

OLD BOOK HAS SOME OLDER TYPE

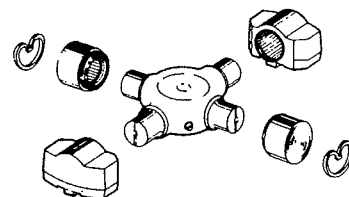
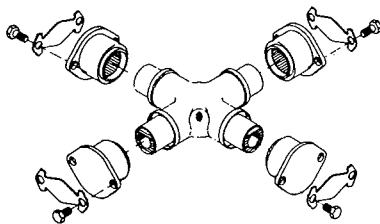
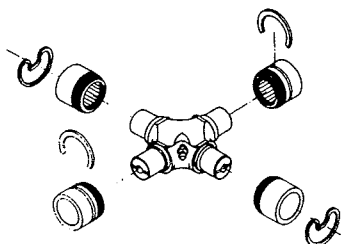
SECTION 9

4/5

Spicer®

KITS & SMALL PARTS

JOURNAL & BEARING KITS



SNAP RING TYPE

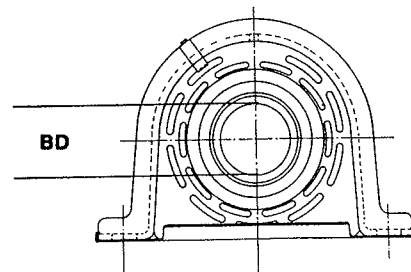
BEARING PLATE TYPE

WING TYPE

Series	Type	Page	Series	Type	Page	Series	Type	Page
1000	Snap Ring	3	1480	Snap Ring	5	1850	Snap Ring	5
1100	"	3	1500	Bearing Plate	5	1880	Bearing Plate	5
1280	"	4	1550	Snap Ring	5	1900	"	5
1310	"	4	1610	Bearing Plate	5	1950	Cap & Bolt	5
1330	"	5	1710	"	5	2050	"	5
1350	"	5	1800	"	5	2150	"	5
1410	"	5	1810	"	5			

CENTER BEARING KITS

Series	BD Bearing Inside Diameter	Page	Series	BD Bearing Inside Diameter	Page
1280 Thru 1310	1.1811/1.807"	6	1700/1710	1.9685/1.9680	7
1280 Thru 1410	1.378/1.375"	6	1800 Thru 1850	2.3622/2.3616"	7
1310 Thru 1550	1.5748/1.5743"	7	1850/1880	2.7559/2.7553"	7
1410 Thru 1650	1.7717/1.7712"	7			



SMALL PARTS

Description	Page	Description	Page
Cap & Bolt Assemblies	8	Set Screws	10
U-Bolt Assemblies	8	Shaft Nuts	11
Snap Rings	9	Washers - Shaft Nut	11
Bearing Plate Screws	9	Lube fittings	11
Lock Straps	9	Flange Bolts	11
Nuts - End fitting	9	Lock Washers	11
Flingers	10	Nut - Flange Bolt	11
Caps or Plugs - for Slip Yokes	10	Center Plate Bolts	11
Square Keys	10	Dust Cap & Washer Kits	12 & 13
Woodruff Keys	10		

A Universal joint series is related to the torque capacities of a driveline. Modern drivelines have become highly complex. In addition heavy duty trucks are largely custom built inasmuch as driveline components are concerned. For these reasons most vehicle manufacturers and universal joint suppliers are cataloging journal and bearing by series.

The following information is designed to provide an easy method for Identification and Selection of the proper series and journal and bearing kits.

SPICER®

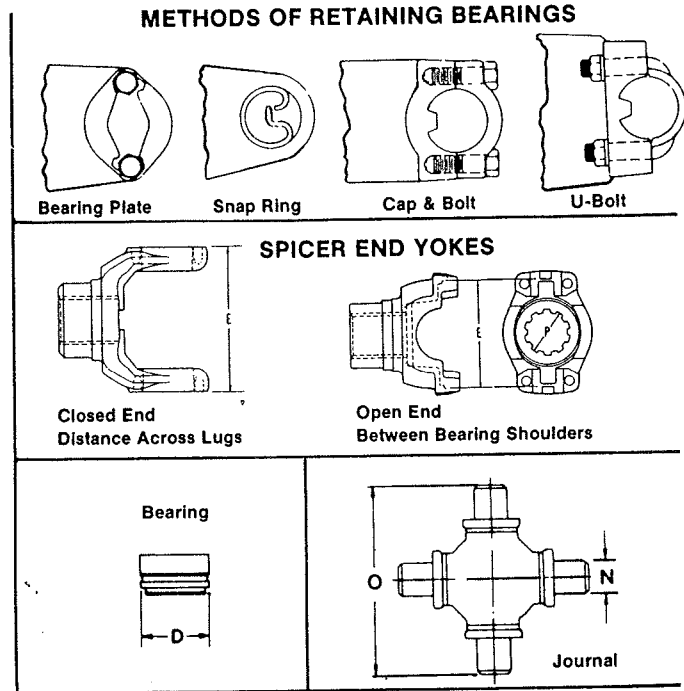
Spicer Journal and Bearing Kits are made in a complete range of sizes for passenger car, truck, bus and off-highway applications.

The basic design of all sizes of Spicer Journal and Bearing Kits is similar. Each kit includes a journal and four (4) bearings; however there are several methods of retaining the bearings in the yokes.

Bearings are retained in the joint yokes with Snap Rings, Bearing Plates, Cap & Bolts and U-Bolts. The Snap Rings and Bearing Plates are used with the closed-end End Yokes, the Cap & Bolts and U-Bolts with open-end End Yokes.

Spicer Series may be determined by measuring the End Yokes or the Journal. The closed-end End Yokes measure across the lugs "E" and the diameter of the Bearing Hole "D". The open-end End Yokes should be measured between the bearing shoulders "E". When measuring the Journal, less the bearings, measure the overall length "O" and the Trunnion Diameter "N".

Listed below is a Table showing the Spicer Series with End Yoke and Journal Dimensions.



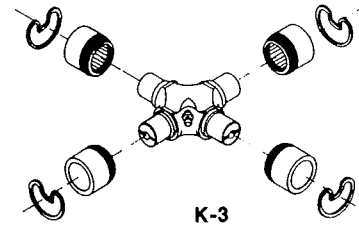
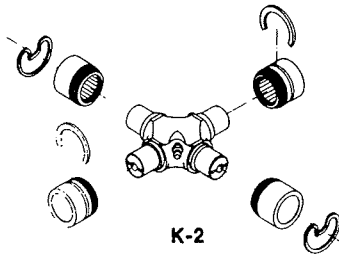
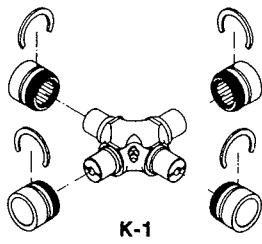
SERIES IDENTIFICATION TABLE

