



SPROCKETS



FLAME CUT, FLAME HARDENED SPROCKETS

ENGINEERED TO EXCEL



ABOUT US

Webster Industries, Inc., headquartered in Tiffin, Ohio, is an innovative leader in the engineered class chain, sprocket, vibrating equipment and malleable cast iron markets. Since its start in 1876, Webster has evolved into a vertically integrated chain manufacturer that serves a variety of industries. The company now employs around 300 people nationwide and has facilities in Ohio, Mississippi and Oregon. Throughout its 140 years in business, Webster's focus has consistently been on American materials, American labor and American pride. A strong concentration on customer service, based on seamless vertical integration ensures that Webster's clients receive the highest quality products and service in the industry.



VERTICAL INTEGRATION

While many companies rely increasingly on outsourcing for production needs, Webster Industries has invested in building, maintaining and growing a vertically integrated manufacturing system. With full services under one roof at our Tiffin, Ohio, headquarters, Webster offers superior product design, consistent product quality and the best delivery time in the industry. Our 350,000 square foot manufacturing facility includes the following departments:

- Punching & Stamping
- Heat Treat
- Machining & Sprocket Fabrication
- Metal Fabrication
- Chain Assembly & Welding
- Foundry

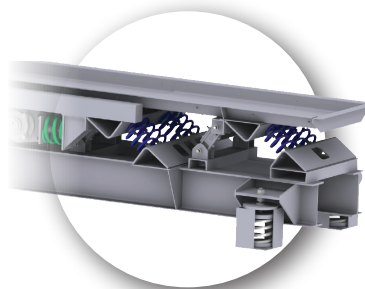
OUR PRODUCTS



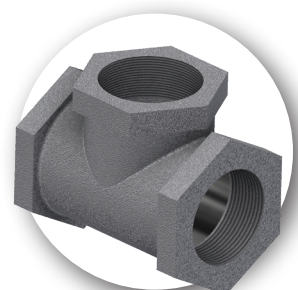
ENGINEERED
CLASS CHAIN



SPROCKETS



VIBRATING
EQUIPMENT



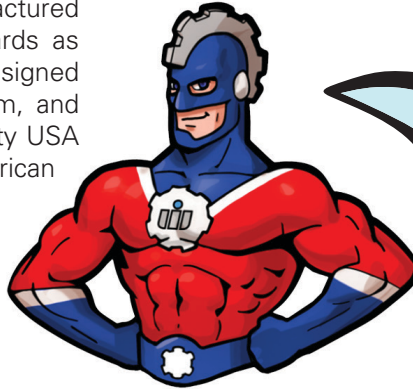
SPECIALTY
CASTINGS



WEBSTER SPROCKET DESIGN

Webster Sprockets are designed and manufactured according to the same core quality standards as Webster chain. Each sprocket is carefully designed by Webster's experienced engineering team, and is then manufactured with the highest quality USA made medium carbon steel by skilled American laborers.

Pairing Webster Chain and Sprockets on your application, ensures that your conveyor is performing at the highest level of productivity, reliability and service.



WHY WEBSTER SPROCKETS?

Purchase with Chain
Double Your Warranty
Industry Best Delivery
Easy Customization
Highest Quality
Qualifies for Free Freight
Made In The USA

WEBSTER'S SPROCKET DESIGN

Webster Sprockets are designed and manufactured per the ASME/ANSI specification. The sprocket selection and design depend on the chain and the customer's application. Webster's standard design utilizes low profile teeth to ensure the sprocket does not interfere with the chain and its attachments. Various material options and numerous teeth profiles, plating options and special features are available upon request. Please consult our engineering department for any special needs.

WEBSTER SPROCKET FEATURES

LIFTING HOLE

Are positioned directly above the key and provide easy placement of a lifting strap, rod or other device to make sprocket installation easier and safer. Lifting holes are provided on all sprockets unless restricted by space.

FLAME HARDENED TEETH

Webster's automated, computer-controlled hardening process increases wear resistance and sprocket longevity. Our hardening process allows us to achieve precise hardness levels. All Webster sprockets have a minimum 40 Rc in all critical wear areas and utilize USA made 1045 steel plate.

WEAR LINE INDICATORS

Indicate when it is time to replace the sprockets. When the sprocket face is worn to the scribed line the sprocket needs replaced along with the chain. Wear line indicators are an easy visual tool to help guide best practices in chain sprocket and conveyor operations.

LIGHTENING HOLES

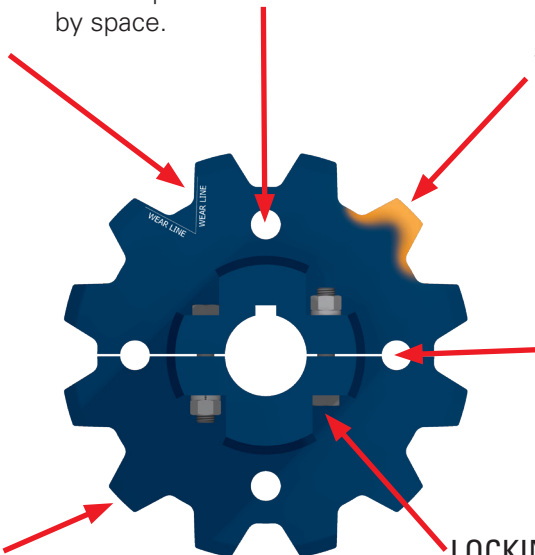
Provided on some sprockets so that weight can be reduced. Lightening holes come standard on most bucket elevator sprockets and upon customer request unless restricted by space.

MACHINED CHAMFERED TEETH

All teeth are machine chamfered at a 15 degree angle on each side of the tooth to ensure proper chain and sprocket engagement. This reduces the likelihood of sprocket and sidebar scrubbing or improper chain engagement resulting in premature, unexpected failures.

LOCKING HEAD FEATURE

Split sprockets come with a locking head feature which allow for ease of assembly. The hub holds the head of the bolt against its flat edge. This allows one tool and one person to easily torque the locking nut in place securing the sprocket to the shaft.

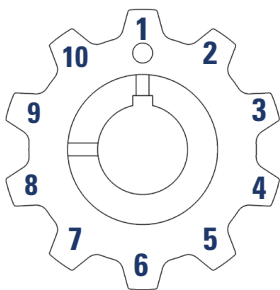


SPROCKET NOMENCLATURE



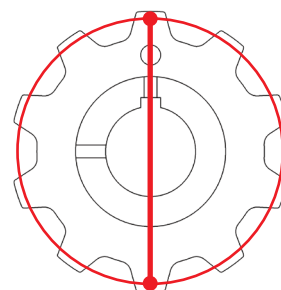
NUMBER OF TEETH

The actual count of the sprocket teeth which engage the chain.



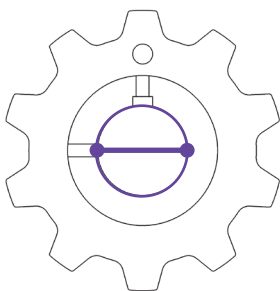
PITCH DIAMETER (P.D.)

The diameter of the circle that a chain makes when it wraps or chords around a sprocket. This measurement is taken from the center of a chain pin across the sprocket to the center of the opposite chain pin.



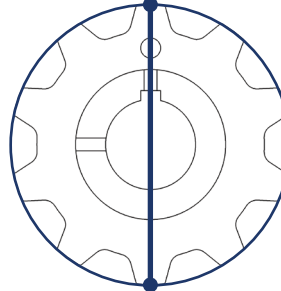
BORE DIAMETER

The diameter of the circle of the central hole in the sprocket or hub.



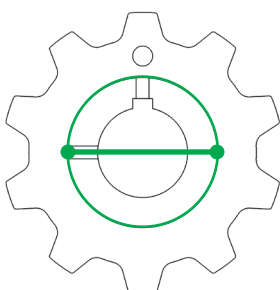
OUTSIDE DIAMETER (O.D.)

The outside diameter is the measurement from the tip of one sprocket tooth to the corresponding sprocket tooth directly opposite.



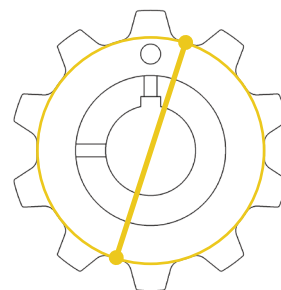
HUB OUTSIDE DIAMETER (H.O.D.)

The outside diameter of the hub which is welded to the sprocket plate.



