



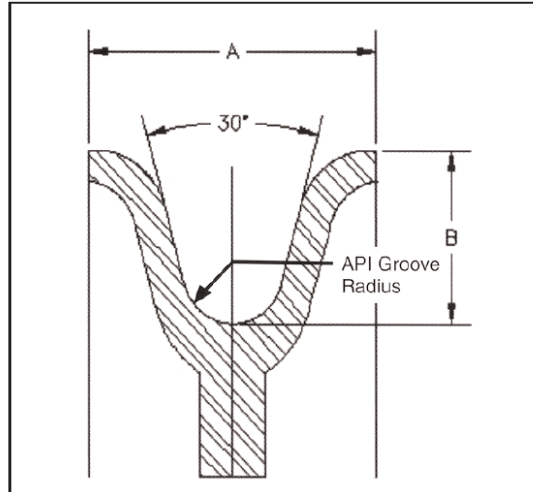
## McKissick<sup>®</sup> Roll Forged<sup>™</sup> Sheaves

### Selecting your Sheave O.D. / Wire Line Size Combinations

To ease the effort in choosing the proper standard McKissick<sup>®</sup> Roll Forged<sup>™</sup> sheave required for your application, we have simplified our product offering. The table below indicates the standard "Sheave O.D. / Wire Line Size" combinations that are available.

#### How to Read the Table

- The Wire Line No. corresponds to 1/16 of an inch (i.e. Wire Line No. 8 is 8/16, and represents a 1/2" wire line size).
- Cells outlined in **RED** represent the standard O.D. / Wire Line combinations available with the Sheave Configurator program.
- The Wire Line No. and Sheave O.D. information is color coded to correspond to the Sheave Configurator example found on Page 244.



### SHEAVE O.D. / WIRE LINE INFORMATION

Wire Line No.	Wire Line Size (in.)	Nominal Dimensions (in.)		API Groove Radius (in.)		SHEAVE O.D. (in.)																						
		A	B	MIN	MAX	14	15	16	17	18	20	22	24	26	27	28	30	32	33	34	36	40	42	48	50	52	55	60
08	1/2	1.25	0.75	0.265	0.275																							
09	9/16	1.41	0.84	0.298	0.309																							
10	5/8	1.56	0.94	0.331	0.344																							
12	3/4	1.75	1.13	0.398	0.413																							
14	7/8	2.00	1.31	0.484	0.481																							
16	1	2.25	1.50	0.530	0.550																							
18	1-1/8	2.50	1.69	0.596	0.619																							
20	1-1/4	3.00	1.88	0.683	0.688																							
22	1-3/8	3.25	2.06	0.729	0.756																							
24	1-1/2	3.50	2.25	0.795	0.825																							
26	1-5/8	3.50	2.44	0.861	0.894																							
28	1-3/4	3.75	2.63	0.928	0.963																							
30	1-7/8	3.75	2.81	0.994	1.031																							
32	2	4.25	3.00	1.060	1.100																							

For any other combinations, please contact our Special Engineered Products Dept at 800/777-1555





# SELBY ENGINEERING & LIFTING SAFETY LTD.

Lifting Equipment and Height Safety Specialists  
 www.liftingsafety.co.uk Email: sales@liftingsafety.co.uk  
 Tel: (01977) 684600 Fax: (01977) 685300

## McKissick<sup>®</sup> Roll Forged<sup>™</sup> Sheaves

### Bearing Selection

Selecting the proper bearing is critical to the performance of any application using McKissick<sup>®</sup> Roll Forged<sup>™</sup> sheaves. Sheave load, line speed, frequency of use and the operating environment are important considerations when making bearing selection.

For detail information, refer to the **Sheave Bearing Application Information** section of the *Tackle Block Warning, Use and Maintenance Information* in the latest Crosby General Catalog.

The table below gives general bearing selection criteria and maintenance information.

### BEARING APPLICATION/ MAINTENANCE SUMMARY

Bearing Type	Speed	Use	Load	Lubrication Schedule	
				Type of Operation	
				Continuous	Intermittent
<b>Anti-Friction</b>					
• Roller Bearing	Fast	Frequent	High	Every 24 Hours	Every 14 Days
• Tapered Roller Bearing	Fast	Frequent	High	Every 40 Hours	Every 30 Days
<b>Bronze Bushed</b>	Slow	Moderate	Moderate	Every 8 Hours	Every 14 Days

