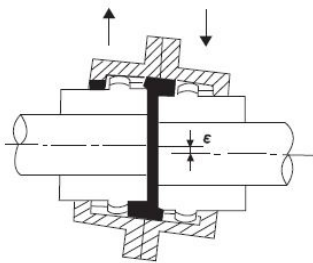


# GEAR COUPLINGS

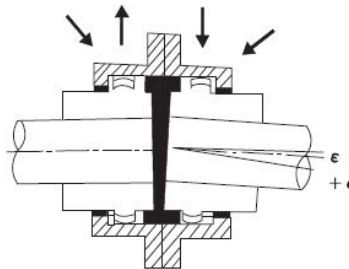
Drive Components Gear Couplings comply with AGMA Standards assuring full interchangeability. Our gear couplings compensate for angular, parallel and combination misalignment along with axial end float. The precision machined, fully crowned hub teeth result in minimum loading stress leading to longer life.



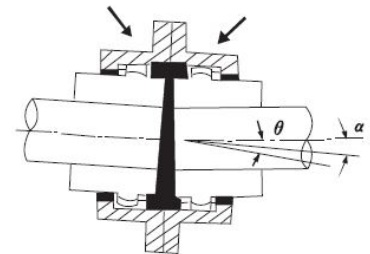
**Parallel Misalignment**



**End Float**

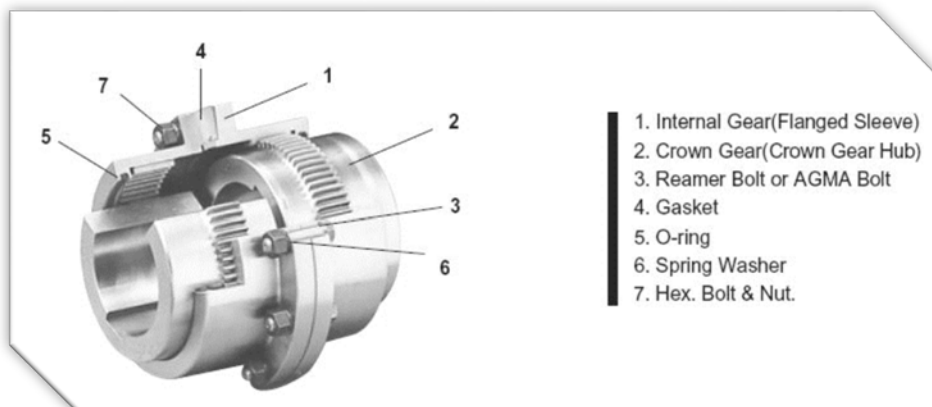


**Angular Misalignment**



Capable of 1½° misalignment per gear mesh up through size 60, 1° for larger sizes.

**Half coupling interchangeable with industry standard!**



- 1. Internal Gear(Flanged Sleeve)
- 2. Crown Gear(Crown Gear Hub)
- 3. Reamer Bolt or AGMA Bolt
- 4. Gasket
- 5. O-ring
- 6. Spring Washer
- 7. Hex. Bolt & Nut.

