

DODGE TIGEAR 2 RENEWAL PARTS DATA BOOK

QUILL, ADAPTABLE & SEPERATE INPUT, SOLID & HOLLOW SHAFT OUPUT



Manual H-106 is a comprehensive parts service reference tool for Tigear 2 Reducers.

Featured in this publication:

Accessories in exploded view

Balloon parts list drawings with related part number data

Comprehensive listing of service kits summarized in a new quick-pick format.

Gear charts

Gear lube information

See Table of Contents for complete listing.

For additional part number and repair kit information visit our [Dodge Online Catalog - Renewal Parts](#) link located in [ptplace.com](#).

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PARTSERVICESM

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DODGE Tigear 2

Renewal Parts Data Book

Quill, Adaptable & Separate Input, Solid & Hollow Shaft Output



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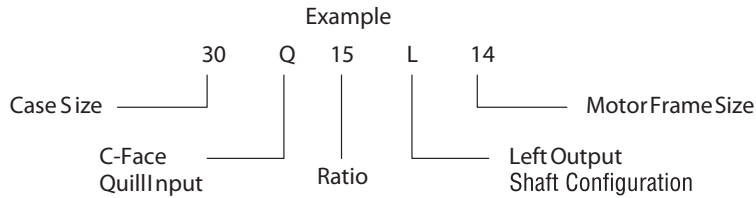
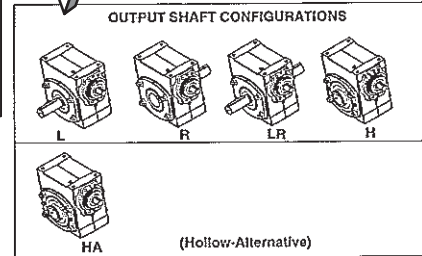
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Reducer Nomenclature and Part Number

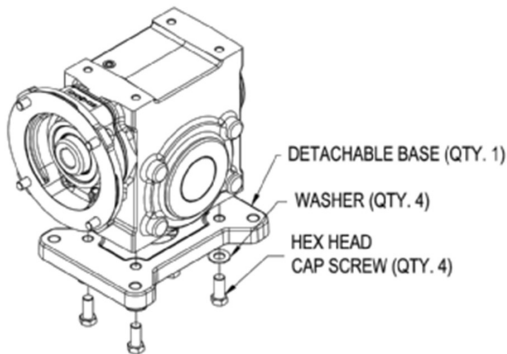
Size	Input Style	WashdownOption	Ratio	Output	Motor Frame
13 = 1.33 c.d. 18 = 1.5 c.d. 17 = 1.75 c.d. 20 = 2.00 c.d. 23 = 2.31 c.d. 26 = 2.62 c.d. 30 = 3.00 c.d. 35 = 3.50 c.d. 40 = 4.00 c.d. 47 = 4.75 c.d.	Q Quill S Separate A Adapter Assembly 3 piece coupled style	Z E-Z Kleen S Ultra Kleen	05 07 10 12 15 18 20 25 30 40 50 60	L R LR H HA	56 = 56C 14 = 140TC 18 = 180TC 21 = 210TC 25 = 250TC



ACCESSORIES - Tigear 2

See Dodge Engineering Catalog when further detail is required.

Bolt-On Base Kit



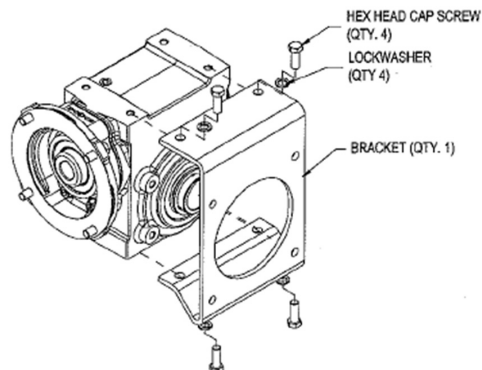
All Tigear 2 reducers are drilled & tapped top and bottom but do not include base. Base kits below also includes mounting hardware.

Reducer Size	Standard Kit No.	Top Mount Spacer	E-Z Kleen Kit No.	Ultra Kleen Stainless
13	13BASE		13ZBASE	
15	15BASE		15ZBASE	
17	17BASE		17ZBASE	17SBASE
20	20BASE		20ZBASE	
23	23BASE	2326SPACER	23ZBASE	23SBASE
26	26BASE	2326SPACER	26ZBASE	
30	30BASE	3035 SPACER	30ZBASE	30SBASE
35	35BASE	3035SPACER	35ZBASE	35SBASE
40	40BASE	40SPACER		
47	47BASE			

Output Bracket Kit - Fabricated

Use to mount reducers to a flat surface perpendicular to the output shaft.

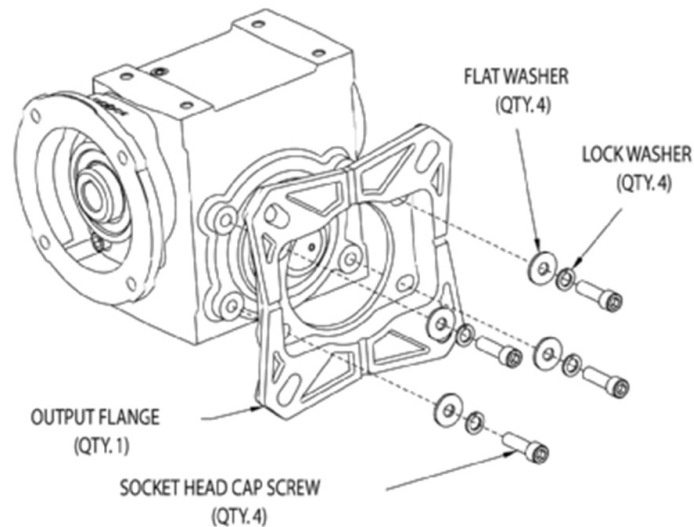
Reducer Size	Standard Kit No.
13	13BRACKET
15	15BRACKET
17	17BRACKET
20	20BRACKET
23	23BRACKET
26	26BRACKET
30	30BRACKET
35	35BRACKET
40	40BRACKET
47	47BRACKET



Output Flange Kit - Cast Aluminum

Use to mount hollow shaft reducers to a flat surface perpendicular to the output hub.

Reducer	Standard	E-Z Kleen	Ultra Kleen
Size	Kit No.	Kit No.	Stainless
13-15	N/A	N/A	N/A
17	17FLANGE	17ZFLANGE	17SFLANGE
20	20FLANGE	20ZFLANGE	N/A
23-26	2326FLANGE	2326ZFLANGE	23SFLANGE
30-35	3035 FLANGE	3035ZFLANGE	3035SFLANGE
40-47	N/A	N/A	N/A



Hollow Output Bushing Kits

Standard Straight Bore

Standard Grip Tight

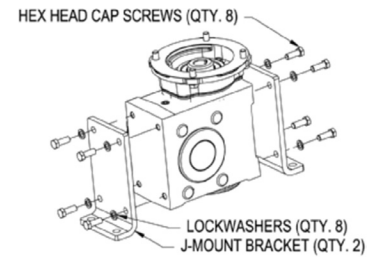


Reducer Size	Max Bore	Bushing Bore	Standard		Stainless Steel	
			Grip Tight	Straight Bore	Grip Tight	Straight Bore
13	3/4"					
15	3/4"					
17	1"					
20	1-1/4"	1"		20BUSH100		20SBUSH100
23-26	1-7/16"	1"		2326BUSH100		2326SBUSH100
		1-3/16"		2326BUSH103		2326SBUSH103
		1-1/4"		2326BUSH104		2326SBUSH104
		1-3/8"	3035BUSH106		3035SBUSH106	
30-35	1-15/16"	1-7/16"	3035BUSH107		3035SBUSH107	
		1-1/2"	3035BUSH108		3035SBUSH108	
		1-11/16"		3035BUSH111		3035SBUSH111
		1-1/2"	40TBUSH108			
40	2-3/16"	1-11/16"	40TBUSH111			
		1-15/16"	47TBUSH115			
		2-3/16"	47TBUSH203			

See Dodge Gear Catalog for alternative maximum bore availability.

J-Mount Base Kits

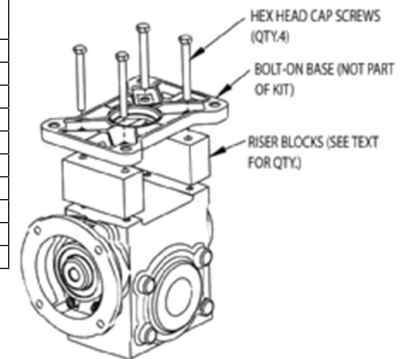
Reducer Size	Standard Kit No.	E-Z Kleen Kit No.
13	13JMOUNT	13ZJMOUNT
15	15JMOUNT	15ZJMOUNT
17	17JMOUNT	17ZJMOUNT
20	20JMOUNT	20ZJMOUNT
23	23JMOUNT	23ZJMOUNT
26	26JMOUNT	26ZJMOUNT
30	30JMOUNT	30ZJMOUNT
35	35JMOUNT	35ZJMOUNT
40	40JMOUNT	
47	47JMOUNT	



Riser Block Kits

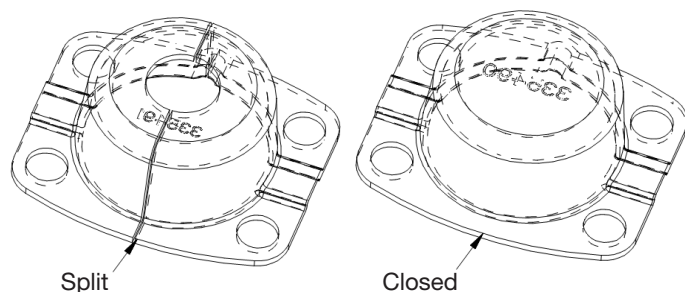
Riser blocks will create clearance over the motor.

Reducer Size	Standard Kit No.	E-Z Kleen Kit No.
13	13RISER	13ZRISER
15	15RISER	15ZRISER
17	17RISER	17ZRISER
20	20RISER	20ZRISER
23	23RISER	23ZRISER
26	26RISER	26ZRISER
30	30RISER	30ZRISER
35	35RISER	35ZRISER
40	40RISER	
47	47RISER	



Safety Covers For Hollow Output

Safety Cover Kits enclose the rotating shaft on hollow output reducers. Kits will fit reducers equipped with GRIP TIGHT, standard straight-bore bushings or hollow output without bushing.