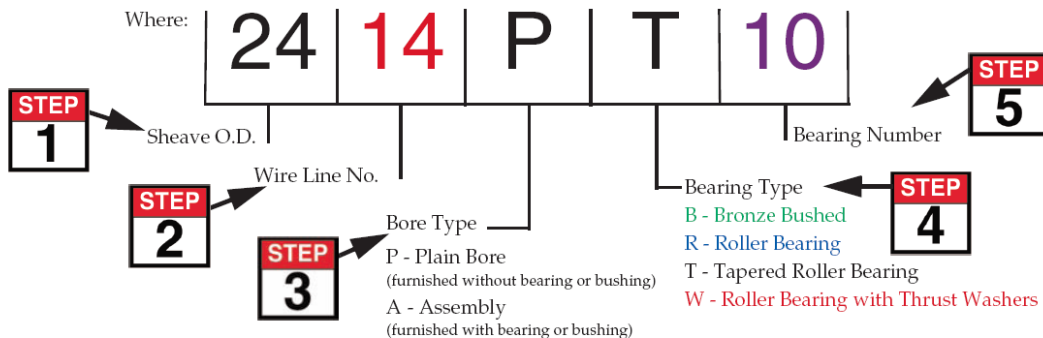
In addition, if you have further technical questions concerning bearing applications or selection, please contact us in Tulsa, Ok. at (918) 834-4611.

### Configurator Example

To order a sheave that has the following requirements:

- O.D.** — 24"
- Wire Line Size** — 7/8"
- Bearing** — 6.500"  
Tapered Roller Bearing to be furnished by customer

The Configurator Code would be: 2414PT10



### (B) BRONZE BUSHING (SAE 660 Bronze with Figure 8 Oil Groove)

Bronze Bushing No.	Stock No.	Dimensions			Minimum Sheave O.D. (in.)
		A	B	C	
01	5201	1.500	1.88	1.50	10
02	17243	1.500	1.88	1.75	10
03	8001002	1.750	1.88	1.50	10
04	32976	1.750	2.25	2.50	10
05	33626	2.000	2.50	1.50	10
06	17289	2.000	2.50	1.75	10
07	21229	2.000	2.50	1.97	10
08	50526	2.000	2.50	2.00	10
09	17298	2.000	2.50	2.31	10
10	33323	2.000	2.50	2.50	10
11	36231	2.250	2.75	2.31	10
12	17332	2.250	2.75	2.50	10
13	7959	2.500	3.00	1.75	10
14	17369	2.500	3.00	2.31	10
15	2004881	2.500	3.25	2.00	10
16	17387	2.756	3.25	2.31	10
17	17412	3.000	3.50	2.31	10
18	6184	3.000	3.50	3.00	10
19	2009578	3.000	3.75	2.50	12
20	1423329	3.250	4.00	2.50	12
21	17430	3.500	4.00	2.81	12
22	10446	3.500	4.00	3.00	12
23	23897	3.500	4.25	2.75	12
24	18395	3.750	4.25	2.50	12
25	23959	3.750	4.25	2.75	12
26	45604	3.940	4.50	3.00	12
27	17467	4.000	4.50	3.00	12
28	17476	4.000	4.50	3.50	12
29	8010186	4.250	4.75	2.00	12
30	138666	4.500	5.00	2.75	14
31	26714	4.500	5.00	3.50	14
32	31986	5.000	5.50	2.75	16
33	10776	5.000	5.50	3.50	16
34	1410681	5.750	6.50	3.38	16
35	1419940	6.000	7.00	4.12	18
36	2009999	7.000	8.00	5.00	20
37	2004306	8.000	9.00	2.75	22





# SELBY ENGINEERING & LIFTING SAFETY LTD.

Lifting Equipment and Height Safety Specialists  
 www.liftingsafety.co.uk Email: sales@liftingsafety.co.uk  
 Tel: (01977) 684600 Fax: (01977) 685300

## McKissick<sup>®</sup> Roll Forged<sup>™</sup> Sheaves

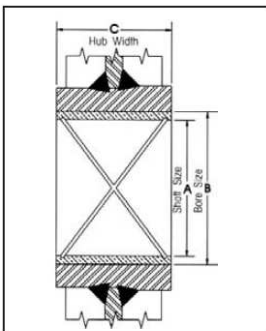
The McKissick<sup>®</sup> Roll Forged<sup>™</sup> Sheave Configurator makes it easy to select the proper bearing needed for your job requirement. Simply determine the style of bearing that best suits the type of operation the sheave will see (refer to Bearings Application/Maintenance Summary Table, previous page), then select the Bearing No. from the respective table below.