SPICER® JOINT SERIES	END YOKE — "E"		BEARING DIAMETER "D"	JOURNAL DIMENSIONS		Standard Journal & Bearing Kits
	Closed-End	Open-End		Overall Length "O"	Trunnion Diameter "N"	
	Across Lugs	Betw. Brg. Shoulders				
1000	2 ³ / ₁₆ "	---	1 ⁵ / ₁₆ "	2 ⁵ / ₆₄ "	1/2"	5-170X
1100	2 ²¹ / ₃₂ "	---	1 ⁵ / ₁₆ "	2 ¹³ / ₆₄ "	3 ⁵ / ₆₄ "	5-100X
1280	3 ¹⁵ / ₃₂ "	3 ³ / ₃₂ "	1 ¹ / ₁₆ "	2 ³¹ / ₃₂ "	3 ³⁹ / ₆₄ "	5-200X
1310	3 ¹⁵ / ₃₂ "	3 ³ / ₃₂ "	1 ¹ / ₁₆ "	2 ³¹ / ₃₂ "	2 ¹ / ₃₂ "	5-153X
1330	3 ⁷ / ₈ "	3 ⁵ / ₈ "	1 ¹ / ₁₆ "	3 ³ / ₈ "	2 ¹ / ₃₂ "	5-213X
1350	3 ⁷ / ₈ "	3 ⁵ / ₈ "	1 ³ / ₁₆ "	3 ³ / ₈ "	4 ⁴⁹ / ₆₄ "	5-178X
1410	4 ¹ / ₁₆ "	4 ³ / ₁₆ "	1 ³ / ₁₆ "	3 ¹⁹ / ₁₆ "	4 ⁴⁹ / ₆₄ "	5-160X
1480	4 ¹ / ₁₆ "	4 ³ / ₁₆ "	1 ³ / ₈ "	3 ⁷ / ₈ "	4 ⁵⁷ / ₆₄ "	5-188X
1500	4 ⁹ / ₁₆ "	---	1 ⁹ / ₁₆ "	4 ¹ / ₄ "	1"	5-115X
1550	5 ¹ / ₄ "	4 ³¹ / ₃₂ "	1 ³ / ₈ "	4 ²¹ / ₃₂ "	5 ⁵⁷ / ₆₄ "	5-155X
1610	5 ³ / ₈ "	---	1 ⁷ / ₈ "	5"	1 ¹⁷ / ₆₄ "	5-279X
1650	5 ³¹ / ₃₂ "	5 ¹⁹ / ₃₂ "	1 ⁵ / ₈ "	5 ³ / ₁₆ "	1 ³ / ₆₄ "	5-165X
1710	6 ³ / ₃₂ "	---	1 ¹⁵ / ₁₆ "	5 ²⁵ / ₃₂ "	1 ¹⁹ / ₆₄ "	5-280X
1800	6 ¹⁹ / ₃₂ "	---	2 ⁵ / ₁₆ "	6 ³ / ₃₂ "	1 ¹¹ / ₁₆ "	5-124X
1810	7 ³⁵ / ₆₄ "	---	1 ¹⁵ / ₁₆ "	7 ¹ / ₄ "	1 ¹⁹ / ₆₄ "	5-281X
1850	8 ¹ / ₁₆ "	8 ³ / ₃₂ "	2 ³ / ₁₆ "	7 ¹⁹ / ₃₂ "	1 ³ / ₈ "	5-185X
1880	8 ³ / ₃₂ "	---	2 ³ / ₁₆ "	7 ¹⁹ / ₃₂ "	1 ³ / ₈ "	5-308X
1900	8 ²⁵ / ₃₂ "	---	2 ¹³ / ₁₆ "	8 ¹ / ₃₂ "	1 ⁶¹ / ₆₄ "	5-54X
1950	---	10 ³ / ₆₄ "	3 ¹ / ₁₆ "	9 ³ / ₃₂ "	2"	5-192X
2050	---	12 ¹¹ / ₃₂ "	3 ¹³ / ₁₆ "	11 ⁷ / ₃₂ "	2 ¹ / ₂ "	5-250X
2150	---	15 ³ / ₈ "	4 ³ / ₄ "	14 ⁵ / ₁₆ "	3 ⁵ / ₃₂ "	5-298X

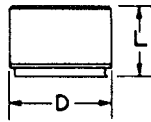
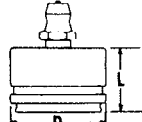
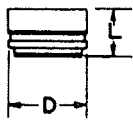
SPICER JOURNAL & BEARING KITS

Spicer®

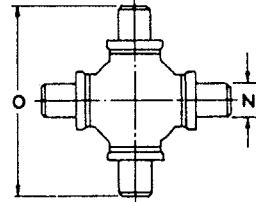
KIT STYLES



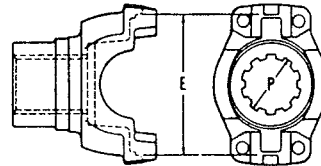
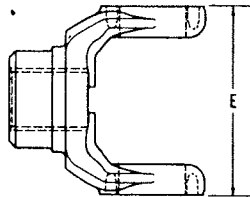
BEARING TYPES



JOURNAL



END YOKES



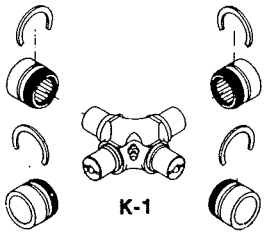
JOURNAL DIMENSIONS			BEARING DIMENSIONS					YOKE DIMENSION - "E"		Series	Kit Style	Journal & Bearing Kit Number
Overall Length "O"	Trunnion Diameter "N"	Lube Fitting	Outside Diameter "D"	Length of Bearing Race "L"	Ctr. to Ctr. Cap Screw Hole "S"	Bearing Type	Qty. Req'd.	Snap Ring or Bearing Cap Across Lugs E-1	U-Bolt Between Brg. Shoulders E-2			
1 ⁷ / ₈ "	1/2"	Yes	31 ¹¹ / ₃₂ "	5 ¹¹ / ₈"	.....	B-1	4	.....	.....	600-AG	K-1	5-92X
2 ³ / ₄ "	1/2"	Yes	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-1	4	2 ³ / ₁₆"	.....	1000-SG	K-1	5-103X
2 ³ / ₄ "	1/2"	No	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-1	4	2 ³ / ₁₆"	.....	1000	K-1	5-110X
2 ³ / ₄ "	1/2"	Yes	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-1	4	2 ³ / ₁₆"	.....	1000	K-1	• 5-170X
2 ³ / ₄ "	1/2"	No	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-1	3	2 ³ / ₁₆"	.....	1000-AG	K-1	5-170-1X
						B-2	1					
2 ¹³ / ₆₄ "	35 ¹¹ / ₆₄ "	No	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-3	4	2 ²¹ / ₃₂"	.....	1100	K-3	5-101X
2 ¹³ / ₆₄ "	35 ¹¹ / ₆₄ "	Yes	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-3	4	2 ²¹ / ₃₂ "	2 ⁷ / ₁₆ "	1100	K-3	• 5-111X
2 ¹³ / ₆₄ "	1/2"	Yes	15 ¹¹ / ₁₆ "	5 ¹¹ / ₈"	.....	B-3	4	2 ²¹ / ₃₂"	.....	1100-SG	K-3	5-102X (69)
2 ¹³ / ₆₄ "	35 ¹¹ / ₆₄ "	No	1"	2 ¹ / ₃₂"	.....	B-1	4	2 ¹⁵ / ₃₂"	.....	1110	K-1	• 5-100X
2 ¹³ / ₆₄ "	35 ¹¹ / ₆₄ "	Yes	1"	2 ¹ / ₃₂"	.....	B-1	4	2 ¹⁵ / ₃₂"	.....	1100	K-1	5-105X (150)
2 ¹³ / ₆₄ "	35 ¹¹ / ₆₄ "	Yes		2 ¹ / ₃₂"	.....	B-1	2	2 ³ / ₁₆ "	2 ⁷ / ₁₆ "	1110	K-2	5-248X
			1 ¹ / ₁₆ "	2 ¹ / ₃₂"	.....	B-3	2					

All Dimensions Same As 5-248X except for position of Lube Fitting.....5-249X

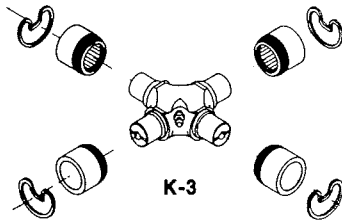
- T — Torque Tube SG — Steering Gear AG — Agricultural
- — Standard Kit for its Series
- (69) — 5-102X & 5-111X Kits must be so assembled in 1100 Series Joint to prevent Lube Fitting from interfering with the end of the driving or driven shaft.
- (150) — 5-105X Kit must be so assembled in 1110 Series Joint to prevent Lube Fitting from interfering with the end of the driving or driven shaft.