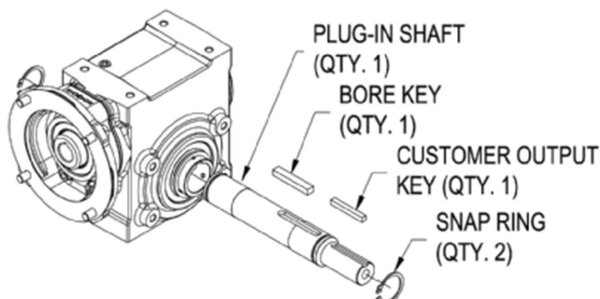


Case Size	Cover Style	Kit Part Number
17	Closed	17CLSDCOVER
	Open	17OPENCOVER
20	Closed	20CLSDCOVER
	Open	20OPENCOVER
23	Closed	23CLSDCOVER
	Open	23OPENCOVER
26	Closed	26CLSDCOVER
	Open	26OPENCOVER
30	Closed	30CLSDCOVER
	Open	30OPENCOVER
35	Closed	35CLSDCOVER
	Open	35OPENCOVER
40	Closed	40CLSDCOVER
	Open	40OPENCOVER

Plug-In Output Shaft Kit

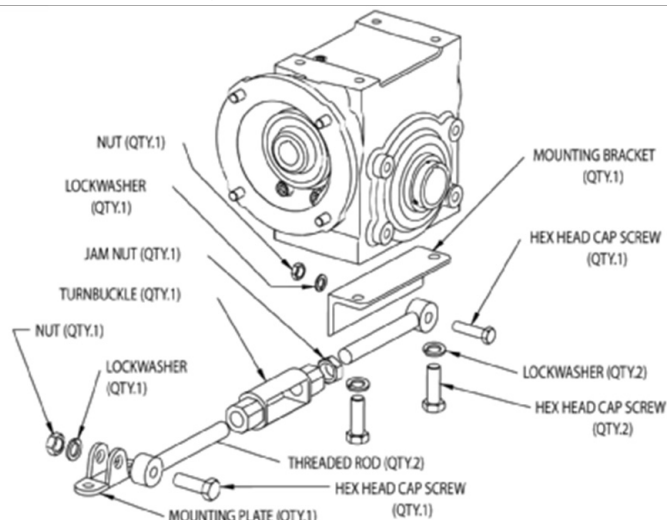
Converts hollow output to solid output shaft. Use only with max bore reducers. Kit includes shaft, retaining rings and keys.

Case Size	Kit Part Number
13	13PLUGIN
15	15PLUGIN
17	17PLUGIN
20	20PLUGIN
23	23PLUGIN
26	26PLUGIN
30	30PLUGIN
35	35PLUGIN
40	40PLUGIN
47	47PLUGIN



Tie Rod Kit

Kit includes reducer mounting bracket, tie rods, turnbuckle, fulcrum and mounting hardware.



	Qty	13	15	17	20-23
Tie rod kit content:	1	13TIEROD	15TIEROD	17TIEROD	2023TIEROD
T-A Bracket	1	278424	278425	335494	334647
Rod End RH	1	278680	278680	278680	278682
Rod End LH	1	278681	278681	278681	278683
Turnbuckle	1	278685	278685	278685	278686
Fulcrum	1	278687	278687	278687	241249
Hardware Kit	1	237084HW	237084HW	237085HW	237086HW

	Qty	26	30	35	40	47
Tie rod kit content:	1	26TIEROD	30TIEROD	35TIEROD	40TIEROD	47TIEROD
T-A Bracket	1	278428	335495	335496	335497	334647
Rod End RH	1	278682	278682	278682	334827	334827
Rod End LH	1	278683	278683	278683	334828	334828
Turnbuckle	1	278686	278686	278686	243246	243246
Fulcrum	1	241249	241249	241249	243249	243249
Tie Rod Bushing	2				335499	335499
Hardware Kit	1	237086HW	237087HW	237087HW	237088HW	237088HW

DODGE Tigear 2 Bearing Kits

SIZES 13 - 47

Adaptable & Separate Input - Hollow Output - AH/SH

Size	Bearing Kit P/N	Brg Input Side	Brg Opp Input	Brg Output (qty 2)
13-AH/SH	13AHBRGKIT	224211	334218	41162601A
15-AH/SH	15AHBRGKIT	334211	334218	41162601A
17/176-AH/SH	17AHBRGKIT	334212	334219	335338
20/202-AH/SH	20AHBRGKIT	334212	334219	335339
23-AH/SH	23AHBRGKIT	334213	334220	335340
26-AH/SH	26AHBRGKIT	334213	334221	41162601BJ
30-AH/SH	30AHBRGKIT	334214	334222	335341
35-AH/SH	35AHBRGKIT	334215	334223	335341
40-AH/SH	40AHBRGKIT	334216	334224	335342
47-AH/SH	47AHBRGKIT	334216	334225	335343

Adaptable & Separate Input - Solid Output - AS/SS

Size	Bearing Kit P/N	Brg Input Side	Brg Opp Input	Brg Output (qty 2)
13-AS/SS	13ASBRGKIT	334211	334218	335337
15-AS/SS	15ASBRGKIT	334211	334218	335337
17/176-AS/SS	17ASBRGKIT	334212	334219	41162601C
20/202-AS/SS	20ASBRGKIT	334212	334219	41162601A
23-AS/SS	23ASBRGKIT	334213	334220	41162601A
26-AS/SS	26ASBRGKIT	334213	334221	41162601A
30-AS/SS	30ASBRGKIT	334214	334222	335338
35-AS/SS	35ASBRGKIT	334215	334223	41162601R
40-AS/SS	40ASBRGKIT	334216	334224	335340
47-AS/SS	47ASBRGKIT	334216	334225	335344

Quill Input - Solid Output - QS

Size	Bearing Kit P/N	Brg Input Side	Brg Opp Input	Brg Output (qty 2)
13-QS	13QSBRGKIT		334218	335337
15-QS	15QSBRGKIT		334218	335337
17/176-QS	17QSBRGKIT		334219	41162601C
20/202-QS	20QSBRGKIT		334219	41162601A
23-QS	23QSBRGKIT		334220	41162601A
26-QS	26QSBRGKIT		334221	41162601A
30-QS	30QSBRGKIT		334222	335338
35-QS	35QSBRGKIT		334223	41162601R
40-QS	40QSBRGKIT		334224	335340
47-QS	47QSBRGKIT		334225	335344

Quill Input - Hollow Output - QH

Size	Bearing Kit P/N	Brg Input Side	Brg Opp Input	Brg Output (qty 2)
13-QH	13QHBRGKIT	-----	334218	41162601A
15-QH	15QHBRGKIT	-----	334218	41162601A
17/176-QH	17QHBRGKIT	-----	334219	335338
20/202-QH	20QHBRGKIT	-----	334219	335339
23-QH	23QHBRGKIT	-----	334220	335340
26-QH	26QHBRGKIT	-----	334221	41162601BJ
30-QH	30QHBRGKIT	-----	334222	335341
35-QH	35QHBRGKIT	-----	334223	335341
40-QH	40QHBRGKIT	-----	334224	335342
47-QH	47QHBRGKIT	-----	334225	335343

DODGE Tigear 2 Adaptable 3-Pc Coupled Input

C-Face Adapter Assembly

C-face kit includes all component items listed following kit part number.

56C Frame

POS # HOLLOW O/P	POS # SOLID O/P	DESCRIPTION	QTY	REDUCER SIZE			
				13-15	17-20	23-26-30	35
		KIT PART NUMBER		1315MTR56	1720MTR56	2330MTR56	35MTR56
1	1	INPUT KEY	1	333831	333831	333831	333831
15	17	O-RING, NITRILE	1	334304	334304	276355	276355
17	19	CAD PLTD SCREW	4	417371	417371	417111	334895
18	20	MED LOCKWASHER	4	333781	333781	333782	275855
19	21	T2 ADPT. M. ADPTR	1	333236	333236	333237	334757
27	27	DUST CAP 1" HOLE	1	41170965H	41170965H	41170965H	41170965H
28	28	MOTOR GASKET	1	60202843F	60202843F	60202843F	60202843F
31	31	COUPLING SPIDER	1	278911	278911	278911	278912
32	32	5/8 COUPLING HUB-MOTOR	1	278900	278900	278900	334306
33	33	COUPLING - REDUCER	1	334309	278900	278901	276169
43	40	LOCK WASHER	4	275803	275803	275803	275803
44	41	3/8-16 X 1 HHCS PLN ZC	4	051929	051929	051929	051929



140TC Frame

POS # HOLLOW O/P	POS # SOLID O/P	DESCRIPTION	QTY	REDUCER SIZE				
				13-15	17-20	23-26-30	35	40-47
		KIT PART NUMBER		1315MTR14	1720MTR14	2330MTR14	35MTR14	4047MTR14
1	1	INPUT KEY	1	333831	333831	333831	333831	333831
15	17	O-RING, NITRILE	1	334304	334304	276355	276355	276355
17	19	CAD PLTD SCREW	4	417371	417371	417111	334895	334895
18	20	MED LOCKWASHER	4	333781	333781	333782	275855	275855
19	21	T2 ADPT. M. ADPTR	1	333236	333236	333237	334757	334757
27	27	DUST CAP 1" HOLE	1	41170965H	41170965H	41170965H	41170965H	41170965H
28	28	MOTOR GASKET	1	60202843F	60202843F	60202843F	60202843F	60202843F
31	31	COUPLING SPIDER	1	278911	278912	278912	278912	275794
32	32	7/8 COUPLING HUB-MOTOR	1	278901	276169	276169	276169	275806
33	33	COUPLING - REDUCER	1	334309	334306	276169	276169	278907
43	40	LOCK WASHER	4	275803	275803	275803	275803	275803
44	41	3/8-16 X 1 HHCS PLN ZC	4	051929	051929	051929	051929	051929

180TC Frame

POS # HOLLOW O/P	POS # SOLID O/P	DESCRIPTION	QTY	REDUCER SIZE		
				23-26-30	35	40-47
		KIT PART NUMBER		2330MTR18	35MTR18	4047MTR18
1	1	INPUT KEY	1	333827	333827	333827
15	17	O-RING, NITRILE	1	276355	276355	276355
17	19	CAD PLTD SCREW	4	417111	334373	334373
18	20	MED LOCKWASHER	4	333782	333783	333783
19	21	T2 ADPT. M. ADPTR 180	1	334683	333239	333239
27	27	DUST CAP 1" HOLE	1	411709-65-H	411709-65-H	411709-65-H
28	28	MOTOR GASKET	1	276335	276335	276335
31	31	COUPLING SPIDER	1	275794	275794	275794
32	32	1-1/8 COUPLING HUB-MOTOR	1	278907	278907	278907
33	33	COUPLING - REDUCER	1	275806	275806	278907
43	40	LOCK WASHER	4		275853	275853
44	41	SOCKET HEAD CAP SCREW	4	411631-58-X	334900	334900

