COUPLING

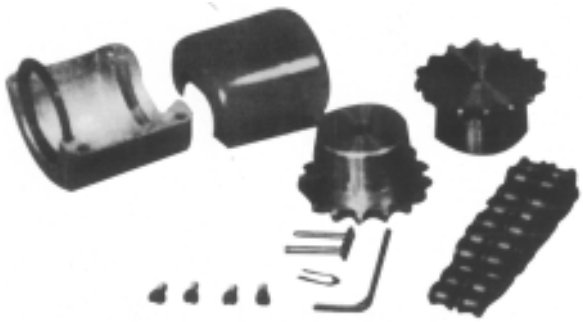
(in stock)

TM

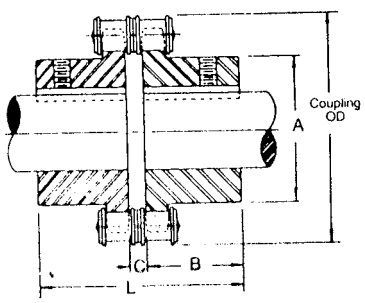
COUPLING

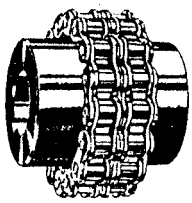
COUPLING

Roller Chain Coupling



Roller chain coupling consists of two simplex sprockets, one length of two-strand roller chain and a pair of housing,it is very simple and flexible with the features of easy installation and safety.





BS Coupling

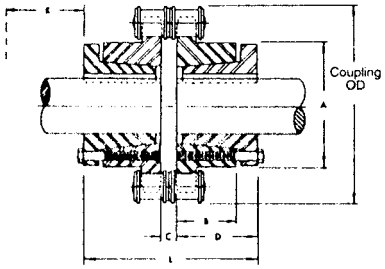
Bored to Size Couplings With Finished Bore, Keyway, and Set Screw

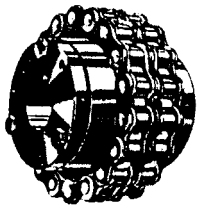
Coupling Number	Stock Finished Bores Include Standard Keyway and Setscrew	A	B	C	L	Coupling Q.D.	Weight Lbs.	UMT PRICE
4012	1/2 , 5/8, 3/4	1 13/32	1 1/8	9/32	2 17/32	2 13/32	0.4	11.75
4016	5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16, 1 1/4	1 31/32	1 1/8	9/32	2 17/32	3 1/32	0.8	14.78
5016	3/4, 7/8, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8	2 1/2	1 7/16	3/8	3 1/4	3 25/32	1.6	19.32
5018	3/4, 7/8, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 7/8, 1 15/16	2 31/32	1 11/16	3/8	3 3/4	4 3/16	2.4	24.02
6018	1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4, 2 3/8, 2 7/16	3 1/2	1 7/8	7/16	4 3/16	5	4.8	37.44
6020	1 1/8, 1 1/4, 1 1/2, 1 3/4, 1 15/16, 2 1/8, 2 3/8, 2 7/16, 2 5/8	3 7/8	2	7/16	4 7/16	5 1/2	5.2	41.14
6022	1 1/8, 1 3/4, 1 7/8, 1 15/16, 2 1/8, 2 3/8, 2 7/16, 2 5/8, 2 3/4, 2 7/8	4 1/2	2 1/8	7/16	4 11/16	5 61/64	7.8	50.10
8018	1 1/8, 1 3/4, 1 15/16, 2, 2 1/8, 2 3/8, 2 7/16, 2 5/8, 2 7/8, 2 15/16	4 9/16	2 3/8	37/64	5 61/64	6 21/32	9.5	61.56
8020	1 1/2, 2 3/16, 2 7/16, 2 11/16, 2 15/16, 3 1/8, 3 3/8, 3 7/16	5 3/8	2 5/8	37/64	5 33/64	7 19/64	13.4	69.48
10018	1 1/2, 2 7/16, 2 7/8, 2 15/16, 3 7/16	5 11/16	2 3/4	23/32	6 7/32	8 21/64	18.2	106.82
10020	2, 3 3/8, 3 7/16, 3 15/16	6 23/32	3 1/8	23/32	6 31/32	9 1/8	25.0	118.80
12018	3 7/16, 3 15/16, 4 7/16	6 3/4	3 1/2	55/64	7 7/8	10	28.0	169.27
12022	4 3/8, 4 7/16, 4 15/16	8 3/4	4	55/64	8 7/8	11 57/64	55.0	206.32

