	3.5	2.50	1.50	2.7	
1 <sup>11</sup> /16	E	5.6	3.00	1.50	3.7	
1 <sup>15</sup> /16	F	8.5	3.00	1.50	3.7	
2 <sup>3</sup> /16	G	12.5	3.50	2.00	6.0	
2 <sup>7</sup> /16	Н	17.0	4.50	2.00	10.0	
2 <sup>11</sup> /16	1	23.0	4.50	2.00	10.0	
2 <sup>15</sup> /16	J	30.0	4.50	2.00	10.0	
3 <sup>3</sup> /16	К	38.0	5.25	3.00	20.0	
37/16	L 47.0 5.25		5.25	3.00	20.0	
311/16	M	60.0	6.00	3.00	26.0	
3 <sup>15</sup> /16	N	N 70.0		3.00	26.0	
47/16	0	100.0	7.25	4.00	46.0	
4 <sup>11</sup> / <sub>16</sub>	-	120.0	7.25	4.00	46.0	
4 <sup>15</sup> /16	Р	140.0	7.25	4.00	46.0	
5 <sup>7</sup> /16	Q	190.0	8.75	5.00	85.0	
5 <sup>15</sup> /16	R	245.0	8.75	5.00	85.0	
6 <sup>1</sup> /2	S	320.0	9.50	6.50	115.7	

#### SPLIT HUBS

Dimensions are in inches. Strengths and weights are in pounds.

Bore Sizes	Maximum Torque	Hub Length	Bolt Clearance Diameter	Weight
1 <sup>15</sup> /16 – 2 <sup>15</sup> /16	30	2.88	7.50	20.0
3 – 3 <sup>15</sup> /16	70	2.88	8.75	27.0
4 – 4 <sup>15</sup> /16	140	3.88	10.75	57.0
5 – 5 <sup>15</sup> /16	245	4.88	11.50	80.0

Consult factory for larger bores. <sup>①</sup> See instructions above.

See Instructions above.
 Hub letter – From Drive Chain Selection tables.

In-Lbs. (in thousands)

 Add plate thickness for length through bore (see table at left); Hubs furnished long central unless specified by customer.

<sup>⑤</sup> Weight shown for solid hub. Actual weight should be reduced by bore.

<sup>①</sup> Available in cast, see pages 81-88.

<sup>(2)</sup> Available in cast or polymeric, see pages 81-88 and 94-98.

# FABRICATED STEEL SPROCKETS AND OCTAGONAL TAIL WHEELS FOR HEAVY DUTY WELDED STEEL DRAG CHAINS

#### **Drive Sprockets**

Rex Unit Number	Number of Teeth	Pitch Diameter	Outside Diameter	Tooth Width "T" Inches	"T" Average Plate Only Weight Lbs.		
	6	12.10	12.10		93		
	7	13.94	14.11		127		
	8	15.81	16.13		166		
5157	9	17.69	18.16	2.75	209		
	10	19.58	20.18		256		
	11	21.47	22.20		308		
	12	23.38	24.22		365		
	8	23.50	23.94		360		
6121	9	26.30	26.95	3.50	440		
0121	10	29.12	29.96	3.30	550		
	11	31.95	32.40		680		

 $^{\textcircled{O}}$  Sprockets listed are most common. Any number of teeth are readily available. Split sprockets are available.

#### Unit No. 5157 for WHX 5157 Chain

Finished Bore Range Inches	Solid Hub Dia. x Length Inches	Average Hub Only Weight Lbs.				
2 - 4	6 x 5.50	15				
4 - 5	7.25 x 6.50	25				
5 - 6	9 x 7.75	50				

### Unit No. 6121 for WHX 5121/6121/6067 Chain

Finished Bore Range Inches	Solid Hub Dia. x Length Inches	Average Hub Only Weight Lbs.				
2 – 4	6 x 5.50	15				
4 – 5	7.50 x 6.50	25				
5 – 6	9 x 7.75	50				
6 – 7	10.50 x 8.50	100				
7 – 8	11.50 x 10.50	130				

### **OCTAGONAL TAIL WHEELS**

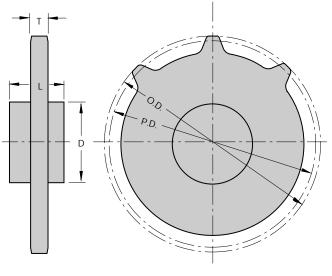
Octagonal tail wheels offer several advantages over conventional sprockets. Chain/tail wheel forces are transmitted directly between sidebars and the octagon surfaces, eliminating barrel and sprocket tooth wear. Side guide lugs are provided to keep the chain centralized on the tail wheel.

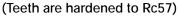
Octagon plates and guide lugs are made of hardened steel. Sidebar contact surfaces can be hardfaced for maximum wear resistance.

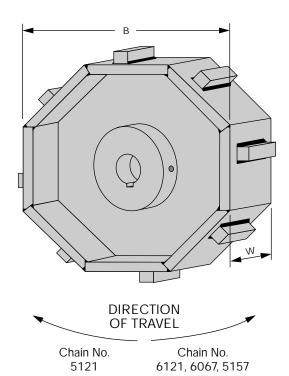
Rex Chain Number	Bottom Flat "B" (Inches)	Width "W" (Inches)
WHX5157	11.85	6.50
WHX6067	18.88	7.50
WHX5121/WHX6121	18.88	9.00

Finished Bore Range (Inches)	Hub Dia. x Length (Inches)
0 to 3.937	6 x 5
4 to 4.937	7.25 x 6.50
5 to 5.937	9 x 7.75

Flame Cut Steel Sprocket with Hardened Teeth







### **CAST SPROCKETS**

### **Cast to Order Hub Specifications**

The following table provides recommended hub specifications for use when ordering cast to order sprockets.

### Procedure

### If torque and bore size are known:

- 1. Locate torque in left hand column. The next column over gives the minimum hub length.
- 2. Locate bore size in top row.
- The intersection of the top row and the column 3. selected in Step 1 is the minimum hub O.D.

### If torque only is known:

- 1. Locate torque in left hand column. The next column over gives the minimum hub length.
- 2. Move to the right to the first number shown (this is the minimum hub O.D.).
- Move vertically to the top row to determine the 3. minimum bore.

#### Dimensions are in inches. Strengths are in pounds. 17/16 111/16 115/16 23/16 27/16 211/16 215/16 33/16 37/16 311/16 315/16 47/16 415/16 57/16 81/2 Bore <sup>13</sup>/16 1<sup>3</sup>/16 5<sup>15</sup>/16 **6**<sup>1</sup>/<sub>2</sub> 7 71/2 8 Width 1/4 1/4 3/8 3/8 1/2 1/2 5/8 5/8 3/4 3/4 7/8 7/8 1 1<sup>1</sup>/4 **1**<sup>1</sup>/4 1<sup>1</sup>/2 1<sup>1</sup>/2 1<sup>3</sup>/4 1<sup>3</sup>/4 2 1 Key Size Height 1/4 1/4 3/8 3/8 1/2 1/2 5/8 5/8 7/8 3/4 3/4 7/8 1 1 **1**<sup>1</sup>/4 **1**<sup>1</sup>/4 1<sup>1</sup>/2 **1**<sup>1</sup>/<sub>2</sub> **1**<sup>1</sup>/<sub>2</sub> 11/2 1<sup>1</sup>/2 **1**<sup>1</sup>/<sub>2</sub> Hub Square Key Flat Key Hub<sup>2</sup> Allowable Size Length Torque Diameters of Hugs - Keyseated Letter 500 $1^{1/2}$ А 1<sup>1</sup>/2 2 2<sup>1</sup>/2 $2^{1/2}$ 3 3<sup>1</sup>/2 4 4 $4^{1/2}$ 5 В 1,000 1<sup>1</sup>/2 $1^{1}/_{2}$ 2 $2^{1}/2$ $2^{1/2}$ 3 3<sup>1</sup>/2 4 4 $4^{1}/_{2}$ 5 $5^{1}/_{2}$ When torque and bore intersect in one of these blank spaces, it indicates that the shaft is larger than required to transmit the torque produced by $1^{1}/_{2}$ 2 $2^{1/2}$ 2<sup>1</sup>/2 3 $3^{1}/_{2}$ 4 $4^{1}/_{2}$ 5 5<sup>1</sup>/2 5<sup>1</sup>/2 С 2,000 4 first hub diameter below in the same column for the bore required. The correct hub length and D 3,500 2 21/2 21/2 3 $3^{1/2}$ 4 4 41/2 5 51/2 51/2 6 2 3 31/2 31/2 4 4<sup>1</sup>/2 51/2 51/2 61/2 Е 5,600 4 5 6 the torque this hub will safely transmit is found 31/2 8,500 31/2 4 4 $4^{1/2}$ 5 51/2 51/2 61/2 71/2 3 6 F in the same row as the hub diameter used. G 12,500 3 4 4 41/2 $4^{1/2}$ 5 $5^{1/2}$ $5^{1/2}$ 6 61/2 71/2 8 С Н 17,000 3 $4^{1}/_{2}$ 4<sup>1</sup>/2 5 5 $5^{1}/_{2}$ $5^{1}/_{2}$ 6 $6^{1}/2$ $7^{1}/2$ 8 9 R 0 W $4^{1}/_{2}$ $5^{1}/_{2}$ $5^{1}/_{2}$ $6^{1}/_{2}7^{1}/_{2}$ 8 9 $9^{1/2}$ 23,000 4 5 5 6 1 9 5 5 51/2 6 61/2 71/2 8 **9**<sup>1</sup>/<sub>2</sub> 10 J 30,000 4 Т 6 **9**<sup>1</sup>/<sub>2</sub> 51/2 51/2 6<sup>1</sup>/2 7<sup>1</sup>/2 9 101/2 Κ 5 U 5 8 10 38,000 6 61/2 47,000 5 М 61/2 71/2 8 9 **9**<sup>1</sup>/<sub>2</sub> 10 101/2 1 6 6 11 60,000 5 Ν 61/2 $6^{1/2}$ 7 71/2 8 9 **9**<sup>1</sup>/<sub>2</sub> 10 101/ 11 12 Μ 9 $9^{1/2}$ 10<sup>1</sup>/ Ν 70,000 6<sup>1</sup>/2 7 $7^{1/2}$ 8 10 12 6 11 $7^{1/2}$ 8 8<sup>1</sup>/2 $9^{1/2}$ 10<sup>1</sup>/ 9 10 12 Ο 100,000 6 11 HUB Ρ 140,000 6 8<sup>1</sup>/2 9 91/ 10 101/ 11 12 12 9<sup>1</sup>/<sub>2</sub> 9 10 101/2 11 12 Q 190,000 8 12 10 245,000 101/2 11 12 12 12 R 8 S 320,000 8 11 12 12 12 13

### Hub Sizes are Based on Use with Commercial Cold Finished Steel Shafting and Keys<sup>①</sup>

Design shear stress = 6,000 psi.

Т

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V

W

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Ζ

400,000

500,000

600,000

720,000

850,000

1.000.000

1,250,000

10

10

10

12

12

12

12

These lengths are the minimum recommended; longer hubs can be furnished at additional cost. For drives, offset hubs, one side flush, are recommended for all Driver sprockets.

Long central hubs are recommended for all DriveN. For improved system performance – fab steel drive sprockets are recommended over cast. ③ For a sprocket without a keyseat, a somewhat smaller hub may be used. Consult Rexnord for assistance.

torsional shear stress.

When torque and bore intersect in one of

these blank spaces, it indicates that the shaft is subject to greater than 6,000 psi 9 91/2 10

1<sup>1</sup>/2 1<sup>3</sup>/4 1<sup>3</sup>/4

12

12 13

13 13 14

13

13

13

14 15 15

15 15 16

14

12 12 12 13 13 14 14

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> > 13 14 14 15 15

13

13 14

14

16 16

14

14

17

2 2 21/2 2<sup>1</sup>/2

### CAST SPROCKETS - (Cont'd.)

**Cast Split Hubs** – For Cast to Order Tooth Sprockets and Traction Wheels (*Hub sizes are based on use with commercial, cold finished, steel shafting and keys.*<sup>①</sup>)

**Use of Tables.** After having determined torque and knowing the required bore, refer to Table No. 1, below, to obtain the hub identification number.

**Hub dimensions** are listed in Table No. 2, below. The hub over-all length (F) – see drawing to the right – is definitely fixed for a given sprocket or wheel pattern and bore. It is determined by standard fixed hub pattern projections (D) and pattern body thickness (E) the latter depending on the sprocket or traction wheel pattern involved.
When length F must be maintained or known, refer to the factory for certified dimensions.
These hubs are furnished central and of fixed length only.

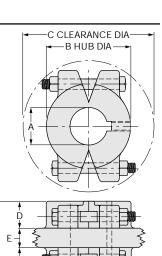


Table No. 1 – Hub Number for Given Class and Bore

Dimensions are in inches. Strengths are in pounds.

Bore	<sup>15</sup> /16	1 <sup>3</sup> /16	17/16	1 <sup>11/</sup> 16	1 <sup>15/</sup> 16	2 <sup>3</sup> /16	2 <sup>7</sup> /16	2 <sup>11</sup> / <sub>16</sub>	2 <sup>15</sup> /16	<b>3</b> <sup>3</sup> /16	37/16	3 <sup>11/</sup> 16	3 <sup>15</sup> /16	4 <sup>7</sup> /16	4 <sup>15</sup> / <sub>16</sub>	5 <sup>7</sup> /16	5 <sup>15</sup> /16	
Sq. Key Size In.	<sup>1</sup> /4	<sup>1</sup> /4	<sup>3</sup> /8	<sup>3</sup> /8	<sup>1</sup> /2	<sup>1</sup> /2	<sup>5</sup> /8	<sup>5</sup> /8	<sup>3</sup> /4	<sup>3</sup> /4	<sup>7</sup> /8	7/8	1	1	1 <sup>1</sup> /4	1 <sup>1</sup> /4	1 <sup>1</sup> /2	
Allow Torque 2	Forque <sup>(2)</sup> Hub Number													•				
500	L2-015	L2-103	L2-107	L2-111	L2-115	L2-203	L2-207	L2-211	L2-215	L2-303			When torque and bore intersect in one of these blank spaces, it indicates that the shaft is larger					
1,000	L2-015	L2-103	L2-107	L2-111	L2-115	L2-203	L2-207	L2-211	L2-215	L2-303	L2-307		than required to transmit the torque produce the chain operating at its working load. Use t first hub diameter below in the same column					
2,000		L2-103	L2-107	L2-111	L2-115	L2-203	L2-207	L2-211	L2-215	L2-303	L2-307	L2-311	the bore required. The correct hub length a torque this hub will safely transmit is found same row as the hub diameter used.				nd in the	
3,500			L2-107	L2-111	L2-115	L2-203	L2-207	L2-211	L2-215	L2-303	L2-307	L2-311	L2-315					
5,600				L2-111	L2-115	L2-203	L2-207	L2-211	L2-215	L2-303	L2-307	L2-311	L2-315	L2-407				
8,500					L2-115	L2-203	L2-207	L2-211	L2-215	L2-303	L2-307	L2-311	L2-315	L2-407	L2-415			
12,500						L2-203	L2-207	L2-211	L2-215	L2-303	L2-307	L2-311	L2-315	L2-407	L2-415	L2-507		
17,000							H2-207	H2-211	L2-215	L2-303	L2-307	L2-311	L2-315	L2-407	L2-415	L2-507	L2-515	
23,000								H2-211	H2-215	L2-303	L2-307	L2-311	L2-315	L2-407	L2-415	L2-507	L2-515	
30,000									H2-215	H2-303	H2-307	L2-311	L2-315	L2-407	L2-415	L2-507	L2-515	
38,000										H2-303	H2-307	L2-311	L2-315	L2-407	L2-415	L2-507	L2-515	
47,000					ersect in						H2-307	H2-311	L2-315	L2-407	L2-415	L2-507	L2-515	
60,000					cates tha than 6,00							H2-311	H2-315	H2-407	L2-415	L2-507	L2-515	
70,000			l shear s		0,00	50 p.51							H2-315	H2-407	L2-415	L2-507	L2-515	
100,000														H2-407	H2-415	L2-507	L2-515	
140,000															H2-415	H2-507	H2-515	
190,000																H2-507	H2-515	
245,000																	H2-515	
				Maximur	n Pitch D	iameter	(Inches)	of Sproc	kets or V	Vheels fo	or Use Wi	thout Rin	m-Lugs					
	15	16	17	18	20	21	22	23	24	26	26	27	28	30	33	37	39	