210TC Frame

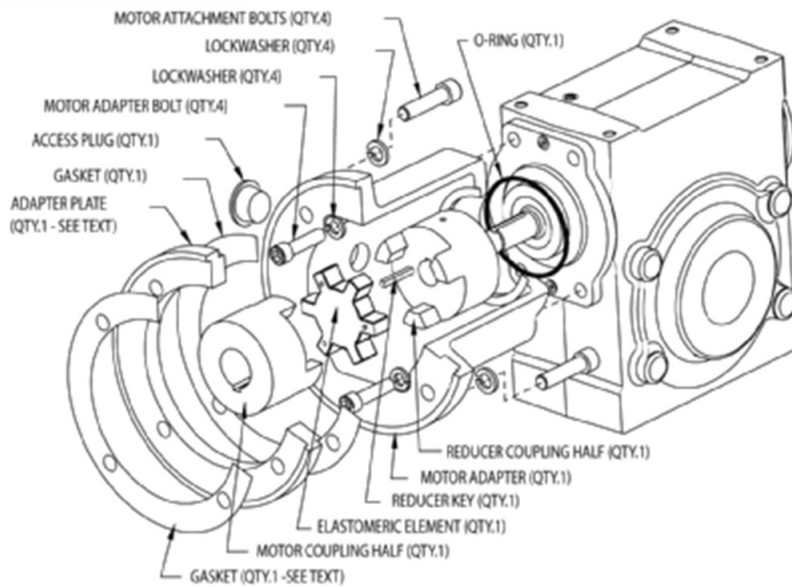
POS # HOLLOW O/P	POS # SOLID O/P	DESCRIPTION	QTY	REDUCER SIZE	
				35	40-47
		KIT PART NUMBER		35MTR21	4047MTR21
1	1	INPUT KEY	1	086654	086654
15	17	O-RING, NITRILE	1	276355	276355
17	19	CAD PLTD SCREW	4	334373	334373
18	20	MED LOCKWASHER	4	333783	333783
19	21	T2 ADPT. M. ADPTR 180	1	333239	333239
		MOTOR ADAPTER PLATE (1)	1	334571	334571
27	27	DUST CAP 1" HOLE	1	411709-65-H	411709-65-H
28	28	MOTOR GASKET	1	276335	276335
31	31	COUPLING SPIDER	1	334291	334291
32	32	1-3/8 COUPLING HUB-MOTOR	1	334286	334286
33	33	COUPLING - REDUCER	1	334285	334290
43	40	LOCK WASHER	4	275853	275853
44	41	HEX HEAD CAP SCREW	4	334902	334902

250TC Frame

POS # HOLLOW O/P	POS # SOLID O/P	DESCRIPTION	QTY	REDUCER SIZE
				40-47
		KIT PART NUMBER		4047MTR25
1	1	INPUT KEY	1	333828
15	17	O-RING, NITRILE	1	276355
17	19	CAD PLTD SCREW	4	334373
18	20	MED LOCKWASHER	4	333783
19	21	T2 ADPT. M. ADPTR 180	1	333239
		MOTOR ADAPTER PLATE (1)	1	334570
27	27	DUST CAP 1" HOLE	1	411709-65-H
28	28	MOTOR GASKET	1	276335
31	31	COUPLING SPIDER	1	334291
32	32	1-5/8 COUPLING HUB-MOTOR	1	334288
33	33	COUPLING - REDUCER	1	334290
43	40	LOCK WASHER	4	275853
44	41	HEX HEAD CAP SCREW	4	334901

(1) 250TC adapter plate bolts onto 180 adapter 333239.

Motor Adapter Kit



NOTE: Quill C-Face adapters are not provided as an assembly. See applicable basic parts page for part number information.

DODGE Tigear 2 Gear Chart

Quill Input QH & QS Series

Worm shaft part number includes worm assembled with single piece coupling & coupling key. Coupling bored to match motor shaft diameter.

Ratio	13-QS & QH			15-QS & QH			17-QS & QH			
	56C Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	56C Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	56C Worm Shaft	140TC Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335105	333440	333520	335115	333450	333530	335125	335135	333460	333540
7.5	335106	333441	333521	335116	333451	333531	335126	335136	333461	333541
10	335107	333442	333522	335117	333452	333532	335127	335137	333462	333542
15	335108	333443	333523	335118	333453	333533	335128	335138	333463	333543
20	335109	333444	333524	335119	333454	333534	335129	335139	333464	333544
25	335110	333445	333525	335120	333455	333535	335130		333465	333545
30	335111	333446	333526	335121	333456	333536	335131		333466	333546
40	335112	333447	333527	335122	333457	333537	335132		333467	333547
50	335113	333448	333528	335123	333458	333538	335133		333468	333548
60	335114	333449	333529	335124	333459	333539	335134		333469	333549

Ratio	20-QS & QH				23-QS & QH				
	56C Worm Shaft	140TC Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	56C Worm Shaft	140TC Worm Shaft	180TC Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335140	335152	333470	333551	335160	335170	335178	333480	333562
7.5	335141	335153	333471	333552	335161	335171	335179	333481	333563
10	335142	335154	333472	333553	335162	335172	335180	333482	333564
12.67	335143	335155	334006	334008					
15	335144	335156	333473	333554	335163	335173		333483	333565
18	335145	335157	334013	334016					
20	335146	335158	333474	333556	335164	335174		333484	333566
25	335147	335159	333475	333557	335165	335175		333485	333567
30	335148		333476	333558	335166	335176		333486	333568
40	335149		333477	333559	335167	335177		333487	333569
50	335150		333478	333560	335168			333488	333571
60	335151		333479	333561	335169			333489	333572

Ratio	26-QS & QH					30-QS & QH				
	56C Worm Shaft	140TC Worm Shaft	180TC Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	56C Worm Shaft	140TC Worm Shaft	180TC Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335181	335193	335205	333490	333573	335211	335221	335231	333500	333583
7.5	335182	335194	335206	333491	333574	335212	335222	335232	333501	333584
10	335183	335195	335207	333492	333575	335213	335223	335233	333502	333585
12.67	335184	335196	335208	334007	334009					
15	335185	335197	335209	333493	333576	335214	335224	335234	333503	333586
18	335186	335198	335210	334014	334017					
20	335187	335199		333494	333577	335215	335225	335235	333504	333587
25	335188	335200		333495	333578	335216	335226	335236	333505	333588
30	335189	335201		333496	333579	335217	335227		333506	333589
40	335190	335202		333497	333580	335218	335228		333507	333591
50	335191	335203		333498	333581	335219	335229		333508	333592
60	335192	335204		333499	333582	335220	335230		333509	333593

Ratio	35-QS & QH					
	56C Worm Shaft	140TC Worm Shaft	180TC Worm Shaft	210TC Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335237	335248	335259	335268	333510	333594
7.5	335238	335249	335260	335269	333511	333595
10	335239	335250	335261	335270	333512	333596
12.67	335240	335251	335262		334015	334018
15	335241	335252	335263		333513	333597
20	335242	335253	335264		333514	333598
25	335243	335254	335265		333515	333599
30	335244	335255	335266		333516	333600
40	335245	335256	335267		333517	333601
50	335246	335257			333518	333602
60	335247	335258			333519	333603

Ratio	40-QS & QH						47-QS & QH					
	140TC Worm Gear	180TC Worm Gear	210TC Worm Gear	250TC Worm Gear	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	140TC Worm Gear	180TC Worm Gear	210TC Worm Gear	250TC Worm Gear	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335271	335281	335291	335296	334530	334542	335298	335308	335318	335325	334595	334607
7.5	335272	335282	335292	335297	334531	334543	335299	335309	335319	335326	334596	334608
10	335273	335283	335293		334532	334544	335300	335310	335320	335327	334597	334609
15	335274	335284	335294	335871	334533	334545	335301	335311	335321		334599	334611
20	335275	335285	335295		334534	334546	335302	335312	335322		334601	334613
25	335276	335286			334535	334547	335303	335313	335323		334602	334614
30	335277	335287			334536	334548	335304	335314	335324		334603	334615
40	335278	335288			334537	334549	335305	335315			334604	334616
50	335279	335289			334538	334550	335306	335316			334605	334617
60	335280	335290			334539	334551	335307	335317			334606	334618

Adaptable & Separate Input Ah - AS - SS - SH

Worm shaft part number includes worm assembled with a coupling adapter.

Ratio	13-AH-AS-SS-SH			15-AH-AS-SS-SH			17-AH-AS-SS-SH		
	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335000	333440	333520	335010	333450	333530	335020	333460	333540
7.5	335001	333441	333521	335011	333451	333531	335021	333461	333541
10	335002	333442	333522	335012	333452	333532	335022	333462	333542
15	335003	333443	333523	335013	333453	333533	335023	333463	333543
20	335004	333444	333524	335014	333454	333534	335024	333464	333544
25	335005	333445	333525	335015	333455	333535	335025	333465	333545
30	335006	333446	333526	335016	333456	333536	335026	333466	333546
40	335007	333447	333527	335017	333457	333537	335027	333467	333547
50	335008	333448	333528	335018	333458	333538	335028	333468	333548
60	335009	333449	333529	335019	333459	333539	335029	333469	333549

Ratio	20-AH-AS-SS-SH			23-AH-AS-SS-SH			26-AH-AS-SS-SH		
	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335030	333470	333551	335042	333480	333562	335052	333490	333573
7.5	335031	333471	333552	335043	333481	333563	335053	333491	333574
10	335032	333472	333553	335044	333482	333564	335054	333492	333575
12.67	335033	334006	334008				335055	334007	334009
15	335034	333473	333554	335045	333483	333565	335056	333493	333576
18	335035	334013	334016				335057	334014	334017
20	335036	333474	333556	335046	333484	333566	335058	333494	333577
25	335037	333475	333557	335047	333485	333567	335059	333495	333578
30	335038	333476	333558	335048	333486	333568	335060	333496	333579
40	335039	333477	333559	335049	333487	333569	335061	333497	333580
50	335040	333478	333560	335050	333488	333571	335062	333498	333581
60	335041	333479	333561	335051	333489	333572	335063	333499	333582

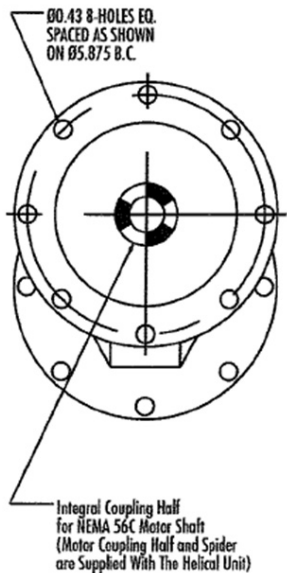
Ratio	30-AH-AS-SS-SH			35-AH-AS-SS-SH			40-AH-AS-SS-SH		
	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335064	333500	333583	335074	333510	333594	335085	334530	334542
7.5	335065	333501	333584	335075	333511	333595	335086	334531	334543
10	335066	333502	333585	335076	333512	333596	335087	334532	334544
12.67				335077	334015	334018			
15	335067	333503	333586	335078	333513	333597	335088	334533	334545
20	335068	333504	333587	335079	333514	333598	335089	334534	334546
25	335069	333505	333588	335080	333515	333599	335090	334535	334547
30	335070	333506	333589	335081	333516	333600	335091	334536	334548
40	335071	333507	333591	335082	333517	333601	335092	334537	334549
50	335072	333508	333592	335083	333518	333602	335093	334538	334550
60	335073	333509	333593	335084	333519	333603	335094	334539	334551

Ratio	47-AH-AS-SS-SH		
	Worm Shaft	Solid Shaft Worm Gear	Hollow Shaft Worm Gear
5	335095	334595	334607
7.5	335096	334596	334608
10	335097	334597	334609
15	335098	334599	334611
20	335099	334601	334613
25	335100	334602	334614
30	335101	334603	334615
40	335102	334604	334616
50	335103	334605	334617
60	335104	334606	334618

Helical Attachment

DODGE Tigear 2

Replacement parts not available. Replace complete attachment.