SPICER JOURNAL & BEARING KITS

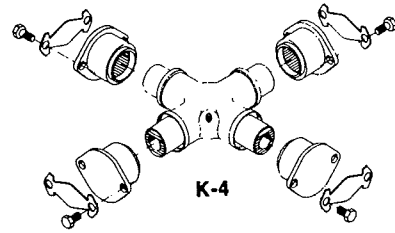
KIT STYLES



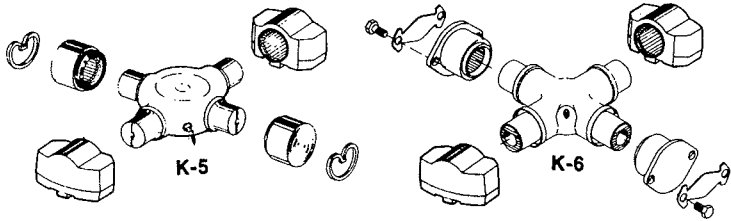
K-1



K-3

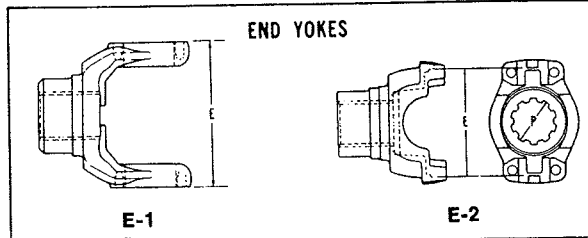


K-4



K-5

K-6

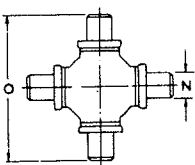


END YOKES

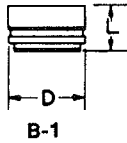
E-1

E-2

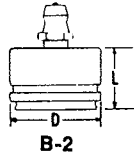
JOURNAL



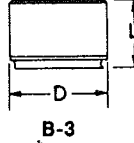
BEARING TYPES



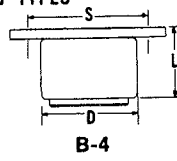
B-1



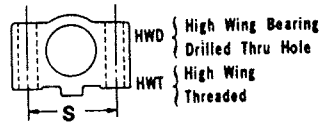
B-2



B-3



B-4



HWD

High Wing Bearing
Drilled Thru Hole

HWT

High Wing
Threaded

JOURNAL DIMENSIONS			BEARING DIMENSIONS					YOKE DIMENSION - "E"		Series	Kit Style	Journal & Bearing Kit Number
Overall Length "O"	Trunnion Diameter "N"	Lube Fitting	Outside Diameter "D"	Length of Bearing Race "L"	Ctr. to Ctr. Cap Screw Hole "S"	Bearing Type	Qty. Req'd.	Snap Ring or Bearing Cap Across Lugs E-1	U-Bolt Between Brg. Shoulders E-2			
2 1/4"	5/8"	Yes	1 1/16"	5/8"	.....	B-1	4	2 1/2"	.....	1140-AG	K-3	5-242X
2 3/8"	49/64"	Yes	1 1/8"	21/32"	.....	B-3	4	2 7/8"	.....	1240-AG	K-3	5-129X
2 3/8"	49/64"	No	1 1/8"	21/32"	.....	B-3	3	2 7/8"	.....	1240-AG	K-3	5-129-1X
						B-2	1					
2 3/8"	49/64"	No	1 1/8"	21/32"	.....	B-3	4	2 7/8"	.....	1240-AG	K-3	5-129-2X
"	21/32"	No	1 1/16"	17/32"	.....	B-3	4	3 3/16"	.....	1300	K-3	5-4X
2 3/4"	35/64"	No	1"	21/32"	.....	B-1	4	3 1/8"	.....	1180	K-1	5-108X
2 61/64"	27/32"	Yes	1 1/4"	49/64"	.....	B-3	4	3 3/64"	.....	1340-AG	K-3	5-243X
2 51/64"	3/4"	No	1 1/4"	49/64"	.....	B-3	3	3 3/64"	.....	1340-AG	K-3	5-243-1X
						B-2	1					
2 31/32"	39/64"	Yes	1 1/8"	9/16"	.....	B-3	4	3 15/32"	3 7/32"	1280	K-3	● 5-200X.
2 31/32"	21/32"	Yes	1 1/8"	11/16"	.....	B-3	4	3 15/32"	3 7/32"	1310	K-3	● 5-153X
2 31/32"	21/32"	Yes	1 1/8"	45/64"	.....	B-3	4	3 15/32"	3 7/32"	1310-CV	K-3	5-278X
2 31/32"	21/32"	No	1 1/8"	3/4"	.....	B-1	4	3 1/8"	.....	1310-WJ	K-1	5-260X(2)
2 31/32"	3/4"	No	1 3/16"	49/64"	.....	B-1	4	3 3/8"	.....	1310-WJ	K-1	5-297X (3)
3"	21/32"	No	1 1/8"	43/64"	.....	B-1	4	3 15/32"	3 7/32"	1310-WJ	K-1	5-74X (1)
(139)	21/32"	Yes	1 1/8"	11/16"	.....	B-3	4	.....	3 5/8"	1310-1330	K-3	5-134X
(139)	21/32"	No	1 1/8"	11/16"	.....	B-3	2	3 15/32"	3 7/32"	1310-1330	K-3	5-150X
						B-3	2	3 7/8"	3 5/8"			

SPICER JOURNAL & BEARING KITS

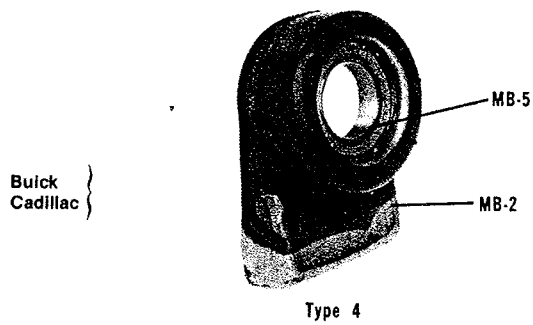
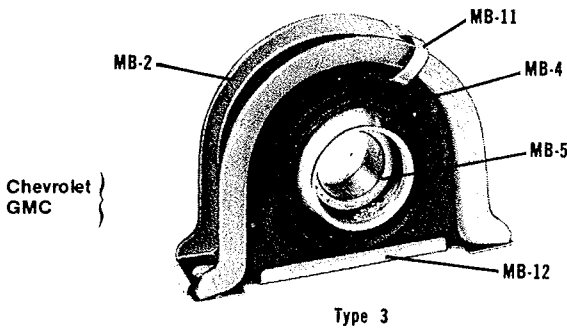
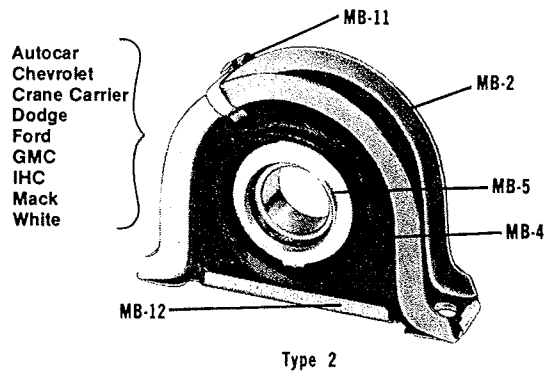
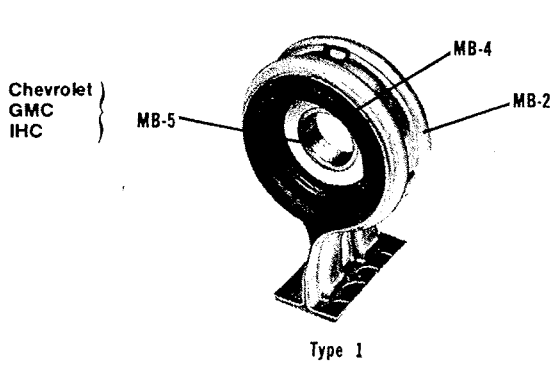
Spicer®