### Table No. 2 – Standard Split Hubs – Dimensions In Inches

Hub No.	A Bore	В	С	D	E Max.	Wt. Ea. W/Bolts	Hub No.	A Bore	В	С	D	E Max.	Wt. Ea. W/Bolts	Hub No.	A Bore	В	С	D	E Max.	Wt. Ea. W/Bolts
L2-015	<sup>15</sup> /16	2.00	4.31	1.38	1.13	1	L2-215	2 <sup>15</sup> /16	5.25	8.06	1.69	2.00	7	H2-315	3 <sup>15</sup> /16	7.25	11.94	2.50	2.50	-
L2-103	1 <sup>3</sup> /16	2.25	4.56	1.38	1.13	1	H2-215	2 <sup>15</sup> /16	6.00	10.31	2.13	2.00	16	L2-407	47/16	7.50	11.50	2.31	2.50	17
L2-107	1 <sup>7</sup> /16	3.00	5.75	1.56	1.25	4	L2-303	3 <sup>3</sup> /16	6.00	9.44	1.81	2.00	10	H2-407	47/16	8.00	13.88	2.94	2.50	33
L2-111	1 <sup>11</sup> /16	3.50	6.38	1.69	1.25	5	H2-303	3 <sup>3</sup> /16	6.50	10.31	2.13	2.00	16	L2-415	4 <sup>15</sup> /16	8.50	12.88	2.56	2.50	28
L2-115	1 <sup>15</sup> /16	3.75	6.63	1.69	1.50	5	L2-307	37/16	6.25	9.63	1.81	2.00	10	H2-415	4 <sup>15</sup> /16	9.00	14.25	2.94	2.50	37
L2-203	2 <sup>3</sup> /16	4.25	7.25	1.69	1.50	7	H2-307	3 <sup>7</sup> /16	6.75	10.63	2.13	2.00	17	L2-507	5 <sup>7</sup> /16	9.50	14.63	1.75	2.50	37
L2-207	2 <sup>7</sup> /16	4.50	7.38	1.69	1.75	7	L2-311	3 <sup>11</sup> /16	6.75	10.63	2.13	2.00	17	H2-507	5 <sup>7</sup> /16	10.00	17.00	3.50	2.50	65
H2-207	27/16	5.00	8.63	1.81	1.75	9	H2-311	3 <sup>11</sup> /16	7.00	11.63	2.38	2.00	18	L2-515	5 <sup>15</sup> /16	10.00	15.00	1.75	3.00	34
L2-211	211/16	4.75	7.88	1.69	2.00	7	L2-315	3 <sup>15</sup> /16	7.25	11.13	2.25	2.50	25	H2-515	5 <sup>15</sup> /16	11.00	17.50	3.44	3.00	65
H2-211	2 <sup>11</sup> /16	5.50	8.88	1.81	2.00	15														

Rim Lugs. Sprockets and traction wheels with plate (web) body, or small-diameter arm body, require split rim-lugs projecting on each side. When the arm body is sufficiently large, single split rim-lugs are used between the arms. Some chain attachments (as G19) will interfere with projecting split rim-lugs, thus making special construction necessary; refer to factory.

Design shear stress = 6,000 psi
 Inch-Pounds

Note: Dimensions are subject to change. Certified dimensions of ordered material are furnished upon request.

### CAST TOOTH SPROCKETS

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
Teeth         Dia.         Hub Dla.         Hub Length         Max. Bore         Max. Bore         Max. Bore         Wit Bore           25 CAST – PITCH 0.902           Tooth Face at Pitch Line .375 Inches           6         1.80         .62         .5           7         2.08         .88         .6           8         2.36         .94         .88           9         2.64         .94         .8           9         2.64         .94         .8           9         2.64         .94         .8           10         2.92         .118         1.4           11         3.49         .1.48         1.68         1.6           13         3.77         .168         1.68         1.6           14         4.50         .1.68         1.94         2.5           16         4.62         .2.18         2.9           17         4.91         .2.44         3.2           19         5.48         .2.94         3.4           21         6.05         .2.94         3.4           22         6.34         .3.18         4.7      24         6.91         .3.44<
Dial         Length         Bore         Bore           Bore         Bore           25 CAST – PITCH 0.902           Tooth Face at Pitch Line         .375 Inches           6         1.80         .62         .55           7         2.08         .88         .66           8         2.36         .94         .88           9         2.64         1.06         1.1           10         2.92         1.18         1.44           11         3.49         1.68         1.6           13         3.77         1.68         1.7           14         4.50         1.68         1.7           15         4.34         1.94         2.5           16         4.62         2.18         2.9           17         4.91         2.44         3.1           18         5.19         2.44         3.2           19         5.48         2.94         3.4           22         6.34         3.18         4.4           23         6.62         3.18         4.7           24         6.91         3.44         5.8           26         7
25 CAST – PITCH 0.902           Tooth Face at Pitch Line .375 Inches           6         1.80         .62         .55           7         2.08         .88         .66           8         2.36         .94         .88           9         2.64         1.06         1.1           10         2.92         1.18         1.44           11         3.49         1.68         1.6           13         3.77         1.68         1.7           14         4.50         1.68         1.7           14         4.50         1.68         1.7           14         4.50         1.68         1.7           15         4.34         1.94         2.5           16         4.62         2.18         2.9           17         4.91         2.44         3.1           18         5.19         2.44         3.2           19         5.48         2.94         3.4           21         6.05         2.94         4.2           25         7.20         3.44         5.8           26         7.48         3.94         6.3           29         8.34 </th
Tooth Face at Pitch Line .375 Inches61.80.62.5572.08.88.6682.36.94.892.641.061.1102.921.181.4113.491.441.5123.491.681.6133.771.681.7144.501.681.7154.341.942.5164.622.182.94174.912.443.1185.192.443.2195.482.943.4216.052.944.2226.343.184.7246.913.445.2257.203.445.8267.483.946.3288.063.947.2308.634.447.5329.204.949.03610.334.9410.33710.634.9410.3
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8 $2.36$ $$
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11 $3.49$ 1.44 $1.5$ 12 $3.49$ 1.681.613 $3.77$ 1.681.714 $4.50$ 1.681.715 $4.34$ 1.942.516 $4.62$ 2.182.917 $4.91$ 2.443.118 $5.19$ 2.443.119 $5.48$ 2.94 $4.2$ 22 $6.34$ 3.18 $4.4$ 23 $6.62$ 3.18 $4.7$ 24 $6.91$ 3.44 $5.2$ 25 $7.20$ $3.44$ $5.8$ 26 $7.48$ $3.94$ $6.3$ 28 $8.06$ $3.94$ $4.24$ 30 $8.63$ $4.44$ $8.3$ 32 $9.20$ $4.94$ $9.0$ 36 $10.33$ $4.94$ $10.3$
12 $3.49$ 1.68 $1.68$ 13 $3.77$ 1.68 $1.7$ 14 $4.50$ 1.68 $1.7$ 15 $4.34$ 1.94 $2.5$ 16 $4.62$ 2.18 $2.9$ 17 $4.91$ 2.44 $3.1$ 18 $5.19$ 2.44 $3.2$ 19 $5.48$ 2.94 $3.4$ 21 $6.05$ 2.94 $4.2$ 22 $6.34$ 3.18 $4.4$ 23 $6.62$ 3.44 $5.2$ 25 $7.20$ 3.44 $5.2$ 26 $7.48$ 3.94 $6.3$ 28 $8.06$ 3.94 $7.2$ 29 $8.34$ $4.44$ $8.3$ 32 $9.20$ $4.94$ $9.0$ 36 $10.33$ $4.94$ $10.3$
13 $3.77$ 1.68 $1.7$ 14 $4.50$ 1.68 $1.9$ 15 $4.34$ 1.94 $2.5$ 16 $4.62$ 2.18 $2.9$ 17 $4.91$ 2.44 $3.1$ 18 $5.19$ 2.44 $3.2$ 19 $5.48$ 2.94 $3.4$ 21 $6.05$ 2.94 $4.2$ 22 $6.34$ 3.18 $4.4$ 23 $6.62$ 3.18 $4.7$ 24 $6.91$ 3.44 $5.2$ 25 $7.20$ 3.44 $5.8$ 26 $7.48$ 3.94 $7.2$ 29 $8.34$ $4.44$ $7.5$ 30 $8.63$ $4.44$ $8.3$ 32 $9.20$ $4.94$ $9.0$ 37 $10.63$ $4.94$ $10.7$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
15 $4.34$ $1.94$ $2.5$ $16$ $4.62$ $2.18$ $2.9$ $17$ $4.91$ $2.44$ $3.1$ $18$ $5.19$ $2.44$ $3.2$ $19$ $5.48$ $2.94$ $3.4$ $21$ $6.05$ $2.94$ $4.2$ $22$ $6.34$ $3.18$ $4.4$ $23$ $6.62$ $3.18$ $4.7$ $24$ $6.91$ $3.44$ $5.2$ $25$ $7.20$ $3.44$ $5.8$ $26$ $7.48$ $3.94$ $7.5$ $28$ $8.06$ $3.94$ $7.5$ $30$ $8.63$ $4.44$ $8.3$ $32$ $9.20$ $4.94$ $9.0$ $36$ $10.33$ $4.94$ $10.3$ $37$ $10.63$ $4.94$ $10.3$
16 $4.62$ $2.18$ $2.9$ $17$ $4.91$ $2.44$ $3.1$ $18$ $5.19$ $2.44$ $3.2$ $19$ $5.48$ $2.94$ $3.4$ $21$ $6.05$ $2.94$ $4.2$ $22$ $6.34$ $3.18$ $4.4$ $23$ $6.62$ $3.18$ $4.7$ $24$ $6.91$ $3.44$ $5.2$ $25$ $7.20$ $3.44$ $5.8$ $26$ $7.48$ $3.94$ $7.2$ $29$ $8.34$ $4.44$ $7.5$ $30$ $8.63$ $4.44$ $8.3$ $32$ $9.20$ $4.94$ $9.0$ $37$ $10.63$ $4.94$ $10.7$
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19       5.48       2.94       3.4         21       6.05       2.94       4.2         22       6.34       3.18       4.4         23       6.62       3.18       4.7         24       6.91       3.44       5.2         25       7.20       3.44       5.8         26       7.48       3.94       6.3         29       8.34       4.44       7.2         30       8.63       4.44       8.3         32       9.20       4.94       9.0         36       10.33       4.94       10.3         37       10.63       4.94       10.3
21       6.05       2.94       4.2         22       6.34       3.18       4.4         23       6.62       3.18       4.7         24       6.91       3.44       5.2         25       7.20       3.44       5.8         26       7.48       3.94       6.3         28       8.06       3.94       7.2         29       8.34       4.44       7.5         30       8.63       4.44       8.3         32       9.20       4.94       9.0         36       10.33       4.94       10.3         37       10.63       4.94       10.3
22       6.34       3.18       4.4         23       6.62       3.18       4.7         24       6.91       3.44       5.2         25       7.20       3.44       5.8         26       7.48       3.94       6.3         28       8.06       3.94       7.2         29       8.34       4.44       7.5         30       8.63       4.44       8.3         32       9.20       4.94       9.0         36       10.33       4.94       10.3         37       10.63       4.94       10.3
24       6.91       3.44       5.2         25       7.20       3.44       5.8         26       7.48       3.94       6.3         28       8.06       3.94       7.2         29       8.34       4.44       7.5         30       8.63       4.44       8.3         32       9.20       4.94       9.0         36       10.33       4.94       10.3         37       10.63       4.94       10.3
25       7.20       3.44       5.8         26       7.48       3.94       6.3         28       8.06       3.94       7.2         29       8.34       4.44       7.5         30       8.63       4.44       8.3         32       9.20       4.94       9.0         36       10.33       4.94       10.3         37       10.63       4.94       10.3
26       7.48       3.94       6.3         28       8.06       3.94       7.2         29       8.34       4.44       7.5         30       8.63       4.44       8.3         32       9.20       4.94       9.0         36       10.33       4.94       10.3         37       10.63       4.94       10.3
28         8.06         3.94         7.2           29         8.34         4.44         7.5           30         8.63         4.44         8.3           32         9.20         4.94         9.0           36         10.33         4.94         10.3           37         10.63         4.94         10.3
29         8.34         4.44         7.5           30         8.63         4.44         8.3           32         9.20         4.94         9.0           36         10.33         4.94         10.           37         10.63         4.94         10.
30         8.63         4.44         8.3           32         9.20         4.94         9.0           36         10.33         4.94         10.           37         10.63         4.94         10.
32         9.20         4.94         9.0           36         10.33         4.94         10.3           37         10.63         4.94         10.3
36         10.33         4.94         10.           37         10.63         4.94         10.
37 10.63 4.94 10.3
52 14.94 4.94 14.
32 CAST – PITCH 1.154
Tooth Face at Pitch Line .500 Inches
6 2.31 .94 1.0
7 2.66 .94 1.2
8         3.02         1.18         1.3           9         3.37         1.18         1.5
10         3.73         1.44         1.7           11         4.10         1.94         2.0
12 4.46 2.18 2.5
13 4.82 2.18 2.9
14 5.19 2.44 3.4
15 5.55 2,94 4.0
16 5.92 3.18 4.2
17 6.28 3.18 4.7
18 6.65 3.44 5.2
19 7.01 3.94 5.8
20         7.38         3.94         6.3           22         8.11         4.44         7.5
22         8.11         4.44         7.5           24         8.84         4.94         9.0
25 9.21 5.44 10.0
26         9.57         ③         11.           28         10.31         12.0
20 7.37
28         10.31         12.           32         11.77         15.           34         12.51         17.
28         10.31         12.           32         11.77         15.           34         12.51         17./           38         13.97         17./
28         10.31         12.           32         11.77         15.           34         12.51         17.