**High Torque**

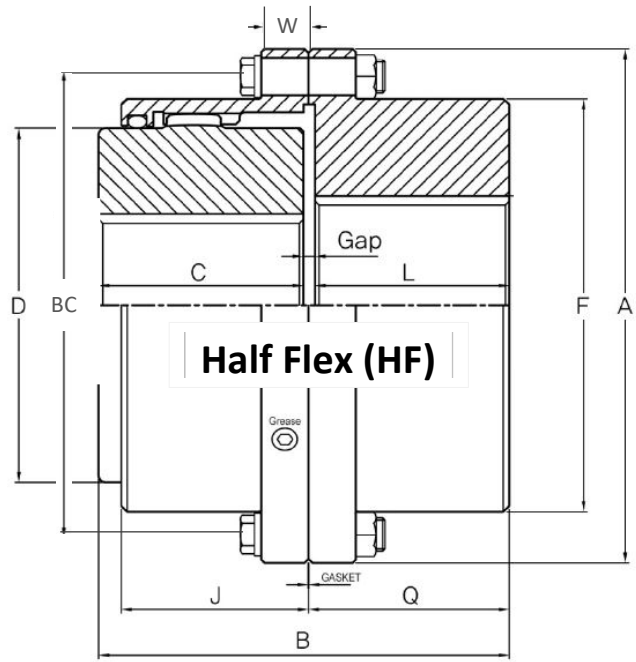
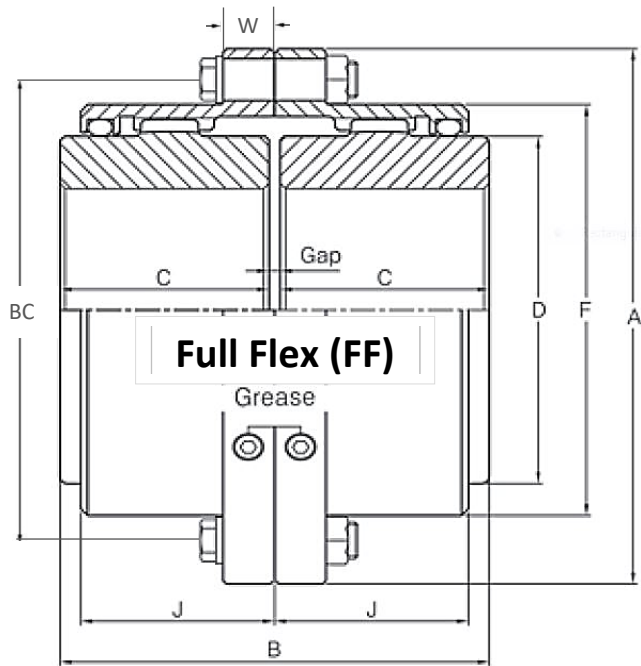
**Compact**

**Long Life**

**High Quality Gasketing**

**Easy Assembly**

**Other Configurations Available**



### Standard Flanged Sleeve - Full Flex

Size	Torque Rating (lbs-in)	Allow Speed (rpm)	Max Bore (in)	Min Bore (in)	Coupling Wt. No Bore (lbs)	Lube Weight (lbs)	Dimensions (in)							Exposed Bolt Circle	
							A	B	C	D	J	W	Gap	B.C.	# Bolt - Diameter
10FF	10,090	8000	1.938	0.500	10	0	4.56	3.50	1.69	2.70	1.53	0.55	0.12	0.55	6 - 0.250
15FF	20,799	6500	2.500	0.750	20	0	6.00	4.00	1.94	3.40	1.88	0.75	0.12	0.75	8 - 0.375
20FF	37,793	5600	3.063	1.000	35	0	7.00	5.00	2.44	4.14	2.34	0.75	0.12	0.75	6 - 0.500
25FF	66,115	5000	3.813	1.250	65	0	8.37	6.26	3.03	5.14	2.82	0.75	0.20	0.75	6 - 0.625
30FF	107,094	4400	4.313	1.500	95	1	9.44	7.38	3.59	6.00	3.30	0.86	0.20	0.86	8 - 0.625
35FF	163,739	3900	5.250	2.000	150	1	11.00	8.62	4.19	7.00	3.84	0.86	0.24	0.86	8 - 0.750
40FF	270,833	3600	6.250	2.500	215	2	12.50	9.74	4.75	8.25	4.38	1.12	0.24	1.12	8 - 0.750
45FF	371,731	3200	7.188	3.000	300	2	13.63	10.93	5.31	9.25	4.84	1.12	0.31	1.12	10 - 0.750
50FF	500,952	2900	7.813	3.500	421	4	15.31	12.37	6.03	10.00	5.54	1.50	0.31	1.50	8 - 0.875
55FF	654,955	2650	8.625	4.000	549	5	16.75	13.56	6.62	11.00	6.22	1.50	0.31	1.50	14 - 0.875
60FF	800,107	2450	9.563	4.500	675	7	18.00	15.13	7.41	12.00	6.66	1.00	0.31	1.00	14 - 0.875
70FF	1,194,851	2150	11.375	5.000	1069	10	20.75	17.78	8.69	14.00	7.70	1.00	0.39	1.00	16 - 1.000