(R) Roller Bearing						
Roller Bearing No.	Stock No.	Dimensions			Description	Minimum Sheave O.D. (in.)
		A	B	C		
01	2003084	1.500	2.06	1.25	MR-24-SS	10
02	220834	1.750	2.31	1.25	HJ-283720	10
03	17935	2.000	2.56	1.25	MR-32-SRS	10
04	17948	2.250	3.00	1.25	HJ-364820	10
05	59368	2.250	3.00	1.50	HJ-364824	10
06	122165	2.250	1.75	1.75	MR-36	10
07	30086	2.500	3.25	1.75	MR-40-RSS	10
08	49496	2.500	3.25	1.75	HJ-405228	10
09	2002423	2.756	3.50	1.75	HJ-445628	10
10	220745	3.000	3.75	1.50	HJ-486024	12
11	137694	3.000	3.75	1.75	HJ-486028	12
12	2003198	3.000	3.75	1.75	MR-48-RSS	12
13	241485	3.250	4.25	1.75	HJ-526828	12
14	18080	3.250	4.25	2.00	HJ-526832	12
15	147647	3.500	4.50	2.00	HJ-567232	12
16	243347	4.750	4.75	2.00	HJ-607632	12
17	146327	4.000	5.00	2.00	HJ-648032	14
18	22020	4.250	5.25	2.00	HJ-688432	14
19	2003312	4.500	6.00	2.25	MR-72	16
20	17993	4.500	6.00	2.50	HJ-729640	16
21	2003825	5.000	6.50	2.25	HJ-8010436	16
22	2007615	5.000	6.50	2.50	HJ-8010440	16
23	235962	5.500	7.00	3.00	HJ-8811248	18
24	2007594	6.000	7.50	2.50	HJ-961240	18

(T) Tapered Roller Bearing (with Seals)							
Tapered Roller Bearing No.	Stock No.	A	B	C	D	Description	Minimum Sheave O.D. (in.)
02	2018294	1.750	3.27	3.00	3.00	25580-25520/566CARGO	10
03	2018295	1.750	3.27	4.50	4.00	25580-25520	10
04	2017495	2.000	4.25	2.94	2.75	NA-456-SW/452-D	12
05	2017498	2.756	4.33	2.34	2.19	JLM-813049-813010	12
06	2017499	2.756	4.72	2.94	2.75	NA-483-SW-472-D	12
07	2017500	3.940	6.10	3.03	2.88	JM720249N/720210N	16
08	2017501	4.250	6.50	3.50	3.38	NA56425-SW-56650D	16
09	2017502	5.625	7.88	3.69	3.50	NA48685-SW/48620	20
10	2017503	6.500	8.88	3.75	3.50	NA46790-SW-46720	22
11	2017504	8.000	10.88	3.75	3.62	LM241149NW/241110-D	24
12	2017506	10.500	13.88	4.25	4.12	LM251649NW/251610-D	26
Additional (T) Tapered Roller Bearing (With Seals) (not necessarily stocked)							
13	2023503	4.998	7.19	3.688	3.500	NA48290-SW/48220D	18
14	2022881	9.998	13.69	4.000	3.875	LM249747NW/LM249710D	22
15	2022882	11.998	15.500	4.250	4.125	L357049NW/L357010D	30

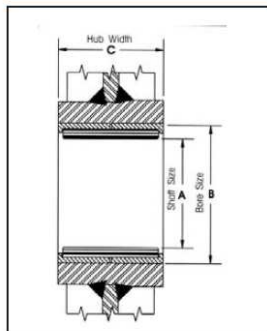
(W) Roller Bearing with Thrust Washer on each side							
Roller Bearing with TW No.	Stock No.	Dimensions				Description	Minimum Sheave O.D. (in.) without Handling Holes
		A	B	C	D		
01	2017933	2.500	3.25	2.00	2.00	HJ-405228	10
02	2017934	3.000	3.75	2.00	2.00	HJ-486028	12
03	2017935	3.000	3.75	2.50	2.50	HJ-486028	12
04	2017936	3.500	4.50	2.00	2.00	HJ-567232	12
05	2017937	3.875	6.00	2.25	2.25	MR-72 / MI-62	16
06	2017938	3.875	6.00	2.25	2.25	MR-72 / MI-62	16
07	2017939	4.500	6.00	2.25	2.25	MR-72	16
08	2017940	5.000	6.50	2.25	2.25	HJ-8010436	16

### (B) Bronze Bushing



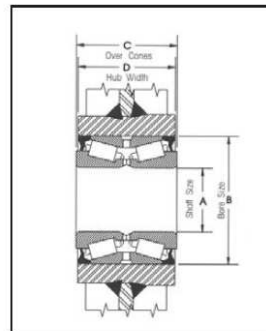
Bronze Bushings are equipped with S.A.E. 660 Bronze Bushings for cold finish shafts with "Figure 8" oil groove.

### (R) Roller Bearings



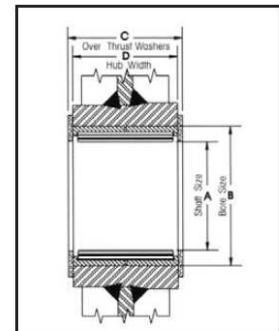
Roller bearings are designed to operate on shafts carburized to 60 Rockwell "C" and groove to +/- .0005 of shaft size.

### (T) Tapered Roller Bearing



Tapered bearings are designed to operate on shafts machined to +/- .005 of the indicated shaft size. Applications should provide for tightening separator plates against bearing cones to adjust and insure proper function of bearings.

### (W) Roller Bearing With Thrust Washers



Roller bearings without inner races are designed to operate on shafts carburized to 60 Rockwell "C" and grooved to +/- .0005 of shaft size.