No. of	Pitch	<u> </u>			Cast to Order	Avg. Wt.
Teeth	Dia.	Hub Dia.	Hub Length	Max. Bore	Max.	Hub
	1		T – PIT		Bore	Dla.
T					25 Inche	S
6	2.75				.94	1.3
7	3.17 3.59				1.18 1.18	1.7 2.8
9	4.02				1.68	3.2
10	4.45				1.94	3.5
11 12 <sup>①</sup>	4.88 5.31				2.18 2.68	5.5 4.9
13	5.75				2.00	5.5
14	6.18				3.18	6.0
15	6.66				3.44	6.5
16 18	7.03				3.94 4.44	7.5 9.5
19	8.34				3	10.5
20	8.77					11.5
21	9.21 9.65					12.5 13.5
24	10.51					16.0
27	11.82					17.5
28 32	12.25 14.03					18.0 23.0
41	17.97					31.0
		5 CAS	T – PIT	CH 1.6	30	
T					37 Inche	es
5	AIS 2.77	o avai	lable in	polym	eric. .94	1.3
61	3.26	2.00	1.50	1.25	1.18	2.3
71	3.76	2.50	1.50	1.62	1.68	2.6
8S <sup>①</sup> 8L	4.26 4.26	3.00 3.00	1.50 2.00	1.82 2.25	1.94 2.18	4.0 5.5
91	4.77	2.50	1.50	1.62	2.18	3.8
101	5.27	2.50	1.50	1.62	2.18	7.0
11 12S	5.79 6.30	4.00 2.50	3.00 2.00	2.50 1.62	2.68 2.94	10.3 6.3
12U	6.30	4.00	3.00	2.50	2.94	10.5
13	6.81	4.00	3.00	2.50	3.68	11.5
14 15	7.33	3.50	2.00	2.25	3.94 4.44	10.1 12.9
16	8.36	3.50	2.00	2.25	4.44	12.9
17	8.87				4.44	12.0
18 19	9.39	2.50	2.00	1.18	5.44 5.44	14.5 13.8
20	9.90	4.00	3.00	2.50	5.44	15.8
21	10.93				6.50	16.3
22 23	11.45 11.97				7.00 7.50	18.6 20.8
23	12.49	4.00	3.00	2.50	8.00	20.8
25	13.01					23.4
26	13.53					24.6
27	14.07 14.54					25.8 27.0
30	15.60					29.0
31	16.11					30.0
32 34	16.64 17.68					31.0 32.0
35	18.18					33.0
36	18.68					34.0
38 39	19.75 20.26					36.0 37.0
40	20.20					38.0
42	21.81					40.0
44 45	22.85 23.37					42.0 43.0
43	24.94					43.0
58	30.11					57.0

		Stocke	d Sproc	kets ②	Cast to	
No. of Teeth	Pitch Dia.	Hub	Hub	Max.	Order Max.	Avg. Wt.
	-		Length	Bore	Bore	
т			T – PIT			
12	00th Fa	ice at	PITCH L	ine .50	52 Inche	es 3.5
15	5.46				2.44	5.0
18	6.58				3.18	6.0
			T – PIT			
					52 Inche 51 (Stee	
6	2.31		,		.94	1.2
7	2.65 3.02				.94 .94	2.0 2.4
9	3.37				.94	2.4 3.0
10	3.75				1.44	3.4
11	4.10				1.44	3.8
12 13	4.46				1.94 2.18	4.0 4.5
14	5.19				2.18	5.5
15	5.54				2.44	6.0
16 17	5.90 6.19				2.94 3.18	6.8 7.4
17	6.63				3.18	7.4
19	7.02				3.44	8.0
20 21	7.35				3.94 4.44	8.4 9.0
21	8.12				4.44	9.0 9.5
24	8.85				4.94	11.0
25	9.19				3	12.5
26 27	9.58 9.95					13.0 13.8
28	10.32					14.5
30	11.05					16.0
31 32	11.42 11.75					16.5 17.0
33	12.15					17.8
34	12.52					18.0
36 40	13.25 14.66					19.0 23.0
55	20.23					38.0
			T – PIT			
5	ooth Fa 2.56	ice at	Pitch L	ine .62	25 Inche	es 2.3
6	3.01				.94	3.5
7	3.47				.94	4.0
8 91	3.94 4.40	2 00	1.50	1.82	1.68 1.94	4.4 3.3
10	4.40	3.00 3.00	2.00	1.82	2.18	3.3
11	5.34				2.68	4.3
12 13	5.82	3.00	2.00	1.82	2.68	5.4
13	6.29 6.77	4.00	3.00	2.50	2.94 3.18	5.8 11.1
15	7.24		0.00	2.00	3.68	7.4
16	7.72	4.00	3.00	2.50	3.94	12.0
17 18	8.20 8.67				4.44 4.44	9.0 14.0
19	9.15				3	12.0
20	9.60					14.0
21 22	10.10 10.56					15.0 17.0
23	11.06					17.0
24	11.54	4.00	3.00	2.50		21.0
25 26	12.00 12.49				3	22.0 23.0
20	12.49				0	23.0 19.0
28	13.45					19.0
52 Cast	continu	ed on I	next pag	е		

### CAST TOOTH SPROCKETS - (Cont'd.)

Order

Avg. Wt.

Stocked Sprockets 2 Cast to

Hub Hub Max. Max.

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R
Р

No. of Pitch

Teeth Dia.

eeth	Dia.		Hub Length		Max. Bore	Wt.
					Cont'd.)	
		ice at	Pitch L	ine .62	25 Inche	
32	15.33					22
34	16.32					32
35	16.80					27
36	17.28					31
37	17.72					30
38	18.24					32
40	19.15					34
42	20.16					35
44	21.11					39
48	23.03					45
50	23.98					48
60	28.78					58
75	39.95					78
Т			T – PIT Pitch I		31 87 Inche	20
5	2.77	ice al	TICHL		.94	2
6	3.26				.94	3
70	3.76	2.50	1.50	1.62	.94 1.68	2
80	4.26	2.50	1.50	1.62	1.68	2
9	4.20	2.50	2.00	1.94	1.00	3
9 10	5.28	3.50	2.00	2.18	2.18	4
10	5.79	4.50	2.00	2.10	2.10	9
12	6.30	4.50	3.00	2.88	2.94	11
12	6.82	4.50	3.00	2.00	2.94 3.18	10
13 14	7.33	1 50	3.00	200	3.68	17
14 15	7.84	4.50	3.00	2.88	3.68 3.94	17
15 16	8.36	4.50	3.00	2.88	3.94 4.44	16
10 17		4.50	3.00	2.00	4.44	17
17 18	8.88 9.39	4.50	3.00	200	4.44	17
		4.30	3.00	2.88		-
19 20	9.90	1 50	2.00	200	5.44	20
	10.43	4.50	3.00	2.88	5.44	22
21	10.94				5.94	23
22	11.43				5.94	24
23	11.97	F 00	4.00	2.05	6.50	26
24	12.50	5.00	4.00	3.25	6.50	33
26	13.53					31
27	14.07					24
28	14.54					25
29	15.08					26
30	15.60					27
31	16.11					23.5
32	16.64					29
34	17.68					31
35	18.20					32
36	18.68					33
38	19.75					35
40	20.79					37
41	21.31					36
48	24.94					45
50	25.98					47
54	28.00					50
<b>—</b>			ST – PIT			
		ice at	Pitch L	ine .93	38 Inche	
6	4.61				0.40	4
7	5.32				2.68	8
8	6.03				2.88	8.4
9	6.75				2.94	13
10	7.46				3.18	14
13	9.64					27

All dimensions given in inches and weight in Lbs. <sup>(1)</sup> Hub one side. All other hubs are long central. <sup>(2)</sup> If no hub data is listed, sprocket is cast to order. <sup>(3)</sup> Consult Rexnord for max. bore information. <sup>(4)</sup> For 962 chain, use unit no. 62 sprocket from 6 to 23

teeth, over 23 teeth, consult Rexnord,

Cast to Stocked Sprockets 2 Pitch No. of Order Avg. Wt. Hub Hub Max. Teeth Dia. Max. DIa. Length Bore Bore 62 CAST - PITCH 1.654 (With Hardened Teeth) Tooth Face at Pitch Line .812 Inches 5 2.81 1.56 3.32 94 2.50 2.00 7 1.62 3.82 1.68 2 8 4.32 3.00 2.00 1.82 1.94 4 9 4.84 3.00 2.00 1.82 1.94 5 2.50 5.35 10 4.00 3.00 2.68 9 2.50 11 5.87 4.00 3.00 2.68 9 2.00 1.82 2.94 7 12 6.39 3.00 13 6.91 4.00 3.00 2.50 3.18 14 14 7.43 5.00 3.00 3.25 3.68 24 15 7.96 5.50 4.00 3.62 3.94 26 16 8.48 4.44 25 17 9.00 4.44 26 18 9.53 5.50 4.00 3.62 4.94 28 19 10.05 4.00 3.00 2.50 5.44 22 4.00 20 10.57 5.50 3.62 5.44 32 21 11.10 5.94 39 22 5.94 11.63 27 23 12.15 5.94 30 24 12.67 5.00 3.00 3.25 6.50 36 25 13.20 6.50 36 26 13.72 7.00 36 27 14.25 7.00 58 7.50 28 14.77 60 29 15.30 31.6 30 15.83 7.50 44 32 16.88 8.00 48 33 17.44 8.00 50 34 17.93 8.00 77 36 18.98 90 3 38 20.03 6.00 4.00 4.00 93 39 20.55 61 40 21.07 40.2 41 21.61 65 42 22.13 72 22.66 23.71 43 74 77 45 46 24.24 80 47 24.77 48.6 48 25.29 83 49 25.82 84 54 28.45 93 60 31.60 71 67 CAST – PITCH 2308 (With Hardened Teeth) Tooth Face at Pitch Line .687 Inches 5 3.93 1.18 4 6 4.62 3.00 2.00 1.82 1.94 4 7 5.32 3.50 3.00 2.18 2.18 8 8 4.00 3.00 2.50 6.03 2.68 11 9 6.75 4.50 3.00 2.88 2.94 13 10 4.50 2.88 7.47 3.00 3.18 15 2.88 11 8.19 4.50 3.00 3.94 16 12 8.92 3.00 2.88 4.50 4.44 18 13 9.64 4.44 18 14 10.37 5.00 3.00 5.44 3.25 28 15 11.10 5.44 27 16 11.83 5.00 3.00 3.25 6.50 30 12.56 17 7.00 31 18 13.29 7.00 34 19 14.02 7.50 37 3.25 20 14.75 5.00 4.00 7.50 47 21 15.49 3 43 22 16.22 24 16.95 23 48

		Stocke	d Sproc	kets ②	Cast to	
No. of Teeth	Pitch Dia.	Hub	Hub	Max.	Order Max.	Avg. Wt.
	67 CA		Length PITCH 2	Bore	Bore	
			lardene			
T	ooth Fa	ice at	Pitch L	ine .68	37 Inche	es
25	Als 18.41	o avai	lable in	polym	ieric.	53
26	19.14					54
27	19.89					59
28 30	20.61 22.07				3	34 67
32	23.54				-	23
33	24.27					75
34 35	25.00 25.74					78 80
36	26.47					84
38	27.94					88
40	29.40 32.34					94
44 45	32.34					120 125
48	35.27					115
60	44.08					148
T.			T – PIT Pitch I		. <b>09</b> 37 Inch€	20
			lable in			5
5	4.44	2.00	2.00	1 4 4	1.18	5
6 7	5.22 6.00	3.00 4.00	2.00 3.00	1.44 2.44	1.94 2.94	6 11
8	6.82	4.50	3.00	2.50	2.94	15
9	7.63	4.50	3.00	2.50	3.18	24
10 11	8.44 9.26	4.50 5.00	3.00 4.00	2.75 3.25	3.94 4.44	19 29
12	10.08	6.00	4.00	4.00	5.44	40
13	10.90	5.00	4.00	3.25	5.44	36
14 15	11.72 12.55	5.00 6.00	4.00 4.00	3.25 4.00	6.50 7.00	39 44
16	13.37	6.00	5.00	4.00	7.00	55
17	14.20	5.00	4.00	3.25	7.50	53
18 19	15.02 15.85	6.00	4.00	4.00	7.50 ③	61 64
20	16.68	6.00	5.00	4.00	-	89
21	17.50					90
22 23	18.33 19.16	6.00	5.00	4.00		87 95
23	19.10	7.00	5.00	4.56		111
25	20.77					99
26	21.64					107
27 28	22.42 23.31					112 114
29	24.13					116
30 31	24.96 25.79					119 123
32	26.62					85
33	27.38					136
34 35	28.28 29.11					141 146
35	29.11					146
38	31.60					162
39 40	32.42 33.25	8.00	6.00	5.50		176 267
40	34.08	0.00	0.00	5.50		180
42	34.91					193
43 44	35.65					197
44 45	36.57 37.31					202 190
46	38.18					212
48 54	39.89 44.87					221
54	44.87 45.70					249 253
58	48.19					267

Note: Dimensions are subject to change. Certified dimensions of ordered material are furnished upon request.

24

17.60

50

### CAST TOOTH SPROCKETS - (Cont'd.)

					Cast to	
No. of	Pitch				Order	Avg.
Teeth	Dia.	Hub Dla.	Hub Length	Max. Bore	Max. Bore	Wť.
H10	2 DRUN	/ FLA	NGED C	AST –	PITCH 5	.000
					250 Inch	
8	13.07				6.50	160
10	16.18				7.00	175
			ST – Pľ			
To	oth Fa	ce at	Pitch Li	ine 6.2	250 Inch	
6	10.00				3.94	70
7	11.52				4.94	80
8	13.07 14.62				6.50 7.00	100 120
10	14.02				3	120
12	19.32				٢	165
13	20.89					180
		2B CA	st – pľ	TCH 4.	000	100
	(	With H	lardene	ed Teet	:h)	
		ce at	Pitch Li	ine 1.8	75 Inch	
6	8.00				3.94	31
7	9.22				3.94	44
8	10.45 11.70	7.00	5.00	4.56	4.44 5.44	57 64
10	12.94	7.00	5.00	4.56	7.00	74
11	14.20	7.00	5.00	4.56	7.50	87
12	15.45	7.00	5.00	4.56	8.00	90
13	16.71	1100	0100		8.00	116
14	17.98	7.00	5.00	4.56	8.50	124
15	19.24	7.00	5.00	4.56		122
16	20.50	7.00	5.00	4.56		128
17	21.76					111
18	23.04	7 00	F 00	4.50		155
19	24.30	7.00	5.00	4.50		165
20 21	25.57 26.84					175 185
22	28.11					103
24	30.65					214
		<sup>1</sup> /2 C/	AST – P	ITCH 4	.040	
			lardene			
		ce at	Pitch Li	ine 1.8	75 Inch	
6	8.08				3.94	30
8	10.56 11.81				4.44 5.44	55 62
10	13.07				5.44	62 64
10	14.34				6.50	70
12	15.61				7.00	78
13	16.88				7.50	85
14	18.16					94
15	19.43					105
16	20.71					112
17	21.98					122
19	24.55					140
20	25.83					150
22 24	28.39					175 190
24	30.95 32.23					210
25	32.23 33.33					210
20	55.55			I	I	230

	Con	ť a.)	Ctal	d Cross -	kote @	Cast to	
ļ	No. of	Pitch		· ·		Cast to Order	Avg.
ļ	Teeth	Dia.	Hub Dla.	Hub Length	Max. Bore	Max. Bore	Wť.
		1(		ST – PIT			
				lardene			
	To			Pitch Li lable in		25 Inche Peric	es.
ļ	6	6.15			PolyII	1.94	20
	7	7.09				2.68	23
	8	8.04	5.50	4.00	3.62	2.94	31
	9	8.99	5.50	4.00	3.62	3.68	42
	10 11	9.95 10.91	6.00 6.00	4.00 4.00	4.00 4.00	4.44 4.94	41 45
	12	11.88	6.50	4.00	4.00	4.94 5.44	45 57
	13	12.85	0.00	4.00	4.00	0.44	59
	14	13.82					63
	15	14.79				7.00	75
	16	15.76					76
	17	16.74				8.00	100
	18	17.71	6.50	4.00	4.50	8.00	93
ļ	19 20	18.68 19.66	7.00 7.00	5.00 5.00	4.56 4.56	8.50 ③	114 98
ļ	20	20.63	7.00	5.00	4.50	Ű	98 114
	22	20.03					122
	23	22.58					131
	24	23.56					128
	25	24.54					144
	26	25.51					151
	27	26.49					157
	28	27.49					164
	29 30	28.44 29.42					170 177
	31	30.39					184
	32	31.37					132
	33	32.35					197
	34	33.33					142
	35	34.30					210
	36	35.28					216
	38	37.24					230
	40	39.19					243
	42 44	41.15 43.11					256 269
	44	47.02					209
ļ	49	48.00					301
ļ			04 CA	ST – Pľ	TCH 6.	000	
ļ	То	oth Fac	ce at l	Pitch Li	ne 4.0	00 Inche	es.
	5	10.21					52
	6	12.00					64
	7	13.83 15.68				7.00	70 100
	9	17.54				3	112
	10	19.42					126
	11	21.30					130
	12	23.18					149
ļ	13	25.07					185
ļ						PITCH 6	
ļ			ce at l	Pitch Li	ne 4.0	00 Inche	
	9 10	17.54 19.42					240 290
	10	17.42					290

r		Stocke	d Sproc	kets ②	Cast to	
No. of Teeth	Pitch Dia.	Hub	Hub	Max.	Order Max.	Avg. Wt.
Teeur	Dia.		Length		Bore	VVI.
			ST – PIT			
To	· · ·		lardene Pitch Li		n) 75 Inche	29
6	12.00		Iton Ei		3.94	63
7	13.84					68
8	15.68	7.00	5.00	4.56	4.94	121
9 9.5	17.54 18.45	7.00	5.00	4.56	5.44	98 120
10	19.42	7.00	5.00	4.56	5.94	123
11	21.30				7.00	143
11.5	23.00				3	126
12 12.5	23.18 24.12					256 124
12.5	24.12 25.07	7.00	5.00	4.50		124
14	26.96	1100	0.00	1100		107
16	30.76					181
18 19	34.55 36.46					206 214
19		10 CA	ST – Pľ	ГСН 6	000	214
			lardene			
Tooth \		t Pitch	Line N	latches	s Barrel I	
5	10.15					120
6	12.00 15.68				5.44 ③	100 150
9	17.54				-	180
10	19.42					217
11	21.30					225
12	23.18					296
15 <b>H11</b>	28.86 1 DRIIN	I FLAN	IGED C	AST –	PITCH 6	610
	(	With H	lardene	d Teet	h)	
		ce at l	Pitch Li	ne 8.8	75 Inche	
8	15.68 17.54				3	310
9 10	17.54 19.42					360 410
11	21.30					450
	11	1 CAS	ST – PIT	CH 4.	760	
- T			lardene			
6	oth Fac 9.52	ce at I	Pitch Li	ne 2.3	75 Inche	es. 47
7	10.99					54
8	12.44	7.50	6.00	5.06	5.94	98
9	13.92	7.54	(	5.6.1	5.94	107
10	15.40 16.90	7.50	6.00	5.06	3	122 136
12	18.39	6.00	5.00	3.44		130
13	19.89					170
14	21.39					175
15	22.89	7 50	6.00	4.02		134
16 17	24.40 25.90	7.50	6.00	4.82		189 218
18	27.41					185
20	30.43					510
22	33.44					230
24	36.47		DITCU	DITCI	4.760 8	351
THSP			lardene			x 7.240
	oth Fac				75 Inche	
8	15.74					90
10	19.40					107