Lube Capacity

Liters	0.05
Oz	1.69

Couplings

Motor Half	333824
Element	333825

Coupling Note: Reducer coupling half is factory mounted and not available as a replacement part. Replace complete attachment.

DODGE Tigear 2 Lubrication

The DODGE TIGEAR-2 reducer is factory filled with a synthetic lubricant which eliminates costly preparation time normally required to put a reducer into service. The lubricant supplied is a high performance, H1 food grade lubricant, suitable for all mounting positions. When reducer selections are properly service factored to account for the thermal limitations of the reducer, the standard lubricant covers an operating ambient temperature range of -10°F to 165°F. No other lubricant available on the market provides the outstanding wear protection and thermal abilities of the factory-filled lubricant. Other lubricants, including Mobil SHC series lubricant, must not be mixed with the factory supplied lubricant.

Low Temperature Lubricant

For operating ambient temperature ranges from -10°F to -30°F, order Low Temperature Lubricant at the time of reducer order. The low temperature lubricant has all of the high performance features of the standard temperature lubricant, but has been modified for lower temperatures. Contact Application Engineering for temperatures below -30°F.

Approximate Oil Volumes

Reducer Configuration	Lube Capacity By Reducer Size									
	13	15	17	20	23	26	30	35	40	47
(QH) Quill Input Hollow Output Shaft	6 oz.	7 oz.	11 oz.	14 oz.	21 oz.	28 oz.	44 oz.	60 oz.		
(QS) Quill Input Solid Output Shaft	6 oz.	7 oz.	12 oz.	15 oz.	23 oz.	32 oz.	48 oz.	66 oz.	97 oz.	176 oz.
Separate or 3-Piece Coupled Input (AH & SH) Hollow Output Shaft	9 oz.	10 oz.	15 oz.	21 oz.	28 oz.	38 oz.	59 oz.	82 oz.		
Separate or 3-Piece Coupled Input (AS & SS) Solid Output Shaft	9 oz.	11 oz.	18 oz.	23 oz.	32 oz.	44 oz.	70 oz.	94 oz.	144 oz.	266 oz.

Factory recommended Tigear Lubricant may be ordered from Dodge. Minimum volume is one quart (32 oz.). Use the following table to determine part number.

Standard Temperature Range

Volume	Quart	Gallon
	32 oz	128 oz
Part No.	334863	334862

Low Temperature Range

Volume	Quart	Gallon
	32 oz	128 oz
Part No.	334861	334860

DODGE Touch-Up Paint - Aerosol Spray

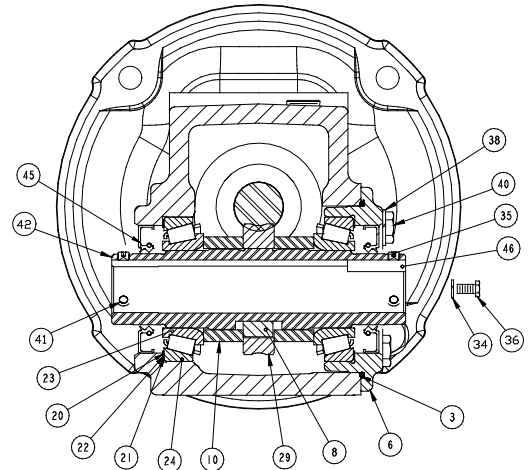
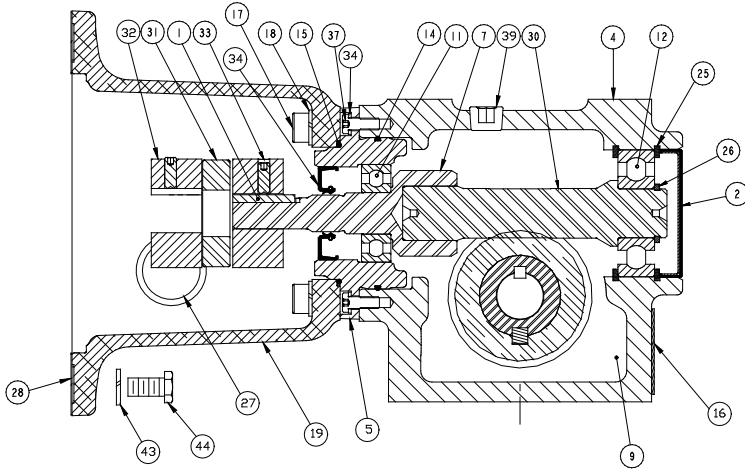
Restore original factory Reliance Blue-Green enamel paint. Perfect for touch-up after service or repair. Also available in epoxy white and stainless steel for wash down applications.

Part No.	Volume	Description
6810001	12 oz	Dodge Blue-Green Enamel
6810002	12 oz	Epoxy White
6810003	13 oz	Stainless Steel



Tigear 2 Parts List Drawing

Adaptable Hollow Shaft (AH) - All Sizes



SIZES 13 - 23

Ref No	Description	Qty	13-AH	15-AH	17-AH	20-AH	23-AH
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333830	333830	333831	333831	333831
2	INPUT BORE PLUG	1	335603	335603	335600	335600	335601
3	O-RING	1	336366	336366	335508	276355	334312
4	TIG2 HOLLOW GEARCASE	1	333218	333219	333220	333221	333222
5	T2 I/P BRG CARRIER	1	333245	333245	333246	333246	333249
6	T2 HOLLOW BRG HOUSING	1	333281	333281	333282	333283	333284
7	TIG2 SEP INPUT SHAFT ADAPTER	1	Input coupling adapter is assembled to worm shaft. See Gear Chart				
8	GEAR KEY	1	333650	333650	333666	333671	333686
9	Tigear 2 LUBRICANT	1	334863	334863	334863	334863	334863
10	TIG2 HOLLOW O/P SPACER	2	333733	333734	333735	333736	333737
11	BALL BEARING	1	334211	334211	334212	334212	334213
12	BALL BEARING	1	334218	334218	334219	334219	334220
13	TIG2 SEAL, INPUT	1	334270	334270	334271	334271	334272
14	O-RING, NITRILE	1	334300	334300	334300	334300	334303
15	O-RING, NITRILE	1	334304	334304	334304	334304	276355
16	NAMEPLATE T2	1	334305	334305	334305	334305	334305
17	CAD PLTD SCREW 56-140	4	417371	417371	417371	417371	417111
	CAD PLTD SCREW 180-210-250	4					
18	MED LOCKWASHER	4	419010	419010	419010	419010	275803
19	T2 ADPT. M. ADPTR 56-140	1	333236	333236	333236	333236	333237
	MOTOR ADPT 180TC	1					334683
20-22	SHIM KIT	1	411623-33-B	411623-33-B	335330	411623-33-C	335331
23-24	BEARING CUP/CONE ASSEMBLY	2	411626-01-A	411626-01-A	335338	335339	335340
25	INT RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
26	EXT RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
27	DUST CAP 1" HOLE	1	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q
28	56/140 M/A GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MOTOR GASKET 180-210	1					276335
29	TIG2 HOLLOW GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
30	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
31	SPIDER 56C	1	278911	278911	278911	278911	278911
	SPIDER 140TC	1			278912	278912	278912
	SPIDER 180TC	1					275794
	SPIDER 210-250	1					
32	5/8 COUPLING HUB-MOTOR 56C	1	278900	278900	278900	278900	278900
	7/8 COUPLING HUB-MOTOR 140TC	1			276169	276169	276169
	1-1/8 COUPLING HUB-MTR 180TC	1					278907
	1-3/8 COUPLING HUB-MTR 210TC	1					
	1-5/8 COUPLING HUB-MTR 250TC	1					
33	COUPLING - REDUCER 56C	1	334309	334309	278900	278900	278901
	COUPLING - REDUCER 140TC	1			334306	334306	276169
	COUPLING - REDUCER 180TC	1					275806
	COUPLING - REDUCER 210-250	1					
34	MED LOCKWASHER	4	419007	419007	419007	419007	419009
35	SET SCREW	2	400140	400140	400140	400140	400140
36	HHCS GR5 ZC	2	58270	58270	333800	333800	51302
37	LHCS PLAIN	2	333808	333808	333808	333808	333807
38	MED LOCKWASHER	4	419009	419009	419010	419010	275803
39	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
40	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
41	SET SCREW	4	275953	275953	275953	275953	275953
42	HOLLOW OUTPUT SHAFT	1	333629	333629	333631	334789	333633
43	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 210	4					
	LOCK WASHER 250	4					
44	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929	51929	51929
	SOCKET HEAD CAP SCR 180	4					41163158X
	HEX HD CAP SCREW 210	4					
	HEX HD CAP SCREW 250	4					
45	SEAL Tigear 2, OUTPUT	2	334273	334273	334274	334276	334277
46	OUTPUT KEY	2	333831	333831	334897	333827	333687