JOURNAL DIMENSIONS - S-4			BEARING DIMENSIONS					YOKE DIMENSION - "E"		Series	Kit Style	Journal & Bearing Kit Number
Overall Length "O"	Trunnion Diameter "N"	Lube Fitting	Outside Diameter "D"	Length of Bearing Race "L"	Ctr. to Ctr. Cap Screw Hole "S"	Bearing Type	Qty. Req'd.	Snap Ring or Bearing Cap Across Lugs E-1	U-Bolt Between Brg. Shoulders E-2			
3 3/8"	2 1/32"	Yes	1 1/16"	1 1/16"	.....	B-3	2	3 7/8"	3 5/8"	1330	K-3	5-212X
			1 1/8"	2 3/32"	.....	B-3	2					
3 3/8"	2 1/32"	Yes	1 1/16"	1 1/16"	.....	B-3	4	3 7/8"	3 7/8"	1330	K-3	● 5-213X
3 3/8"	2 1/32"	No	1 1/16"	5 5/16"	.....	B-1	4	.....	.....	1330-T	K-1	● 5-133X
3 3/8"	4 9/64"	No	1 3/16"	2 5/16"	.....	B-3	4	3 7/8"	3 7/8"	1350-WJ	K-3	● 5-86X (1)
3 3/8"	4 9/64"	Yes	1 3/16"	2 5/16"	.....	B-3	4	3 7/8"	3 7/8"	1350	K-3	● 5-178X
3 7/8"	5 7/64"	Yes	1 3/8"	1 5/16"	.....	B-3	4	4 7/16"	4 3/16"	1480	K-3	● 5-188X
3 7/8"	5 7/64"	No	1 3/8"	1 5/16"	.....	B-3	4	4 7/16"	4 3/16"	1480-WJ	K-3	● 5-88X (1)
3 7/8"	4 9/64"	Yes	1 3/16"	2 5/32"	.....	B-3	4	4 7/16"	4 7/16"	1410	K-3	● 5-160X
4 1/2"	1"	Yes	1 9/16"	5 7/64"	2"	B-4	4	4 9/16"	.....	1500	K-4	● 5-115X
4 21/32"	5 7/64"	Yes	1 3/8"	1 5/16"	.....	B-3	4	5 1/4"	4 31/32"	1550	K-3	● 5-155X
4 21/32"	5 7/64"	Yes	1 3/8"	1 5/16"	.....	B-3	2	5 1/4"	.....	1550	K-5	5-220X
4 21/32"	5 7/64"	Yes	1 3/8"	1 5/16"	.....	B-3	2	5 1/4"	.....	1550	K-5	5-221X
					1 11/16"	HWD	2	(For Use With Mech. 6C)				
					1 11/16"	HWT	2	(For Use With Mech. 6C)				
4 21/32"	5 7/64"	Yes	1 3/4"	5 9/64"	.....	B-3	2	5 1/4"	.....	1550	K-5	5-328X
					1 15/16"	HWD	2	(For Use With Rockwell 58WB)				
4 21/32"	5 7/64"	Yes	1 3/4"	5 9/64"	.....	B-3	2	5 1/4"	.....	1550	K-5	5-329X
					1 15/16"	HWT	2	(For Use With Rockwell 58WB)				
5"	1 17/64"	Yes	1 7/8"	1 5/32"	2 5/16"	B-4	4	5 5/16"	.....	1610	K-4	● 5-279X
5 3/16"	1 3/64"	Yes	1 5/8"	1 7/64"	.....	B-3	4	5 31/32"	5 19/32"	1650	K-3	● 5-165X
5 3/16"	1 1/64"	Yes	1 7/8"	1 7/64"	.....	B-3	4	5 31/32"	5 7/32"	1650	K-3	5-299X ▲
5 3/16"	1 3/64"	Yes	1 5/8"	1 7/64"	.....	B-3	2	5 31/32"	.....	1650	K-5	5-330X
					1 15/16"	HWD	2	(For Use With Mech 7C)				
5 3/16"	1 3/64"	Yes	1 5/8"	1 7/64"	.....	B-3	2	5 31/32"	.....	1650	K-5	5-331X
					1 15/16"	HWT	2	(For Use With Mech 7C)				
5 25/32"	1 19/64"	Yes	1 15/16"	1 1/4"	2 1/16"	B-4	4	6 3/32"	.....	1710	K-4	● 5-280X
5 25/32"	1 19/64"	Yes	1 15/16"	1 1/4"	2 1/16"	B-4	4	6 3/32"	.....	1710	K-4	5-306X**
6 3/32"	1 11/16"	Yes	2 5/16"	1 3/16"	2 13/16"	B-4	4	6 19/32"	.....	1800	K-4	● 5-124X
7 1/4"	1 19/64"	Yes	1 15/16"	1 1/4"	2 7/16"	B-4	4	7 35/64"	.....	1810	K-4	● 5-281X
7 1/4"	1 19/64"	Yes	1 15/16"	1 1/4"	2 7/16"	B-4	2	7 35/64"	.....	1810	K-6	5-324X
					2 13/16"	HWD	2	(For Use With Rockwell 88 WB)				
7 19/32"	1 3/8"	Yes	2 3/16"	1 7/64"	.....	B-3	4	8 11/16"	8 3/16"	1850	K-3	● 5-185X
7 19/32"	1 3/8"	Yes	2 3/16"	1 3/4"	2 13/16"	B-4	4	8 3/32"	.....	1880	K-4	● 5-308X
7 19/32"	1 3/8"	Yes	2 3/16"	1 7/16"	2 13/16"	HWD	2	(For Use With Mech. 9C)		1850	K-5	5-186X
					2 13/16"	B-3	2	8 11/16"	.....		
7 19/32"	1 3/8"	Yes	2 3/16"	1 7/16"	2 13/16"	HWT	2	(For Use With Mech. 9C)		1850	K-5	5-187X
					2 13/16"	B-3	2	8 11/16"	.....		
7 19/32"	1 3/8"	Yes	2 3/16"	1 3/32"	2 13/16"	B-4	2	8 3/32"	.....	1880	K-6	5-326X
					2 13/16"	HWD	2	(For Use With Mech. 9C)				
7 19/32"	1 3/8"	Yes	2 3/16"	1 9/32"	2 13/16"	B-4	2	8 3/32"	.....	1880	K-6	5-327X
					2 13/16"	HWT	2	(For Use With Mech. 9C)				
8 3/16"	1 61/64"	Yes	2 13/16"	1 25/32"	.....	B-3	4	9 3/8"	.....	1900H.D.	K-3	● 5-190X
8 11/32"	1 61/64"	Yes	2 13/16"	1 35/64"	.....	B-4	4	8 25/32"	.....	1900	K-4	● 5-54X
9 5/32"	2"	No	3 1/16"	1 5/16"	.....	B-3	4	.....	10 3/4"	1950	(275)	● 5-192X
11 17/32"	2 1/2"	Yes	3 13/32"	2 7/16"	.....	B-3	4	.....	12 11/12"	2050	(275)	● 5-250X
14 5/16"	3 3/32"	No	4 3/4"	3"	6 5/8"	B-3	4 (171)	.....	15 3/8"	2150	(275)	● 5-298X

AG — Agricultural CV — Constant Velocity
T — Torque Tube WJ — Wheel Joint HD — Heavy Duty
** — Journal has two (2) Lube Fittings.
(1) — Kit less Seals, used with Spicer Closed End 30° Steer Front Axles.
(2) — Kit with Seals, used with Spicer Open End 40° Steer Axles.
(3) — Heavy Duty Kit with Seals, used with Spicer Open End 40° Steer Axles.