**SPROCKETS** 

CAST TOOTTH SPROCKETS -         No. of Dick Pitch Sprockets © Cast to Dick Bace at Pitch Line 9.000         Tooth Face at Pitch Line 9.000 Inches.         T 18.44       6.94       230         Tooth Face at Pitch Line 9.000 Inches.         T 18.44       6.94       230         Tooth Face at Pitch Line 12.750 Inches.         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       4.604         H120 CAST – PITCH 6.000         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       4.44       9         Tooth Face at Pitch Line 8.750 Inches.         6       12.00         Tooth Face at Pitch Line 8.750 Inches.         6       12.00         Tooth Face at Pitch Line 8.025 Inches.         8       23.52       9.00         Tooth Face at Pitch Line 8.020 Inches.         Tooth Face at Pitch Line 6.250 Inches.         8       23.52       9.00         Tooth Face at Pitch				ти с			FTC	
No. of Teeth         Pitch Dia.         Hub La.         Hub Length         Max. Bore         Avg. Max. Bore         Avg. Max. Bore           Tooth Face at Pitch Line 9.000 Inches.         7         18.44         6.94         230           7         18.44         6.94         230           8         20.90         9         9         267           H116 CAST - PITCH 8.000           Tooth Face at Pitch Line 12.750 Inches.         7         18.44         400           8         20.90         4.44         95           H120 CAST - PITCH 6.000           Tooth Face at Pitch Line 3.625 Inches.         6         12.00         4.44         95           H120 CAST - PITCH 9.000           Tooth Face at Pitch Line 8.750 Inches.           6         12.00         5.44         130           8         15.68         6.94         250           9         17.54         190         10         19.42         215           H121 CAST - PITCH 9.000           Tooth Face at Pitch Line 8.025 Inches.           8         23.52         9.50         6.44         10           H121 CAST - PITCH 9.000 <td col<="" td=""><td>CAS</td><td></td><td></td><td></td><td></td><td></td><td>-13-</td></td>	<td>CAS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-13-</td>	CAS						-13-
Itel         Dia.         Length         Bore         Bore           Bore         Bore           H112 CAST – PITCH $3.000$ Tooth Face at Pitch Line 9.000 Inches.           7         18.44         6.94         230           Bore $@$ 267           H116 CAST – PITCH $3.000$ Tooth Face at Pitch Line 12.750 Inches.           7         18.44         400           8         20.90         6.94         325           9         23.39         460           Tooth Face at Pitch Line 3.625 Inches.           6         12.00         4.44         95           H120 CAST – PITCH $5.000$ Tooth Face at Pitch Line 8.750 Inches.           6         12.00         5.44         130           8         15.68         6.94         250           9         17.54         190         10         19.42           Tooth Face at Pitch Line 8.020 inches.           8         23.52         9.50         6.44         H122 CAST – PITCH 9.000           Tooth Face at Pitch Line 6.250 inches.           8						Order		
Tooth Face at Pitch Line 9.000 Inches.         7       18.44       6.94       230         8       20.90       9       267         H116 CAST – PITCH 8.000         Tooth Face at Pitch Line 12.750 Inches.         7       18.44       400         8       20.90       6.94       325         9       23.39       460         H110 CAST – PITCH 6.000         Tooth Face at Pitch Line 3.625 Inches.       6       12.00       5.44       130         8       15.68       6.94       250         9       7.54       190         10       5.44       130         8       15.68       6.94       250         9       17.54       190       10       19.42         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44       1124         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 1.500 Inches. <td>Teeth</td> <td>Dia.</td> <td></td> <td></td> <td></td> <td>-</td> <td>WVť.</td>	Teeth	Dia.				-	WVť.	
7       18.44       6.94       230         8       20.90 $\textcircled{3}$ 267         H116 CAST – PITCH 8.000         Tooth Face at Pitch Line 12.750 Inches.         7       18.44       400         8       20.90       6.94       325         9       23.39       460         H110 CAST – PITCH 6.000         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       10       19.42         Tooth Face at Pitch Line 8.750 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       10       19.42         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44       142         H120 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 Inches.         7       18.44       210       10         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 1.500 Inches. <td></td> <td>H1<sup>-</sup></td> <td>12 CA</td> <td>ST – Pl</td> <td>ГСН 8</td> <td>.000</td> <td></td>		H1 <sup>-</sup>	12 CA	ST – Pl	ГСН 8	.000		
8       20.90       (3)       267         H116 CAST – PITCH 8.000         Tooth Face at Pitch Line 12.750 Inches.         7       18.44       400         8       20.90       6.94       325         9       23.39       4400         H119 CAST – PITCH 6.000         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       5.44       95         H120 CAST – PITCH 6.000         Tooth Face at Pitch Line 8.750 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       10       19.42         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210       215         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       100         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11			ce at l	Pitch Li	ne 9.0			
H116 CAST – PITCH 8.000           Tooth Face at Pitch Line 12.750 Inches.           7         18.44         400           8         20.90         6.94         325           9         23.39         4600           H119 CAST – PITCH 6.000           Tooth Face at Pitch Line 3.625 Inches.           6         12.00         4.44         95           H120 CAST – PITCH 6.000           Tooth Face at Pitch Line 8.750 Inches.           6         12.00         5.44         130           8         15.68         6.94         250           9         17.54         190         100         19.42           Tooth Face at Pitch Line 8.625 Inches.           8         23.52         9.50         6.44         1200           H121 CAST – PITCH 9.000           Tooth Face at Pitch Line 8.020 inches.           7         18.44         210         210           H123 CAST – PITCH 9.000           Tooth Face at Pitch Line 6.250 inches.           8         23.52         9.50         6.44           H124 CAST – PITCH 4.000           With Hardened								
Tooth Face at Pitch Line 12.750 Inches.         7       18.44       400         8       20.90       6.94       325         9       23.39       4600         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       4.44       95         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       190         10       19.42       215       190         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44       190         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       100         H124 CAST – PITCH 4.000         (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22	0		16 CA	ST – Pľ	ГСН 8	-	207	
8       20.90       6.94       325         9       23.39       460         H119 CAST – PITCH 6.000         Tooth Face at Pitch Line $3.625$ Inches.         6       12.00       4.44       95         H120 CAST – PITCH 6.000         Tooth Face at Pitch Line $8.750$ Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       100       19.42         Tooth Face at Pitch Line $8.625$ Inches.         8       23.52       9.50       6.44       190         Tooth Face at Pitch Line $8.000$ inches.         7       18.44       210       210         H122 CAST – PITCH $9.000$ Tooth Face at Pitch Line $6.250$ inches.         8       23.52       9.50       6.44       100         H122 CAST – PITCH $9.000$ Tooth Face at Pitch Line $1.500$ inches.         8       23.52       9.50       6.44       100         H124 CAST – PITCH $9.000$ Tooth Face at Pitch Line $1.500$ inches.         7       9.22	To						ies.	
9       23.39       460         H119 CAST – PITCH 6.000         Tooth Face at Pitch Line 3.625 Inches.         6       12.00       4.44       95         H120 CAST – PITCH 6.000         Tooth Face at Pitch Line 8.750 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       10       19.42       215         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52 9.50       6.44       14         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210         H124 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52 9.50       6.44       14         H124 CAST – PITCH 4.000         (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44								
The product of the sector of	-					6.94		
Tooth Face at Pitch Line 3.625 Inches.         6       12.00       4.44       95         H120 CAST – PITCH 6.000         Tooth Face at Pitch Line 8.750 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       100         Intel CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52 9.50       6.44       100         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210         H124 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52 9.50       6.44         H124 CAST – PITCH 4.000         (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       58         10       12.94       5.44       62 <td>,</td> <td></td> <td>19 CA</td> <td>ST – Plī</td> <td>ГСН 6</td> <td>.000</td> <td>400</td>	,		19 CA	ST – Plī	ГСН 6	.000	400	
H120 CAST - PITCH 6.000           Tooth Face at Pitch Line 8.750 Inches.           6         12.00         5.44         130           8         15.68         6.94         250           9         17.54         190         10         19.42         215           H121 CAST - PITCH 9.000           Tooth Face at Pitch Line 8.625 Inches.           8         23.52         9.50         6.44         210           H122 CAST - PITCH 9.000           Tooth Face at Pitch Line 8.000 inches.           7         18.44         210         210           H122 CAST - PITCH 9.000           Tooth Face at Pitch Line 6.250 inches.           8         23.52         9.50         6.44         210           H122 CAST - PITCH 9.000           Tooth Face at Pitch Line 1.500 inches.           7         9.22         3.94         38           8         10.45         4.94         46           9         11.70         5.44         58           10         12.94         5.44         62           11         14.20         5.94         69           12	To						es.	
Tooth Face at Pitch Line 8.750 Inches.         6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       190         10       19.42       215       190         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44       210         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98 <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>95</td>	6						95	
6       12.00       5.44       130         8       15.68       6.94       250         9       17.54       190       10         10       19.42       215         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44       10         H122 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         7       18.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       11         H124 CAST – PITCH 9.000         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         10       12.94       5.44       58         10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98       39       9       100         16       20.50       122       136       1417         19       2	T							
8       15.68       6.94       250         9       17.54       190         10       19.42       215         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44       190         H122 CAST – PITCH 8.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       190         H124 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       191         Tooth Face at Pitch Line 1.000 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       58         10       12.94       100       16         12       15.45       6.50       82         14       17.98       290       37			ce at l	Pitch Li	ne 8.7			
10       19.42       215         H121 CAST – PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44         H122 CAST – PITCH 8.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44         H124 CAST – PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98       ®       ®       9         15       19.24       100       100       16         16       20.50       122       17       136         18       23.04       147       147       19         24								
H121 CAST - PITCH 9.000         Tooth Face at Pitch Line 8.625 Inches.         8       23.52       9.50       6.44         H122 CAST - PITCH 8.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210         H123 CAST - PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44         H124 CAST - PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98       ®       ®       9         15       19.24       100       100       16         16       20.50       1222       17       136         18       23.04       147       19       24.30       147         19       24.30       250 <td< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>	-						-	
Tooth Face at Pitch Line 8.625 Inches.         8 23.52 9.50 6.44         H122 CAST – PITCH 8.000         Tooth Face at Pitch Line 8.000 inches.         7 18.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8 23.52 9.50 6.44       H124 CAST – PITCH 4.000         With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       58         10       12.94       5.94       69         12       15.45       6.50       82         14       17.98       ®       9       98         15       19.24       100       100       16       20.50       122         17       21.77       136       147       19       24.30       1477         19       24.30       24.0       100       240       240         27       34.46       240       250	10		21_04	ST DI		000	215	
8       23.52       9.50       6.44         H122 CAST – PITCH $3.000$ Tooth Face at Pitch Line $8.000$ inches.         7       18.44       210         H123 CAST – PITCH $9.000$ Tooth Face at Pitch Line $6.250$ inches.         8       23.52       9.50       6.44         H124 CAST – PITCH $4.000$ (With Hardened Teeth)         Tooth Face at Pitch Line $1.500$ inches.         7       9.22 $3.94$ 38         8       10.45 $4.94$ 46         9       11.70 $5.44$ 58         10       12.94 $5.94$ 69         12       15.45 $6.50$ 82         14       17.98 $@$ $@$ 98         15       19.24       100       16       20.50       122         17       21.77       136       147       19       24.30       147         19       24.30       147       19       24.30       147         19       24.30       240       240       240         27       34.46       240       250       30       38.27	To						20	
H122 CAST – PITCH 8.000         Tooth Face at Pitch Line 8.000 inches.         7       18.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44         H124 CAST – PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       58         10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98       ®       ®       98         15       19.24       100       100       16       20.50       1222         17       21.77       136       147       19       24.30       147         19       24.30       147       147       19       24.30       147         19       24.30       24.0       240       250       30 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>53.</td></t<>							53.	
7       18.44       210         H123 CAST – PITCH 9.000         Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44         H124 CAST – PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.500 inches.         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       69         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98       ®       ®       98         15       19.24       100       16       20.50       122         17       21.77       136       147       19       24.30       147         19       24.30       147       147       19       24.30       1447         19       24.30       25.7       161       240       240         27       34.46       240       240       250         30       38.27       250       30       38.27         28 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>.000</td><td></td></td<>						.000		
H123 CAST – PITCH 9.000           Tooth Face at Pitch Line 6.250 inches.           8         23.52         9.50         6.44         H124 CAST – PITCH 4.000           With Hardened Teeth)           Tooth Face at Pitch Line 1.500 inches.           7         9.22         3.94         38           8         10.45         4.94         46           9         11.70         5.44         58           10         12.94         5.44         62           11         14.20         5.94         69           12         15.45         6.50         82           14         17.98         ®         ®         98           15         19.24         100         100           16         20.50         1222         17         21.77           19         24.30         14177         136         1477           19         24.30         154         240         250           20         25.57         161         22         28           21         38.27         250         290         37           30         38.27         290         21         410 <td>То</td> <td></td> <td>ce at l</td> <td>Pitch Li</td> <td>ne 8.0</td> <td>00 inche</td> <td>es.</td>	То		ce at l	Pitch Li	ne 8.0	00 inche	es.	
Tooth Face at Pitch Line 6.250 inches.         8       23.52       9.50       6.44       Image: colspan="2">Image: colspan="2"         7       9.22       3.94       38         8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98       98       98       100         16       20.50       122       17       136         18       23.04       14       17.98       100         16       20.50       122       136       147         19       24.30       14       177       136         18       23.04       14       177       136         27       34.46       240       240       240         28       35.73       250       250       30       38.27       161      <	7			CT DI		000	210	
8       23.52       9.50       6.44       Image: constraint of the sec at a constraint o	To						26	
H124 CAST – PITCH 4.000 (With Hardened Teeth))           Tooth Face at Pitch Line 1.500 inches.           7         9.22 $3.94$ 38           8         10.45 $4.94$ 46           9         11.70 $5.44$ 58           10         12.94 $5.44$ 62           11         14.20 $5.94$ 69           12         15.45 $6.50$ 82           14         17.98 $3$ 98           15         19.24 $100$ 16222           17         21.77 $136$ 122           17         21.77 $136$ 1477           19         24.30 $1477$ 136           18         23.04 $1477$ 147           19         24.30 $2400$ 2400           28         35.73 $250$ 290           37         47.18 $410$ 410           Tooth Face at Pitch Line 1.000 Inches         5         6.77         18         4.94           4         9         11.70         5.00         4.00							35.	
Tooth Face at Pitch Line 1.500 inches.         7       9.22 $3.94$ 38         8       10.45 $4.94$ 46         9       11.70 $5.44$ 58         10       12.94 $5.44$ 58         10       12.94 $5.44$ 62         11       14.20 $5.94$ 69         12       15.45 $6.50$ 82         14       17.98 $③$ 98         15       19.24       100       122         17       21.77       136       147         19       24.30       1477       136         18       23.04       1477       19       24.30         20       25.57       161       154         20       25.57       161       240         28       35.73       250       200         30       38.27       290       37       47.18         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18       410         130 CAST – PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches	0	H1	24 CA	ST – PI	TCH 4	.000		
7       9.22 $3.94$ 38         8       10.45 $4.94$ 46         9       11.70 $5.44$ 58         10       12.94 $5.44$ 58         10       12.94 $5.44$ 62         11       14.20 $5.94$ 69         12       15.45 $6.50$ 82         14       17.98 $③$ 98         15       19.24 $100$ 122         17       21.77 $136$ 122         17       21.77 $136$ 147         19       24.30 $147$ 154         20       25.57 $161$ 154         20       25.57 $161$ 154         20       25.57 $161$ 176         27       34.46 $240$ 28         28       35.73 $250$ 290         37       47.18 $410$ 101         Tooth Face at Pitch Line 1.000 Inches         5       6.77 $18$ 21         7       9.22 $3.94$ 25	То						26	
8       10.45       4.94       46         9       11.70       5.44       58         10       12.94       5.44       58         10       12.94       5.94       69         12       15.45       6.50       82         14       17.98       98       98         15       19.24       100       122         16       20.50       121       122         17       21.77       136       147         19       24.30       147       147         19       24.30       14176       154         20       25.57       161       161         22       28.11       176       240         28       35.73       250       250         30       38.27       250       290         37       47.18       410 <b>130 CAST – PITCH 4.000</b> (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18       21         7       9.22       3.94       25         8       10.45       4.94       32         9       11.70       5.0					16 1.5			
10       12.94       5.44       62         11       14.20       5.94       69         12       15.45       6.50       82         14       17.98 $③$ 98         15       19.24       100         16       20.50       122         17       21.77       136         18       23.04       1417         19       24.30       154         20       25.57       161         22       28.11       176         23       35.73       250         30       38.27       250         30       38.27       290         37       47.18       410         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         6       8.00       21         7       9.22       3.94         29       11.70       5.00       4.00         10       12.94       48         10       12.94       52         12       15.45       59         13       16.71       58         14       17.95       58 <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8							
1114.205.94691215.456.50821417.98 $③$ 981519.241001620.501221721.771221721.771361823.041471924.301542025.571612228.111762334.462402835.732503038.272503038.272903747.18410Tooth Face at Pitch Line 1.000 Inches56.771868.002179.223.94911.705.004.003.25310.454.9432911.705.004.003.25316.711215.451316.711417.95								
1215.456.50821417.98 $③$ 981519.241001620.501221721.771361823.041471924.301542025.571612228.111612228.112402835.732503038.272503038.272903747.18410Tooth Face at Pitch Line 1.000 Inches56.771868.002179.223.94253810.454.94329911.705.004.003.25344481114.201215.451316.711417.951417.95	-							
14       19.24       100         15       19.24       100         16       20.50       122         17       21.77       136         18       23.04       147         19       24.30       154         20       25.57       161         22       28.11       176         28       35.73       250         30       38.27       290         37       47.18       410         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         410       12.94       3.94         25       3.94       25         8       10.45       4.94         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>6.50</td><td>-</td></t<>						6.50	-	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						3		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-							
20       25.57       161         22       28.11       176         27       34.46       240         28       35.73       250         30       38.27       290         37       47.18       410 <b>130 CAST - PITCH 4.000</b> (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         6       8.00       21         7       9.22       3.94         8       10.45       4.94         9       11.70       5.00       4.00         10       12.94       48         11       14.20       52         12       15.45       59         13       16.71       58         14       17.95       61	18	23.04					147	
22       28.11       176         27       34.46       240         28       35.73       250         30       38.27       290         37       47.18       410 <b>130 CAST - PITCH 4.000</b> (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         6       8.00       21         7       9.22       3.94         8       10.45       4.94         9       11.70       5.00       4.00       3.25         9       11.70       5.00       4.00       3.25         11       14.20       52       12       15.45         12       15.45       59       53         14       17.95       61       61								
27       34.46       240         28       35.73       250         30       38.27       290         37       47.18       410 <b>130 CAST - PITCH 4.000</b> (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         6       8.00       21         7       9.22       3.94         8       10.45       4.94         9       11.70       5.00       4.00         11       14.20       52         12       15.45       59         13       16.71       58         14       17.95       58								
30       38.27       290         37       47.18       410         130 CAST – PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         6       8.00       21         7       9.22       3.94         9       11.70       5.00       4.00         10       12.94       48         11       14.20       52         12       15.45       59         13       16.71       58         14       17.95       61								
37       47.18       410         130 CAST – PITCH 4.000 (With Hardened Teeth)         Tooth Face at Pitch Line 1.000 Inches         5       6.77       18         6       8.00       21         7       9.22       3.94         9       11.70       5.00       4.00         10       12.94       48         11       14.20       52         12       15.45       59         13       16.71       58         14       17.95       61								
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$								
(With Hardened Teeth)           Tooth Face at Pitch Line 1.000 Inches           5         6.77         18           6         8.00         21           7         9.22         3.94         25           8         10.45         4.94         32           9         11.70         5.00         4.00         3.25         3         44           10         12.94         52         52         12         15.45         59           13         16.71         58         58         61         58	57		30 CA	ST – Pli	CH_4_0	000	410	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_	(	With I	Hardene	d Teet	h)		
			ce at	Pitch Li	ne 1.0	00 Inch		
7       9.22								
9       11.70       5.00       4.00       3.25       3       44         10       12.94       48       48         11       14.20       52       52         12       15.45       59       59         13       16.71       58       58         14       17.95       5       61	7	9.22					25	
10     12.94     48       11     14.20     52       12     15.45     59       13     16.71     58       14     17.95     61			5.00	4.00	2 25			
11       14.20       52         12       15.45       59         13       16.71       58         14       17.95       61			5.00	4.00	3.20	J		
13     16.71     58       14     17.95     61	11						52	
14 17.95 61								