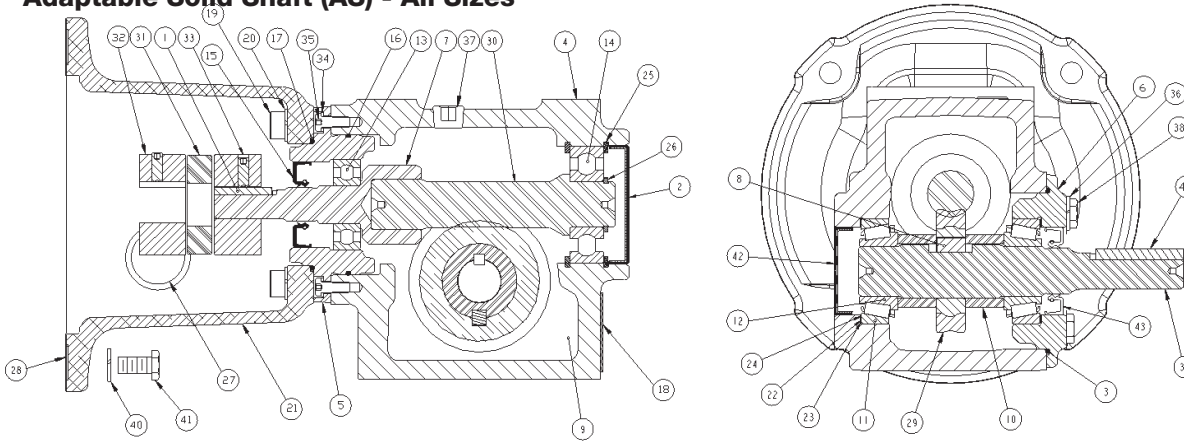
SIZES 26-47

Ref No	Description	Qty	26-AH	30-AH	35-AH	40-AH	47-AH
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	INPUT BORE PLUG	1	335609	335602	335604	335610	335613
3	O-RING	1	334302	334308	276358	334313	334315
4	TIG2 HOLLOW GEARCASE	1	333223	333224	333225	334507	334577
5	T2 I/P BRG CARRIER	1	333249	333250	333253	334508	334508
6	T2 HOLLOW BRG HOUSING	1	333285	333286	333287	334512	334582
7	TIG2 SEP INPUT SHAFT ADAPTER	1	Input coupling adapter is assembled to worm shaft. See Gear Chart				
8	GEAR KEY	1	333670	333712	333717	334564	334624
9	Tigear 2 LUBRICANT	1	334862	334862	334862	334862	334862
10	TIG2 HOLLOW O/P SPACER	2	333738	333739	333740	334566	334626
11	BALL BEARING	1	334213	334214	334215	334216	334216
12	BALL BEARING	1	334221	334222	334223	334224	334225
13	TIG2 SEAL, INPUT	1	334272	334272	334272	334274	334274
14	O-RING, NITRILE	1	334303	334303	334314	334314	334314
15	O-RING, NITRILE	1	276355	276355	276355	276355	276355
16	NAMEPLATE T2	1	334305	334305	334305	334305	334305
17	CAD PLTD SCREW 56-140	4	417111	417111	334895		
	CAD PLTD SCREW 180-210-250	4			334373	334373	334373
18	MED LOCKWASHER	4	275803	275803	275855	333783	333783
	T2 ADPT. M. ADPTR 56-140	1	333237	333237	334757	334757	
19	MOTOR ADPT. 180TC	1	334683	334683	333239	333239	333239
	MTR ADPT PLT-BOLT ON 210 (2)	1			334571	334571	334571
	MTR ADPT PLT-BOLT ON 250 (2)	1				334570	334570
20-22	SHIM KIT	1	335332	335333	335333	335334	335335
23-24	BEARING CUP/CONE ASSEMBLY	2	41162601BJ	335341	335341	335342	335343
25	INT RING	2	278715	411637-02-AC	278717	51334	51335
26	EXT RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
27	DUST CAP 1" HOLE	1	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q
	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F		
28	MOTOR GASKET 180-210	1	276335	276335	276335	276335	276335
29	TIG2 HOLLOW GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
30	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
	SPIDER 56C	1	278911	278911			
31	SPIDER 140TC	1	278912	278912	278912	278907	
	SPIDER 180TC	1	275794	275794	275794	275794	275794
	SPIDER 210-250	1			334291	334291	334291
	5/8 COUPLING HUB-MOTOR 56C	1	278900	278900			
32	7/8 COUPLING HUB-MOTOR 140TC	1	276169	276169	276169		
	1-1/8 COUPLING HUB-MTR 180TC	1	278907	278907	278907	278907	278907
	1-3/8 COUPLING HUB-MTR 210TC	1			334286	334286	334286
	1-5/8 COUPLING HUB-MTR 250TC	1				334288	334288
	COUPLING - REDUCER 56C	1	278901	278901			
33	COUPLING - REDUCER 140TC	1	276169	276169	276169		
	COUPLING - REDUCER 180TC	1	275806	275806	275806	278907	278907
	COUPLING - REDUCER 210-250	1			334285	334290	334290
34	MED LOCKWASHER	4	419009	419009	419009	419009	419009
35	SET SCREW	2	400140	400140	400140	400140	275953
36	HHCS GR5 ZC	2	51302	53204	411396	411396	411402
37	LHCS PLAIN	2	333807	333807	333807	333807	333807
38	MED LOCKWASHER	4	275803	275855	275855	419036	419036
39	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
40	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
41	SET SCREW	4	275962	275954	275954	333805	333805
42	HOLLOW OUTPUT SHAFT	1	333634	333635	333636	334556	334621
	LOCK WASHER 56-140	4	275803	275803	275803		
43	LOCK WASHER 210	4			275853	275853	275853
	LOCK WASHER 250	4				275853	275853
	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929		
44	SOCKET HEAD CAP SCR 180	4	41163158X	41163158X	334900	334900	334900
	HEX HD CAP SCREW 210	4			334902	334902	334902
	HEX HD CAP SCREW 250	4				334901	334901
45	SEAL Tigear 2, OUTPUT	2	334278	334279	334279	334280	334281
46	OUTPUT KEY	2	333687	333709	333709	334563	334623

(2) Adapter plate bolts onto 180 adapter 333239. Both adapters must be used.

Tigear 2 Parts List Drawing

Adaptable Solid Shaft (AS) - All Sizes



SIZES 13-23

Ref No	Description	Qty	13-AS	15-AS	17-AS	20-AS	23-AS
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333831	333831	333831
2	INPUT BORE PLUG	1 OR 0	335603	335603	335600	335600	335601
	INPUT BORE PLUG-ULTRA KLEEN	1 OR 0			335622		335622
3	O-RING	1	336366	336366	335508	276355	334312
4	TIG2 SOLID GEARCASE	1	333210	333211	333212	333213	333214
5	T2 INPUT BRG CARRIER	1	333245	333245	333246	333246	333249
6	T2 SOLID BRG HSG	1	333265	333265	333266	333267	333268
7	TIG2 INPUT SHAFT ADAPTER	1	Input coupling adapter is assembled with worm shaft. See Gear Chart				
8	SOLID GEAR KEY	1	333650	333661	333666	333671	333686
9	Tigear 2 LUBRICANT	7	334863	334863	334863	334863	334862
10	SOLID SPACER	2	333725	333726	333727	333728	333729
11-12	BEARING CUP/CONE ASSEMBLY	2	335337	335337	411626-01-C	411626-01-A	411626-01-A
13	BALL BRG. C3 CLRNC	1	334211	334211	334212	334212	334213
14	BALL BRG. C3 CLRNC	1	334218	334218	334219	334219	334220
15	TIG2 SEAL, INPUT	1	334270	334270	334271	334271	334272
16	O-RING, NITRILE	1	334300	334300	334300	334300	334303
17	O-RING, NITRILE	1	334304	334304	334304	334304	276355
18	NAMEPLATE T2	1	334305	334305	334305	334305	334305
19	CAP SCREW 56-140	4	417371	417371	417371	417371	417111
	SOCKET HEAD CAP SCR 180-210	1					
20	MED LOCKWASHER	4	419010	419010	419010	419010	275803
21	MOTOR ADAPTER 56-140	1	333236	333236	333236	333236	333237
	MOTOR ADPT 180TC	1					334683
22-24	SHIM KIT	1	411642-46-E	411642-46-E	411623-33-A	411623-33-B	411623-33-B
25	INT RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
26	EXT RING	1	411637-02-E	411637-02-E	411637-02-AV	411637-02-AV	411637-02-N
27	DUST CAP 1" HOLE	1	411709-65-H	411709-65-H	411709-65-H	411709-65-H	411709-65-H
28	56/140 MTR ADPT GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MOTOR ADPT GASKET 180-210	1					276335
29	TIG2 SOLID GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
30	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
31	COUPLING SPIDER 56 MTR	1	278911	278911	278911	278911	278911
	COUPLING SPIDER 140 MTR	1			278912	278912	278912
	COUPLING SPIDER 180 MTR	1					275794
	COUPLING SPIDER 210-250 MTR	1					
32	5/8 COUPLING, 56 MOTOR	1	278900	278900	278900	278900	278900
	7/8 COUPLING, 140 MOTOR	1			276169	276169	276169
	1-1/8 COUPLING, 180 MOTOR	1					278907
	1-3/8 COUPLING, 210 MOTOR	1					
	1-3/8 COUPLING, 250 MOTOR	1					
33	COUPLING HUB, REDUCER 56	1	334309	334309	278900	278900	278901
	COUPLING HUB, REDUCER 140	1			334306	334306	276169
	COUPLING HUB, REDUCER 180	1					275806
	COUPLING HUB, REDUCER 210-250	1					
34	MED LOCKWASHER	2	419007	419007	419007	419007	419009
35	LHCS PLAIN	2	333808	333808	333808	333808	333807
36	MED LOCKWASHER	4	419009	419009	419010	419010	275803
37	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
38	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
39	T2 SGL SOLID OUTPUT SHAFT STD	1 or 0	333604	333605	333606	333607	333608
	O/P SHAFT - DBLE EXTN-STD	1 or 0	333612	333613	333614	333615	333616
	O/P SH-SINGLE EXTN-WASHDOWN	1 or 0	333604SS	333605SS	333606SS	333607SS	333608SS
	O/P SH-DBLE EXTN-WASHDOWN	1 or 0	333612SS	333613SS	333614SS	333615SS	333616SS
40	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 210-250	4					
41	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929	51929	51929
	SOC HD CAP SCREW 180	4					411631-63-A
	HEX HD CAP SCREW 210	4					
	HEX HD CAP SCREW 250	4					
42	OUTPUT BORE PLUG (2)	1 or 0	335605	335605		335608	
	OUTPUT BORE PLUG-ULTRA KLEEN	1 or 0			335623		335623
43	TIG2 SEAL, OUTPUT	1 or 2 or 0	334271	334271	334272	334273	334273
	TIG2 SEAL, O/P - WASHDOWN (1)	1 or 2 or 0	334351	334351	334352	334353	334353
44	KEY, OUTPUT SHAFT	1 or 2 or 0	333665	333660	333665	333827	333685
	OUTPUT KEY, WASHDOWN (1)	1 or 2 or 0	335665SS	333660SS	335665SS	333777	333685SS

- (1) Double shaft extension uses qty 2.
 (2) Not used with double extension output shaft.