### Standard Flanged Sleeve - Half Flex

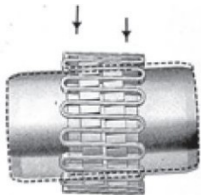
Size	Torque Rating (lbs-in)	Allow Speed (rpm)	Max Bore (in)		Min Bore (in)	Coupling Wt. No Bore (lbs)	Lube Weight (lbs)	Dimensions (in)										Exposed Bolt Circle	
			Flex Hub	Rigid Hub				A	B	C	D	F	J	L	Q	W	Gap	B.C.	# Bolt - Diameter
10HF	10,090	8,000	1.938	2.500	0.500	10	0.05	4.56	3.41	1.69	2.70	3.30	1.53	1.56	1.66	0.55	0.16	0.55	6 - 0.250
15HF	20,799	6,500	2.500	3.125	0.750	20	0.09	6.00	3.92	1.94	3.40	4.14	1.88	1.82	1.92	0.75	0.16	0.75	8 - 0.375
20HF	37,793	5,600	3.063	3.813	1.000	35	0.15	7.00	4.90	2.44	4.14	4.98	2.34	2.30	2.40	0.75	0.16	0.75	6 - 0.500
25HF	66,115	5,000	3.813	4.625	1.250	60	0.26	8.37	6.12	3.03	5.14	6.10	2.82	2.90	3.00	0.75	0.20	0.75	6 - 0.625
30HF	107,094	4,400	4.313	5.500	1.500	95	0.40	9.44	7.24	3.59	6.00	7.10	3.30	3.46	3.56	0.86	0.20	0.86	8 - 0.625
35HF	163,739	3,900	5.250	6.375	2.000	150	0.60	11.00	8.43	4.19	7.00	8.32	3.84	4.02	4.12	0.86	0.24	0.86	8 - 0.750
40HF	270,833	3,600	6.250	7.688	2.500	220	1.03	12.50	9.56	4.75	8.25	9.66	4.38	4.54	4.70	1.12	0.28	1.12	8 - 0.750
45HF	371,731	3,200	7.188	8.500	3.000	300	1.23	13.63	10.75	5.31	9.25	10.79	4.84	5.14	5.30	1.12	0.31	1.12	10 - 0.750
50HF	500,952	2,900	7.813	9.250	3.500	430	2.00	15.31	12.17	6.03	10.00	12.04	5.54	5.80	6.00	1.50	0.35	1.50	8 - 0.875
55HF	654,955	2,650	8.625	10.438	4.000	580	2.49	16.75	13.76	6.62	11.00	13.16	6.22	6.80	7.00	1.50	0.35	1.50	14 - 0.875
60HF	800,107	2,450	9.563	11.375	4.500	714	3.75	18.00	15.16	7.41	12.00	14.41	6.66	7.34	7.60	1.00	0.39	1.00	14 - 0.875
70HF	1,194,851	2,150	11.375	13.375	5.000	1120	5.00	20.75	17.86	8.69	14.00	16.73	7.70	8.67	9.00	1.00	0.51	1.00	16 - 1.000

#### Stocking Warehouse Location

19579 Progress Drive - Suite A Strongsville, Ohio 44149

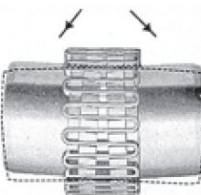
Phone: (440) 234-6200 • Fax: (440) 234-1200 • Email: sales@drivecomponentsllc.com

# GRID COUPLINGS



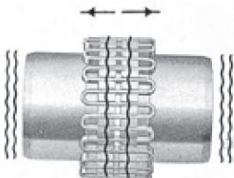
### Parallel Misalignment

The movement of the grid in the lubricated grooves accommodates parallel misalignment.



### Angular Misalignment

Under angular misalignment, the grid-groove design permits rocking and sliding action of the lubricated grid and hubs without any loss of power through the resilient grid.