- (Con	t'd.)					
No. of	Pitch	Stocke	ed Sproc	kets 2	Cast to Order	Avg.
Teeth	Dia.		Hub Length		Max. Bore	Wt.
			ST - PIT			
To			lardene Pitch Li		n) 50 inche	es.
5	10.29				2.94	102
6	12.10					92
7						
8	15.81	7.50	6.00	4.62	5.44	190
9 10	17.69	7.50	6.00	4.44	5.94 5.94	269 210
11	21.47	7.50	6.00	4.25	5.94	232
12	23.38	7.50	6.00	4.00	6.50	251
13	25.28				6.50	317
14	27.19 29.10				3	352 372
16	31.01					302
18	34.84					445
19	36.76					486
20	38.67					495
					PITCH 6.0	
10	ioth Fac	ce at i	Pitch Li	ne 3.0	00 inch	es.
11						
12						
	18	33 CAS	ST - PI1	СН 3.0	000	
T	```		lardene		,	
6	6.00	ce at 4.00		_	2 inche	
					2.68	
7		4.00	3.00	2.50	2.68 2.68	11 14
	6.91 7.84	4.00	3.00	2.50		14 16
7 8 9	6.91 7.84 8.77	4.00	3.00	2.50	2.68 2.68 2.94	14 16 22
7 8 9 10	6.91 7.84 8.77 9.71	4.00	3.00	2.50	2.68 2.68 2.94 2.94	14 16 22 25
7 8 9 10 11	6.91 7.84 8.77 9.71 10.65	4.00	3.00	2.50	2.68 2.68 2.94 2.94 2.94	14 16 22 25 30
7 8 9 10 11 12	6.91 7.84 8.77 9.71 10.65 11.59				2.68 2.68 2.94 2.94 2.94 3.18	14 16 22 25 30 32
7 8 9 10 11	6.91 7.84 8.77 9.71 10.65	5.00	4.00	3.25	2.68 2.68 2.94 2.94 2.94	14 16 22 25 30
7 8 9 10 11 12 13 14 15	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43				2.68 2.94 2.94 2.94 3.18 3.49 4.94 5.44	14 16 22 25 30 32 38 40 45
7 8 9 10 11 12 13 14 15 16	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38				2.68 2.68 2.94 2.94 2.94 3.18 3.49 4.94	14 16 22 25 30 32 38 40 45 47
7 8 9 10 11 12 13 14 15 16 18	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28				2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94	14 16 22 25 30 32 38 40 45 47 55
7 8 9 10 11 12 13 14 15 16 18 19	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23				2.68 2.94 2.94 2.94 3.18 3.49 4.94 5.44	14 16 22 25 30 32 38 40 45 47 55 58
7 8 9 10 11 12 13 14 15 16 18	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28				2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94	14 16 22 25 30 32 38 40 45 47 55
7 8 9 10 11 12 13 14 15 16 18 19 20	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33	5.00	4.00	3.25	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94	14 16 22 25 30 32 38 40 45 47 55 58 65
7 8 9 10 11 12 13 14 15 16 18 19 20 25	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33	5.00 38 CAS	4.00 GT – PIT	3.25 TCH 4.	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3	14 16 22 25 30 32 38 40 45 47 55 58 65 85
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 (3)	14 16 22 5 30 32 38 40 45 47 55 58 65 85 140
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3	14 16 22 5 30 32 38 40 45 47 55 58 65 85 140
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33 19.18 (coth Factoria) 6.78 8.00	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 37 inche 3.44	14 16 22 25 30 32 38 40 45 47 55 58 65 85 140 
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 14.43 14.43 15.38 14.43 15.38 14.43 15.38 14.43 15.38 14.43 15.38 18.23 19.18 23.94 36.33 18 18 23.94 36.33 18 18 23.94 36.33 18 18 18 18 18 18 18 18 18 18 18 18 18	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 37 inche 3.44 3.68	14 16 22 25 30 32 38 40 45 47 55 58 65 85 140 
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7 8	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 14.43 14.43 15.38 14.43 15.38 14.43 15.38 18.23 19.18 23.94 36.33 18 23.94 18 23.94 36.33 18 18 23.94 18 23.94 14.43 15.38 18 23.94	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 37 incho 37 incho 3.44 3.68 3.94	14 16 22 25 30 32 38 40 45 47 55 58 65 85 140 es. 14 25 27 36
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7 8 9	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33 19.18 23.94 36.33 19.18 23.94 36.33 10.45 8.00 9.22 10.45 11.70	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3.94 37 incho 3.44 3.68 3.94 3.94	14 16 22 30 32 38 40 45 47 55 58 65 85 140 es. 14 25 27 36 32
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7 8	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 14.43 14.43 15.38 14.43 15.38 14.43 15.38 18.23 19.18 23.94 36.33 18 23.94 18 23.94 36.33 18 18 23.94 18 23.94 14.43 15.38 18 23.94	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 37 incho 37 incho 3.44 3.68 3.94	14 16 22 25 30 32 38 40 45 47 55 58 65 85 140 es. 14 25 27 36
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7 8 9 10 12 13	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33 19.18 19.19 19.18 19.18 19.19 19.18 19.19 19.18 19.19 19.18 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.18 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.1	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 3 7 inch 3.44 3.68 3.94 3.94 3.94 4.44 4.44	14 16 22 25 30 32 38 40 45 55 58 65 85 140 25 140 25 27 36 32 33 36 36
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7 8 9 10 12 13 15	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33 <b>19</b> 18 23.94 36.33 <b>19</b> ( <b>0</b> ) 9.22 10.45 11.70 12.94 15.45 16.71 19.24	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 37 inche 3.44 3.68 3.94 3.94 3.94 3.94 4.44	14 16 22 25 30 32 38 40 45 47 55 58 65 85 140 27 36 32 33 36 36 39
7 8 9 10 11 12 13 14 15 16 18 19 20 25 38 Tc 5 6 7 8 9 10 12 13	6.91 7.84 8.77 9.71 10.65 11.59 12.54 13.48 14.43 15.38 17.28 18.23 19.18 23.94 36.33 19.18 19.19 19.18 19.18 19.19 19.18 19.19 19.18 19.19 19.18 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.18 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.19 19.18 19.19 19.1	5.00 38 CAS	4.00 ST – PIT lardene	3.25 7CH 4.0	2.68 2.68 2.94 2.94 3.18 3.49 4.94 5.44 5.94 3 3 7 inch 3.44 3.68 3.94 3.94 3.94 4.44 4.44	14 16 22 25 30 32 38 40 45 55 58 65 85 140 25 140 25 27 36 32 33 36 36

	-	C1 1 -	10		Cost to	1
No. of	Pitch		ed Sproc		Cast to Order	Avg.
Teeth	Dia.	Hub Dla.	Hub Length	Max. Bore	Max. Bore	Wť.
	19	-	ST – PII			
	(	With H	lardene	d Teet	h)	
To 7	oth Fac 9.22	ce at f	Pitch Li	ne 1.0	31 inch 3.18	es. 30
8	10.45	5.50	4.00	3.62	3.68	38
9	11.70	5.50	4.00	3.62	3.94	46
10 11	12.94 14.20	5.50	4.00	3.62	4.44 4.44	55 62
12	15.45	5.50	4.00	3.62	4.44	70
14	17.98				5.44	90
15 19	19.24 24.30				3	72 100
17		6 CAS	ST – PIT	CH 6.0	000	100
	(	With H	lardene	d Teet	h)	
10 5	oth Fac 10.21	ce at I	Pitch Li	ne 1.0	31 inch	es.
6	12.00	6.00	4.00	4.00	3.94	33
7	13.82	4.50	3.00	2.75	4.44	49
8	15.68 17.54	7.00	5.00	4.56	4.94 5.44	84 93
10	19.42	7.00	5.00	4.56	4.44	93 114
12	23.18				6.50 ③	148
13 14	25.07 26.96				9	119 128
16	30.75					160
18	34.55					195
19 25	36.45 47.87					210 304
20	19		ST – PIT			001
Te			lardene			
6	oth Fac 12.00		5.00	ne 1.1 4.75	25 inch 4.44	es. 56
7	13.83	0.00	0.00	1.70		61
8	15.68	6.50	5.00	4.56	4.94 5.44	90
9 10	17.54 19.42				5.44 5.94	80 95
12	23.18				3	115
15	28.86	10 0 40	ST – PIT		121	178
			lardene			
To		ce at	Pitch L	ine .68	37 inche	
4	7.92 9.81				1.94 1.94	15
5	9.81 11.59				2.18	23 24
7	13.48				2.44	43
9 10	17.28 19.18				3	56 68
11	21.03					75
12	22.98					83
16 19	30.60 36.33					120 159
	45		ST – PIT			,
			lardene			
Т			lardene Pitch L		tn) 75 inche	S.
3	7.95					20
4 5	10.53 13.04	7.50	5.00	5.06	3.18 5.06	44 54
6	15.57	7.50	5.00	5.06	5.06	81
7	18.12				5.06	71
8	20.66 23.13				5.06 ③	95 130
10	25.77					145
11	28.33					193
12 14	30.68 35.87					200 228
19	48.63					345

All dimensions given in inches and weight in Lbs. <sup>(1)</sup> Hub one side. All other hubs are long central. <sup>(2)</sup> If no hub data is listed, sprocket is cast to order. <sup>(3)</sup> Consult Rexnord for max. bore information. 86 Note: Dimensions are subject to change. Certified dimensions of ordered material are furnished upon request.