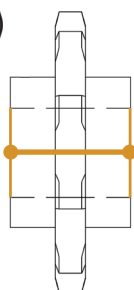
BOTTOM DIAMETER (B.D.)

The diameter of the circle that is the lowest pocket point to the lowest pocket point directly opposite.



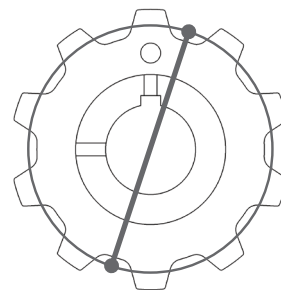
LENGTH THROUGH BORE (L.T.B.)

The length of the hub that the shaft passes through and contacts. This is designed for torque transmission and stability.



ROOT DIAMETER

The diameter of a circle a chain makes as it sits in the bottom of the pocket. This measurement is taken from the bottom of the chain round component (roller, bushing or barrel) to the opposite round component.



WORKING FACE

The straight line of a sprocket tooth where the chains engages and wears against. This is designed for maximum chain elongation but also short enough to avoid interferences.

PITCH LINE CLEARANCE

The measurement of the elongated pocket shapes. Designed to allow slight material build up without interfering in chain articulation around a sprocket.



SPROCKET SELECTION PROCEDURE

CHAIN

What chain number is being used?

TEETH

Number of teeth. For flame cut, flame hardened sprockets, any number of teeth are available. The effective number of teeth or teeth engaging the chain should be specified when ordering a Hunting (Walking) Tooth or Gap Tooth Sprocket.

MATERIAL

FLAME CUT, FLAME HARDENED SPROCKETS AND TRACTION WHEELS

Flame cut, flame hardened sprockets and traction wheels are manufactured to a standard hardness of 40 Rc minimum at the surface. The inherent strength and flame hardened teeth of these sprockets provide maximum service in abrasive applications with high shock loading. The versatility of flame cut sprockets allows for specialized designs for a variety of customer requirements.

STAINLESS STEEL SPROCKETS

Stainless steel sprockets are available for extremely harsh, abrasive or highly corrosive applications. Webster offers multiple grades of stainless steel including 300 and 400 series.

ARMORMAX SPROCKETS

For severe duty applications and the demanding requirements for bucket elevators, Webster offers ArmorMAX Sprockets. These sprockets have superior hardness specifications. All ArmorMAX Sprockets are hardened to 55 Rc minimum at the surface. All Webster Sprockets can be offered with ArmorMAX hardening.



CONSTRUCTION



SOLID

Solid sprockets are the standard body option. This sprocket is manufactured in one piece and will need to be slid on the shaft during installation in the conveyor.

SPLIT

Split sprockets are manufactured in two pieces. They are used where ease of installation or replacement is required without disturbing the shaft, bearings or other sprockets.



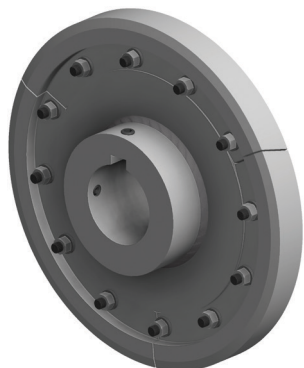
SEGMENTAL

Segmental sprockets have removeable segments of teeth (sprockets) or rims (traction wheels). Rim segments may be replaced without removing the chain by rotating the sprocket until one segment is free from the chain, replacing it, then rotating to the next segment. Segmental sprockets and traction wheels can be furnished with solid or split bodies. Segments should be replaced in complete sets to ensure proper fit.



TYPE

Webster's standard design is a solid, split or segmental rim with a low profile tooth. Other types of sprockets are detailed below.

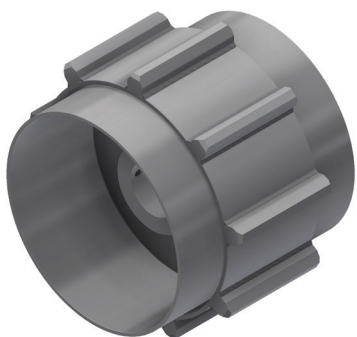
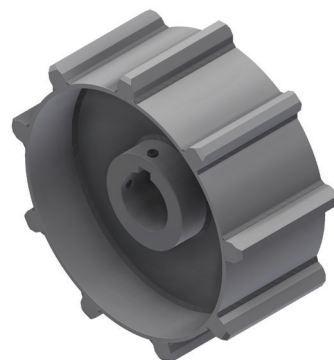


TRACTION WHEELS

Traction Wheels do not have teeth to engage the chain, consequently they rely on friction to drive the chain. Traction Wheels are normally made from medium carbon steel, but also can be made from alloy steels, as well as stainless.

DRUM SPROCKETS

Drum Sprockets are found in applications where wide drag chains are used. These sprockets are manufactured with full width teeth or a double plate design. The benefit of a full width tooth sprocket design is that they allow for a greater contact area. Larger contact area is a benefit because it allows for better wear on a sprocket.

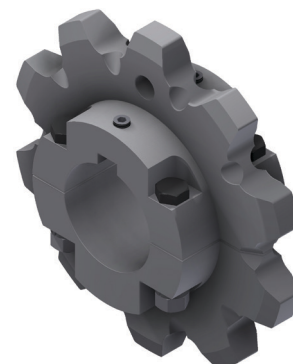


FLANGED RIM DRUM SPROCKETS

Flanged Rim Drum Sprockets are a version of drag chain sprockets with flanges. Flanges are side extensions added to the drum that keep material from falling onto the shaft. This sprocket feature is usually used in conjunction with drag chains that contain wing attachments. It is imperative that the location of the flange does not interfere with the chain articulation.

MUD RELIEF SPROCKETS

Mud Relief Sprockets are used to help keep material from building up in the pocket of the sprocket. The relief is normally machined, burnt or ground in the sprocket plate.





SPROCKET SELECTION PROCEDURE



HUNTING (WALKING) TOOTH

Hunting (Walking) Tooth Sprockets have an odd number of teeth, with the pitch of the teeth one half that of the chain. This makes the chain barrel advance one half pitch for each sprocket revolution. This action alternates the teeth which are in contact with the chain, thereby doubling the sprocket life.

GAP TOOTH SPROCKETS

Gap Tooth Sprockets are used with chains having thru rods or rollers located mid-pitch. Minimum pitch line clearance sprockets should be specified for use on conveyors or drives, which are reversed and where normal backlash is desirable.

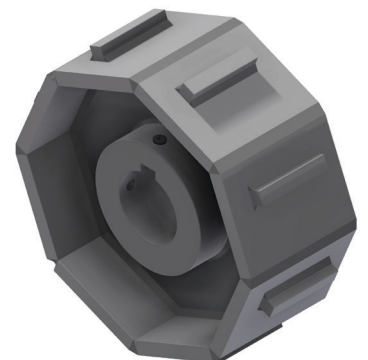


CHAIN SAVER SPROCKETS

Chain Saver Sprockets have a special rim that is located under the sidebars, and as the chain wraps the sprocket, they allow for the sidebars to rest on them. Chain Saver Sprockets help the chain to run at the pitch diameter of the sprocket.

CLINKER DRAG CHAIN SPROCKETS

Clinker Drag Chain Sprockets are used in extremely abrasive and high temperature conveying environments. The design includes a smaller bottom diameter on the head sprocket to allow for clearance on barrel attachments. Additionally, octagonal wheels are used on tail sprockets.



