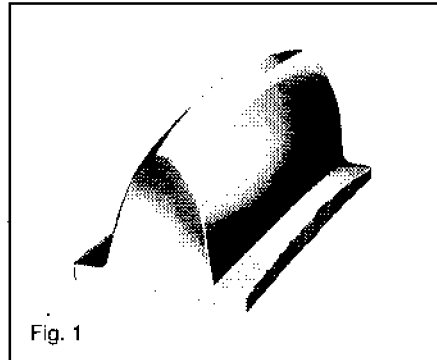


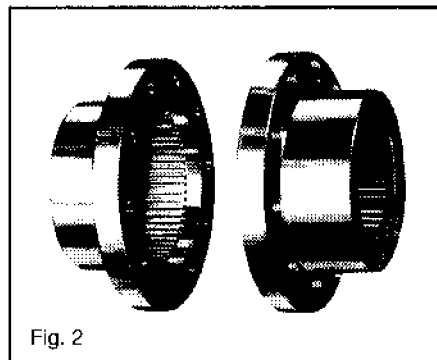
Gear Coupling Selection Guide

Amerigear® Design Advantages

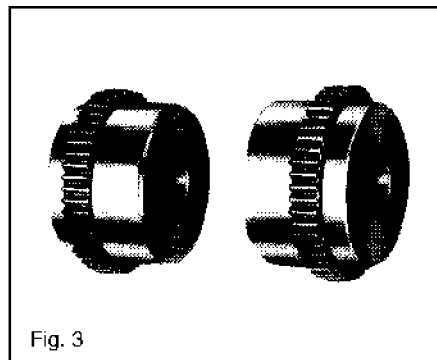
Amerigear Fully-Crowned Teeth (Fig. 1) Crowned Flanks, Crowned Tips, Crowned Chamfers – recognized as the ultimate in gear tooth design and the secret of superior mechanical power transmission! Increased tooth contact area improves the load-carrying capacity of the teeth regardless of operating conditions and provides “ball-and-socket” piloting action at all misalignments. As a result, connected equipment is able to operate at higher torques, speeds, and misalignments with resultant longer life.



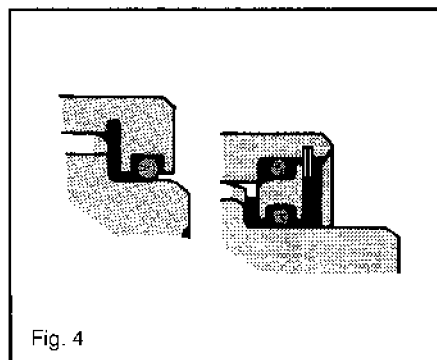
Rigid, strong, “floating” sleeve (Fig. 2) A floating sleeve, containing internally-cut gear teeth at opposite ends, is made from medium carbon steel. In effect, it provides a “bridge” between driving and driven gear meshes. It can be furnished as a continuous, one-piece sleeve . . . or made in two halves and bolted together.



Precision-machined identical hubs (Fig. 3) Two identical hubs, machined to close tolerances, contain external Fully-Crowned Gear Teeth which totally engage internal teeth of the sleeve. Uniqueness of Fully-Crowned Teeth enables coupling to operate longer, with minimum backlash, and assurance of free axial movement of connected shafts.



Positive dust-tight seals (Fig. 4) Buna-N O-ring seals keep contamination out . . . vital lubricant in. Designed to accommodate temperatures up to 250°F. For temperatures of 400°F continuous and 550°F for short periods, Viton O-ring seals are available. These are easily installed without removing coupling hub and sleeve from shafting.