CAUTION: All rotating power transmission products are potentially dangerous and must be properly guarded for the speeds and applications for which they were intended

COUPLING

Roller Chain Coupling





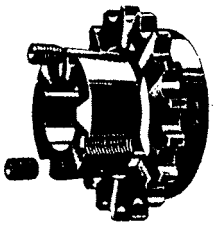
QD Coupling

"QD" Couplings

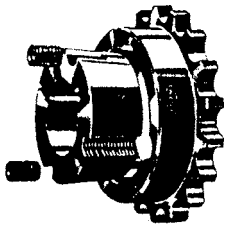
Coupling Number	Bushing Used	Max. Bore ★★	A	B	D	C	L	Coupling Q.D.	K †	Weight Lbs.
4016JA	JA	1	2	7/8	15/16	9/32	229/32	31/32	11/4	0.9
5018SH	SH	13/8	231/32	1	11/2	3/8	33/8	43/16	13/4	1.3
6020SK	SK	21/8	37/8	11/4	17/8	7/16	43/16	51/2	21/4	2.5
8018SF	SF	25/16	49/16	13/4	23/8	37/64	521/64	621/32	21/4	5.3

★★ Maximum bore shown is the maximum bore with standard keyway. It is recommended that this maximum not be exceeded in both halves of a coupling.

† Minimum clearance required to remove the coupling half by using the screws as jack screws.



Type "TBF"



Type "TBH"

Type "TBH" Coupling Number	Type "TBF" Bushing Number	Bushing Data			A	B	C	J*	K †	L	O D	Weight Lbs.
		Bushing Used	Max. Bore	Min. Bore								
4016TBH	4016TBF	1108	11/8	1/2	131/32	7/8	9/32	5/8	3/4	21/32	31/32	0.9
5018TBH	5018TBF	1610	15/8	1/2	231/32	1	3/8	13/16	1 1/16	23/8	43/16	1.1
6020TBH	6020TBF	2012	2	1/2	37/8	11/4	7/16	15/16	13/8	215/16	51/2	2.7
8020TBH	8020TBF	3020	3	15/16	53/8	2	37/64	13/16	21/16	437/64	719/64	6.1
10020TBH	10020TBF	3535	31/2	13/16	623/32	31/2	23/32	2	25/8	723/32	91/8	19.0

* Space needed for (1) tightening bushing with shortened hex key (2) loosening screws for puller to remove hub.

† Minimum clearance required to remove the coupling half by using the screws as jack screws with shortened hex key.

COUPLING

Roller Chain Coupling

Coupling Selection

Roller chain couplings have a torque capacity in excess of the torque normally transmitted by shafting which falls within the coupling bore range. Select the smallest coupling which will accomodate both shafts. For a reversing operation, shock or pulsating loads. or other severe operating conditions, select the next larger coupling size.

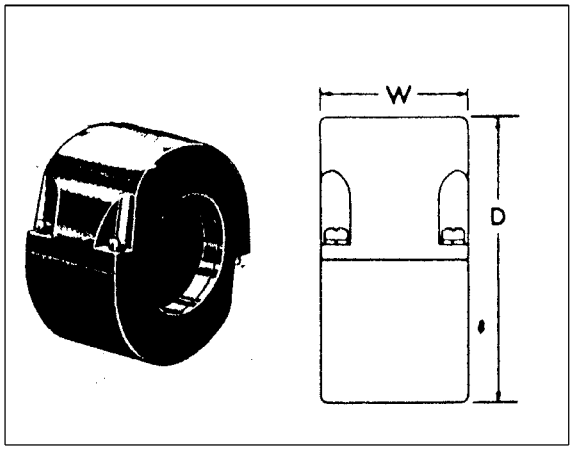
A cover should be used to assure maximum service life, particularly if the coupling operates at high speeds or under moist conditions. For proper lubrication, fill the space between the cover and the coupling with soft to medium consistency coupling grease.