SPROCKET SELECTION PROCEDURE



PITCH DIAMETER

TABLE 1 - PITCH DIAMETERS

Pitch in Inches	Number of Sprocket Teeth									
	6	7	8	9	10	11	12	13	14	15
1.375	2.75	3.17	3.59	4.02	4.45	4.88	5.31	5.75	6.18	6.61
1.500	3.00	3.46	3.92	4.39	4.85	5.32	5.80	6.27	6.74	7.22
1.506	3.01	3.47	3.94	4.40	4.87	5.35	5.82	6.29	6.77	7.24
1.630	3.26	3.78	4.26	4.77	5.28	5.79	6.30	6.81	7.33	7.84
1.631	3.26	3.76	4.26	4.77	5.278	5.79	6.30	6.82	7.33	7.85
1.634	3.27	3.77	4.27	4.78	5.29	5.80	6.31	6.83	7.34	7.86
1.654	3.31	3.81	4.32	4.84	5.35	5.87	6.39	6.91	7.43	7.96
2.308	4.62	5.34	6.03	6.75	7.47	8.19	8.92	9.64	10.37	11.10
2.609	5.22	6.01	6.82	7.63	8.44	9.26	10.08	10.90	11.73	12.55
2.636	5.27	6.08	6.89	7.71	8.53	9.36	10.19	11.02	11.85	12.68
3.000	6.00	6.91	7.84	8.77	9.71	10.65	11.59	12.54	13.48	14.43
3.075	6.15	7.09	8.04	8.99	9.95	10.92	11.88	12.85	13.82	14.79
3.170	6.34	7.31	8.28	9.27	10.26	11.25	12.25	13.25	14.25	15.25
3.675	7.35	8.47	9.60	10.75	11.89	13.04	14.20	15.36	16.52	17.68
3.690	7.38	8.51	9.64	10.79	11.94	13.10	14.26	15.42	16.58	17.75
4.000	8.00	9.22	10.45	11.70	12.94	14.20	15.46	16.71	17.98	19.24
4.040	8.08	9.31	10.56	11.81	13.07	14.34	15.61	16.88	18.16	19.43
4.063	8.13	9.36	10.62	11.88	13.15	14.42	15.70	16.98	18.26	19.54
4.083	8.17	9.41	10.67	11.94	13.21	14.49	15.78	17.06	18.35	19.64
4.090	8.18	9.43	10.69	11.96	13.24	14.52	15.80	17.09	18.38	19.67
4.610	9.22	10.63	12.05	13.48	14.92	16.36	17.81	19.26	20.72	22.17
4.760	9.52	10.97	12.44	13.92	15.40	16.90	18.39	19.89	21.39	22.89
5.000	10.00	11.52	13.07	14.62	16.18	17.75	19.32	20.89	22.47	24.05
5.188	10.38	11.96	13.56	15.17	16.79	18.42	20.05	21.68	23.32	24.95
6.000	12.00	13.83	15.68	17.54	19.42	21.30	23.18	25.07	26.96	28.86
6.050	12.10	13.94	15.81	17.69	19.58	21.47	23.38	25.28	27.19	29.10
6.125	12.25	14.12	16.00	17.91	19.82	21.74	23.67	25.59	27.53	29.46
7.000	14.00	16.13	18.29	20.47	22.65	24.85	27.05	29.25	31.46	33.67
7.240	14.48	16.69	18.92	21.17	23.43	25.70	27.97	30.25	32.54	34.822
8.000	16.00	18.44	20.91	23.39	25.89	28.40	30.91	33.43	35.95	38.48
9.000	18.00	20.74	23.52	26.31	29.13	31.95	34.77	37.61	40.45	43.29
12.000	24.00	27.66	31.36	35.09	38.83	42.59	46.36	50.14	53.93	57.72
14.000	28.00	32.27	36.58	40.93	45.31	49.69	54.09	58.50	62.92	67.34
18.000	36.00	41.49	47.04	52.63	58.25	63.89	69.55	75.21	80.89	86.58
24.000	48.00	55.31	62.72	70.17	77.67	85.19	92.73	100.29	107.86	115.43

For steel sprocket hub dimensions, see Table 4.

NOTE: All of these sprockets are available in flame cut, flame hardened fabricated steel or ArmorMAX.

NOTE: Chain saver and additional features are available. Contact Webster's Inside Sales department for availability.

NOTE: For traction wheels, the outside diameter should be specified in place of the pitch diameter. Flame cut, flame hardened traction wheels can be furnished in any diameter. Traction wheels should not be the pitch diameter of its corresponding sprocket.



SPROCKET SELECTION PROCEDURE

TABLE 1 - PITCH DIAMETERS

Pitch in Inches	Number of Sprocket Teeth									
	16	17	18	19	20	21	22	23	24	25
1.375	7.05	7.48	7.92	8.35	8.79	9.23	9.66	10.10	10.53	10.97
1.500	7.69	8.16	8.63	9.11	9.59	10.06	10.54	11.02	11.49	11.97
1.506	7.72	8.20	8.67	9.15	9.63	10.11	10.58	11.06	11.54	12.02
1.630	8.36	8.87	9.39	9.90	10.42	10.94	11.45	11.97	12.49	13.01
1.631	8.36	8.88	9.39	9.91	10.43	10.94	11.46	11.98	12.50	13.01
1.634	8.38	8.89	9.41	9.93	10.45	10.96	11.48	12.00	12.52	13.04
1.654	8.48	9.00	9.53	10.05	10.57	11.10	11.62	12.15	12.67	13.20
2.308	11.83	12.56	13.29	14.02	14.75	15.49	16.29	16.95	17.68	18.42
2.609	13.37	14.20	15.03	15.85	16.68	17.51	18.33	19.16	19.99	20.82
2.636	13.51	14.35	15.18	16.02	16.85	17.69	18.52	19.36	20.20	21.03
3.000	15.38	16.33	17.28	18.23	19.18	20.13	21.08	22.03	22.98	23.94
3.075	15.76	16.74	17.71	18.68	19.68	20.63	21.61	22.58	23.56	24.54
3.170	16.25	17.25	18.26	19.26	20.26	21.27	22.28	23.28	24.29	25.29
3.675	18.84	20.00	21.16	22.33	23.49	24.66	25.82	26.99	28.16	29.32
3.690	18.91	20.08	21.25	22.42	23.59	24.76	25.93	27.10	28.27	29.44
4.000	20.50	21.77	23.04	24.30	25.57	26.84	28.11	29.38	30.65	31.93
4.040	20.71	21.99	23.27	24.55	25.83	27.12	28.39	29.67	30.95	32.23
4.063	20.83	22.11	23.40	24.69	25.97	27.26	28.55	29.84	31.13	32.43
4.083	20.93	22.22	23.51	24.81	26.10	27.40	28.69	29.99	31.28	32.58
4.090	20.97	22.26	23.55	24.85	26.155	27.44	28.74	30.04	31.34	32.63
4.610	23.63	25.09	26.55	28.01	29.47	30.93	32.39	33.86	35.32	36.78
4.760	24.40	25.91	27.41	28.92	30.43	31.94	33.45	34.96	36.47	37.98
5.000	25.63	27.21	28.79	30.38	31.96	33.55	35.13	36.72	38.31	39.89
5.188	26.59	28.23	29.88	31.52	33.16	34.81	36.45	38.10	39.75	41.39
6.000	30.76	32.65	34.55	36.45	38.36	40.26	42.16	44.06	45.97	47.87
6.050	31.01	32.93	34.84	36.76	38.67	40.59	42.51	44.43	46.35	48.27
6.125	31.40	33.33	35.27	37.21	39.15	41.10	43.04	44.98	46.93	48.87
7.000	35.88	38.10	40.31	42.53	44.75	46.97	49.19	51.41	53.63	55.85
7.240	37.11	39.40	41.69	43.99	46.28	48.58	50.87	53.17	55.47	57.77
8.000	41.01	43.54	46.07	48.60	51.14	53.68	56.21	58.75	61.29	63.83
9.000	46.13	48.98	51.83	54.68	57.53	60.39	63.24	66.10	68.95	71.81
12.000	61.51	65.31	69.11	72.91	76.71	80.51	84.32	88.13	91.94	95.75
14.000	71.76	76.19	80.62	85.06	89.49	93.93	98.37	102.82	107.26	111.70
18.000	92.27	97.96	103.66	109.36	115.06	120.77	126.48	132.19	137.90	143.62
24.000	123.02	130.61	138.21	145.81	153.42	161.03	168.64	176.26	183.87	191.49