Gear Coupling Selection Guide

AMERIDRIVES AMERIGEAR			KOPFLEX									FALK						SYSTEMS COMPONENTS						SHROUDED BOLT PATTERN		EXPOSED BOLT PATTERN		FLANGE DIAMETER					
200 SERIES ± 1 1/2'			FAST ± 1/2'			SERIES H ± 3/4'			WALDRON ± 1/2'			1000 G ± 1/8'			LIFELIGN GF ± 1/8'			POWERTORK F (O RING) ± 3/4'			POWERTORK SR (METAL SEAL)			D9C	#- SIZE	D9C	#- SIZE						
SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	D9C	#- SIZE	D9C	#- SIZE
200	.81	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.94
201	1.25	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.56
201.25	1.63	7.6	1	-	-	1 H	1.63	7.56	1 W	1.63	6.3	1010 G	1.88	7.6	1 GF	1.62	7.6	1	1.63	9.8	-	-	-	-	-	-	-	-	-	-	-	-	4.00
201.5	2.25	17.0	1 1/2	1.63	17.0	1 1/2 H	2.25	17.0	1 1/2 W	2.19	15.1	1015 G	2.38	17.0	1 1/2 GF	2.12	18.9	1 1/2	2.19	19.5	1 1/2	1.63	25.2	4.81	8-3/8	4.81	8-3/8	4.81	8-3/8	4.81	8-3/8	6.00	
202	2.75	31.5	2	2.13	31.5	2 H	2.75	31.5	2 W	2.75	31.5	1020 G	2.88	31.5	2 GF	2.75	31.5	2	2.75	32.1	2	2.13	47.3	5.81	10-3/8	5.88	6-1/2	7.00	6-1/2	7.00	7.00		
202.5	3.50	53.6	2 1/2	2.75	56.7	2 1/2 H	3.50	56.7	2 1/2 W	3.25	56.7	1025 G	3.62	56.7	2 1/2 GF	3.25	56.7	2 1/2	3.50	56.7	2 1/2	2.75	85.0	7.00	10-1/2	7.12	6-5/8	8.38	6-5/8	8.38	8.38		
203	4.00	94.5	3	3.13	100.8	3 H	4.00	100.8	3 W	4.00	94.5	1030 G	4.12	94.5	3 GF	4.00	101.0	3	4.00	96.0	3	3.13	151.0	8.00	12-1/2	8.12	8-5/8	9.44	8-5/8	9.44	9.44		
203.5	4.50	142.0	3 1/2	3.75	148.0	3 1/2 H	4.50	148.0	3 1/2 W	4.75	144.9	1035 G	4.88	144.9	3 1/2 GF	4.50	151.3	3 1/2	4.63	151.0	3 1/2	3.75	221.0	9.28	12-5/8	9.50	8-3/4	11.00	8-3/4	11.00	11.00		
204	5.50	214.0	4	4.25	236.2	4 H	5.50	236.2	4 W	5.38	220.5	1040 G	5.75	220.5	4 GF	5.38	236.0	4	5.50	240.0	4	4.25	353.0	10.62	14-5/8	11.00	8-3/4	12.50	8-3/4	12.50	12.50		
204.5	6.25	324.0	4 1/2	4.75	318.1	4 1/2 H	6.00	318.1	4 1/2 W	6.00	302.4	1045 G	6.75	302.4	4 1/2 GF	6.00	324.0	4 1/2	6.00	315.0	4 1/2	4.75	473.0	11.75	14-5/8	12.00	10-3/4	13.62	10-3/4	13.62	13.62		
205	6.63	416.0	5	5.50	441.0	5 H	6.88	441.0	5 W	6.75	409.5	1050 G	7.38	409.5	5 GF	6.50	441.0	5	6.88	447.0	5	5.50	662.0	13.19	14-3/4	13.50	8-7/8	15.31	8-7/8	15.31	15.31		
205.5	7.50	561.0	5 1/2	5.88	579.6	5 1/2 H	7.75	579.6	5 1/2 W	7.50	535.5	1055 G	8.25	535.5	5 1/2 GF	7.75	580.0	5 1/2	7.75	583.0	5 1/2	5.88	870.0	14.44	16-3/4	14.50	14-7/8	16.56	14-7/8	16.56	16.56		
206	8.25	750.0	6	6.50	759.1	6 H	8.63	759.1	6 W	8.25	693.0	1060 G	9.12	693.0	6 GF	8.75	759.0	6	8.75	756.0	6	6.50	1134.0	-	-	15.75	14-7/8	18.00	14-7/8	18.00	18.00		
207	9.63	1033.0	7	8.00	1159.2	7 H	10.38	1159.2	7 W	9.25	1006.0	1070 G	10.88	1006.0	7 GF	9.75	1116.0	7	10.38	1166.0	7	8.00	1739.0	-	-	18.25	16-1	20.75	16-1	20.75	20.75		