(108) — For use with Spicer Wheel Joint Assemblies.
(139) — Uses a combination Journal. For the 1310 Series use the "O" Length of 2-1/32" and for the 1330 Series use the "O" Length of 3-3/8".
(171) — Lube Fitting in Bearing.
(275) — For Cap & Bolt Assembly.
● — Standard Kit for its Series.
▲ — Two Bearing races include friction rings.

SPICER CENTER BEARINGS



SPICER CENTER BEARING ASSEMBLY Part Number	A Center Bearing Assembly Includes The Parts Listed Below										
	Type	Bracket MB-2	Rubber Cushion MB-4	Retainer & Shield Assembly MB-5	RETAINERS		FLINGERS				End Yoke MB-10
					Bottom Cushion MB-11	Top Cushion MB-12	Large		Small		
							Front Outer Shaft MB-6	Rear Outer Shaft MB-7	Front Inner Shaft MB-8	Rear Outer Shaft MB-9	

1280 Thru 1310 Series 1.1811/1.1807" Bearing Inside Diameter

210527X (3)	1	210580X	Part of MB-2	550735	---	---	230318	---	---	---	---
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1280 Thru 1410 Series 1.3780/1.3775" Bearing Inside Diameter

210088-1X	2	230122	230119-1	210086-1X	3-95-99	3-95-59	230118	---	---	230121	---
210089-1X	Replaced by 210370-1X										
210090-1X	2	230122	230119-1	210086-1X	3-95-99	3-95-59	230118	---	---	---	230118
210091-1X	Replaced by 210367-1X										
210367-1X	3	230122	230119-1	210228X	3-95-99	3-95-59	---	230141	98-1473	---	98-1473
210370-1X	3	230122	230119-1	210228X	3-95-99	3-95-59	---	230141	98-1473	---	---
210851-1X	3	230981	230119-1	210228X	---	3-95-59	230982	---	98-1473	230104	---
210939X	2	230981	230119-1	210921-1X	---	3-95-59	230118	---	---	230121	---

?) — For Bracket Assembly Less Bearing, Use 210580X.

SPICER CENTER BEARINGS

Spicer®

SPICER CENTER BEARING ASSEMBLY Part Number	A Center Bearing Assembly Includes The Parts Listed Below										
	Type	Bracket MB-2	Rubber Cushion MB-4	Retainer & Shield Assembly MB-5	RETAINERS		FLINGERS				
					Bottom Cushion MB-11	Top Cushion MB-12	Large		Small		End Yoke MB-10
							Front Outer Shaft MB-6	Rear Outer Shaft MB-7	Front Inner Shaft MB-8	Rear Outer Shaft MB-9	

1310 Thru 1550 Series 1.5748/1.5743" Bearing Inside Diameter

210083-1X	Replaced by 210391-1X										
210139-1X	Replaced by 210433-1X										
210140-1X	3	230549	230126-1	210119-1X	3-95-99	3-95-69	230207	---	---	---	230208
210144-1X	3	230549	230126-1	210119-1X	3-95-99	3-95-69	230207	---	---	---	230207
210344X	4	{ Part of MB-5 }	---	210211X	---	---	---	230376	---	---	---
210391-1X	2	230549	230126-1	210085-1X	3-95-99	3-95-69	230124	---	---	---	230124
210433-1X	2	230549	230126-1	210085-1X	3-95-99	3-95-69	230124	---	---	230209	---
210866-1X	2	230122	230119-1	210865-1X	3-95-99	3-95-59	231004	---	---	231000	---
210873-1X	2	230122	230119-1	210865-1X	3-95-99	3-95-59	231004	---	---	231004	---

1410 Thru 1650 Series 1.7717/1.7712" Bearing Inside Diameter

210084-2X	2	230148	230147-3	210092-1X	3-95-99	3-95-29	230151	---	---	---	230151
210130-1X	3	230148	230147-3	210129-1X	3-95-99	---	---	---	---	---	---
210207-1X	2	230148	230147-3	210092-1X	3-95-99	5-95-29	230151	---	---	230363	---
210209-1X	3	230148	230147-3	210129-1X	3-95-99	5-92-29	---	230192	230193	230380	---

1700 Thru 1710 Series 1.9685/1.9680"

210121-1X	2	230164	230167-1	210120-1X	---	6-95-29	230166	---	---	---	230166
210881-1X	2	237011	230958-1	210120-1X	---	6-95-29	230166	---	---	---	230166

1800 Thru 1850 Series 2.3622/2.3616"

1800 Thru 1850 Series											
210661-1X	2	230750	230749-1	210660-1X	8-95-39	8-95-49	230746	---	---	---	230746
210874-1X	2	231007	230749-1	210660-1X	---	8-95-49	230746	---	---	---	230746
210875-1X	2	231007	231008	210660-1X	---	8-95-49	230746	---	---	---	230746

1850/1880 Series 2.7559/2.7553"

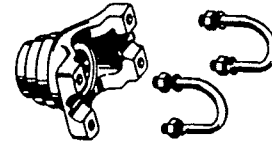
210748-1X	2	230750	230749-1	210750-1X	8-95-39	8-95-49	230746	---	---	---	230746
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(3) — For Bracket Assembly Less Bearing, Use 210580X

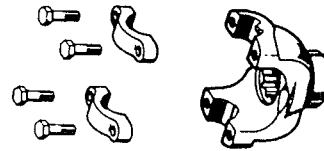
SPICER U-BOLT AND CAP & BOLT ASSEMBLIES

Two U-Bolt Assemblies and Two Snap Rings from each Kit in the table below are required with each U-Bolt type End Yoke.

Used With Journal & Bearing Kit	U-Bolt or Cap & Bolt Assemblies	Joint Series
5-153X	2-94-28X	1310
5-163X	2-94-28X	1280
5-200X	2-94-28X	1280
5-134X	2-94-28X	1330
5-178X	3-94-18X	1350
5-160X	3-94-18X	1410
5-188X	3-94-28X	1480
5-155X	3-94-28X	1550
5-165X	5-70-18X (Cap & Bolt)	1650
5-185X	8-70-18X (Cap & Bolt)	1850
5-192X	9-70-18X (Cap & Bolt)	1950
5-250X	9-70-28X (Cap & Bolt)	2050
5-298X	9-70-38X (Cap & Bolt)	2150



U-Bolt Assembly



Cap & Bolt Assembly

U-BOLT ASSEMBLIES

Thread Dia.	Bolt Centers	Overall Length	Part Number	Joint Series	Assembly Consists of		
					U-Bolt	Nut	Lockwasher
5/16" - 24	1 13/32"	1 7/8"	2-94-28X	1260 thru 1330	2-94-29	500371-2	500357-10
3/8" - 24	1 5/8"	2 3/16"	3-94-18X	1350-1410	3-94-19	500371-3	500357-11
7/16" - 20	1 7/8"	2 15/32"	3-94-28X	1480-1550	3-94-29	500371-4	500357-12

CAP & BOLT ASSEMBLIES

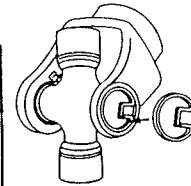
Bolt Hole Diameter	Bolt Hole Centers	Joint Series	Part Number	Assembly Consists of	
				Bearing Race Cap	Bolt
1/2"	2 3/8"	1650	5-70-18X	5-70-79	8-73-123
37/64"	3 3/4"	1850	8-70-18X	8-70-19	9-73-128
3/4"	4 1/4"	1950	9-70-18X	9-70-39	12-73-144
13/16"	5 7/16"	2050	9-70-28X	9-70-49	16-73-624
1 1/16"	6 5/8"	2150	9-70-38X	9-70-59	12-73-624