SPROCKET SELECTION PROCEDURE



TABLE 1 - PITCH DIAMETERS

Pitch in Inches	Number of Sprocket Teeth									
	26	27	28	29	30	31	32	33	34	35
1.375	11.40	11.84	12.28	12.72	13.15	13.59	14.03	14.47	14.90	15.34
1.500	12.44	12.92	13.40	13.87	14.35	14.83	15.30	15.78	16.26	16.73
1.506	12.49	12.97	13.45	13.93	14.41	14.89	15.37	15.84	16.32	16.80
1.630	13.52	14.04	14.56	15.08	15.59	16.11	16.63	17.15	17.67	18.18
1.631	13.53	14.04	14.57	15.09	15.60	16.12	16.64	17.16	17.68	18.20
1.634	13.56	14.08	14.59	15.11	15.63	16.15	16.67	17.19	17.71	18.23
1.654	13.72	14.25	14.77	15.30	15.82	16.35	16.88	17.40	17.93	18.45
2.308	19.15	19.88	20.61	21.35	22.08	22.81	23.55	24.28	25.01	25.75
2.609	21.65	22.47	23.30	24.13	24.96	25.79	26.62	27.45	28.28	29.11
2.636	21.87	22.71	23.54	24.38	25.22	26.06	26.89	27.73	28.57	29.41
3.000	24.89	25.84	26.79	27.75	28.70	29.65	30.61	31.56	32.51	33.47
3.075	25.51	26.49	27.46	28.44	29.42	30.40	31.37	32.35	33.33	34.30
3.170	26.30	27.31	28.31	29.32	30.33	31.33	32.34	33.35	34.36	35.36
3.675	30.49	31.66	32.82	33.99	35.16	36.33	37.49	38.66	39.83	41.00
3.690	30.61	31.79	32.96	34.13	35.30	36.47	37.65	38.82	39.99	41.17
4.000	33.19	34.46	35.73	37.00	38.27	39.54	40.81	42.08	43.35	44.62
4.040	33.52	34.80	36.08	37.37	38.65	39.93	41.22	42.50	43.79	45.07
4.063	33.71	35.00	36.29	37.58	38.87	40.16	41.45	42.74	44.04	45.33
4.083	33.87	35.17	36.47	37.76	39.06	40.36	41.66	42.95	44.25	45.55
4.090	33.93	35.23	36.53	37.83	39.13	40.43	41.73	43.03	44.33	45.63
4.610	38.25	39.71	41.17	42.64	44.10	45.57	47.03	48.50	49.96	51.43
4.760	39.49	41.00	42.51	44.03	45.54	47.05	48.56	50.08	51.59	53.10
5.000	41.48	43.07	44.66	46.25	47.83	49.42	51.01	52.60	54.19	55.78
5.188	43.04	44.69	46.34	47.98	49.63	51.28	52.93	54.58	56.23	57.88
6.000	49.78	51.68	53.59	55.49	57.40	59.31	61.21	63.12	65.03	66.94
6.050	50.19	52.11	54.04	55.96	57.88	59.80	61.72	63.65	65.57	67.49
6.125	50.81	52.76	54.71	56.65	58.60	60.54	62.49	64.44	66.38	68.33
7.000	58.07	60.30	62.52	64.74	66.97	69.19	71.42	73.64	75.87	78.09
7.240	60.07	62.36	64.66	66.96	69.26	71.56	73.87	76.17	78.47	80.77
8.000	66.37	68.91	71.45	73.99	76.53	79.08	81.62	84.16	86.70	89.25
9.000	74.67	77.52	80.38	83.24	86.10	88.96	91.82	94.68	97.54	100.40
12.000	99.56	103.37	107.18	110.99	114.80	118.61	122.43	126.24	130.06	133.87
14.000	116.15	120.59	125.04	129.49	133.94	138.38	142.83	147.28	151.73	156.18
18.000	149.33	155.05	160.77	166.48	172.20	177.92	183.64	189.36	195.08	200.81
24.000	199.11	206.73	214.35	221.98	229.60	237.23	244.86	252.48	260.11	267.74

For steel sprocket hub dimensions, see Table 4.

NOTE: All of these sprockets are available in flame cut, flame hardened fabricated steel or ArmorMAX.

NOTE: Chain saver and additional features are available. Contact Webster's Inside Sales department for availability.

NOTE: For traction wheels, the outside diameter should be specified in place of the pitch diameter. Flame cut, flame hardened traction wheels can be furnished in any diameter. Traction wheels should not be the pitch diameter of its corresponding sprocket.



SPROCKET SELECTION PROCEDURE

TABLE 1 - PITCH DIAMETERS

Pitch in Inches	Number of Sprocket Teeth									
	36	37	38	39	40	41	42	43	44	45
1.375	15.78	16.21	16.65	17.09	17.53	17.96	18.40	18.84	19.27	19.71
1.500	17.21	17.69	18.16	18.64	19.12	19.60	20.07	20.55	21.03	21.50
1.506	17.28	17.76	18.24	18.72	19.20	19.67	20.15	20.63	21.11	21.59
1.630	18.70	19.22	19.74	20.26	20.78	21.29	21.81	22.33	22.85	23.37
1.631	18.71	19.23	19.75	20.27	20.79	21.31	21.83	22.34	22.86	23.38
1.634	18.75	19.27	19.79	20.31	20.83	21.35	21.87	22.39	22.91	23.42
1.654	18.98	19.50	20.03	20.56	21.08	21.61	22.13	22.66	23.19	23.71
2.308	26.48	27.22	27.95	28.68	29.42	30.15	30.88	31.62	32.35	33.09
2.609	29.94	30.76	31.59	32.42	33.25	34.08	34.91	35.74	36.57	37.40
2.636	30.25	31.08	31.92	32.76	33.60	34.44	35.27	36.11	36.95	37.79
3.000	34.42	35.38	36.33	37.28	38.24	39.19	40.14	41.10	42.05	43.01
3.075	35.28	36.26	37.24	38.22	39.19	40.17	41.15	42.13	43.10	44.08
3.170	36.37	37.38	38.39	39.40	40.40	41.41	42.42	43.43	44.43	45.44
3.675	42.17	43.33	44.50	45.67	46.84	48.01	49.18	50.35	51.51	52.68
3.690	42.34	43.51	44.68	45.86	47.03	48.20	49.38	50.55	51.73	52.90
4.000	45.90	47.17	48.44	49.71	50.98	52.25	53.53	54.80	56.07	57.34
4.040	46.35	47.64	48.92	50.21	51.49	52.78	54.06	55.35	56.63	57.92
4.063	46.62	47.91	49.20	50.49	51.79	53.08	54.37	55.66	56.95	58.25
4.083	46.85	48.15	49.44	50.74	52.04	53.34	54.64	55.94	57.23	58.53
4.090	46.93	48.23	49.53	50.83	52.13	53.43	54.73	56.03	57.33	58.63
4.610	52.90	54.36	55.83	57.29	58.76	60.22	61.69	63.16	64.62	66.09
4.760	54.62	56.13	57.64	59.16	60.67	62.18	63.70	65.21	66.72	68.24
5.000	57.37	58.96	60.55	62.14	63.73	65.32	66.91	68.50	70.09	71.68
5.188	59.53	61.18	62.82	64.47	66.12	67.77	69.42	71.07	72.72	74.37
6.000	68.84	70.75	72.66	74.57	76.47	78.38	80.29	82.20	84.11	86.01
6.050	69.42	71.34	73.26	75.19	77.11	79.03	80.96	82.88	84.81	86.73
6.125	70.28	72.22	74.17	76.12	78.07	80.01	81.96	83.91	85.86	87.81
7.000	80.32	82.54	84.77	86.99	89.22	91.44	93.67	95.80	98.12	100.35
7.240	83.07	85.37	87.67	89.98	92.28	94.58	96.88	99.18	101.49	103.79
8.000	91.79	94.33	96.88	99.42	101.96	104.51	107.05	109.60	112.14	114.69
9.000	103.26	106.13	108.99	111.85	114.71	117.57	120.43	123.30	126.16	129.02
12.000	137.69	141.50	145.32	149.13	152.95	156.76	160.58	164.39	168.21	172.03
14.000	160.63	165.08	169.53	173.99	178.44	182.89	187.34	191.79	196.25	200.70
18.000	206.53	212.25	217.97	223.70	229.42	235.14	240.87	246.59	252.32	258.04
24.000	275.37	283.00	290.63	298.26	305.89	313.52	321.16	328.79	336.42	344.05

SPROCKET PITCH DIAMETER FORMULA

$$PD = P \times M$$

PD = pitch diameter (in.)

P = chain pitch (in.)

M = sprocket factor from Table 2, where

N = number of teeth.

TRACTION WHEEL PITCH DIAMETER FORMULA

$$PD = OD + B$$

OD = outside diameter of traction wheel (in.)

B = barrel or roller diameter of the chain (in.)

TABLE 2 - SPROCKET FACTORS

N	M	N	M	N	M	N	M
6	2.00	14	4.494	22	7.027	30	9.567
7	2.305	15	4.810	23	7.344	31	9.884
8	2.613	16	5.126	24	7.661	32	10.202
9	2.924	17	5.442	25	7.979	33	10.520
10	3.236	18	5.759	26	8.296	34	10.838
11	3.550	19	6.076	27	8.614	35	11.156
12	3.864	20	6.392	28	8.931	36	11.474
13	4.179	21	6.710	29	9.249	—	—



BORE

Sprockets and traction wheels are usually furnished with specific bores to meet customer requirements. The exact diameter of the shaft should be specified. Standard tolerances are shown in Table 3. Closer tolerances must be specified if desired.