*ALL TORQUE RATINGS X(10)³ IN. .LBS

AMERIDRIVES AMERIGEAR			ZURN AMERIGEAR			RENOLD/AJAX						DECK/POOLE						SIER-BATH			FALK			WALDRON			FLANGE DIAMETER						
200 SERIES ± 1 1/2'			100 SERIES ± 1 1/2'			O RING SEAL ± 1 1/2'			METAL SEAL ± 1 1/2'			MXB ± 1/2'			100 SERIES ± 1/2'			SERIES F ± 1 1/2'			SERIES G			SERIES A ± 1/2'									
SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	SIZE	BORE	TORQUE*	
200	.81	1.9	100	.812	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.94
201	1.25	3.2	101	1.25	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.56
201.25	1.63	7.6	101 1/4	1.62	7.6	108	1.63	8.0	-	-	-	1	1.63	6.3	-	-	-	F 1	1.63	4.8	10 G	1.88	5.0	1 1/4 A	1.38	3.78	4.00	1 1/4 A	1.38	3.78	4.00	4.00	
201.5	2.25	17.0	101 1/2	2.00	18.9	158	2.13	20.0	156	1.75	20.0	1 1/2	2.19	15.12	150	1.50	9.9	F 1 1/2	2.13	8.9	15 G	2.38	15.1	1 1/2 A	-	-	6.00	1 1/2 A	-	-	6.00	6.00	
202	2.75	31.5	102	2.62	31.5	208	2.75	35.0	206	2.25	35.0	2	2.75	31.5	200	2.00	23.6	F 2	2.75	23.9	20 G	2.88	31.5	2 A	2.12	13.2	7.00	2 A	2.12	13.2	7.00	7.00	
202.5	3.50	53.6	102 1/2	3.12	53.6	258	3.25	60.0	256	2.75	60.0	2 1/2	3.25	56.7	250	2.50	44.7	F 2 1/2	3.25	34.5	25 G	3.63	56.7	2 1/2 A	2.62	28.3	8.38	2 1/2 A	2.62	28.3	8.38	8.38	
203	4.00	94.5	103	3.75	94.5	308	4.00	100.0	306	3.25	100.0	3	4.00	94.5	300	3.00	73.7	F 3	4.00	55.7	30 G	4.13	94.5	3 A	3.19	54.8	9.44	3 A	3.19	54.8	9.44	9.44	
203.5	4.50	142.0	103 1/2	4.38	126	356	4.50	150.0	356	3.75	150.0	3 1/2	4.75	144.9	350	3.50	118.4	F 3 1/2	4.63	86.6	35 G	4.88	126.0	3 1/2 A	3.75	94.5	11.00	3 1/2 A	3.75	94.5	11.00	11.00	
204	5.50	214.0	104	5.00	189	406	5.38	270.0	406	4.25	270.0	4	5.38	220.5	400	4.00	159.4	F 4	5.38	123.9	40 G	5.75	189.0	4 A	4.25	141.6	12.50	4 A	4.25	141.6	12.50	12.50	
204.5	6.25	324.0	104 1/2	5.38	252	456	6.00	370.0	456	4.75	370.0	4 1/2	6.00	302.4	450	4.50	238.1	F 4 1/2	6.00	198.2	45 G	6.50	267.7	4 1/2 A	4.75	230.0	13.62	4 1/2 A	4.75	230.0	13.62	13.62	
205	6.63	416.0	105	6.00	347	508	6.63	500.0	506	5.50	500.0	5	6.75	409.5	500	5.00	292.3	5	6.50	337.8	50 G	7.00	368.5	5 A	5.50	330.7	15.31	5 A	5.50	330.7	15.31	15.31	
205.5	7.50	561.0	105 1/2	6.50	472	556	7.50	650.0	556	6.25	650.0	5 1/2	7.50	535.5	550	6.25	439.7	F 5 1/2	7.38	389.5	55 G	7.75	491.4	5 1/2 A	6.00	451.7	16.56	5 1/2 A	6.00	451.7	16.56	16.56	
206	8.25	750.0	106	7.38	630	608	8.13	750.0	606	7.00	750.0	6	8.25	693.0	600	7.31	674.1	F 6	8.00	554.5	60 G	8.75	630.0	6 A	6.62	606.0	18.00	6 A	6.62	606.0	18.00	18.00	
207	9.63	1033.0	107	8.75	882	708	9.63	925.0	706	8.25	925.0	7	9.25	1006.0	700	8.38	1055.3	F 7	9.00	900.0	70 G	10.00	1008.0	7 A	7.50	716.3	20.75	7 A	7.50	716.3	20.75	20.75	

*ALL TORQUE RATINGS X(10)³ IN. .LBS