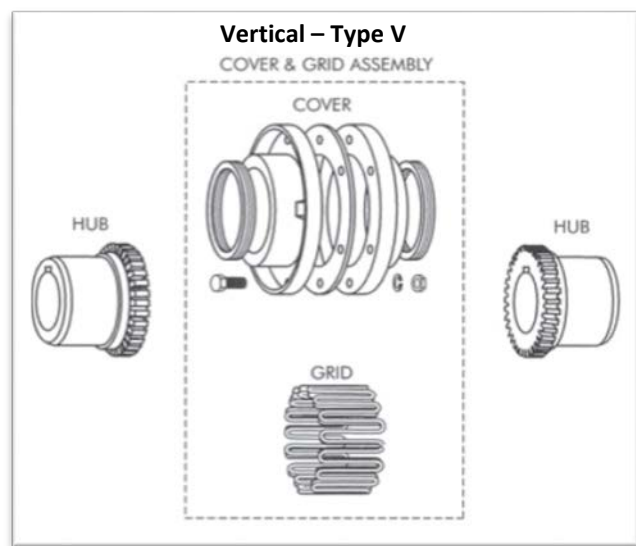
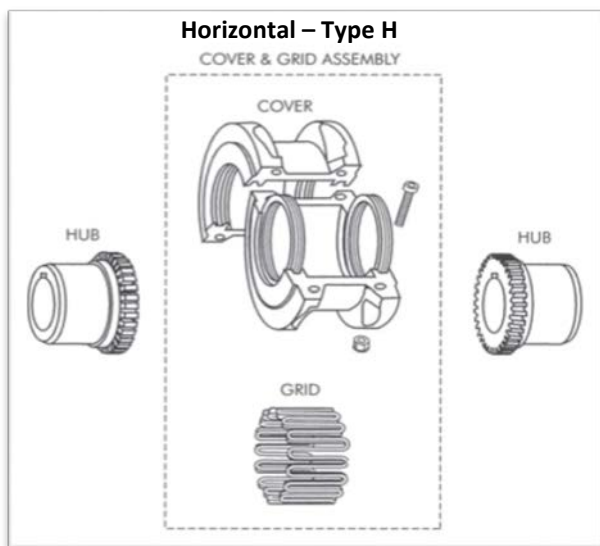
### End Float

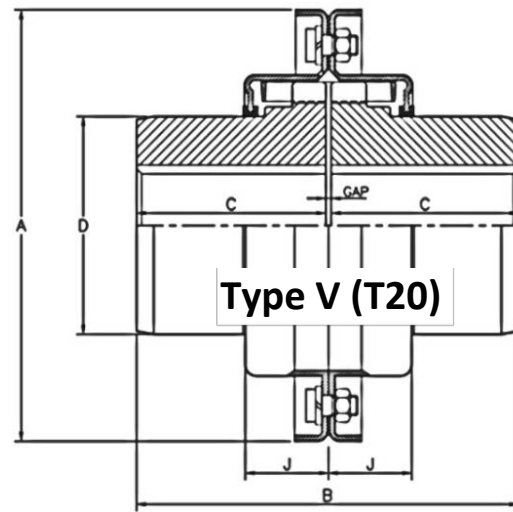
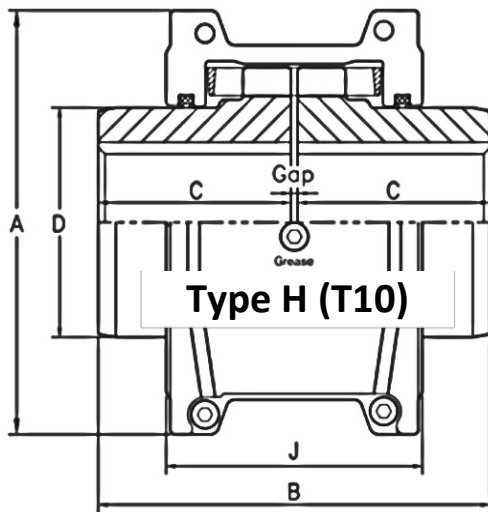
Unrestrained end float of driving and driven members is permitted because the grid slides freely in the lubricated grooves.

### Torsional Flexibility

Torsional flexibility of Taper Grid Couplings can dampen vibration and shock by 30% or more.

Interchangeable with industry standard grid couplings!