TABLE 3 - STANDARD BORE TOLERANCES

Hub Bore Inches	Standard Fit Bore Diameter Tolerance in Inches		Loose Fit Bore Diameter Tolerance in Inches	
	Minimum	Maximum	Minimum	Maximum
Up to 2.000"	0.000"	+0.002	+0.002	+0.004
2.001" – 4.000"	0.000"	+0.003	+0.003	+0.006
4.000" – 6.000"	0.000"	+0.004	+0.004	+0.008
Over 6.000"	0.000"	+0.005	+0.005	+0.010

HUB STYLE

TYPE A



TYPE B



TYPE C



TYPE C OFFSET



HUB SIZE

Unless otherwise specified, solid sprockets and traction wheels will be furnished with hub dimensions as shown in Table 4. These sizes are based on the recommended maximum working load of the chain. The largest allowable keyseated bore for these hubs is also shown in these Tables. If a bore larger than listed is required, or if a more economical selection is desired for lower working loads, follow the instructions for hub selection below. Nonkeyed hubs are finished on both sides. Hubs are symmetrical about the centerline of the sprocket or traction wheel, unless otherwise noted. For offset hubs, specific details must be supplied. Flame cut, flame hardened will be furnished with the largest hub listed in Table 4 for a specific bore size unless otherwise specified. To determine a specific hub selection, follow the instructions below. For segmental sprocket hub and body selection, see Page 15. Split hubs or keyless bushed style hubs for flame cut, flame hardened sprockets and traction wheels, bronze bushed hubs and shear pin hubs are available on a special order basis.

The required hub size for a sprocket or traction wheel is based on the amount of torque the wheel is to transmit and the bore size. Torque determines the hub class (A, B, C or C offset).

TORQUE FORMULA

$T = W \times R$

W = working load of chain (lbs.)

R = pitch radius (in.) where $R = \frac{1}{2} PD$ (in.)

If the horsepower transmitted is known then the torque can be found by:

$T = HP \times 63,000 / rpm \text{ of wheel}$



SPROCKET SELECTION PROCEDURE

TABLE 4 - SOLID HUB INFORMATION BY BORE SIZE

Bore	Size, Square Key	Size, Setscrew	Allowable Torque in Inch-Pounds																					
			500	1,000	2,000	3,500	5,600	8,500	12,500	17,000	23,000	30,000	38,000	47,000	60,000	70,000	100,000	140,000	190,000	245,000	325,000	400,000	500,000	600,000
			Hub O.D.																					
1 ⁵ / ₁₆	1/4	5/16	1 3/4	1 3/4																				
1 3/16	1/4	3/8	2	2	2																			
1 7/16	3/8	3/8	2 1/4	2 1/4	2 1/2	2 3/4																		
1 11/16	3/8	3/8	2 3/4	2 3/4	2 3/4	3	3																	
1 15/16	1/2	1/2	3	3	3	3 1/4	3 1/4	3 1/4																
2 3/16	1/2	1/2	3 1/4	3 1/4	3 1/4	3 1/2	3 1/2	3 1/2	3 3/4															
2 7/16	5/8	1/2	3 3/4	3 3/4	3 3/4	3 3/4	4	4	4 1/4	4 1/4														
2 11/16	5/8	1/2	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/2	4 1/2	4 1/2													
2 15/16	3/4	5/8	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 3/4	4 3/4	4 3/4	5	5												
3 3/16	3/4	5/8	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	5	5	5	5 1/4	5 1/4	5 1/4											
3 7/16	7/8	3/4		5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/2	5 1/2	5 3/4	5 3/4										
3 11/16	7/8	3/4			5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 3/4	5 3/4	6	6	6									
3 15/16	1	3/4				6	6	6	6	6	6 1/4	6 1/4	6 1/2	6 1/2	6 1/2	6 1/2								
4 7/16	1	3/4					6 1/2	6 1/2	6 1/2	6 1/2	6 3/4	6 3/4	7	7	7	7	7							
4 15/16	1 1/4	7/8						7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/2	7 1/2	7 1/2	8	8	8						
5 7/16	1 1/4	7/8							8	8	8	8	8	8	8	8 1/2	8 1/2	8 1/2	8 1/2					
5 15/16	1 1/2	1								9	9	9	9	9	9	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2				
6 1/2	1 1/2	1									9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	10	10	10	10	10	10			
7	1 3/4	1										10	10	10	10	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	11		
7 1/2	2	1											11	11	11	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	12	12	
8	2	1												11 1/2	11 1/2	12	12	12	12	12	12	12 1/2	12 1/2	12 1/2
8 1/2	2	1													12	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	13	13	13
9	2	1														13	13	13	13	13	13	13 1/2	13 1/2	13 1/2
9 1/2	2 1/2	1															13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	14	14	14
10	2 1/2	1																14 1/2	14 1/2	14 1/2	14 1/2	15	15	15
Std. and Min.			→	→	→	→	→																	
Hub Length (LTB)			1 1/4	1 1/2	1 3/4	2	2 1/2	2 3/4	3 1/4	3 1/2	4	4 1/4	4 1/2	5	5 1/4	5 1/2	6	6 1/2	7	7 1/4	8 1/2	9 1/2	10	10 1/2

- Hubs one side only.
■ Flat key standard for this bore size (width shown).

NOTE: For hub diameter of loose or setscrewed wheels use smallest hub size shown for bore desired.

NOTE: Hub length can be furnished longer for an additional charge.

NOTE: Stainless steel sprocket hub sizes available upon request.

NOTE: When the hub size falls in the blank area to the right of the listed hub diameters, it indicates that the shaft is the limiting factor. When an intersection falls into this space, use the largest hub diameter listed for that bore.

NOTE: When the hub size falls in the blank area to the left of the listed hub diameters, it indicates that a relatively small amount of torque is being transmitted by a relatively large shaft. When an intersection falls into this area, the smallest hub diameter listed for that bore should be used.

TABLE 5 - SPLIT HUB SIZES

Bore in Inches	Hub O.D. in Inches	Hub Length in Inches
3/4 - 1 1/8	3 1/8	1
1 7/16 - 2 3/16	4 3/8	1 1/4
2 1/4 - 3 7/8	6	1 3/8
2 15/16 - 4 1/8	7 5/8	1 1/2
4 3/16 - 5 1/8	9 1/4	2
5 3/16 - 5 5/8	10 1/4	2 1/4
5 11/16 - 6	11	2 1/4
6 1/16 - 7	12 1/2	2 1/2
7 1/16 - 8	14 1/2	3

NOTE: Add hub length to plate thickness for length through bore.

NOTE: Hub length can be longer upon request.

NOTE: Compact designs available upon request. Please contact Webster's Engineering department for availability.

SPROCKET SELECTION PROCEDURE



KEYSEATS, KEYWAYS, SETSCREWS AND TAPER KEYS

Websters standard design utilizes a parallel key up to 1½" and a flat or rectangular key over 1½". Other key options are available such as gib, taper or keyless bushing. Metric keyways are available upon request. Keys are not included with sprockets or traction wheels and should be requested at time of order.

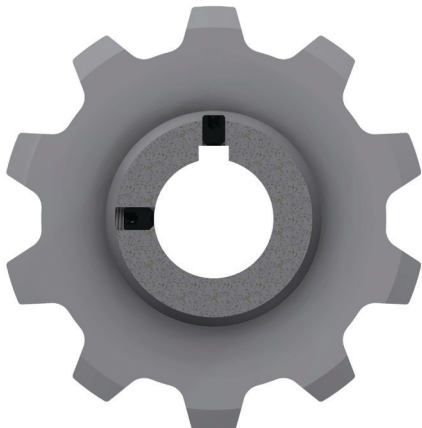
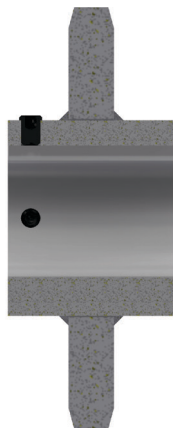
1 STRAIGHT KEYWAY WITH
2 SETSCREWS OVER IT
(1 KW, 2 SS)



1 STRAIGHT KEYWAY WITH
2 SETSCREWS OVER IT AND
2 AT 90 DEGREES OPPOSITE SIDES
(1 KW, 2 SS @ 90)



1 STRAIGHT KEYWAY WITH
1 SETSCREW OVER IT AND
1 AT 90 DEGREES
(1 KW, 1 SS @ 90)





SPROCKET SELECTION PROCEDURE

TAPER KEY

The standard taper of $\frac{1}{8}$ " per foot (a ratio of 1 to 96) is cut in the hubs of sprockets. The depths of keyseats are measured from their edges as shown in Figure 1. When ordering a tapered keyway, the end from which the key is to be driven must be specified.