Coupling With Plain Bores for Reboring

Coupling Number	Maximum Bore (Inches)	Minimum Plain Bore (Inches)	Weight (Lbs.)	Recommended Maximum RPM	Coupling Chain Number	Weight (Lbs.)
4012	7/8	7/16	0.5	5000	4012CHN	0.4
4016	15/16	5/8	1.0	5000	4016CHN	0.5
5016	1 11/16	5/8	2.2	4000	5016CHN	1.2
5018	2	3/4	3.5	3600	5018CHN	1.3
6018	2 7/16	1	5.0	3000	6018CHN	2.2
6020	2 3/4	1 1/8	6.5	2500	6020CHN	2.6
6022	3	1 1/8	9.4	2500	6022CHN	2.7
8018	3 1/8	1 1/8	11.0	2000	8018CHN	5.3
8020	3 9/16	1 1/2	16.3	2000	8020CHN	5.9
10018	3 7/8	1 1/2	20.3	1800	10018CHN	9.8
10020	4 5/8	1 1/2	31.8	1800	10020CHN	10.9
12018	4 11/16	2	36.8	1500	12018CHN	17.3
12022	6 1/8	2	70.0	1200	12022CHN	21.2

Stock Coupling Covers

Covers Fit Taper Bushed, QD and Stock, and Finished Bore Couplings. Covers allow excellent lubrication, and their use is recommended to obtain maximum coupling life. Covers are of aluminum and are made in halves for easy installation. Synthetic rubber oil seals, which contact the coupling hubs, retain the lubricant and prevent the entry of dirt. Covers are fitted with gaskets between the halves.



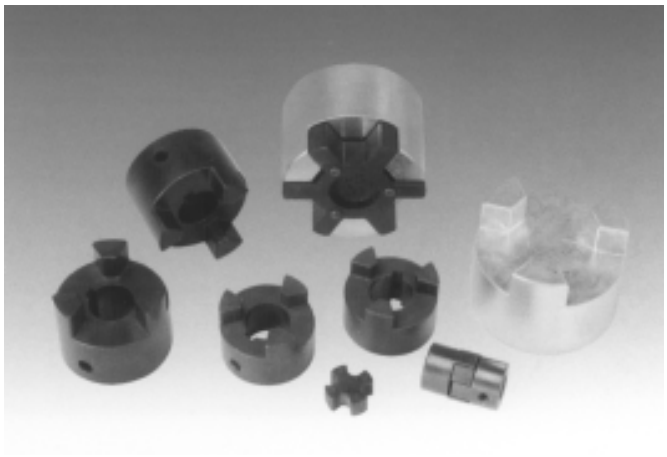
Cover Cat.No.	Aluminum		Plastic		Wt. Lbs.
	D	W	D	W	
4012COV**	4	2	4	2 5/16	0.78
4016COV**	4	2	4	2 5/16	0.92
5016COV**	5 1/8	2 3/8	5 1/8	2 3/8	1.30
5018COV**	5 1/8	2 3/8	5 1/8	2 3/8	1.30
6018COV**	6 3/8	2 15/16	6 3/8	3 1/16	2.44
6020COV**	6 3/8	2 15/16	6 3/8	3 1/16	2.44
6022COV*	8 3/16	4	8 3/16	4	4.88
8018COV	8 3/16	4	8 3/16	4	4.88
8020COV	8 3/16	4	8 3/16	4	4.88
10018COV	9 3/8	5 15/16	9 3/8	5 15/16	8.76
10020COV	10 1/8	5 1/4	10 1/8	5 1/4	12.66
12018COV	11 3/8	7 3/8	11 3/8	7 3/8	16.46
12022COV	13 1/4	7 15/16	13 1/4	7 15/16	19.50

* Use 8018 cover-Special Seals Available

** Furnished in Plastic unless specified with "AL" Suffix when ordering.

COUPLING

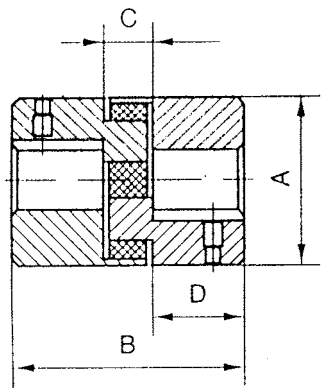
Jaw- Coupling



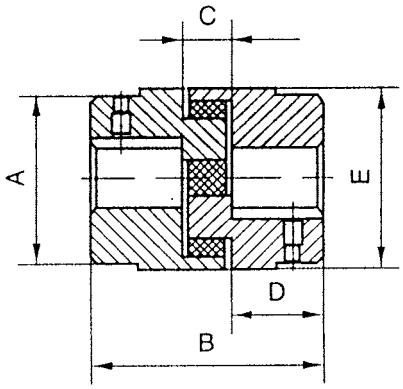
- good temperature and oil resistance
- free of maintenance
- simple structure and easy to install
- The rubbers can be individually replaced when they are worn

-Standard products are finished bore products.