### Type H (Horizontal Split - T10)

Size	Torque Rating (lbs-in)	Allow Speed (rpm)	Max Bore (in)	Min Bore (in)	Coupling Weight No Bore (lbs)	Lube Weight (lbs)	Dimensions (in)					
							A	B	C	D	J	Gap
1020	460	4,500	1.0625	0.5000	4	0.06	3.82	3.87	1.87	1.56	2.63	0.12
1030	1,319	4,500	1.3750	0.5000	6	0.09	4.16	3.87	1.87	1.94	2.69	0.12
1040	2,204	4,500	1.6875	0.5000	7	0.12	4.50	4.12	2.00	2.25	2.75	0.12
1050	3,850	4,500	1.9375	0.5000	12	0.15	5.32	4.87	2.37	2.63	3.19	0.12
1060	6,054	4,350	2.1875	0.7500	16	0.19	5.82	5.12	2.50	3.00	3.68	0.12
1070	8,798	4,125	2.6250	0.7500	23	0.25	6.25	6.12	3.00	3.44	3.81	0.12
1080	18,144	3,600	3.1250	1.0625	39	0.38	7.50	7.12	3.50	4.13	4.55	0.12
1090	33,013	3,600	3.6875	1.0625	56	0.56	8.31	7.87	3.87	4.87	4.81	0.12
1100	55,583	2,440	4.3125	1.6250	93	0.94	9.88	9.69	4.75	5.59	6.12	0.20
1110	82,489	2,250	4.6875	1.6250	120	1.12	10.62	10.20	5.00	6.31	6.36	0.20
1120	121,255	2,025	5.5000	2.3750	179	1.62	12.12	11.98	5.87	7.06	7.54	0.24
1130	176,130	1,800	6.6875	2.6250	267	2.00	13.62	12.98	6.37	8.56	7.68	0.24
1140	253,131	1,650	7.8125	2.6250	392	2.49	15.12	14.74	7.25	10.00	7.92	0.24
1150	352,260	1,500	8.4375	4.2500	516	4.30	17.84	14.64	7.20	10.60	10.69	0.24

### Type V (Vertical Split - T20)

Size	Torque Rating (lbs-in)	Allow Speed (rpm)	Max Bore (in)	Min Bore (in)	Coupling Weight No Bore (lbs)	Lube Weight (lbs)	Dimensions (in)					
							A	B	C	D	J	Gap
1020	460	6,000	1.0625	0.5000	4	0.06	4.42	3.87	1.87	1.56	0.94	0.12
1030	1,319	6,000	1.3750	0.5000	6	0.09	4.80	3.87	1.87	1.94	0.98	0.12
1040	2,204	6,000	1.6875	0.5000	7	0.12	5.11	4.12	2.00	2.25	1.02	0.12
1050	3,850	6,000	1.9375	0.5000	12	0.15	5.86	4.87	2.37	2.63	1.20	0.12
1060	6,054	6,000	2.1875	0.7500	15	0.19	6.42	5.12	2.50	3.00	1.25	0.12
1070	8,798	5,500	2.6250	0.7500	22	0.25	6.86	6.12	3.00	3.44	1.32	0.12
1080	18,144	4,750	3.1250	1.0625	39	0.38	7.92	7.12	3.50	4.13	1.72	0.12
1090	33,013	4,000	3.6875	1.0625	56	0.56	9.17	7.87	3.87	4.87	1.85	0.12
1100	55,583	3,250	4.3125	1.6250	93	0.94	10.55	9.69	4.75	5.59	2.35	0.20
1110	82,489	3,000	4.6875	1.6250	120	1.12	11.30	10.20	5.00	6.31	2.47	0.20
1120	121,255	2,700	5.5000	2.3750	180	1.62	12.61	11.98	5.87	7.06	2.90	0.24
1130	176,130	2,400	6.6875	2.6250	269	2.00	14.92	12.98	6.37	8.56	2.95	0.24
1140	253,131	2,200	7.8125	2.6250	397	2.49	16.42	14.74	7.25	10.00	3.08	0.24
1150	352,260	2,000	8.4375	4.2500	507	4.30	18.75	14.64	7.20	10.60	4.22	0.24

\* Larger sizes available upon request

#### Stocking Warehouse Location

19579 Progress Drive - Suite A Strongsville, Ohio 44149

Phone: (440) 234-6200 • Fax: (440) 234-1200 • Email: sales@drivecomponentsllc.com