The size and type of keyseats which are supplied as standard are listed in Table 4. The dimensions in Table 6 cover parallel (straight), plain taper and gib head taper keys. If a special keyseat is required, specific details must be supplied.

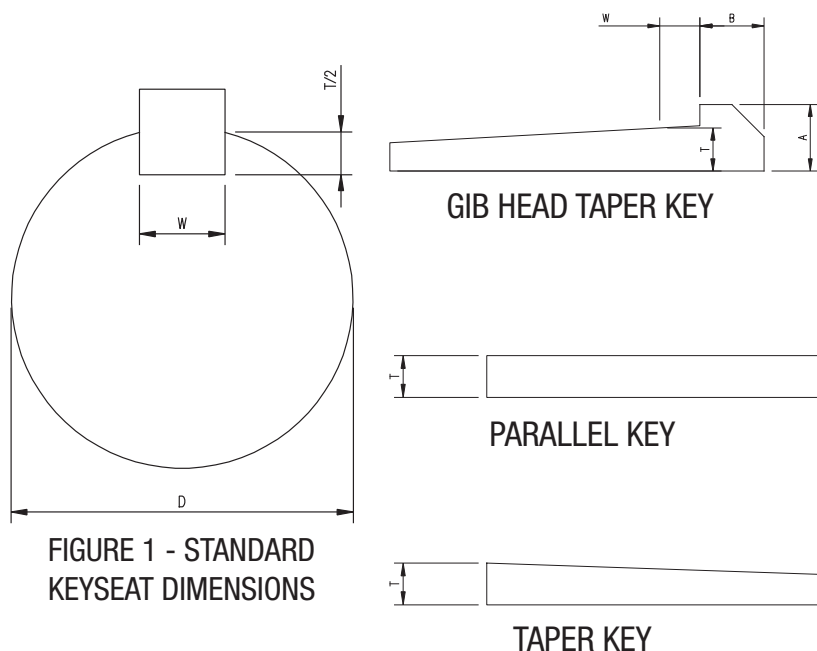


FIGURE 1 - STANDARD KEYSEAT DIMENSIONS

TABLE 6 - STANDARD KEY DIMENSIONS

Dimensions in Inches								
Shaft Dia.	Parallel, Taper and Gib Head				Gib Head			
	Square		Flat		Square		Flat	
D	W	T	W	T	A	B	A	B
$\frac{1}{2}$ - $\frac{9}{16}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{1}{8}$
$\frac{5}{8}$ - $\frac{7}{8}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{3}{16}$
$\frac{5}{16}$ - $1\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{1}{4}$
$1\frac{1}{4}$ - $1\frac{3}{8}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{5}{16}$
$1\frac{7}{16}$ - $1\frac{3}{4}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{3}{8}$
$1\frac{13}{16}$ - $2\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{1}{2}$
$2\frac{5}{16}$ - $2\frac{3}{4}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{7}{16}$	1	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{5}{8}$
$2\frac{7}{8}$ - $3\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	$1\frac{1}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{3}{4}$
$3\frac{3}{8}$ - $3\frac{3}{4}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{5}{8}$	$1\frac{3}{8}$	1	$1\frac{1}{8}$	$\frac{7}{8}$
$3\frac{7}{8}$ - $4\frac{1}{2}$	1	1	1	$\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{1}{8}$	$1\frac{1}{4}$	1
$4\frac{5}{8}$ - $5\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{7}{8}$	2	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{1}{4}$
$5\frac{5}{8}$ - $6\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	1	$2\frac{3}{8}$	$1\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{1}{2}$
$6\frac{5}{8}$ - $7\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{1}{4}$	$2\frac{3}{4}$	2	2	$1\frac{3}{4}$
$7\frac{5}{8}$ - 9	2	2	2	$1\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{1}{2}$	2
$9\frac{1}{4}$ - 11	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{3}{4}$	4	3	3	$2\frac{1}{2}$
$11\frac{1}{4}$ - 13	3	3	3	2	5	$3\frac{1}{2}$	$3\frac{1}{2}$	3
$13\frac{1}{4}$ - 15	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{2}$	6	4	4	$3\frac{1}{2}$

NOTE: Taper on keys shown $\frac{1}{8}$ " in 12".

NOTE: Use flat key when hub diameter does not permit use of square key.

NOTE: Preferred sizes: square keys through $1\frac{1}{2}$ ", flat keys above $1\frac{1}{2}$ ".

NOTE: Taper key has same dimension at large end as for parallel key, with keyseat parallel in shaft.

BODY & HUB SELECTION FOR SEGMENTAL RIMS & TRACTION WHEELS

In selecting bodies and hubs for segmental sprockets and traction wheels the following procedure is recommended:

MATERIAL

Hubs, bodies and rims for segmental sprockets and traction wheels are furnished in flame cut, flame hardened steel.

BODY SIZE

The largest body which can be used should be selected. The limiting factor for body size is the chain clearance diameter, which must be greater than the outside diameter of the body. Segmental sprockets and traction wheels for other chains and numbers of teeth can be furnished. Contact Webster's Inside Sales department for the appropriate body size.

HUB SELECTION

The following procedure should be followed for hub selection for segmental sprockets and traction wheels:

1. The maximum allowable hub diameter must be determined. This is shown for various body sizes in Table 7.
2. For solid steel hubs, follow the selection procedure outlined on Page 12. Be sure that the hub diameter is not greater than the maximum listed in Table 7.

TABLE 7 - STANDARD BOLT CIRCLE

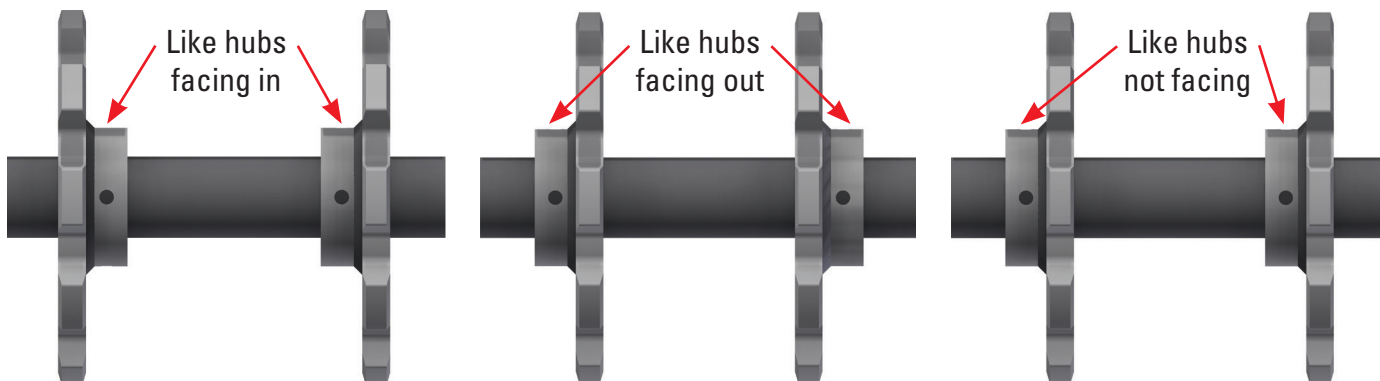
Bolt Circle	Maximum Hub Diameter
10	7
12	9
14	11
16	13
18	15
20	17
22	19

NOTE: Bolt circle is the diameter of the circle that goes through the center of all of the bolts on your chain ring.