L035- L150



L190- L225



Catalog	Dimension The sporo					Weight Lbs.	Torque In.-Lbs	Maximum R P M	Bore		List Price	Buna Spider
	A	B	C	D	E				Min	Max		
L030	5/8	13/16	9/32	17/64	-	0.07	3.52	31000	1/8	3/8	$3.04	1.43
L050	15/64	123/32	15/32	5/8	-	0.13	25.8	18000	1/4	5/8	$3.50	1.43
L070	123/64	2	1/2	3/4	-	0.25	44.1	14000	1/4	3/4	$5.10	2.85
L075	1 3/4	2 1/8	1/2	13/16	-	0.44	88.2	11000	1/4	7/8	$8.70	2.85
L090	2 7/64	2 1/8	1/2	13/16	-	0.69	145	9000	1/4	1	$10.30	4.46
L095	2 7/64	2 1/2	1/2	1	-	0.84	189	9000	7/16	11/8	$11.80	4.46
L099	2 17/32	2 7/8	3/4	1 1/16	-	1.19	315	7000	7/16	13/16	$15.70	8.90
L100	2 17/32	3 1/2	3/4	1 3/8	-	1.47	415	7000	7/16	13/8	$16.96	8.90
L110	3 5/16	4 1/4	7/8	1 11/16	-	3.20	788	5000	5/8	15/8	$32.50	13.75
L150	2 3/4	4 1/2	1	1 3/4	-	4.50	1260	5000	5/8	17/8	$38.90	13.75
L190	4	5 1/4	1	2 1/8	4 1/2	8.25	1702	5000	3/4	21/8	$57.50	23.57
L225	41/4	6	1	2 1/2	5	12.00	2332	4000	3/4	25/8	$67.75	31.07

Keyway dimensions conform to, USAS B 17.1-1967, standards.
Above. price is finished bore, with keyway and setscrew.

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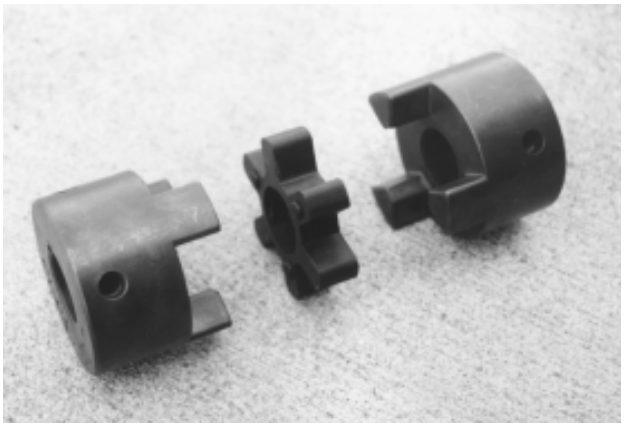
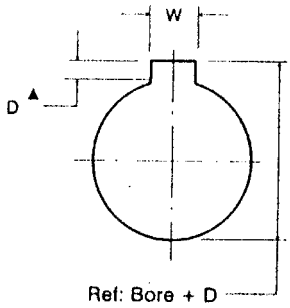
Jaw- Coupling





ISO STANDARD METHOD
FOR MEASURING KEYSEAT
DEPTH

▲Depth measured at centerline

Reference
1 inch = 25.4millmeters
1 millmeter =.03937inches.