Seal Notes:

Input seal is same for standard & washdown applications.
 E-Z Kleen & Stainless Steel Ultra Kleen use same shaft, shaft key and seals identified as "Washdown" in table above.

SIZES 26-47

Ref No	Description	Qty	26-AS	30-AS	35-AS	40-AS	47-AS
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	INPUT BORE PLUG	1 or 0	335609	335602	335604	335610	335613
	INPUT BORE PLUG-ULTRA KLEEN	1 or 0		335624			
3	O-RING	1	334302	276357	336367	334313	334315
4	TIG2 SOLID GEARCASE	1	333215	333216	333217	334506	334576
5	T2 INPUT BRG CARRIER	1	333249	333250	333253	334508	334508
6	T2 SOLID BRG HSG	1	333269	333270	333271	334510	334580
7	TIG2 INPUT SHAFT ADAPTER	1	Assembled to worm shaft- See gear chart for assembly				
8	SOLID GEAR KEY	1	333696	333706	333775	334564	334624
9	Tigear 2 LUBRICANT	7	334862	334862	334862	334862	334862
10	SOLID SPACER	2	333730	333731	333732	334565	334625
11-12	BEARING CUP/CONE ASSEMBLY	2	411626-01-A	335338	411626-01-R	335340	335344
13	BALL BRG. C3 CLRNC	1	334213	334214	334215	334216	334216
14	BALL BRG. C3 CLRNC	1	334221	334222	334223	334224	334225
15	TIG2 SEAL, INPUT	1	334272	334272	334272	334274	334274
16	O-RING, NITRILE	1	334303	334303	334314	334314	334314
17	O-RING, NITRILE	1	276355	276355	276355	276355	276355
18	NAMEPLATE T2	1	334305	334305	334305	334305	334305
19	CAP SCREW 56-140	4	417111	417111	334895		
	SOCKET HEAD CAP SCR 180-210	1			334373	334373	334373
20	MED LOCKWASHER	4	275803	275803	275855	333783	333783
	MOTOR ADAPTER 56-140	1	333237	333237	334757	334757	
21	MOTOR ADPT 180TC	1	334683	334683	333239	333239	333239
	MOTOR ADPT PLT-BOLT ON 210 (1)	1			334571	334571	334571
	MOTOR ADPT PLT-BOLT ON 250 (1)	1				334570	334570
22-24	SHIM KIT	1	411623-33-B	335330	411623-33-C	335331	335336
25	INT RING	2	278715	411637-02-AC	278717	51334	51335
26	EXT RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
27	DUST CAP 1" HOLE	1	411709-65-H	411709-65-H	411709-65-H	411709-65-H	411709-65-H
28	56/140 MTR ADPT GASKET	1	602028-43-F	602028-43-F	602028-43-F		
	MOTOR ADPT GASKET 180-210	1	276335	276335		276335	276335
29	TIG2 SOLID GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
30	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
31	COUPLING SPIDER 56 MTR	1	278911	278911	278912		
	COUPLING SPIDER 140 MTR	1	278912	278912	278912		
	COUPLING SPIDER 180 MTR	1	275794	275794	275794	275794	275794
	COUPLING SPIDER 210-250 MTR	1			334291	334291	334291
32	5/8 COUPLING, 56 MOTOR	1	278900	278900	334292		
	7/8 COUPLING, 140 MOTOR	1	276169	276169	276169		
	1-1/8 COUPLING, 180 MOTOR	1	278907	278907	278907	278907	278907
	1-3/8 COUPLING, 210 MOTOR	1			334286	334286	334286
33	1-3/8 COUPLING, 250 MOTOR	1				334288	334288
	COUPLING HUB, REDUCER 56	1	278901	278901	276169		
	COUPLING HUB, REDUCER 140	1	276169	276169	276169		
	COUPLING HUB, REDUCER 180	1	275806	275806	275806	278907	278907
34	COUPLING HUB, REDUCER 210-250	1			334285	334290	334290
	MED LOCKWASHER	2	419009	419009	419009	419009	419009
35	LHCS PLAIN	2	333807	333807	333807	333807	333807
36	MED LOCKWASHER	4	275803	275855	275855	419036	419036
37	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
38	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
39	SGL SOLID OUTPUT SHAFT-STD	1 or 0	333609	333610	333611	334554	334619
	SOLID O/P SHFT-DBLE EXTN-STD	1 or 0	333617	333618	333619	334555	334620
	SLD O/P SHFT-SINGLE EXTN-WASHDOWN	1 or 0	333609SS	333610SS	333611SS		
	SOLID O/P SHFT-DBLE EXTN-WASHDOWN	1 or 0	333617SS	333618	333619SS		
40	LOCK WASHER 56-140	4	275803	275803	275803		
	LOCK WASHER 180-250	4			275853	275853	275853
41	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929		
	SOC HD CAP SCREW 180	4	41163158X	41163158X	334900	334900	334900
	HEX HD CAP SCREW 210	4			334902	334902	334902
	HEX HD CAP SCREW 250	4			334901	334901	334901
42	OUTPUT BORE PLUG (3)	1 or 0	335608	335607	335614	335611	335612
	OUTPUT BORE PLUG -ULTRA KLEEN	1 or 0		335625			
43	TIG2 SEAL, OUTPUT (2)	1 or 2 or 0	334273	334274	334275	334277	334278
	OUTPUT SEAL - WASHDOWN (2)	1 or 2 or 0	334353	334354	334355		
44	KEY, OUTPUT SHAFT (2)	1 or 2 or 0	333695	333705	333716	333829	333829
	OUTPUT KEY - WASHDOWN (2)	1 or 2 or 0	333695SS	333705SS	333716SS		

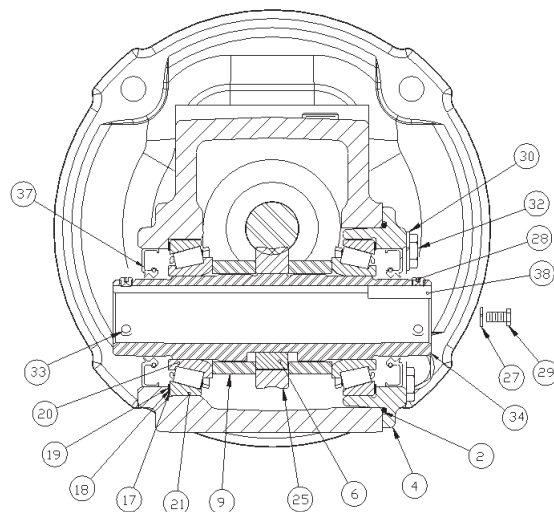
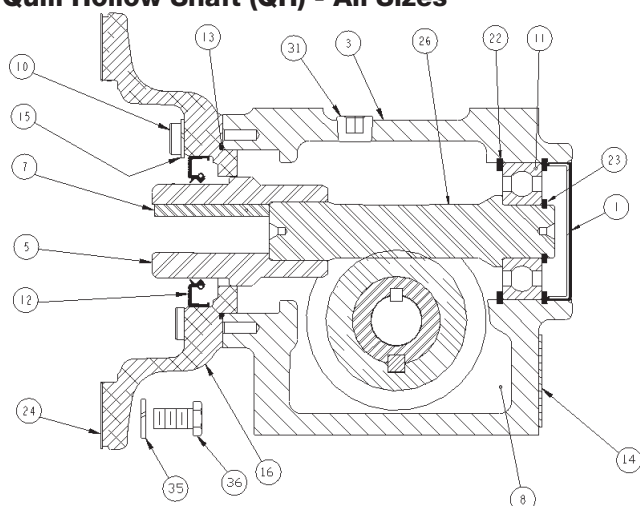
(1) Adapter plate bolts onto 180 adapter 333239. Both adapters must be used.

(2) Double shaft extension uses qty 2.

(3) Not used with double shaft output.

Tigear 2 Parts List Drawing

Quill Hollow Shaft (QH) - All Sizes



SIZES 13-23

Ref No	Description	Qty	13-QH Part Number	15-QH Part Number	17-QH Part Number	20-QH Part Number	23-QH Part Number
1	I/P RIBBED BORE PLUG	1	335603	335603	335600	335600	335601
2	O-RING	1	276019	276019	276134	276355	334307
3	TIG2 HOLLOW GEARCASE	1	333218	333219	333220	333221	333222
4	T2 HOLLOW BRG HOUSING	1	333281	333281	333282	333283	333284
5	QUILL CPLG	1	Quill coupling is assembled to worm shaft - See Gear Chart.				
6	SOLID GEAR KEY	1	333650	333650	333666	333671	333686
7	DRIV-LOK KEY 56-140	1	333698	333698	333667	333667	333698
7	DRIV-LOK KEY 180TC	1					333707
8	Tigear 2 LUBRICANT	1	334863	334863	334863	334863	334862
9	TIG2 HOLLOW O/P SPACER	2	333733	333734	333735	333736	333737
10	SOCKET HEAD CAP SCREW	4	333801	333801	333801	333801	51492
11	BALL BRG.	1	334218	334218	334219	334219	334220
12	TIG2 SEAL, INPUT 56-140	1	334274	334274	334274	334274	334276
12	TIG2 SEAL, INPUT 180-210	1					334276
13	O-RING. NITRILE	1	334301	334301	334301	334301	276355
14	Tigear 2 NAMEPLATE FIN	1	334305	334305	334305	334305	334305
15	MED LOCKWASHER	4	419010	419010	419010	419010	275803
16	MOTOR ADAPTER T2 56-140	1	333228	333228	333228	333228	333229
16	MOTOR ADPT, 180	1					334681
17-19	SHIM KIT	1	411623-33-B	411623-33-B	335330	411623-33-C	335331
20-21	BEARING CUP/CONE ASSEMBLY	2	411626-01-A	411626-01-A	335338	335339	335340
22	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
23	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
24	56/140 M/A GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
24	MOTOR ADPT GASKET 180-210-250 (3)	1					276335
25	TIG2 HOLLOW GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
26	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	MED LOCKWASHER	2	419007	419007	419007	419007	419009
28	SET SCREW	2	400140	400140	400140	400140	400140
29	HEX HEAD CAP SCREW	2	58270	58270	333800	333800	51302
30	MED LOCKWASHER	4	419009	419009	419010	419010	275803
31	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
33	SET SCREW	4	275953	275953	275953	275953	275953
34	TIG2 HOLLOW O/P SHAFT	1	333629	333629	333631	334789	333633
35	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
35	LOCK WASHER 180	4					
36	HEX HEAD CAP SCREW	4	51492	51492	51929	51492	51929
36	SHCS MTR MOUNTING 180-210	4					41163158X
36	SHCS MTR MOUNTING 250	4					
37	SEAL Tigear 2, OUTPUT	2	334273	334273	334274	334276	334277
38	OUTPUT KEY	1	333831	333831	333827	333827	333687