SMALL PARTS

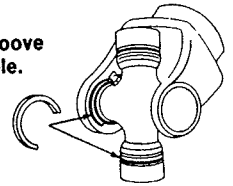
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SNAP RINGS

Snap Ring Type	Outside Diameter	For Series	Part Number	Snap Ring Type	Outside Diameter	For Series	Part Number
2	$\frac{63}{64}$ "	1000	10-7-29	1	$1\frac{11}{32}$ "	1350/1410	3-7-39
2	$1\frac{5}{64}$ "	1310	2-7-99	1	$1\frac{13}{32}$ "	1340	3-7-2
2	$1\frac{3}{32}$ "	1110	230093	1	$1\frac{13}{32}$ "	1340	3-7-3
1	$1\frac{3}{32}$ "	1100	1-7-29	1	$1\frac{17}{32}$ "	1480/1550	3-7-89
2	$1\frac{5}{32}$ "	1140	1-7-1	1	$1\frac{17}{32}$ "	1550	3-7-109
1	$1\frac{7}{32}$ "	1280/1330	2-7-29	1	$1\frac{43}{64}$ "	1650	5-7-29
1	$1\frac{9}{32}$ "	1240	2-7-1	1	$2\frac{25}{64}$ "	1850	8-7-29
1	$1\frac{9}{32}$ "	1240	2-7-149	1	$3\frac{1}{16}$ "	1900	9-7-19
2	$1\frac{9}{32}$ "	1350	3-7-99				



Type-1 fits Groove in Cross Hole.



Type-2 fits Groove in Bearing.

BEARING PLATE SCREWS

Diameter & Length Under Head	For Series	Screw Part Number	Used With		Recommended Bolt Torque Ft. / Lb.
			Bearing Cap	Lock Strap	
$\frac{5}{16}$ " - 24 x $\frac{1}{2}$ "	1500	5-73-108	4-70-49	98-781	17-24
$\frac{5}{16}$ " - 24 x $\frac{9}{16}$ "	1610	5-73-109		98-741	
$\frac{3}{8}$ " - 24 x $\frac{11}{16}$ "	1800	6-73-311		98-743	
$\frac{3}{8}$ " - 24 x 1"	1550	6-73-527			50-66
$\frac{3}{8}$ " - 24 x $1\frac{1}{16}$ "	1550	6-73-427			
$\frac{7}{16}$ " - 20 x $\frac{15}{16}$ "	1880/1900	7-73-115	9-70-29	230373	
$\frac{7}{16}$ " - 20 x $1\frac{1}{16}$ "	1650	7-73-424			
$\frac{7}{16}$ " - 20 x $1\frac{5}{16}$ "	1550	7-73-528			
$\frac{1}{2}$ " - 20 x $1\frac{3}{8}$ "	1880	8-73-322			
$\frac{1}{2}$ " - 20 x $1\frac{1}{2}$ "	1880	8-73-640			
$\frac{1}{2}$ " - 20 x $2\frac{1}{8}$ "	1650	8-73-540			
$\frac{1}{2}$ " - 20 x $2\frac{1}{2}$ "	1850	8-73-340			
$\frac{9}{16}$ " - 24 x $\frac{19}{32}$ "	1710/1810	6-73-109		230323	



LOCK STRAPS

Center to Center of Bolt Holes	Bolt Holes	Used On Series	Lock Strap Part Number	LOCK STRAP USED WITH	
				Cap Screw	
2"	$2\frac{11}{32}$ "	1500	98-781	5-73-108	
$2\frac{11}{32}$ "	$2\frac{11}{32}$ "	1600-1700	98-741	5-73-109	
		1610-1710			
$2\frac{15}{32}$ "	$4\frac{15}{32}$ "	1900	230373	7-73-115	
$2\frac{7}{16}$ "	$2\frac{25}{64}$ "	1700-1710	230323	5-73-410 or 6-73-210	
$2\frac{7}{16}$ "	$2\frac{13}{32}$ "	1800	98-743	6-73-311	
$2\frac{13}{16}$ "	$2\frac{17}{32}$ "	1850WT	230487	8-73-322	
$2\frac{13}{16}$ "	$2\frac{29}{64}$ "	1880	231009	7-73-115	



END FITTING NUT

For Spicer Transmission Output Shaft

Tap Size	Width Across Flats	Type	Nut Part Number	Tap Size	Width Across Flats	Type	Nut Part Number
$\frac{7}{8}$ " - 16	$1\frac{1}{16}$ "	Slotted	263-J	$1\frac{1}{4}$ " - 18	2"	Self Lock	500729
1" - 20	$1\frac{1}{2}$ "	Slotted	68-J	$1\frac{1}{4}$ " - 18	$2\frac{1}{8}$ "	Self Lock	500898
1" - 20	$1\frac{11}{16}$ "	Self Lock	501068	$1\frac{1}{4}$ " - 18	$2\frac{1}{8}$ "	Slotted	74-J
1" - 20	$1\frac{3}{4}$ "	Slotted	330275-1	$1\frac{1}{4}$ " - 18	$2\frac{1}{4}$ "	Self Lock	500713
				$1\frac{1}{4}$ " - 16	$2\frac{3}{4}$ "	Slotted	330574

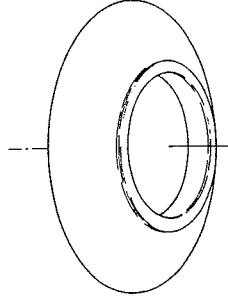


Shaft Nut

SMALL PARTS

FLINGERS

For Companion Flanges And End Yokes



FLINGER

Inside Diameter	Outside Diameter	Flinger Part Number	Inside Diameter	Outside Diameter	Flinger Part Number
1 1/16"	2 1/8"	15099	2 31/32"	4 51/64"	231015
1 1/8"	2 1/4"	230434	3"	4 13/32"	230896
1 3/16"	2 3/8"	330851	3 1/8"	4 7/16"	231028
1 1/2"	2 1/2"	715W	3 1/2"	5"	231022
1 5/8"	3 1/16"	330699	3 3/4"	4 3/8"	829W
1 3/4"	4 1/8"	31875	3 7/8"	5 11/64"	330499
1 7/8"	4 1/4"	17562	3 5/8"	4 7/8"	231102
1 15/16"	4 1/2"	98-1473	3 31/32"	5"	230870
1 11/8"	2 1/2"	230881	3 5/8"	5 1/8"	230640
1 5/8"	2 3/4"	34592	3 3/4"	5 1/16"	230921
1 57/64"	2 7/16"	30798	3 5/8"	5 3/8"	230746
1 57/64"	3 13/16"	230395	3 7/8"	4 7/8"	231013
2 1/16"	2 3/4"	230421	3 7/8"	4 7/8"	230998
2 1/8"	4 1/4"	230872	3 7/8"	4 1/4"	330575
2 1/4"	4 11/16"	565W	3 7/8"	5 1/8"	231047
2 1/4"	4 1 1/16"	230511	3 33/64"	4 7/8"	330576
2 33/64"	4 11/32"	230207	3 7/8"	5 3/4"	230405
2 17/32"	4 3/8"	230909	3 15/16"	5 15/64"	230991
2 5/8"	4 1/2"	230899	3 15/16"	5 23/64"	230902
2 11/16"	4 1 1/8"	230897	4 1/16"	5 38/64"	230963
2 11/16"	4 3/32"	1015W	4 1/16"	5 13/16"	230888
2 48/64"	3 7/16"	230900	4 1/4"	5 43/64"	230827
2 48/64"	5 13/16"	230420	4 1/4"	5 1/16"	231056
2 57/64"	5 3/16"	230910	4 3/4"	6"	230903
2 57/64"	4 23/32"	230794	5 11/16"	5 23/64"	230922
2 15/16"	4 3/4"	98-1361	6 1/8"	6 15/16"	230922
2 15/16"	4 15/16"	230795			
2 15/16"	5 7/16"	98-1362			
2 15/16"	5 23/32"	231101			
2 15/16"	6"	330287			
2 3/4"	4 47/64"				