Stock Bores	Keyseat	L035	L050	L070	L075	L090	L095	L099	L100	L110	L150	L190	L225
1/8	No Kw.	x	-	-	-	-	-	-	-	-	-	-	-
3/16	No Kw.	x	-	-	-	-	-	-	-	-	-	-	-
1/4	No Kw./No.SS	-	x	x	x	x	-	-	-	-	-	-	-
1/4	No Kw.	x	x	x	x	x	-	-	-	-	-	-	-
1/4	1/8 X 1/16	-	-	-	x	-	-	-	-	-	-	-	-
5/16	No Kw.	x	x	x	x	-	-	-	-	-	-	-	-
3/8*	No Kw.	x	x	x	x	x	-	-	-	-	-	-	-
3/8*	3/32 X 3/64	-	-	-	x	x	-	-	-	-	-	-	-
3/8*	1/8 X 1/16	-	-	-	x	x	-	-	-	-	-	-	-
7/16	No Kw./No.SS	-	-	-	-	-	x	-	-	-	-	-	-
7/16	No Kw.	-	-	x	x	x	x	x	x	-	-	-	-
7/16	3/32 X 3/64	-	-	-	x	x	x	x	x	-	-	-	-
7/16	1/8 X 1/16	-	-	-	x	x	x	x	x	-	-	-	-
1/2	No Kw./No.SS	-	-	-	-	-	-	x	x	-	-	-	-
1/2	No Kw.	-	x	x	x	x	x	x	x	-	-	-	-
1/2	1/8 X 1/16	-	x	x	x	x	x	x	x	-	-	-	-
9/16	No Kw.	-	x	-	x	x	x	x	x	-	-	-	-
9/16	1/8 X 1/16	-	x	x	x	x	x	x	x	-	-	-	-
5/8	No Kw./No.SS	-	-	-	-	-	-	-	x	x	x	x	x
5/8	No Kw.	-	x	-	-	-	-	-	-	x	x	-	-
5/8	5/32 X 5/64	-	-	-	x	x	x	x	x	x	x	-	-
5/8	3/16 X 3/32	-	-	x	x	x	x	x	x	x	x	-	-
11/16	3/16 X 3/32	-	-	x	x	x	x	x	x	x	x	-	-
3/4	No Kw.	-	-	-	-	-	-	-	-	-	-	x	x
3/4	1/8 X 1/16	-	-	-	x	x	x	x	x	x	x	x	-
3/4	3/16 X 3/32	-	-	x	x	x	x	x	x	x	x	x	x
13/16	3/16 X 3/32	-	-	-	x	x	-	x	x	x	x	x	x
7/8	3/16 X 3/32	-	-	-	x	x	x	x	x	x	x	x	x
7/8	1/4 X 1/8	-	-	-	-	x	x	x	x	x	x	x	x
15/16	1/4 X 1/8	-	-	-	-	-	x	x	x	x	x	x	x
1	3/16 X 3/32	-	-	-	-	x	x	x	x	x	x	x	x
1	1/4 X 1/8	-	-	-	-	x	x	x	x	x	x	x	x
1 1/16	1/4 X 1/8	-	-	-	-	-	x	x	x	x	x	x	x
1 1/8	1/4 X 1/8	-	-	-	-	-	x	x	x	x	x	x	x
1 3/16	1/4 X 1/8	-	-	-	-	-	-	x	x	x	x	x	x
1 1/4	1/4 X 1/8	-	-	-	-	-	-	-	x	x	x	x	x
1 1/4	5/16 X 5/32	-	-	-	-	-	-	-	x	x	x	x	x
1 5/16	5/16 X 5/32	-	-	-	-	-	-	-	x	x	x	x	-
1 3/8	5/16 X 5/32	-	-	-	-	-	-	-	x	x	x	x	x
1 3/8	3/8 X 3/16	-	-	-	-	-	-	-	-	x	x	x	x
1 7/16	3/8 X 3/16	-	-	-	-	-	-	-	x	x	x	x	x
1 1/2	5/16 X 5/32	-	-	-	-	-	-	-	-	x	x	x	x
1 1/2	3/8 X 3/16	-	-	-	-	-	-	-	-	x	x	x	x
1 9/16	3/8 X 3/16	-	-	-	-	-	-	-	-	x	x	-	-
1 5/8	3/8 X 3/16	-	-	-	-	-	-	-	-	x	x	x	x
1 11/16	3/8 X 3/16	-	-	-	-	-	-	-	-	-	x	x	x
1 3/4	3/8 X 3/16	-	-	-	-	-	-	-	-	-	x	x	x
1 3/4	7/16 X 7/32	-	-	-	-	-	-	-	-	-	x	x	x
1 13/16	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	x	x
1 7/8	1/2 X 1/4	-	-	-	-	-	-	-	-	-	x	x	x
1 15/16	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	x	x
2	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	x	x
2 1/16	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	x	-
2 1/8	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	x	x
2 3/16	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	-	x
2 1/4	1/2 X 1/4	-	-	-	-	-	-	-	-	-	-	-	x
2 3/8	5/8 X 5/16	-	-	-	-	-	-	-	-	-	-	-	x