### ■ SPROCKETS

#### CAST TOOTH SPROCKETS - (Co . . .

	'		~			~	<u> </u>
		Stock	ed Sproc	kets ②	Cast to		
No. of		Hub	Hub	Max.	Order	Avg.	
Teeth	Dia.		Length	Bore	Max. Bore	Wť.	
	1		ST-PIT				
То					75 inch		
4	10.53	Je al			3.44	es. 36	
5	13.05				3.44	65	
6	15.57				5.94	100	
7	18.12				5.94	92	
8	20.66					<sup>9</sup> ∠ 118	
9	23.21					148	
7 10	25.77					140	
12	30.88					240	
12		80 CA	ST – PIT	СН 8	000	240	
			Hardene				
To					250 inch	nes.	Г
6	16.00				7.00	250	
7	18.44				7.50	295	
8	20.90				3	330	
9	23.39					385	
, 10	25.89					440	
	480	) DRU	M FLAN	GED C	AST		
	(	With I	Hardene	d Tee	th)		
То	oth Fac	e at F	Pitch Lir	ne 11.	250 incł	nes.	(
6	16.00				3	490	8
7	18.44					560	
8	20.90					654	9
9	23.39					750	
10	25.89					840	1
			ST – PIT				1
		ce at	Pitch L	ine .87	75 inche		1:
8	10.45					30	
9	11.70					35	Ē
12	15.45					65 70	
13 19	16.72 24.30					124	
19			I St – Pit	сц э	549	124	Г
			Hardene				
Τc					75 inche	20	6
10	8.29			30	6.00	4	
12	9.90	-	_	40	6.50	5	8
18	14.76					65	
24	19.64	-	_	84		10	9
30	24.52					100	1
40	32.67					165	1
10		S1 CA	ST – PIT	CH 4.	000	100	1
Τo	oth Fa	ce at	Pitch I i	ne 1.1	87 inch	es	T
.0	2		hain No			- 0.	1 1:
6	8.00				2.94	34	
8	10.45				3.44	43	1 1
10	12.94				3.94	49	1
12	15.46				4.44	85	1
14	17.98					80	2
15	19.24					85	2
16	20.50					94	
17	21.77					107	
19	24.30					120	9
	-						1
							1:

(Cont'	d.)												
È	L Ó	Stocke	ed Sproc	kets 2	Cast to			<b>D</b> <sup>11</sup> 1	Stocke	ed Sproc	kets 2	Cast to	
No. of Teeth	Pitch Dia.	Hub Dia.	Hub Length	Max. Bore	Order Max. Bore	Avg. Wt.	No. of Teeth	Pitch Dia.	Hub Dia.	Hub Length	Max. Bore	Order Max. Bore	Avg. Wt.
		CAST	– PITCH	6.031					CAST	– PITCI	16.00		
Tootk			dened T ch Line	'	inchos	<b>`</b>	Tooth			dened T ch Line		inchos	-
3	12.06			1.107		5. 50	6P-6T	12.00			1.123	3	s. 47.9
4	15.72				5.44	75	8P-8T	15.68					71.3
5	19.52				3	115	9P-9T	17.54					85.5
6	23.24					148		18.48					107.3
7	27.03					190	10P-20T	19.42					115.4
8	30.83					240		21.30 22.24					105.0 104.5
10	698	CAST	– PITCH	6 031	1			23.14					110.8
			dened				1	24.12					117.9
Tooth	n Face	at Pito	ch Line	1.375	inches	S.	13P-13T	25.07					125.1
5	19.52				6.94	122	13.5P-27T						132.5
6	23.24				3	162		26.96					153.7
7	26.96 30.92					200 275		28.86 30.75					170.0 187.2
0		S C A S	T – PIT		00	273		34.55					225.2
			dened		00			45.79					363.5
Tooth	•		ch Line		) inches	S.		823	CAST	– PITCH	4.000	)	
6.5-13T	12.89			Ī		65.0				dened			
	16.59				3	98.2			at Pite	ch Line	1.125		
9-9T	17.51					80.0	8 10	10.45 12.95				2.44 3.18	25 45
9.5P-19T	18.48					115.3	10	14.20				3.68	43 54
10-10T 10.5-21T	19.42					95.0 110.0	12	15.46				3.94	56
11-11T	21.30					105.0	13	16.71				4.44	60
11.5P-23T						127.7	14	17.98				4.94	65
12.5P-25T						141.3	16	20.51				5.44	81
	25.07					130.0	17 18	21.77 23.04				5.94 5.94	86 91
16-16T	30.75	0.1.OT	DITO			180.0	19	23.04				0.94	91
			- PITCI		0		24	30.65				3	138
Tooth			ch Line		) inches	S.				– PITCH		)	
6P-6T	12.00				3	47.9	T a a th			dened	'		
	12.91					53.1	1001	1 Face 12.94	at Pite	ch Line	1.250	6.44	s. 58
8P-8T 8.5P-17T	15.68					71.3	12	15.45				0.44	78
9P-9T	17.54					92.2 99.5	13	16.71					82
	18.48					107.3	14	17.98					94
10P-10T	19.42					115.4	15	19.24					112
10.5-21T						110.0	16	20.50					115
11P-11T						98.3	19	24.30		– PITCH	6 000		140
11.5P-23T 12P-12T						118.2 120.0				dened		)	
12.5P-25T						131.5	Tooth			ch Line	· · · ·	inches	5.
13P-13T						138.7	6	12.00					58.5
15P-15T	28.86					155.0	8	15.68				6.44	79
16P-16T						180.0	9	17.54				3	88
19P-19T						245.9	10	19.42					102
20P-20T			i – Pitc	Ц <u>6</u> 00	0	267.8	11 11.5-23T	21.20 22.21					105 125
			dened				12	22.21					125
Tooth	-		ch Line		inches	S.		25.07					142
9.5P-19T						114.8	15	28.86					168
11.5P-23T						113.5	16	30.75					180
12.5P-25T						127.9							
18P-18T 27P-27T	34.55					207.0							

27P-27T

SPROCKETS

### ■ SPROCKETS CAST TOOTH SPROCKETS – (Cont'd.)

No. of	Pitch	Stock	ed Sproc	kets <sup>②</sup>	Cast to Order	Avg.
Teeth	Dia.	Hub Dla.	Hub Length	Max. Bore	Max. Bore	Wt.
			ST – PIT Hardene			
To					25 inche	es.
6						
8	15.88				6.44	94
9	17.54					112
10	19.42					125
11	21.30					140
12	23.18					160
13	25.07					171
15	28.86					200
16	30.75					217
19	36.45					275
			ST – Pľ Hardene			
To	oth Fac	ce at	Pitch Li	ne 1.1	25 inche	es.
6	18.00				5.94	74
8	23.52				3	150
9	26.31					160
10	29.12					175
			ST – Pľ Hardene			
To					50 inche	es.
6	18.00				5.94	93
7	20.74				3	120
8	23.52					152
	95 (	51 CA: With I	ST – PIT Hardene	CH 6.0	000 h)	
To					62 inche	es.
6	12.00				5.44	62
8	15.68				5.44	81
			ST – PIT Hardene			
To					75 inche	es.
4	23.53		1		6.44	195
					3	258
5	29.14					

Con	ra.)	Charles		kata @	Cast to	
No. of	Pitch		· ·		Cast to Order	Avg.
Teeth	Dia.	Hub Dla.	Hub Length	Max. Bore	Max. Bore	Wť.
	11	13 CA	ST – Pľ	TCH 4.	040	
То			Hardene Diteb Li		n) 62 inche	
		te at i	PIICH LI	ne I.U		
6 8	8.08 10.56				2.44 2.94	24 38
0 9	11.81				2.94	30 40
10	13.07				3.18	40
10	14.34				3.94	40 50
12	15.61				3.94	60
12	16.88				4.44	68
14	18.16				3	85
16	20.71				-	95
17	21.99					104
18	23.67					110
24	30.95					178
		20 CA	ST – Pľ	TCH 4.	000	
	(	With I	Hardene	d Teet	h)	
		ce at	Pitch L	ine .68	37 inche	
5	6.81				2.18	12
6	8.00				2.44	23
7	9.22				3.68	72
8	10.45				3.68	29
9	11.70				3.94	38
10	12.94				3.94	40
11	14.19				3	50
12	15.45					65
14	17.98					77
15	19.24					86
16 18	20.50 23.04					97 115
-						115
19	24.30					125 165
22 24	28.11 30.65					105
	39.54					244
31 35	44.62					322
30		21 CA	ST – Pľ	тсн 6	000	322
	(	With	Hardene	d Teet	:h)	
To	oth Fac	ce at l	Pitch Li	ne 1.2	50 inch	es.
6	12.00				3.94	62
8	15.68				3.94	78
9	17.54				3.95	120
12	23.18				4.44	153
13	25.03					175
14	26.96				3	190
16	30.75					225
25	47.87					350
	F12	22 CA	ST – Pľ	TCH 12	2.000	
Ŧ	```		Hardene		,	
		e at l	PITCh LI	ne 1.0	00 inch	
6	24.00 31.36				5.94	157
8	31.30					210

		Stock	d Sproc	kets ②	Cast to	
No. of	Pitch				Order	Avg.
Teeth	Dia.	Hub Dla.	Hub Length	Max. Bore	Max. Bore	Wť.
	21	24 CA	ST – Pl	TCH 6.	000	
To	oth Fac	ce at l	lardene Pitch Li	ne 1.3	75 inche	25
6	12.00					50
8	15.68				6.44	62
10	19.42				3	95
12	23.18					133
13	25.07					150
15	28.86					186
16	30.76					220
24	45.97					250
			ST – Pl lardene			
To					25 inche	26
6	12.00				4.94	50
8	15.68				7.00	90
16	30.76				7.00	200
20	38.36					260
20		50 CA	ST – Pľ	TCH 2.	500	200
			lardene			
To					50 inche	S.
6	AIS 5.00	o avai	lable in	polyn	enc.	5
7	5.76					9
8	6.53					9 10
10	8.09	4.00	3.00	2.50	2.68	13
11	8.87	4.00	3.00	2.50	2.68	16
12	9.66	4.00	3.00	2.50	3.18	18
14	11.24					23
15	12.03				3.94	28
16	12.81					30

All dimensions given in inches and weight in Lbs. <sup>①</sup> Hub one side. All other hubs are long central. <sup>②</sup> If no hub data is listed, sprocket is cast to order. <sup>③</sup> Consult Rexnord for max. bore information.

### SPROCKETS **CAST TRACTION WHEELS AND DRUM** FLANGED TRACTION WHEELS

Traction Wheels are used primarily on the headshafts of bucket elevators and elevating conveyors to protect the system from obstructions. Providing the frictional grip between the chain and the traction wheel is sufficient to transmit the power under normal load. In the case of obstruction, the chain will slip on the wheel, and avoid damaging some machinery or part of the system.

Drum Flanged Traction Wheels are used on drag chain conveyors where discharge is over the head wheel.

Materials. Traction wheels are furnished cast and fabricated steel. Segmental rim traction wheels are available with fabricated bodies. See pages 90-93.

Standard Sprocket Bore Tolerances; Keyseat and Set-screws; and Hubs. See page 140 for key and set screw sizes. The corresponding paragraphs on page 90 applies to traction wheels.

To determine a shaft's pitch diameter, add to its outside diameter, the barrel diameter of the chain to be used.

**NOTE: For Replaceable Segmental-Rim Traction** Wheels, see pages 90-93.

	All dimensions given in inches and weight in Lbs.										
Wt.		Unit No.	0. D.	x = HDN	Face Width	Drum Width	Wt.				
175.0			10.50	х	1.25	-	45.0				
250.0			14	х	1.25	-	60.0				
290.0			15.50	х	1.25	-	68.0				
335.0			16	х	1.25	-	72.0				
365.0			17	х	1.25	-	79.0				
50.0		S825	18.25	х	1.25	-	86.0				
85.0			20	х	1.25	-	95.0				
91.0			22	х	1.25	-	105.0				
105.0			24	х	1.25	-	120.0				
135.0			27.75	х	1.25	-	140.0				
143.0			31	х	1.25	-	160.0				
146.0			12	х	2.13	-	65.0				
149.0			16	х	2.13	-	90.0				
165.0			19.75	х	2.13	-	109.0				
198.0		844	22.25	х	2.13	-	130.0				
210.0			23.75	х	2.13	-	148.0				
200.0			27.75	х	2.13	-	172.0				
230.0			29	х	2.13	-	190.0				
395.0			15	х	1	-	62.0				
485.0		720	15.50	х	1	-	65.0				
550.0			18.25	х	1	-	85.0				
495.0			29	Х	2.75	-	170.0				
560.0			21.50	х	2.75	-	187.0				
120.0		S856	26	х	2.75	-	200.0				
124.0		3000	27.75	х	2.75	-	218.0				
128.0			29.50	х	2.75	-	225.0				
510.0			30	х	2.75	-	236.0				
138.0		955	8	х	.69	-	24.0				
147.0		900	18.75	Х	.69	-	65.0				
570.0											
620.0											

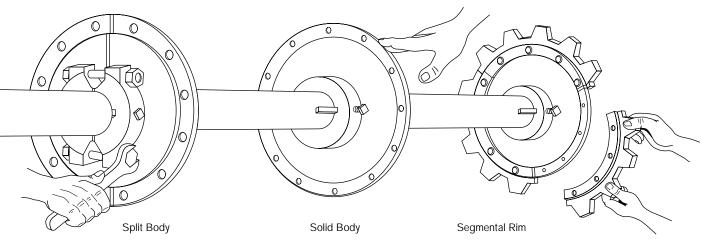
Unit No.	0. D.	x = HDN	Face Width	Drum Width	Wt.	1 [	Unit No.	0. D.	x = HDN	Face Width	Drum Width	Wt.	Unit No.	0. D.	x = HDN	Face Width	I V
	10	х	.94	-	30.0	1 Г		10.25		8.88	16.38	175.0		10.50	Х	1.25	Γ
	12	х	.94	-	45.0			14		8.88	16.38	250.0		14	х	1.25	
	12.50	х	.94	-	50.0	]	H110	15.88		8.88	16.38	290.0		15.50	х	1.25	
	13.25	х	.94	-	58.0			17.75		8.88	16.38	335.0		16	х	1.25	
	14	х	.94	-	62.0	ΙL		19.63		8.88	16.38	365.0		17	х	1.25	
78	15	Х	.94	-	65.0			9.50	х	2.25	-	50.0	S825	18.25	х	1.25	
	15.50	х	.94	-	68.0			14.56	х	2.25	-	85.0		20	х	1.25	
	16	Х	.94	-	70.0			15.50	х	2.25	-	91.0		22	х	1.25	
	18	х	.94	-	75.0			18	х		-	105.0		24	х	1.25	
	19	Х	.94	-	80.0			20	х	2.25	-	135.0		27.75	х	1.25	
	20	х	.94	-	85.0		111	22	х	2.25	-	143.0		31	х	1.25	
	12	Х	1.88	-	50.0			23	х	2.25	-	146.0		12	х	2.13	
	13.50	х	1.88	-	60.0			23.75	х	2.25	-	149.0		16	х	2.13	
	14	х	1.88	-	63.0			26	х	2.25	-	165.0		19.75	х	2.13	
	14.63	х	1.88	-	68.0			29.50	Х	2.25	-	198.0	844	22.25	х	2.13	
	15.75	х	1.88	-	78.0	L		30.75	х	2.25	_	210.0		23.75	х	2.13	
	16.75	Х	1.88	-	89.0		H112	16.75		9	16.50	200.0		27.75	х	2.13	
	17	х	1.88	-	92.0	L	11112	19.25		9	16.50	230.0		29	х	2.13	
102B	18	х	1.88	-	100.0			16.88		13	20.50	395.0		15	х	1	Τ
1020	19.75	х	1.88	-	108.0		H116	19		13	20.50	485.0	720	15.50	х	1	
	21	х	1.88	-	117.0			21.75		13	20.50	550.0		18.25	х	1	
	22	х	1.88	-	127.0	1 [	H118	13.88		13	20	495.0		29	Х	2.75	Г
	23	х	1.88	-	139.0	Ľ	ппо	16.50		13	20	560.0		21.50	х	2.75	
	23.75	х	1.88	_	143.0	1 [		13	х	2.75	-	120.0	C0E4	26	х	2.75	
	27.63	х	1.88	-	160.0			13.75	х	2.75	-	124.0	S856	27.75	х	2.75	
	29.63	х	1.88	-	166.0			16	х	2.75	-	128.0		29.50	х	2.75	
	33	Х	1.88	-	175.0			16.25		2.75	14	510.0		30	х	2.75	
H102	11.50		6.25	11.50	185.0			17	х	2.75	-	138.0	055	8	х	.69	Τ
	14.63		6.25	11.50	230.0			18	х	2.75	-	147.0	955	18.75	х	.69	
	7	Х	1.13	-	25.0	1	132	18.25		2.75	14	570.0		-			
	9.63	Х	1.13	-	38.0		152	20.25		2.75	14	620.0					
	14.63	х	1.13	-	49.0			21.63	х	2.75	-	186.0					
	16	х	1.13	-	60.0			22	х	2.75	-	190.0					
	17	х	1.13	-	70.0			24	х	2.75	-	205.0					
103	18	х	1.13	-	75.0			26.19	х	2.75	-	210.0					
	20	х	1.13	-	90.0			27.75	х	2.75	-	225.0					
	22	х	1.13	-	115.0	ΙL		30	х	2.75	-	280.0					
	22.50	х	1.13	-	125.0			13.88		11.13	22	440.0					
	24	х	1.13	-	135.0			16.25		11.13	22	510.0					
	29.38	х	1.13	-	170.0	ין ן	H480	18.75		11.13	22	540.0					
	10.50		4	12	125.0			21.13		11.13	22	600.0					
	12.38		4	12	145.0	ΙL		23.75		11.13	22	630.0					
	14		4	12	170.0												
H104	16		4	12	205.0												
	17.75		4	12	250.0												
	19.75		4	12	305.0												
	20.13		4	12	345.0												
	N	ote: Dir	nensior	ns are s	ubject	to ch	ange.	Certifie	d dime	nsions	of orde	red mat	terial are	furnishe	d upon	reques	t.
							-										

	10.25		8.88	16.38	175.0
	14		8.88	16.38	250.0
H110	15.88		8.88	16.38	290.0
	17.75		8.88	16.38	335.0
	19.63		8.88	16.38	365.0
	9.50	х	2.25	-	50.0
	14.56	х	2.25	-	85.0
	15.50	х	2.25	-	91.0
	18	х		-	105.0
	20	х	2.25	-	135.0
111	22	х	2.25	-	143.0
	23	х	2.25	-	146.0
	23.75	х	2.25	-	149.0
	26	х	2.25	-	165.0
	29.50	х	2.25	-	198.0
	30.75	х	2.25	_	210.0
H112	16.75		9	16.50	200.0
пп	19.25		9	16.50	230.0
	16.88		13	20.50	395.0
H116	19		13	20.50	485.0
	21.75		13	20.50	550.0
11440	13.88		13	20	495.0
H118	16.50		13	20	560.0
	13	х	2.75	-	120.0
	13.75	х	2.75	_	124.0
	16	х	2.75	-	128.0
	16.25		2.75	14	510.0
	17	х	2.75	-	138.0
	18	х	2.75	-	147.0
132	18.25		2.75	14	570.0
132	20.25		2.75	14	620.0
	21.63	х	2.75	_	186.0
	22	х	2.75	-	190.0
	24	х	2.75	_	205.0
	26.19	х	2.75	-	210.0
	27.75	х	2.75	-	225.0
	30	х	2.75	_	280.0
	13.88		11.13	22	440.0
	16.25		11.13	22	510.0
H480	18.75		11.13	22	540.0
	21.13		11.13	22	600.0
	23.75		11.13	22	630.0

## SEGMENTAL RIM SPROCKETS AND TRACTION WHEELS

Segmental sprockets and traction wheels significantly reduce the labor and down time associated with replacing worn standard type units. Worn segments can be replaced one at a time without removing the chain, disassembling shaft and/or bearing assemblies or realigning hub placement.