CUPS OR PLUGS

For Slip Yokes



CUP



PLUG

Type	Outside Diameter	Length of Cup	Used On Series	Cup or Plug
Cupped	1 13/64"	1 7/64"	1100/1280	1-68-14
Welch	1 5/16"	—	1260	2-68-23
Welch	1 7/16"	—	1280/1350	3-68-23
Welch	1 9/16"	—	1350/1410	3-68-33
Flat	1 11/16"	—	1480	3-68-83
Flat	1 13/16"	—	1550	4-68-83
Flat	2 1/16"	—	1650	5-68-63
Cupped	2 3/16"	1 1/16"	1610	5-68-54
Welch	2 9/16"	—	1710/1800	6 1/2-68-13

SQUARE KEYS



Width	Length	Key Part Number
3/16" X 3/16"	1"	10-191
1/4" X 1/4"	1 1/8"	10-8
5/16" X 5/16"	7/8"	10-187
3/8" X 3/8"	1 1/4"	10-97
1/2" X 1/2"	1 1/2"	S-446
5/8" X 5/8"	1 3/4"	3 1/2-20-19
3/4" X 3/4"	1 7/8"	4-20-19
7/8" X 7/8"	2"	6-20-19
1" X 1"	2 1/8"	6-20-49
1 1/8" X 1 1/8"	2 1/4"	10-135

WOODRUFF KEYS



Width	KEY PART NUMBER	
	Woodruff	Spicer
3/16"	11	500007-19
3/16"	13	500007-22
1/4"	15	500007-24
1/4"	A	500007-21
5/16"	B	500007-25

SET SCREWS



SQUARE HEAD



ALLEN HEAD (Hexagon Socket)

Diameter	Length	TYPE		Screw Part Number
		Head	Point	
3/8" - 16	1/2"	Allen	Cup	500541-7
3/8" - 16	3/4"	Square	Cup	500570-6
3/8" - 16	3/4"	{ Square Drilled For Lock Wire }	Cup	449-D

SMALL PARTS

SHAFT NUTS

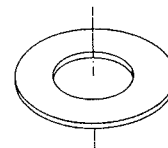
Tap Size	Width Across Flats	Thickness	Shaft Nut Part Number	Used With Cotter Pin		
				Part Number	Diameter	Length
1" - 20	1½"	½"	16-74-11	500024-11	⅛"	1¾"
1" - 20	1½"	⅞"	16-74-81	500024-9	⅛"	1½"
1¼" - 18	1⅜"	⅝"	332-J	500024-16	⅛"	2½"
1¼" - 18	2"	⅝"	230160-1	500024-16	⅛"	2½"
1¼" - 18	2⅛"	⅝"	20-74-11	500024-16	⅛"	2½"
1½" - 18	2⅜"	⅝"	24-74-21	500024-16	⅛"	2½"



SHAFT NUT

SHAFT NUT WASHERS

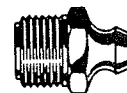
Outside Diameter	Inside Diameter	Thickness	Washer Part Number	Used With Shaft Nut
2⅛"	1⅞"	⅛"	98-216	16-74-11
2⅛"	1⅞"	⅛"	5-1288	332-J
2⅜"	1⅞"	⅜"	184-W	20-74-11
2¾"	1⅞"	⅛"	230123-6	20-74-11
2¾"	1⅞"	⅜"	828-W	20-74-11



SHAFT NUT WASHER

LUBE FITTINGS

Thread Diameter	Overall Length	Lube Fitting Part Number
⅛" - 27 P.T.F. Extra Short	2⅛"	500168-2
¼" - 28 N.F. Tapered	1⅞"	500174-1



FLANGE BOLTS, LOCK WASHERS & NUTS

Diameter & Length Under Head	Used on Series	Flange Bolt Part Number	Flange Bolt - Used With	
			Lockwasher	Nut
⅝" - 24 x 7/8"	1000/1100	5-73-414	500357-10	500371-2
⅝" - 24 x 1"	1350/1500	5-73-2216	500357-10	500371-2
⅝" - 24 x 1⅛"	1350	5-73-2217	500357-10	500371-2
⅝" - 24 x 1½"	1500	5-73-3224	500357-10	500371-2
⅜" - 24 x 1"	1260/1310	6-73-316	500357-11	500371-3
⅜" - 24 x 1⅛"	1600/1610	6-73-1219	500357-11	500371-3
⅜" - 24 x 1½"	1700/1710	6-73-220	500357-11	500371-3
⅜" - 24 x 1⅞"	1600/1610	6-73-1225	500357-11	500371-3
⅜" - 24 x 1⅞"	1650/1710	6-73-325	—	—
⅜" - 24 x 1⅞"	1650/1710	6-73-425 (Plated)	—	—
⅜" - 24 x 1⅞"	1700/1710	6-73-1227	500357-11	500371-3
7/16" - 20 x 1⅞"	1350/1410	7-73-219	500357-12	500371-4
7/16" - 20 x 1⅞"	1350/1410	7-73-321	500357-12	500371-4
7/16" - 20 x 1⅞"	1800/1810	7-73-122	500357-12	500371-4
7/16" - 20 x 1⅞"	1350/1410	7-73-125	500357-12	500371-4
7/16" - 20 x 1⅞"	1800/1810	7-73-126	—	—
7/16" - 20 x 1⅞"	1800/1810	7-73-228	500357-12	500371-4
1/2" - 20 x 1⅞"	1480/1550	8-73-122	500357-13	500371-5
1/2" - 20 x 1⅞"	1480/1550	8-73-228	500357-13	500371-5
1/2" - 20 x 1⅞"	1500	8-73-130	500357-13	500371-5
5/8" - 18 x 1⅞"	1880/1900	10-73-131	500358-15	500371-7
3/4" - 16 x 2½"	1950	12-73-140	500357-17	500371-8



FLANGE BOLT



LOCK WASHER



NUT

CENTER PLATE BOLTS

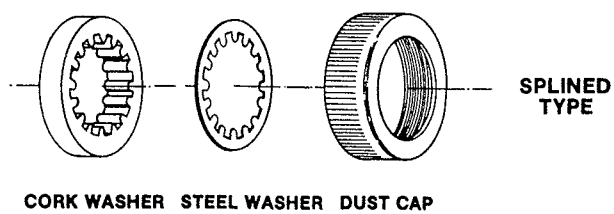
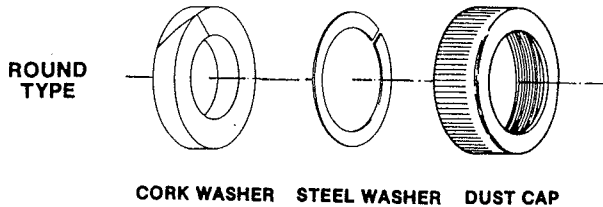
Diameter & Length Under Head	Used on Series	Bolt Part Number	Bolt - Used With	
			Lockwasher	Center Plate
1/2" - 20 x 2½"	1880	8-73-440	500358-13	{8-26-87 8-26-107
1/2" - 20 x 2½"	1880	8-73-340	—	8-26-17
1/2" - 20 x 5"	1880	8-73-180	500358-13	8-26-37