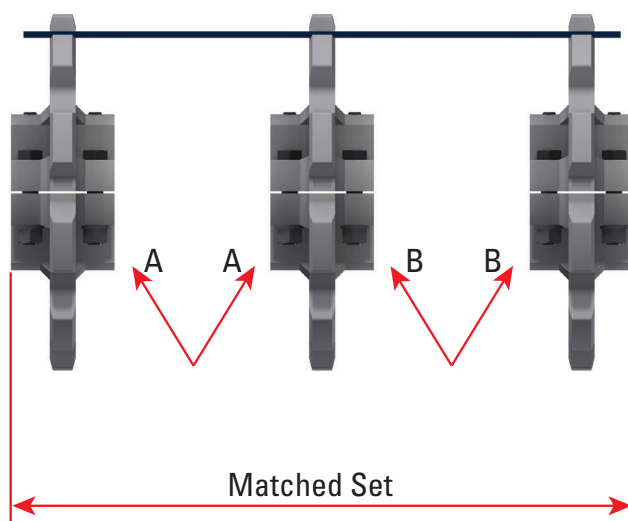
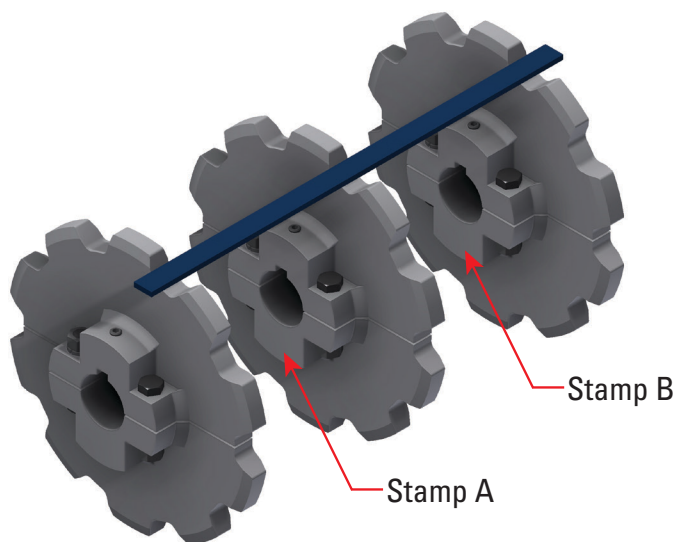


SPROCKET MATCHING & SHAFT ASSEMBLY

MATCHED PAIRS

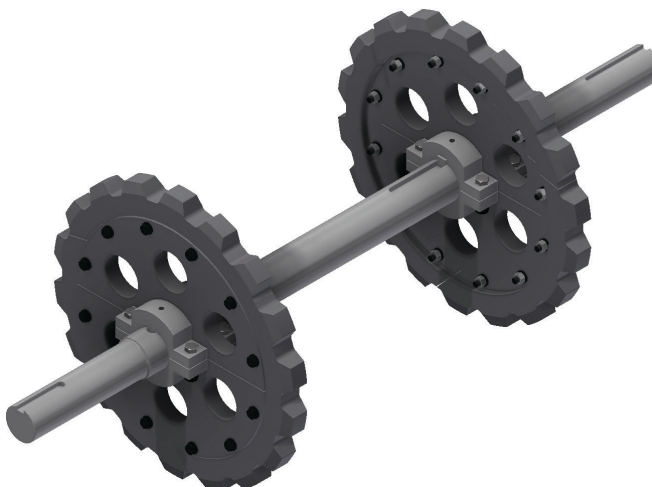


MATCHED SET



FULL SHAFT ASSEMBLY PROGRAM

Customers that want to save time and money utilize Webster Industries full shaft assembly program. This allows the customer to reduce installation cost and takes the guess work out of the shaft and components needed for their specific application. Additionally, it reduces the need for field modifications and extra assembly work. This program ensures reliability and integrity of all critical shaft and sprocket alignment.





STANDARD PLATE THICKNESS

CAST CHAINS

Chain No.	Pitch	Thickness
442	1.375	½
452	1.506	½
445	1.630	½
455	1.630	½
C55	1.631	½
462	1.634	¾
H62	1.654	¾
477	2.308	½
H60	2.308	⅝
488	2.609	¾
H74	2.609	¾
H78	2.609	⅞
H78B	2.609	⅞
4103	3.075	⅞
H82	3.075	1
907-E51	3.170	⅞
907-R51	3.170	⅞
130	4.000	¾
138	4.000	¾
H124	4.000	1¼
H85	4.000	1½
4124	4.063	1
H102	5.000	5½
720	6.000	⅞
730	6.000	⅞
720NCS	6.000	1
720S	6.000	1
730NCS	6.000	1
730S	6.000	1
SMGL618NA	6.000	1½
H104P	6.000	3½
H104W	6.000	3½
H110	6.000	8
H113	6.000	8
H120	6.000	8
H112	8.000	8
H480	8.000	10
H116	8.000	12
SM621L1	9.000	1⅜

COMBINATION CHAINS

Chain No.	Pitch	Thickness
C55D	1.631	½
DF3498	1.750	⅝
	2.500	
N77	2.308	½
C188	2.609	¾

C188WS	2.609	¾
CR188	2.609	¾
DF3500	2.500	⅝
	3.000	
CRN131	3.075	⅞
N131	3.075	⅞
N131WS	3.075	⅞
N102B	4.000	1¾
N102.5	4.040	1¾
CRN111	4.760	2
DW111	4.760	2
N111	4.760	2
CRN110	6.000	1½
N110	6.000	1½
N111SPC	4.760	2
	7.240	
6104	6.000	3
6110	6.000	8
CRN132	6.050	2¾
DW132	6.050	2¾
N132	6.050	2¾
N132WS	6.050	2¾
8480	8.000	9½
8116	8.000	12

HSB CHAINS

Chain No.	Pitch	Thickness
HSB111SPC	4.760	2¼
	7.240	
HSB188	2.609	⅞
HSB131	3.075	1
HSB102B	4.000	1¾
HSB825	4.000	1¾
HSB102.5	4.040	1¾
HSB111	4.760	2¼
HSB830	6.000	1¼
HSB110	6.000	1¾
HSB5002	6.000	1¾
HSB860B	6.000	1¾
HSB826	6.000	2
HSB844	6.000	2
HSB833	6.000	2¼
HSB856B	6.000	2¾
HSB857A	6.000	2¾
HSB956	6.000	2¾
SJ856	6.000	2¾
SJ857	6.000	2¾
SJ956	6.000	2¾
SJ958	6.000	2¾

Chain No.	Pitch	Thickness
TS856	6.000	2¾
TS857	6.000	2¾
TS956	6.000	2¾
TS958	6.000	2¾
TS979	6.000	2¾
HSB859B	6.000	3¼
SJ859	6.000	3¼
TS859	6.000	3¼
HSB650	6.050	1½
HSB150+	6.050	2¾
HSB886	7.000	2¼
HSB864B	7.000	3¼
SJ864	7.000	3¼
SJ984	7.000	3¼
TS864	7.000	3¼
TS984	7.000	3¼
TS1084	7.000	3¾
HSB6102.5	12.000	1¾

SBR CHAINS

Chain No.	Pitch	Thickness
S1500	1.500	⅞
81X	2.609	⅞
81XH	2.609	⅞
81XHH	2.609	⅞
81XHHSS	2.609	⅞
81XHKD	2.609	⅞
81XHSS	2.609	⅞
81XKD	2.609	⅞
81XSS	2.609	⅞
S1578	2.609	⅞
S588+	2.609	⅞
S881	2.609	⅞
SS788+	2.609	⅞
SS881	2.609	⅞
SS881+	2.609	⅞
S3007	3.000	⅝
S1183	3.000	¾
S1184	3.000	⅞
S4001	3.000	⅞
SR131	3.075	1
SR4103	3.075	1
S4539	3.075	1¼
S554	3.075	1¼
S554+	3.075	1¼
SS554	3.075	1¼
SS554+	3.075	1¼
S1112	3.690	1

S4019	4.000	⅝
S4019HD	4.000	⅝
S1120	4.000	¾
S1121	4.000	⅞
S1122	4.000	⅞
S1195	4.000	⅞
S1478	4.000	⅞
S4002	4.000	⅞
S1119	4.000	1
S1140	4.000	1
S2188	4.000	1
S2400+	4.000	1
S2436+	4.000	1
S531	4.000	1
SS2436+	4.000	1
ER124	4.000	1¼
S2450+	4.000	1¼
SS2450+	4.000	1¼
SS555	4.000	1¼
S2249	4.000	1¾
S2403	4.000	1¾
S3433	4.000	1¾
S3945	4.000	1¾
S3952	4.000	1¾
S4830	4.000	1¾
S1113	4.040	1
S1113D	4.040	1
S2268	4.083	1¾
S2268HD	4.083	1¾
S2268SPL	4.083	1¾
S3945SPL	4.090	1¾
S3952SPL	4.116	1¾
S4525HDSPL	4.531	2¼
S3945HD	4.600	1¾
S3968	4.610	1¾
S9111A	4.760	2¼
S2035	5.188	1¾
S1196	6.000	¾
S1198	6.000	¾
624F	6.000	⅞
625F	6.000	⅞
RS611F	6.000	⅞
S1604	6.000	⅞
614P	6.000	1
RS611P	6.000	1
RS658F	6.000	1
S1114	6.000	1
S1116	6.000	1
S1670D	6.000	1