Sprockets and traction wheel rims are made of hardened steel and may be furnished with split or solid hub bodies.



### Solid Hub Bodies

Solid hub bodies are recommended for new installations. They are accurately machined of close-grained cast iron. The bodies can be made of steel, but dimensions will differ.

### **Split Hub Bodies**

Split hub bodies can be easily installed on existing installations without removing the shaft, bearings, or chain. They are accurately machined of close-grained cast iron. A complete set of hub bolts and nuts included. The bodies can be made of steel, but dimensions will differ.

### Traction Wheels vs. Sprockets at the Head Shaft

When properly applied, the use of a traction wheel at the head end of a centrifugal elevator will result in an increase in both chain and wheel life. In addition, the traction wheel will minimize peak chain tensions under impact or starting conditions.

Successful application of a traction wheel is dependent upon a frictional force between the traction wheel and the chain bushing which is great enough to handle the applied chain load without excessive slippage. Factors which can detract from the effectiveness of a traction wheel are:

- 1. Handling material with lubricating qualities.
- 2. Heavy digging loads.
- 3. Handling very dense material.

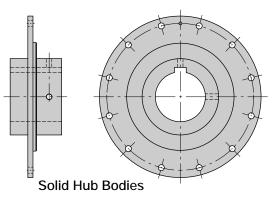
Dry and abrasive materials, on the other hand, have the desirable effect of increasing the coefficient of friction. Traction wheels have been used very successfully in the cement mill industry. Chain with rollers should not be used with a traction wheel.

### SEGMENTAL RIM SPROCKETS AND TRACTION WHEELS – (Cont'd.)

#### **Solid Hub Bodies**

Solid hub bodies are recommended for new or existing installation where it is expedient to install a solid hub to save added cost and weight of a split hub.

Solid hub bodies can be made of cast iron or fabricated steel. The outer rim of both cast and fabricated steel hub bodies is machined to exact concentricity and the flange base is machined to provide a mating surface for the rim. This insures correct fit and proper installation of segmental traction wheel and sprocket rims. Hubs are central with the center line of rims. Fabricated steel bodies are recommended for use in severe applications, such as cement mill, to provide maximum fatigue and wear life.



#### CAST SOLID BODIES<sup>①</sup>

Body No. <sup>2</sup>	Bore Size	Hub Length	Wt.
	1.94	4.25	43
	2.44	4.25	42
10	2.94	4.25	41
10	3.44	6.00	63
	3.94	6.00	60
	4.44	6.00	56
	1.94	4.25	62
	2.44	4.25	60
	2.94	4.25	58
12	3.44	6.00	90
	3.94	6.00	85
	4.44	6.00	80
	4.94	6.50	96
	1.94	3.25	80
	2.44	5.00	86
	2.94	5.00	97
	3.44	5.00	94
	3.94	6.50	139
16	4.44	6.50	134
	4.94	6.50	127
	5.44	7.75	189
	5.94	7.75	180
	6.44	8.50	225
	6.94	8.50	272
	2.44	5.00	140
	2.94	5.00	138
	3.44	5.00	134
	3.94	6.50	180
20	4.44	6.50	174
20	4.94	6.50	168
	5.44	7.75	229
	5.94	7.75	220
	6.44	9.50	323
	6.94	9.50	310

### FABRICATED SOLID BODIES

Body No. <sup>2</sup>	Bore Size	Hub Length	Wt.
	1.94	3.75	44
	2.44	3.75	44
	2.94	3.75	43
10	3.44	3.75	41
	3.94	3.75	38
	4.44	6.50	61
	4.94	6.50	55
	1.94	4.25	65
	2.44	4.25	63
	2.94	4.25	61
	3.44	4.25	58
12	3.94	4.25	54
	4.44	6.00	87
	4.94	6.00	79
	5.44	7.75	110
	5.94	7.75	100
	1.94	5.00	105
	2.44	5.00	103
	2.94	5.00	100
	3.44	5.00	96
	3.94	5.00	92
	4.44	7.00	116
16	4.94	7.00	108
	5.44	7.00	136
	5.94	7.00	127
	6.44	8.50	178
	6.94	8.50	165
	7.44	8.50	186
	7.94	8.50	172
	8.44 1.94	10.50 5.50	259
	2.44	5.50	157 154
	2.44		154
	2.94	5.50 5.50	151
	3.94	5.50	147
	4.44	7.75	169
	4.44	7.75	169
20	5.44	7.75	193
20	5.94	7.75	193
	6.44	8.50	225
	6.94	8.50	213
	7.44	8.50	234
	7.94	8.50	234
	8.44	8.50	247
	9.94	11.50	300
L	,,,,	11.00	000

#### FABRICATED SOLID BODIES (Cont'd.)

Body No. <sup>2</sup>	Bore Size	Hub Length	Wt.
	1.94	5.50	250
	2.44	5.50	289
	2.94	5.50	244
	3.44	5.50	240
	3.94	5.50	235
	4.44	7.75	262
25	4.94	7.75	254
25	5.44	7.75	286
	5.94	7.75	276
	6.44	8.50	314
	6.94	8.50	301
	7.44	8.50	322
	7.94	8.50	308
	8.44	11.50	414
	1.94	5.50	325
	2.44	5.50	375
	2.94	5.50	448
	3.44	5.50	444
	3.94	5.50	440
	4.44	8.50	459
35	4.94	8.50	452
- 55	5.44	8.50	478
	5.94	8.50	469
	6.44	8.50	518
	6.94	8.50	506
	7.44	8.50	526
	7.94	8.50	512
	8.44	11.50	619

All dimensions given in inches and weight in Lbs.

© Steel bodies are recommended for use with RS856, ER956, ER857, ER859, ER864, SBX856, SBX2857, SBX2859 and SBX2864 rims used in severe service such as cement mill elevators.

 $^{\textcircled{0}}$  Body no. represents bolt circle diameter. See page 93 for bolting information.

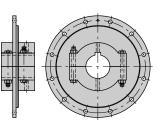
### SEGMENTAL RIM SPROCKETS AND **TRACTION WHEELS** – (Cont'd.)

### **Split Hub Bodies**

Split hub bodies can be easily installed in existing applications without removing the shaft, bearing or chain. Split hub bodies can be furnished in cast iron or fabricated steel. Complete set of hub bolts and nuts included.

The outer rim of both cast and fabricated steel hub bodies is machined to precise concentricity and the flange base is machined to provide a mating surface for

the rim. This insures correct fit and proper installation of segmental traction wheels and sprocket rims. Hubs are central with the center line of rims.



Fabricated steel bodies

are recommended for use in severe applications, such as cement mill, to provide maximum fatigue and wear life.

### CAST SPLIT BODIES<sup>①</sup>

### FABRICATED SPLIT BODIES

Body No. <sup>2</sup>	Bore Size	Hub Length	Wt.
10	1.94	5.63	53
10	2.44	5.63	51
	1.94	5.63	75
	2.44	5.63	72
12	2.94	7.00	125
	3.44	7.00	120
	3.94	7.00	115
	1.94	6.50	97
	2.44	6.50	125
	2.94	7.25	168
16	3.44	7.25	164
	3.94	7.25	158
	4.44	8.25	237
	4.94	8.25	229
	1.94	4.38	126
	2.44	5.00	163
	2.94	5.00	160
	3.44	5.00	157
	3.94	6.50	235
20	4.44	6.50	229
20	4.94	6.50	223
	5.44	7.63	328
	5.94	7.63	319
	6.44	11.13	641
	6.94	11.13	626
	7.44	11.13	610

All dimensions given in inches and weight in Lbs. Steel bodies are recommended for use with RS856, ER956, ER857, ER859, ER864, SBX856, SBX2857, SBX2859 and SBX2864 rims used in severe service

such as cement mill elevators.

FABRICATED SPLIT BODIES								
Body No. <sup>2</sup>	Bore Size	Hub Length	Wt.					
	1.94	6.75	109					
	2.44	6.75	105					
10	2.94	6.75	101					
12	3.44	6.75	97					
	3.94	6.75	91					
	4.44	7.75	134					
	4.94	7.75	126 145					
	1.94 2.44	6.75 6.75	143					
	2.44	6.75	138					
	3.44	6.75	133					
16	3.94	6.75	127					
	4.44	7.75	169					
	4.94	7.75	161					
	5.44	7.75	212					
	5.94	7.75	202					
	1.94	6.75	198					
	2.44	6.75	195					
	2.94	6.75	191					
	3.44	6.75	186					
	3.94	6.75	181					
	4.44	7.75	217					
20	4.94	7.75	209					
	5.44 5.94	7.75 7.75	271 261					
	6.44	9.50	361					
	6.94	9.50	347					
	7.44	8.75	367					
	7.94	8.75	352					
	8.44	8.75	430					
	1.94	6.75	289					
	2.44	6.75	286					
	2.94	6.75	282					
	3.44	6.75	277					
	3.94	6.75	272					
	4.44	7.75	307					
25	4.94	7.75	299					
	5.44	7.75	359					
	5.94 6.44	7.75 8.75	349 447					
	6.94	8.75	447					
	7.44	8.75	453					
	7.94	8.75	433					
	7.44	8.75	513					
	1.94	6.75	375					
	2.44	6.75	372					
	2.94	6.75	487					
	3.44	6.75	482					
	3.94	6.75	476					
	4.44	7.75	511					
35	4.94	7.75	503					
	5.44	7.75	564					
	5.94	7.75	554					
	6.44 6.94	8.75 8.75	652 638					
	7.44	8.75	657					
	7.94	8.75	642					
	8.44	8.75	717					
	0.11	0.70						

#### BODY BOLTING

Body No.	Bolt Quantity	Bolt Size	Bolt Torque Ft./Lbs.
10	12	5/8	180
12	12	5/8	180
16	12	<sup>3</sup> /4	320
20	24	3/4	320
25	24	1	710
35	24	1	710

Torque values based on dry conditions.

1 Ft. Lb. Torque = 1 Lb. Force With 1 Ft. Lever Arm.

### SPROCKETS

### SEGMENTAL RIM SPROCKETS AND TRACTION WHEELS – (Cont'd.)

### **Cast Rims**

Each traction wheel rim and sprocket rim is induction case-hardened to the highest practical hardness around the entire circumference. The hardness depth is controlled to give the longest wear life, yet leaving the interior tough and ductile – perfect qualities for absorbing the impact and shock loads encountered in "elevator-conveyor" service.

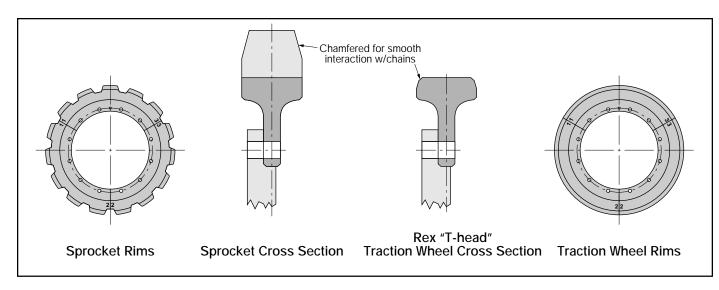
Segmental sprocket rims can be reversed (back side of tooth becomes the working face), in order to maximize wear life.

Segmental traction wheel rims can be easily installed, no need to even remove the chain in order to replace worn out rims. No burning or cutting is necessary. Our "T" head traction wheel design moves the center of the chain load more closely over the body flange, thus reducing the possibility of hub fatigue problems.

Segmental rim traction wheels are split with cuts in the rims that are made diagonally. These diagonal cuts eliminate the possibility of the segments spalling or chipping at the line of split as a result of chain bushing or barrel line impact.

The sides of the segmental traction wheel & sprocket rims are chamfered to allow the chain to "enter" and "leave" smoothly without damaging the chain components.

All rims are furnished with high strength UNC thread nuts and bolts as standard.



Available Cast Traction Wheel Rims
(with Bolts, Washers and Nuts)

Rex Chain No.	Link-Belt Chain No.	No. of Teeth	Use Body No.①	Pitch Dia. In.	Wt. Each Lbs.
S110 A102B S102B A102 <sup>1</sup> / <sub>2</sub> S102 <sup>1</sup> / <sub>2</sub>	SBS110 C102B SBS102B C102 <sup>1</sup> / <sub>2</sub> SBS102 <sup>1</sup> / <sub>2</sub>	24	16	115	1.75
ES111 A111	SBS111 C111	22 24 26 30	16 16 20 20	110 130 140 165	2.25
RS856 ER857 ER956	SBX856 SBX2857	20 22 24 26 28 30	12 16 20 20 20	90 115 145 155 170 185	2.75
ER859 ER864	SBX2859 SBX2864	24 26 30 36 42 49	16 20 20 35 35	165 175 235	3.50

NOTE: Fabricated steel rims are readily available for most every chain. Consult Rexnord. <sup>①</sup> Body No. represents bolt circle diameter in inches.

### ■ SPROCKETS POLYMERIC SPROCKET AND IDLER WHEELS

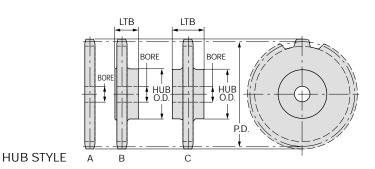
Cast Body Segmental Polymeric Sprocket



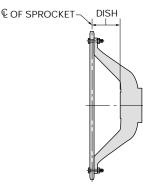
Split Polymeric Sprocket



All Polymeric Dished Sprocket







### POLYMERIC SPROCKET AND IDLER WHEELS

Polymeric chains will provide the ultimate in service when operated with properly designed sprockets. Just like polymeric chains differ from metal chains, so do polymeric sprockets differ vastly from metal sprockets.

The polymeric sprocket must be designed for the particular chain, considering the chain's special capability and intended use. Many factors are taken into account when designing these sprockets: Tooth pressure angle, pitch line clearance, bottom diameter, pocket and topping radii and tooth working face, to name a few. A poor design in any of these areas may cause chain failure.

Rex<sup>®</sup> Polymeric chain run better on Rex Polymeric sprockets. Polymeric sprockets resist corrosion and reduce friction, maximizing both chain and sprocket life. These quiet running, shock absorbing sprockets also improve system reliability.