SIZES 26-47

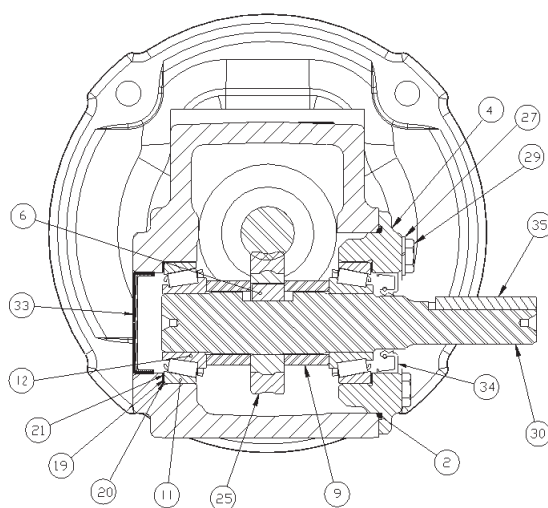
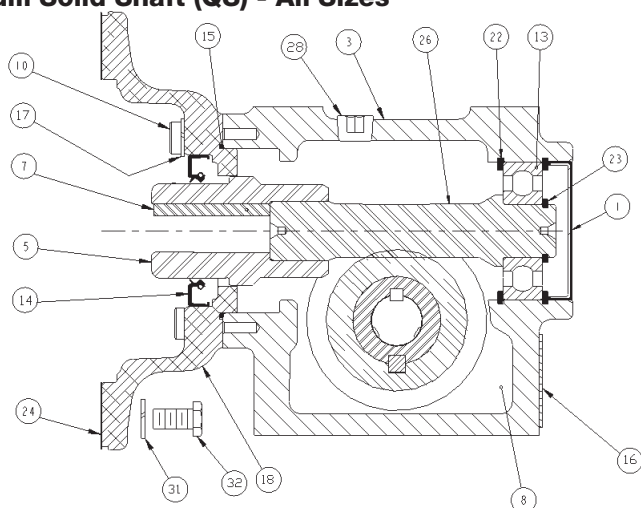
Ref No	Description	Qty	26-QH	30-QH	35-QH	40-QH	47-QH
			Part Number	Part Number	Part Number	Part Number	Part Number
1	I/P RIBBED BORE PLUG	1	335609	335602	335604	335610	335613
2	O-RING	1	334302	334308	276358	334313	334315
3	TIG2 HOLLOW GEARCASE	1	333223	333224	333225	334507	334577
4	T2 HOLLOW BRG HOUSING	1	333285	333286	333287	334512	334582
5	QUILL CPLG	1	Coupling assembled to worm shaft - See Gear Chart				
6	SOLID GEAR KEY	1	333670	333712	333717	334564	334624
7	DRIV-LOK KEY 56-140	1	333698	333698	333715	334557	
	DRIV-LOK KEY 180TC	1	333707	333707	333707	334558	334558
	DRIV-LOK KEY 210TC	1			333721	334559	334559
	DRIV-LOK KEY 250TC	1				334560	334560
8	Tigear 2 LUBRICANT	1	334862	334862	334862	334862	334862
9	TIG2 HOLLOW O/P SPACER	2	333738	333739	333740	334566	334626
10	SOCKET HEAD CAP SCREW	4	51492	51492	334374	334374	334374
11	BALL BRG.	1	334221	334222	334223	334224	334225
12	TIG2 SEAL, INPUT 56-140	1	334276	334276	334276	334276	334276
	TIG2 SEAL, INPUT 180-210	1	334276	334276	334279	334279	334279
13	O-RING, NITRILE	1	276355	276355	334302	334302	334302
14	Tigear 2 NAMEPLATE FIN	1	334305	334305	334305	334305	334305
15	MED LOCKWASHER	4	275803	275803	275855	275855	275855
16	MOTOR ADAPTER T2 56-140	1	333229	333229	334759	334759	
	MOTOR ADPT, 180-210TC	1	334681	334681	333231	333231	333231
	MOTOR ADPT PLATE 250TC (1)	1				334570	334570
17-19	SHIM KIT	1	335332	335333	335333	335334	335335
20-21	BEARING CUP/CONE ASSEMBLY	2	411626-01-BJ	335341	335341	335342	335343
22	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
23	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
24	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	
	MOTOR ADPT GASKET 180-210-250 (2)	1	276335	276335	276335	276335	276335
25	TIG2 HOLLOW GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
26	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	MED LOCKWASHER	2	419009	419009	419009	419009	419009
28	SET SCREW	2	400140	400140	400140	400140	275953
29	HEX HEAD CAP SCREW	2	051302	053204	411396	411396	411402
30	MED LOCKWASHER	4	275803	275855	275855	419036	419036
31	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
33	SET SCREW	4	275962	275954	275954	333805	333805
34	TIG2 HOLLOW O/P SHAFT	1	333634	333635	333636	334556	334621
35	LOCK WASHER 56-140	4	275803	275803	275803	275803	
	LOCK WASHER 180	4				275853	275853
	HEX HEAD CAP SCREW	4	51929	51929	51929	51929	
36	SHCS MTR MOUNTING 180-210	4	411631-63-A	411631-63-A	411631-58-X	334896	334896
	SHCS MTR MOUNTING 250	4				276446	276446
37	SEAL Tigear 2, OUTPUT	2	334278	334279	334279	334280	334281
38	OUTPUT KEY	1	333687	333709	333709	334563	334623

(1) Adapter plate bolts onto 180-210 adapter 333231.

(2) Frame size 250 uses qty 2.

Tigear 2 Parts List Drawing

Quill Solid Shaft (QS) - All Sizes



SIZES 13-23

Ref No.	Description	Qty	13-QS	15-QS	17-QS	20-QS	23-QS
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT BORE PLUG	1 or 0	335603	335603	335600	335600	335601
	INPUT BORE PLUG-ULTRA KLEEN	1 or 0			335622		335622
2	O-RING	1	336366	336366	335508	276355	334312
3	TIG2 SOLID GEARCASE	1	333210	333211	333212	333213	333214
4	T2 133& 150 SOLID BRG HSG	1	333265	333265	333266	333267	333268
5	QUILL CPLG 150 56C	1	Quill coupling is assembled to worm shaft. - See Gear Chart				
6	GEAR KEY	1	333650	333661	333666	333671	333686
	DRIV-LOK KEY 56-140	1	333698	333698	333667	333667	333698
7	DRIV-LOK KEY 180TC	1					333707
	DRIV-LOK KEY 210TC	1					
	DRIV-LOK KEY 250TC	1					
8	Tigear 2 LUBRICANT	1	334863	334863	334863	334863	334863
9	SOLID SPACER	2	333725	333726	333727	333728	333729
10	SOCKET HEAD CAP SCR GR8	4	333801	333801	333801	333801	51492
	SCKT HD CAP SCR 180-210-250	4					
11-12	BEARING CUP/CONE ASSM	2	335337	335337	411626-01-C	411626-01-A	411626-01-A
13	BALL BEARING	1	334218	334218	334219	334219	334220
14	INPUT SEAL T2 56-140	1	334274	334274	334274	334274	334276
	INPUT SEAL T2 180-210-250	1					334276
15	O-RING, NITRILE	1	334301	334301	334301	334301	276355
16	Tigear 2 NAMEPLATE	1	334305	334305	334305	334305	334305
17	MED LOCKWASHER	4	419010	419010	419010	419010	275803
18	MOTOR ADAPTER T2 56-140	1	333228	333228	333228	333228	333229
	MOTOR ADPT PLT 180	1					334681
19-21	SHIM KIT	1	411642-42-E	411642-42-E	411623-33-A	411623-33-B	411623-33-B
22	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
23	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
24	56/140 M/A GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MTR ADPT GSKT 180	1					276335
25	TIG2 SOLID GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
26	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	MED LOCKWASHER	4	419009	419009	419010	419010	275803
28	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
29	HEX HEAD CAP SCREW GR5	4	51302	51302	411405	411405	51929
	O/P SHAFT-SINGLE EXTN-STD	1 or 0	333604	333605	333606	333607	333608
	O/P SHAFT - DBLE EXTN-STD	1 or 0	333612	333613	333614	333615	333616
	O/P SH-SINGLE EXTN-WASHDOWN	1 or 0	333604SS	335605SS	333606SS	333607SS	333608SS
	O/P SH-DBLE EXTN-WASHDOWN	1 or 0	333612SS	333613SS	333614SS	333615SS	333616SS
31	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 180-210	4					
32	HEX HD CAP SCR MTR 56-140	4	51929	51929	51929	51929	51929
	HEX HD CAP SCR MTR 180-210	4					41163158X
	HEX HD CAP SCR MTR 250	4					
33	OUTPUT BORE PLUG	1	335605	335605	335606	335608	335608
34	TIG2 SEAL, OUTPUT STD (1)	1 or 2 or 0	334271	334271	334272	334273	334273
	TIG2 SEAL, O/P -WASHDOWN (1)	1 or 2 or 0	334351	334351	334352	334353	334353
35	OUTPUT KEY, STANDARD (1)	1 or 2 or 0	333665	333660	333665	333827	333685
	OUTPUT KEY, WASHDOWN (1)	1 or 2 or 0	335665SS	333660SS	335665SS	333777	333685SS

(1) Double shaft extension uses qty 2.

Seal Notes:

Input seal is same for standard & washdown applications.