STANDARD PLATE THICKNESS



SBR CHAINS

Chain No.	Pitch	Thickness
S2180	6.000	1
S2190	6.000	1
S951	6.000	1
SS556F	6.000	1
SS700CS	6.000	1
ZA2184+	6.000	1
G34F	6.000	1½
G35F	6.000	1½
CC5	6.000	1½
RS622F	6.000	1½
S1141	6.000	1½
SS6	6.000	1½
SS96	6.000	1½
SS996	6.000	1½
ZA2178A	6.000	1½
ER106	6.000	1¼
RS633F	6.000	1¼
RS658P	6.000	1¼
S1036	6.000	1¼
S1131	6.000	1¼
S1186	6.000	1¼
S2130	6.000	1¼
S9063	6.000	1¼
S9065	6.000	1¼
SJ9957	6.000	1¼
SS556	6.000	1¼
SS944+	6.000	1¼
ZA2198	6.000	1¼
ZA9184	6.000	1¼
ZA9185	6.000	1¼
RS622P	6.000	1½
ER132	6.000	1¾
RS633P	6.000	1¾
S2847	6.000	1¾
S3600+	6.000	1¾
S3940	6.000	1¾
S6910	6.000	1¾
S2035HD	6.000	2
RS2600	6.000	2¼
S645	6.000	2¼
S9833A	6.000	2¼
S9856B	6.000	2¾
3939	8.000	¾
ZA2800	8.000	1¼
SS326	8.000	1½
S2804	8.000	3
S2358	8.125	¾

924F	9.000	¾
925F	9.000	¾
RS911F	9.000	¾
914P	9.000	1
RS911P	9.000	1
RS958F	9.000	1
S1117	9.000	1
934F	9.000	1½
935F	9.000	1½
RS922F	9.000	1½
RS932F	9.000	1½
RS958P	9.000	1¼
RS933F	9.000	1¾
RS944F	9.000	1½
S9112	9.000	1½
RS922P	9.000	1¾
RS928	9.000	1¾
RS932P	9.000	1¾
RS933.5P	9.000	1¾
RS933P	9.000	1¾
RS938	9.000	1¾
S2342	9.000	1¾
S4009	9.000	1¾
RS944.5P	9.000	2¼
RS944P	9.000	2¼
RS946	9.000	2 ¼
S4004	9.000	2¼
S4065A	9.000	2½
S4037	9.000	2¾
S1209A	9.000	3
S2394	10.125	¾
RS1211F	12.000	¾
RS1211P	12.000	1
RS1222F	12.000	1½
RS1232F	12.000	1½
RS1221.5P	12.000	1¼
RS1221P	12.000	1¼
RS1233F	12.000	1¼
RS1246	12.000	1¼
RS1244F	12.000	1½
S4251	12.000	1½
RS1222P	12.000	1¾
RS1228	12.000	1¾
RS1232P	12.000	1¾
RS1233.5P	12.000	1¾
RS1233P	12.000	1¾
RS1244.5P	12.000	1¾
RS1244P	12.000	1¾
RS1238	12.000	2

Chain No.	Pitch	Thickness
RS1255.5P	12.000	2
S1227	12.000	2¼
S1245	12.000	2¼
S1251	12.000	2¼
S2614	12.000	2¼
1706	12.000	2¾
S4010	12.000	2¾
S2650	12.000	3
S12350	12.000	3¼
S1223	12.000	3½
S2648	12.000	3½
RS1822F	18.000	1½
RS1832F	18.000	1½
RS1855F	18.000	1¼
RS1822P	18.000	1¾
RS1832P	18.000	1¾

MILL CHAINS

Chain No.	Pitch	Thickness
WH78	2.609	¾
WHX78	2.609	¾
WR78	2.609	¾
WS78	2.609	¾
WH78HD	2.636	¾
WHX78HD	2.636	¾
WR78HD	2.636	¾
WR80	3.075	¾
WH82HD	3.075	1
WH82XHD	3.075	1
WHX82HD	3.075	1
WHX82XHD	3.075	1
WR82HD	3.075	1
WR82XHD	3.075	1
WH82	3.075	1½
WHX82	3.075	1½
WR82	3.075	1½
WS82	3.075	1½
WH78-4	4.000	¾
WR78-4	4.000	¾
WH124	4.000	1¼
WH144	4.000	1¼
WHX124	4.000	1¼
WHX124 OSB	4.000	1¼
WR124	4.000	1¼
WS124	4.000	1¼
WH40	4.000	2
WH125	4.063	1¼
WHX125	4.063	1¼

WH124HDSPC	4.063	1½
WH124XHD	4.063	1½
WHX124HDSPC	4.063	1½
WHX124XHD	4.063	1½
WR124HDSPC	4.063	1½
WR124XHD	4.063	1½
WS124HDSPC	4.063	1½
WS124XHD	4.063	1½
WH EP78	4.125	¾
WH111+	4.760	2
WHX111+	4.760	2
WR111+	4.760	2
WH720	6.000	1
WH720S	6.000	1
WH730	6.000	1
WH730HD	6.000	1
WS720S	6.000	1
WH166	6.000	1¼
WHX166	6.000	1¼
WS106	6.000	1¼
WH106	6.000	1½
WH106HD	6.000	1½
WH110	6.000	1½
WHX106	6.000	1½
WHX106HD	6.000	1½
WHX110	6.000	1½
WR106	6.000	1½
WR106HD	6.000	1½
WR110	6.000	1½
WH106XHD	6.050	1½
WHX106XHD	6.050	1½
WR106XHD	6.050	1½
WS132	6.050	2½
WS155	6.050	2½
WS157	6.050	2½
WS157XHD	6.050	2½
WH132	6.050	2¾
WH132HD	6.050	2¾
WH132XHD	6.050	2¾
WH150	6.050	2¾
WH150HD	6.050	2¾
WH155	6.050	2¾
WH157	6.050	2¾
WH157XHD	6.050	2¾
WH200	6.050	2¾
WHX132	6.050	2¾
WHX132HD	6.050	2¾
WHX132XHD	6.050	2¾
WHX150	6.050	2¾



STANDARD PLATE THICKNESS

MILL CHAINS

Chain No.	Pitch	Thickness
WHX150HD	6.050	2¾
WHX155	6.050	2¾
WHX157	6.050	2¾
WHX157XHD	6.050	2¾
WHX200	6.050	2¾
WHX5157	6.050	2¾
WHX5157HF	6.050	2¾
WR132	6.050	2¾
WR132HD	6.050	2¾
WR132XHD	6.050	2¾
WR150	6.050	2¾
WR150HD	6.050	2¾
WRC132	6.050	2¾
WS159	6.125	2½

Chain No.	Pitch	Thickness
WHX159	6.125	2¾
WH138	8.000	2¾
WHX5121HF	9.000	3¼
WHX6067	9.000	3¼
WHX6067HF	9.000	3¼
WHX6121	9.000	3¼
WHX6121HF	9.000	3¼
WHX6121HFHD	9.000	3¼
WH2012A	12.000	2¾
WHX2012A	12.000	2¾
WHX3012	12.000	2¾

DRAG CHAINS

Chain No.	Pitch	Tooth Width
WD102	5.000	6

Chain No.	Pitch	Tooth Width
WDH102	5.000	6
WD104	6.000	3½
WDH104	6.000	3½
WD110	6.000	8½
WD113	6.000	8½
WD120	6.000	8½
WDH110	6.000	8½
WDH110HD	6.000	8½
WDH113	6.000	8½
WDH120	6.000	8½
WDH120HD	6.000	8½
WDH120RB	6.000	8½
WDH520	6.000	8½
WD112	8.000	8½
WD122	8.000	8½

Chain No.	Pitch	Tooth Width
WDH112	8.000	8½
WDH122	8.000	8½
WDH122HD	8.000	8½
WDH522	8.000	8½
WD480	8.000	10½
WDH480	8.000	10½
WDH480HD	8.000	10½
WDH580	8.000	10½
WDH680	8.000	10½
WD116	8.000	12½
WD118	8.000	12½
WDH116	8.000	12½
WDH118	8.000	12½
WDH118HD	8.000	12½

Chains in red come standard with Webster's ArmorMAX (see Page 5).



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