CENTER PLATE BOLT

SMALL PARTS

DUST CAP & WASHER KITS



Kit Part Number	Dust Cap & Washer Kit - Includes:				Kit Part Number	Dust Cap & Washer Kit - Includes:			
	Dust Cap	Steel Washer	Cork Washer	For Series		Dust Cap	Steel Washer	Cork Washer	For Series
D1A	1-14-29	—	1-16-23	1100	D4F	3½-14-19	4-15-43	3-16-93	1410
D1B	1-14-79	—	1-16-93	1110	D4J	4-14-69	4-15-13	4-16-143	1550
D2A	2-14-69	—	2-16-53	1000/1280	D4L	4-14-79	4-15-123	4-16-153	1550
D2B	2-14-19	2-15-13	2-16-53	1270	D5A	4-14-19	5-15-23	5-16-23	1600
D2C	3-14-39	3-15-33	3-16-43	1280/1310	D5B	4-14-19	5-15-23 (2)	5-16-23	1600
D2F	2-14-19	2-15-13	2-16-93 (R)	1270	D5C	5-14-29	5-15-33	5-16-33	1600
D2H	3-14-39	3-15-33	2-16-263 (R)	1310	D5E	5-14-39	5-15-43	5-16-53	1650
D2K	2-14-69	—	2-16-93 (R)	1280/1280	D5F	5-14-49	5-15-53	5-16-63	1650
D2L	2-14-139	—	2-16-53	1000	D5G	5-14-39	5-15-11 (2)(S)	6-16-11 (S)	1650
D2M	3-14-39	3-15-33	2-16-263 (R)	1310	D6A	6-14-29	6-15-33	6-16-53	1700
D3A	3½-14-39	3½-15-53	3-16-53	1350/1410	D6E	6-14-39	6-15-43	6-16-63	1700/1810
D3D	3-14-69	3-15-73	3-16-113	1480	D7A	6½-14-19	8-15-23	6½-16-13	1800
D3E	3-14-39	3-15-11 (S)	3-16-11 (S)	1310/1350	D8A	6½-14-19	8-15-33	8-16-33	1850
D3F	3½-14-39	3½-15-53	3-16-83 (R)	1350/1410	D9A	9-14-19	9-15-13	9-16-13	1900
D3G	3½-14-39	3-15-31 (S)	3-16-31 (S)	1350/1410	D10A	4-14-79	6-15-93	6-16-123	1700
D3H	3-14-59	3-15-63	3-16-1-3	1410/1480	D10B	4-14-79	6-15-31 (S)	6-16-143	1710
D3J	3-14-59	3-15-41 (S)	3-16-41 (S)	1480	D11A	9-14-29	9-15-23	9-16-23	2050
D3K	3½-14-39	3-15-51 (S)	3-16-51 (S)	1410					
D4A	3½-14-19	4-15-43	4-16-83	1500					
D4D	4-14-39	5-15-23	4-16-93	1500					

DUST CAPS

Inside Diameter Threaded End	Diameter of Hole		Length	Dust Cap Part Number	Inside Diameter Threaded End	Diameter of Hole		Length	Dust Cap Part Number
	Round	Spline				Round	Spline		
1½"	—	1½" - 16	21/32"	1-14-29(N)	233/64"	2½"	—	¾"	5-14-39
1½"	—	1½" - 16	21/32"	1-14-79(N)	233/32"	2¾"	—	1"	6-14-29
1 19/32"	—	1½" - 16	21/32"	2-14-69(N)	233/32"	233/64"	—	13/16"	4-14-79
1 19/32"	1 9/32"	—	5/16"	2-14-19	231/32"	233/64"	—	13/16"	4-14-79
1 19/32"	1 19/64"	—	21/32"	2-14-139	231/32"	—	2 11/16" - 18	9/16"	5-14-29
1 21/32"	1 13/32"	—	¾"	3-14-39	3 7/16"	3 1/32"	—	5/8"	5-14-49
1 25/32"	1 11/32"	—	¾"	3½-14-39	3 9/16"	3 3/32"	—	1"	6½-14-19
1 31/32"	1 19/32"	—	¾"	3-14-59	3 3/16"	3 3/32"	—	¾"	6-14-39
2 1/4"	1 49/64"	—	¾"	3½-14-19	4 11/16"	4 3/16"	—	1 1/16"	9-14-19
2 7/32"	1 49/64"	—	¾"	4-14-69	7 3/16"	5 5/16"	—	1 1/4"	9-14-29
2 7/32"	2 1/64"	—	5/8"	4-14-39					
2 7/32"	2 1/64"	—	3/4"	4-14-19					

- (2) — Two Required
- (N) — Not Threaded
- (R) — Rubber
- Splined

STEEL WASHERS

Outside Diameter	Diameter of Hole		Washer Part Number	Outside Diameter	Diameter of Hole		Washer Part Number
	Round	Spline			Round	Spline	
1/2"	1/32"	—	2-15-13	25/8"	148/64"	—	3-15-73
19/16"	15/32"	—	3-15-33	221/32"	121/32"	—	6-15-53
19/16"	—	—	3-15-11	221/32"	21/32"	—	6-15-33
111/16"	—	113/32" - 16	3-15-51	—	—	—	—
111/16"	—	117/32" - 16	3-15-31	229/32"	131/32"	—	4-15-123
111/16"	—	113/32" - 16	3-15-31	229/32"	25/32"	—	6-15-93
111/16"	19/32"	—	31/2-15-53	229/32"	25/64"	—	5-15-33
17/8"	111/32"	—	3-15-63	229/32"	29/32"	—	6-15-31
17/8"	—	119/32" - 16	3-15-41	229/32"	—	217/32" - 16	5-15-53
115/16"	17/16"	—	4-15-43	31/2"	221/64"	—	8-15-23
—	—	—	—	31/2"	27/16"	—	8-15-23
21/2"	127/64"	—	4-15-13	31/2"	29/16"	—	8-15-33
21/8"	141/64"	—	5-15-23	31/2"	29/16"	—	6-15-43
—	—	—	—	31/2"	29/32"	—	—
27/16"	141/64"	—	5-15-43	45/8"	321/32"	—	9-15-13
27/16"	—	21/32" - 15	5-15-11	7"	53/8"	—	9-15-23

CORK WASHERS

Outside Diameter	Diameter of Hole		Thickness	Washer Part Number	Outside Diameter	Diameter of Hole		Thickness	Washer Part Number
	Round	Spline				Round	Spline		
17/32"	7/8"	—	5/16"	1-16-23	233/64"	15/8"	—	3/8"	5-16-53
127/64"	7/8"	—	5/16"	1-16-93	233/64"	—	2" - 16	5/16"	5-16-11
19/16"	31/32"	—	7/32"	2-16-93 (R)	245/64"	2"	—	5/16"	6-16-53
119/32"	1"	—	5/16"	2-16-53	245/64"	123/32"	—	5/32"	3-16-113
115/16"	—	19/16" - 16	3/8"	3-16-41	228/32"	—	21/2" - 16	5/16"	6-16-143
15/8"	11/8"	—	5/16"	2-16-263 (R)	215/32"	21/2"	—	5/16"	6-16-123
141/64"	—	13/8" - 16	5/16"	3-16-11	261/64"	158/64"	—	7/16"	4-16-153
141/64"	15/32"	—	5/16"	3-16-43	231/32"	217/64"	—	7/32"	5-16-33
18/16"	17/32"	—	7/32"	3-16-83 (R)	335/64"	25/16"	—	1/4"	5-16-63
13/4"	11/4"	—	5/32"	3-16-53	335/64"	213/32"	—	1/2"	61/2-16-13
13/4"	—	11/2" - 16	5/16"	3-16-51	335/64"	21/2"	—	1/2"	8-16-33
148/64"	—	11/16" - 16	5/16"	3-16-31	335/64"	27/8"	—	5/16"	6-16-63
151/64"	13/32"	—	3/8"	3-16-103	443/64"	35/8"	—	1/2"	9-16-13
2"	113/32"	—	3/8"	3-16-93	75/32"	511/32"	—	1/2"	9-16-23
213/64"	113/32"	—	3/8"	4-16-143	—	—	—	—	—
213/64"	15/8"	—	9/32"	4-16-93	—	—	—	—	—
213/64"	15/8"	—	3/8"	5-16-23	—	—	—	—	—

(R) — Rubber