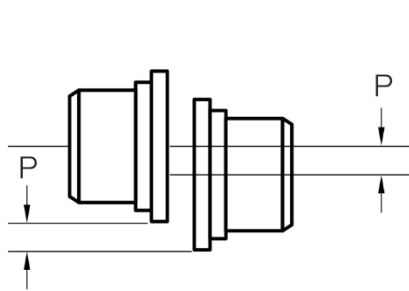
## TIRE COUPLINGS

FULLY INTERCHANGEABLE WITH INDUSTRY STANDARD

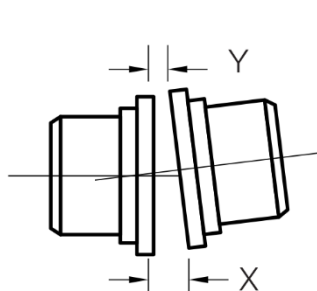
- No lubrication required
- Simple, proven design
- Quick tire replacement without displacing equipment, less-down-time
- Torsionally elastic – excellent shock and vibration absorbing properties
- Electrically isolates driver and driven shafts reducing bearing failure
- Flanges with tapered bushings for ease of installation



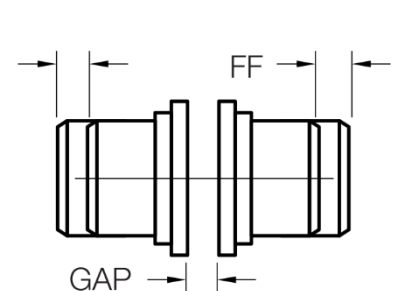
### COMPENSATE FOR SHAFT MISALIGNMENT



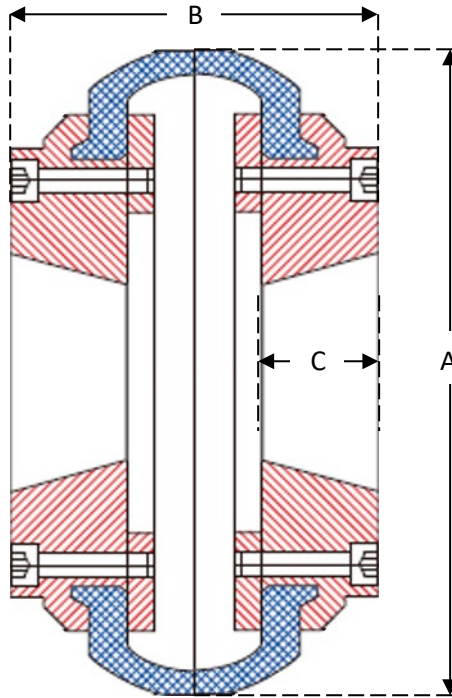
PARALLEL



ANGULAR



AXIAL MOVEMENT



Dimensional Outline

Tire Coupling								
Size <sup>1</sup>	Torque Rating (lbs-in)	Max RPM	Max Bore (in)	Dimensions (in)			Bushings <sup>2</sup>	Flange <sup>3</sup> Fastener
				A	B	C		
DC40H	420	5,500	1	4.10	2.70	0.88	1008	M5
DC50H	900	4,500	1-1/4	5.25	2.90	1.00	1210	M6
DC60H	1,800	4,000	1-11/16	6.50	3.30	1.00	1610	M6
DC70H	2,200	3,600	2-1/8	7.36	3.50	1.25	2012	M8
DC80H	3,550	3,100	2-11/16	8.31	4.50	1.75	2517	M8
DC90H	4,425	2,800	2-11/16	9.25	4.60	1.75	2517	M10
DC100H	5,900	2,600	3-1/4	10.00	5.00	2.00	3020	M10
DC110H	7,780	2,300	3-1/4	11.00	5.00	2.00	3020	M10
DC120H	12,500	2,100	3-15/16	12.36	6.00	2.50	3525	M12
DC140H	27,500	1,840	3-15/16	14.10	7.00	2.50	3525	M12
DC160H	37,500	1,560	4-7/16	16.00	8.00	3.00	4030	M16
DC180H	55,500	1,500	4-15/16	18.50	9.00	3.50	4535	M16
DC200H	82,500	1,300	4-15/16	20.00	10.00	3.50	4535	M16

<sup>1</sup> Flanges are Type H, with wide end of the bushing mounted outboard - Type F available

<sup>2</sup> Flanges are machined for, but less, taper lock bushings

<sup>3</sup> Please note: our flanges utilize metric fasteners

**Stocking Warehouse Location**

19579 Progress Drive - Suite A Strongsville, Ohio 44149

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