The American Chain Association recommends that "Sprockets normally be obtained from the manufacturer of the chain involved." The Association further cautions that "worn sprockets should always be replaced when new chain is installed... "

### Features

- **Designed specifically for use with polymeric chains** for greatest chain and sprocket life.
- Made from super tough urethane. Rex sprockets resist particle embedment (and the rapid chain wear that can result), a common problem with other plastic materials.
- **One-piece design** Rex polymeric sprockets are all polymeric, or available with a steel insert cast integral with the body.
- Absorbs vibration and large shock loads better than steel sprockets, thus protecting the chain and providing quieter operation.
- **Reduces friction,** which improves chain life.
- **Split sprockets** most sprockets are available in split design for ease of installation.

### ■ SPROCKETS

### **POLYMERIC SPROCKET AND IDLER WHEELS – (Cont'd.)**

						-	Dimensions a Bore Capaci	re in inches. Weig	hts are in pounds
	Number of		Hub <sup>®</sup> -						
	Teeth	P. D.				W/O Ke	y Wi	th Key <sup>®</sup>	Weight <sup>®</sup>
	recui		0. D.	L. T	. В.	Max.	Min.	Max.	1
	7	3.76	2.50	1.	75	1.50	.88	1.25	.6
N45 Polymeric Sprocket	8	4.26	3.00	1.	75	2.00	.88	1.25	.9
	9	4.77	3.00	1.	75	2.00	1.00	1.25	1.0
Pitch 1.630	10	5.27	3.75	1.	75	2.75	1.13	2.63	2.0
Tooth Face at Pitch Line .75	11	5.79	3.75	1.	75	2.75	1.13	2.63	2.1
Hub Style B	12	6.30	3.75	1.	75	2.75	1.25	2.63	2.3
Mandrel Bore .44	13	6.81	4.75	1.	75	3.75	1.25	2.88	2.9
	14	7.33	4.75	1.	75	3.75	1.25	2.88	3.1
	15	7.84	4.75	1.	75	3.75	1.25	2.88	3.3
	16	8.36	4.75	1.	75	3.75	1.38	2.88	3.5
	17	8.87	4.75	1.	75	3.75	1.50	2.88	3.7
	18	9.39	4.75	1.	75	3.75	1.50	2.88	4.0
	7	5.32	3.75	2.0	00	2.75	1.25	2.25	1.1
	8	6.03	3.75	2.0		2.75	1.25	2.25	1.3
N77 Polymeric Sprocket	9	6.75	4.75	2.0		3.75	1.25	2.88	1.2
Pitch 2.308	10	7.47	4.75	2.0		3.75	1.50	2.88	1.5
Tooth Face at Pitch Line .75	11	8.19	4.75	2.0	00	3.75	1.50	2.88	1.7
Hub Style B	12	8.92	4.75	2.0	00	3.75	1.50	2.88	2.0
Mandrel Bore .44	13	9.64	4.75	2.0	00	3.75	1.50	2.88	2.3
	14	10.37	4.75	2.0	00	3.75	1.63	2.88	2.7
	15	11.10	4.75	2.0	00	3.75	1.75	2.88	3.0
N77 Polymeric Sprocket									
Tooth sprocket with Cast Iron Body Pitch 2.308	Number of Teeth	P. D.	Hub Di	ameter	L. '	Т. В.	Bolt Circle	Max. Bore	Weight <sup>®</sup>
Tooth Face at Pitch Line .75 Hub Style C Deep or Shallow Dished	39	28.68	G	0		0	25	٢	0

<sup>①</sup> Based upon keyed driver sprocket used with polymeric chain at the maximum rated working load. Consult Rexnord for information on steel hub inserts.
 <sup>②</sup> Contact factory for hub sizes and weights.
 <sup>③</sup> Data without steel hub inserts.
 **IMPORTANT: Polymeric sprockets with steel hub inserts are recommended for applications using metal chains.**

### ■ SPROCKETS

### **POLYMERIC SPROCKET AND IDLER WHEELS – (Cont'd.)**

Dimensions are in inches. Weights are in pounds.

							Bore Capaci	ties	
	Number of	P. D.	ŀ	lub3		W/O Key With Key <sup>®</sup>			Weight <sup>3</sup>
	Teeth		0. D.	L. T	. В.	Max.	Min.	Max.	5
	7	6.01	3.75	2.	25	2.75	1.25	2.25	2.4
	8	6.82	3.75	2.	25	2.75	1.50	2.25	3.1
	9	7.63	4.75	2.	25	3.75	1.50	2.75	4.7
	10	8.44	4.75	2.	25	3.75	1.50	2.75	5.0
	11	9.26	4.75	2.	25	3.75	1.63	2.75	5.7
	12	10.08	4.75	2.	25	3.75	1.75	2.75	6.2
	13	10.90	4.75	2.	25	3.75	1.88	2.75	6.7
	14	11.73	4.75	2.	25	3.75	1.88	2.75	7.3
N78 Polymeric Sprocket	15	12.55	4.75	2.	25	3.75	1.88	2.75	8.0
Pitch 2.609	16	13.37	7.00	4.	00	6.00	1.50	4.00	15.8
Tooth Face at Pitch Line .94	17	14.20	7.00	4.	00	6.00	1.63	4.00	16.7
Hub Style B 7-15 Teeth	18	15.03	7.00	4.	00	6.00	1.63	4.00	17.4
Hub Style C 16-31 Teeth	19	15.85	7.00	4.	00	6.00	1.63	4.00	18.2
Mandrel Bore .94	20	16.68	7.00	4.	00	6.00	1.75	4.00	19.3
	21	17.51	7.00		00	6.00	1.88	4.00	20.2
	22	18.33	7.00	4.	00	6.00	1.88	4.00	21.4
	23	19.16	7.00	4.	00	6.00	1.88	4.00	22.3
	24	19.99	7.00	4.	00	6.00	1.88	4.00	22.5
	25	20.82	7.00	4.	00	6.00	1.88	4.00	24.6
	26	21.64	7.00	4.	00	6.00	1.88	4.00	26.1
	27	22.47	7.00	4.	00	6.00	1.88	4.00	27.1
	28	23.30	7.00	4.	00	6.00	1.88	4.00	28.6
	29	24.13	7.00	4.	00	6.00	1.88	4.00	30.3
	30	24.96	7.00	4.	00	6.00	1.88	4.00	31.4
	31	25.79	7.00	4.	00	6.00	1.88	4.00	33.0
N78 Polymeric Sprocket Segmental Tooth Sprocket with Cast Iron Body Pitch 2.609	Number of Teeth	P. D.	Hub Di	ameter	L. 1	Г. В.	Bolt Circle	Max. Bore	Weight <sup>®</sup>
Tooth Face at Pitch Line .94	40	33.25	(2	)	(	2	30	2	2
Hub Style C Deep or Shallow Dished	43	35.65					30		
Contact Factory For Hub	48	39.89					30		
Sizes and Weights	54	44.87					30		
N78 All Polymeric Dished Sprocket with Segmental Tooth	Number of Teeth	P. D.	Max. Dian	neter	L. 1	Г. В.	Bolt Circle	Max. Bore	Weight <sup>®</sup>
Pitch 2.609 Tooth Face at Pitch Line .94	40	33.25	8.0	SD	7.	31	30	5.44	81
Hub Style C	40	33.25	10.0	)SD	5.	00	30	4.94	93
Shallow or Deep Dished	43	35.65		SD		31	30	5.44	92
<ul> <li>Shallow Dished (SD)</li> </ul>	43	35.65		)SD		00	30	4.94	101
1.5", 1.75", 2"									
Deep Dished (DD)	48	39.89		SD		31	30	5.44	112
6.25", 6.5"	48	39.89	10.0	JSD	5.	00	30	4.94	122

D Based upon keyed driver sprocket used with polymeric chain at the maximum rated working load. Consult Rexnord for information on steel hub inserts.
 Contact factory for hub sizes and weights.
 Data without steel hub inserts.

IMPORTANT: Polymeric sprockets with steel hub inserts are recommended for applications using metal chains.

### POLYMERIC SPROCKET AND IDLER WHEELS - (Cont'd.)

	Number of	P. D.		lub <sup>3</sup>		W/O Key	Bore Capacit	e in inches. Weig ies h Key®	
	Teeth	eeth P. D. O. D.		L. T	D	Max.	Min.	n key⊍ Max.	Weight <sup>®</sup>
	7	7.09	4.75	2.7		3.75	1.25	2.50	4.6
	8	8.04	4.75	2.7		3.75	1.23	2.50	5.2
182 Polymeric Sprocket	9	8.99	6.00	4.0	-	5.00	1.50	4.25	6.0
Pitch 3.075 Tooth Face at Pitch Line 1.13	10	9.95	7.00	4.0		5.00	1.50	4.25	6.8
	10	9.95 10.91	7.00	4.0		5.00	1.63	4.25	7.6
lub Style B 7-8 Teeth	12	11.88	7.00	4.0		5.00	1.03	4.25	8.6
lub Style C 9-18 Teeth Iandrel Bore .94	12	12.85	7.00	4.0		6.00	1.75	5.00	9.7
	14	13.82	7.00	4.0		6.00	1.88	5.00	10.8
	15	14.79	7.00	4.0		6.00	1.88	5.00	11.9
	16	15.76	7.00	4.0		6.00	1.88	5.00	13.0
	17	16.73	7.00	4.0		6.00	1.88	5.00	14.1
	18	17.71	7.00	4.0	00	6.00	1.88	5.00	15.2
<b>I82 Segmental Sprocket</b> Tooth sprocket with Cast Iron Body Pitch 3.075	Number of Teeth	Р. D.	Hub Di	ameter	L. 1	. В.	Bolt Circle	Max. Bore	Weight <sup>®</sup>
ooth Face at Pitch Line 1.13 Hub Style C Deep or Shallow Dished	36 35.28		٢		0	D	25	٢	0
N82 Polymeric Dished Sprocket with Segmental Teeth Pitch 3.075	Number of Teeth	P. D.	Max.Hub Diameter		L. 1	. В.	Bolt Circle	Max. Bore	Weight <sup>®</sup>
ooth Face at Pitch Line 1.3 Hub Style C Shallow or Deep Dished Shallow Dished (SD)	36	35.28	8.0SD		7.:	.31 30		5.44	88
1.5", 1.75", 2" Deep Dished (DD) 6.25", 6.5"	36	35.28	10.	DDD	5.0	00 30		4.94	100
	Number						Bore Capaci	ties	
250 All Polymeric	Number of Teeth	P. D.	D.		Hub <sup>3</sup>		Wi	With Key <sup>®</sup>	
Pitch 2.500	reeur		0. D.	L. T. B.		Max.	Min.	Max.	
ooth Face at Pitch Line .63	11	8.87	4.75	2.2	25	3.75	1.50	3.00	3.5
	1 11 1								4.1
lub Style B				2	25	3.75	1.50	3.00	
lub Style B	12 14	9.66 11.24	4.75 4.75	2.1 2.1		3.75 5.00	1.50 1.75	3.00 2.75	4.5
lub Style B /landrel Bore .94	12	9.66	4.75 4.75	2.2			1.75	2.75	4.5
lub Style B landrel Bore .94 325 Polymeric Sprocket	12 14	9.66 11.24	4.75 4.75			5.00	1.75 Bore Capaci	2.75	
lub Style B landrel Bore .94 325 Polymeric Sprocket itch 3.268	12	9.66	4.75 4.75	2.2	25	5.00 W/O Key	1.75 Bore Capaci	2.75 ties th Key®	4.5 Weight®
Aub Style B Mandrel Bore .94 I325 Polymeric Sprocket Pitch 3.268 Tooth Face at Pitch Line .81 Aub Style C	12 14 Number of	9.66 11.24 P. D.	4.75 4.75	2.2	25	5.00	1.75 Bore Capaci	2.75	Weight®
Aub Style B Mandrel Bore .94 I325 Polymeric Sprocket Pitch 3.268 Tooth Face at Pitch Line .81 Aub Style C	12 14 Number of	9.66 11.24	4.75 4.75	2.2	25 . <b>B</b> .	5.00 W/O Key	1.75 Bore Capaci	2.75 ties th Key®	
Aub Style B Mandrel Bore .94 I325 Polymeric Sprocket Pitch 3.268 Tooth Face at Pitch Line .81 Aub Style C Mandrel Bore .94	12 14 Number of Teeth 10	9.66 11.24 P. D.	4.75 4.75 <b>0. D.</b> 4.75	2.: Hub <sup>®</sup> L. T 3.(	25 . <b>B</b> .	5.00 W/O Key Max.	Bore Capaci Wit	2.75 ties th Key® Max. 3.00	Weight®
Hub Style B Mandrel Bore .94 <b>J325 Polymeric Sprocket</b> Pitch 3.268 Tooth Face at Pitch Line .81 Hub Style C Mandrel Bore .94 <b>J9350 Polymeric Sprocket</b> Pitch 3.50	12 14 Number of Teeth 10 Number of	9.66 11.24 P. D.	4.75 4.75 <b>0. D.</b> 4.75	2.2 Hub <sup>®</sup> L. T	25 . <b>B</b> .	5.00 W/O Key Max.	1.75     Bore Capaci     Win     Min.     1.50   Bore Capaci	2.75 ties th Key® Max. 3.00	Weight®
Hub Style B Mandrel Bore .94 V325 Polymeric Sprocket Pitch 3.268 Footh Face at Pitch Line .81 Hub Style C Mandrel Bore .94 V9350 Polymeric Sprocket Pitch 3.50 Footh Face at Pitch Line .81 Hub Style C	12 14 Number of Teeth 10	9.66 11.24 <b>P. D.</b> 10.58	4.75 4.75 <b>0. D.</b> 4.75	2.: Hub <sup>®</sup> L. T 3.(	25 . <b>B</b> . 00	5.00 W/0 Key Max. 3.75	1.75     Bore Capaci     Win     Min.     1.50   Bore Capaci	2.75 tites th Key® Max. 3.00 tites	Weight® 5.7

<sup>0</sup> Based upon keyed driver sprocket used with polymeric chain at the maximum rated working load. Consult Rexnord for information on steel hub inserts.
 <sup>(2)</sup> Contact factory for hub sizes and weights.
 <sup>(3)</sup> Data without steel hub inserts.
 <sup>(3)</sup> IMPORTANT: Polymeric sprockets with steel hub inserts are recommended for applications using metal chains.

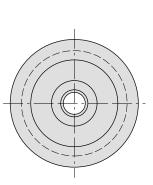
### **DOUBLE-FLANGED POLYMERIC IDLERS**

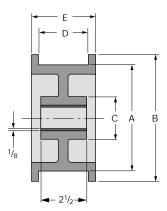
Corrosion resistant Polymeric Double-Flanged Idlers are designed for use with polymeric chains to insure longer system life and quieter operation. The six inch (DF6) and eight inch (DF8) diameter double-flanged idler wheels are manufactured from high-strength, wear-resistant polymeric material with a bronze bushing assembled into each idler. Some of the chains used on these wheels: NH45, NH77, NH78\*, NHT78\*, N250, N250WS, N325, N348, N9350, N9350WS. DF8 – NH45, NH77, NH78, NHT78, WH78, NH82, WH82, WH260, WH784, WHT78, WHT130, WHT138.

#### Features

- Made from polymeric and bronze materials that will not rust.
- Bronze bushed so that it can be used on nonrotating shafts as tail wheels, return support rollers, or drive take-up idlers.
- Double tapered flanges to effectively guide the chain into the center of the idler without unnecessary noise and chain wear.
- Engineered polymer reduces noise.
- Simple design means the idler is shaft ready and no machining is required.
- Designed so that two set collars will easily hold the idler in place.
- \* Must machine "D" Dimension to 3 inches.







NOTE: For chains with extended rivets, single-flanged Polymeric idlers are available upon request.

### Dimensions are in inches. Weights are in pounds.

	Diameter			Length Thru	l l	Nidth		
Double Flanged Idler Wheels	Inside	Outside	Hub	Bore	Inside	Outside	Max. Bore	Weight <sup>®</sup>
	А	В	C	(L. T. B.)	D	E		
6 D.F. Wheel	6	7.25	3.25	2.50	2.69	3.50	1.44	2.8
8 D.F. Wheel	8	9.50	4.25	3.00	3.63	4.50	2.44	4.5

① Approx. – Not Bushed Wheels are normally stocked.