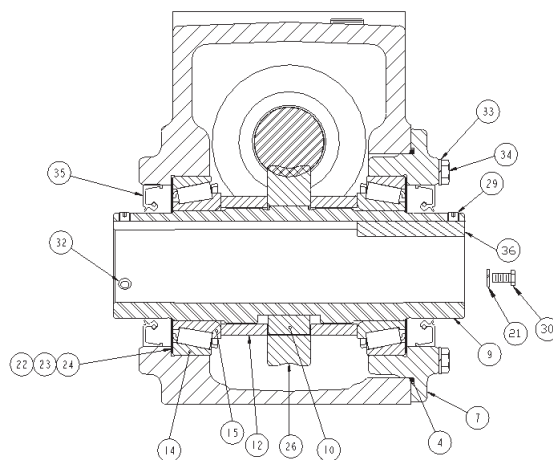
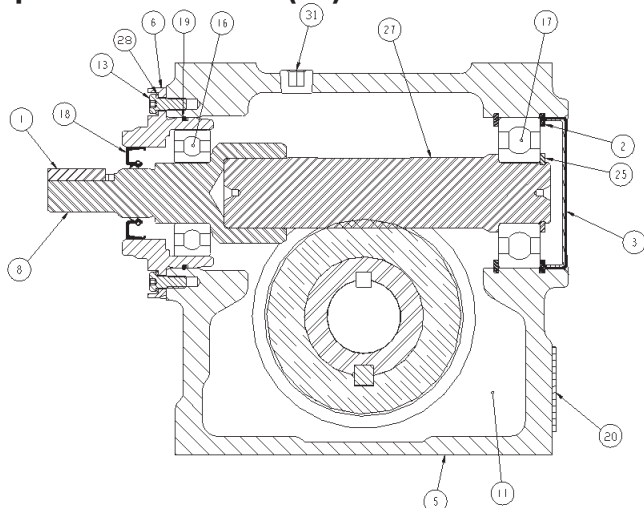
E-Z Kleen & Stainless Steel Ultra Kleen use same shaft, shaft key and seals identified as "Washdown" in table above.

SIZES 26-47

Ref No.	Description	Qty	26-QS	30-QS	35-QS	40-QS	47-QS
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT BORE PLUG	1	335609	335602	335604	335610	335613
	INPUT BORE PLUG-ULTRA KLEEN			335624			
2	O-RING	1	334302	276357	336367	334313	334315
3	TIG2 SOLID GEARCASE	1	333215	333216	333217	334506	334576
4	T2 133& 150 SOLID BRG HSG	1	333269	333270	333271	334510	334580
5	QUILL CPLG 150 56C	1	Quill coupling is assembled to worm shaft. See Gear Chart				
6	GEAR KEY	1	333696	333706	333775	334564	334624
	DRIV-LOK KEY 56-140	1	333698	333698	333715	334557	334557
7	DRIV-LOK KEY 180TC	1	333707	333707	333707	334558	334558
	DRIV-LOK KEY 210TC	1			333721	334559	334559
	DRIV-LOK KEY 250TC	1				334560	334560
8	Tigear 2 LUBRICANT	1	334862	334862	334862	334862	334862 (2)
9	SOLID SPACER	2	333730	333731	333732	334565	334625
10	SOCKET HEAD CAP SCR GR8	4	51492	51492	51952	51952	51952
	SCKT HD CAP SCR 180-210-250	4			334374	334374	334374
11-12	BEARING CUP/CONE ASSM	2	411626-01-A	335338	411626-01-R	335340	335344
13	BALL BEARING	1	334221	334222	334223	334224	334225
14	INPUT SEAL T2 56-140	1	334276	334276	334276	334276	334276
	INPUT SEAL T2 180-210-250	1			334279	334279	334279
15	O-RING, NITRILE	1	276355	276355	334302	334302	334302
16	Tigear 2 NAMEPLATE	1	334305	334305	334305	334305	334305
17	MED LOCKWASHER	4	275803	275803	275855	275855	275855
	MOTOR ADAPTER T2 56-140	1	333229	333229	334759	334759	
18	MOTOR ADPT PLT 180-210	1	334681	334681	333231	333231	333231
	MOTOR ADPT PLT 250TC (1)	1				334570	334570
19-21	SHIM KIT	1	411623-33-B	335330	411623-33-C	335331	335336
22	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
23	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
24	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MTR ADPT GSKT 180-210-250 (3)	1	276335	276335	276335	276335	276335
25	TIG2 SOLID GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
26	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	MED LOCKWASHER	4	275803	275855	275855	419036	419036
28	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
29	HEX HEAD CAP SCREW GR5	4	51929	51952	51952	411483	411484
	SOLID O/P SHFT-SINGLE EXTN	1 or 0	333609	333610	333611	334554	334619
30	SOLID O/P SHFT-DBLE EXTN	1 or 0	333617	333618	333619	334555	334620
	SLD O/P SHFT-SINGLE EXTN	1 or 0	333609SS	333610SS	333611SS		
	SOLID O/P SHFT-DBLE EXTN	1 or 0	333617SS	333618	333619SS		
31	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 180-210	4			275855	275853	275853
	HEX HD CAP SCR MTR 56-140	4	51929	51929	51929	51929	51929
32	HEX HD CAP SCR MTR 180-210	4	411631-63-A	411631-63-A	411631-58-X	334896	334896
	HEX HD CAP SCR MTR 250	4				276446	276446
33	OUTPUT BORE PLUG (5)	1 or 0	335608	335607	335614	335611	335612
34	OUTPUT SEAL - STANDARD (4)	1 or 2 or 0	334273	334274	334275	334277	334278
	OUTPUT SEAL - WASHDOWN (4)	1 or 2 or 0	334353	334354	334355		
35	OUTPUT KEY - STANDARD (4)	1 or 2 or 0	333695	333705	333716	333829	333829
	OUTPUT KEY - WASHDOWN (4)	1 or 2 or 0	333695SS	333705SS	333716SS		

Tigear 2 Parts List Drawing

Separate Hollow Shaft (SH) - All Sizes



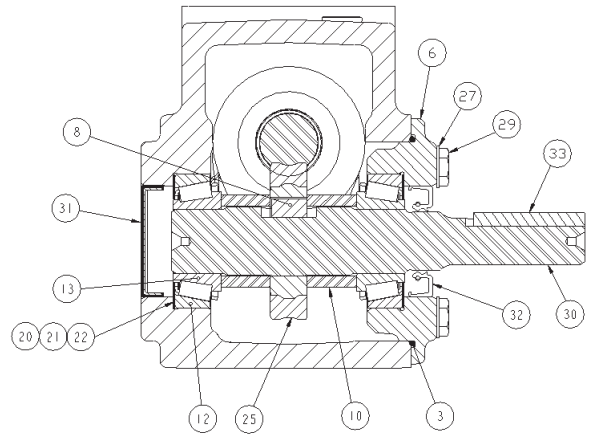
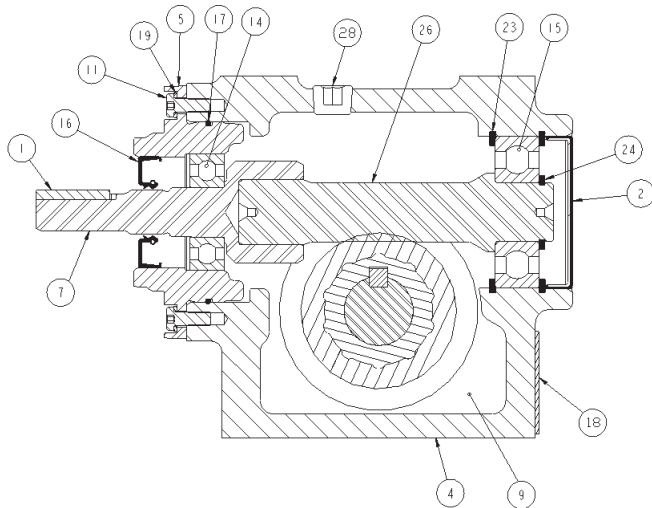
SIZES 13-23

Ref No	Description	Qty	13-SH	15-SH	17-SH	20-SH	23-SH
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333830	333830	333831	333831	333831
2	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
3	I/P RIBBED BORE PLUG	1	335603	335603	335600	335600	335601
4	O-RING	1	336366	336366	335508	276355	334312
5	TIG2 HOLLOW GEARCASE	1	333218	333219	333220	333221	333222
6	T2 I/P BRG CARRIER	1	333245	333245	333246	333246	333249
7	T2 HOLLOW BRG HOUSING	1	333281	333281	333282	333283	333284
8	TIG2 SEP INPUT SHAFT ADPT	1	Input coupling adapter is assembled to worm shaft. See Gear Chart				
9	HOLLOW OUTPUT SHAFT	1	333629	333629	333631	334789	333633
10	H/O GEAR KEY	1	333650	333650	333666	333671	333686
11	Tigear 2 LUBRICANT	1	334863	334863	334863	334863	334863
12	HOLLOW O/P SPACER	2	333733	333734	333735	333736	333737
13	LHHCS PLAIN	2	333808	333808	333808	333808	333807
14-15	BEARING CUP/CONE ASSM	2	411626-01-A	411626-01-A	335338	335339	335340
16	BALL BEARING	1	334211	334211	334212	334212	334213
17	BALL BEARING.	1	334218	334218	334219	334219	334220
18	INPUT SEAL	1	334270	334270	334271	334271	334272
19	O-RING, NITRILE	1	334300	334300	334300	334300	334303
20	Tigear 2 NAMEPLATE	1	334305	334305	334305	334305	334305
21	MED LOCKWASHER	2	419007	419007	419007	419007	419009
22-24	SHIM KIT	1	411623-33-B	411623-33-B	335330	411623-33-C	335331
25	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
26	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	TIG2 HOLLOW GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
28	MED LOCKWASHER	2	419007	419007	419007	419007	419009
29	SET SCREW	2	400140	400140	400140	400140	400140
30	HEX HEAD CAP SCREW	2	58270	58270	333800	333800	51302
31	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	SET SCREW	4	275953	275953	275953	275953	275953
33	MED LOCKWASHER	4	419009	419009	419010	419010	275803
34	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
35	OUTPUT SEAL T2	2	334273	334273	334274	334276	334277
36	OUTPUT KEY	1	333831	333831	333827	333827	333687

SIZES 26-47

Ref No	Description	Qty	26-SH	30-SH	35-SH	40-SH	47-SH
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
3	I/P RIBBED BORE PLUG	1	335609	335602	335604	335610	335613
4	O-RING	1	334302	276357	336367	334313	334315
5	TIG2 HOLLOW GEARCASE	1	333223	333224	333225	334507	334577
6	T2 I/P BRG CARRIER	1	333249	333250	333253	334508	334508
7	T2 HOLLOW BRG HOUSING	1	333285	333286	333287	334512	334582
8	TIG2 SEP INPUT SHAFT ADPT	1	Input coupling adapter is assembled to worm shaft. See Gear Chart				
9	HOLLOW OUTPUT SHAFT	1	333634	333635	333636	334556	334621
10	H/O GEAR KEY	1	333670	333712	333717	334564	334624
11	Tigear 2 LUBRICANT	1	334862	334862	334862	334862	334862
12	HOLLOW O/P SPACER	2	333738	333739	333740	334566	334626
13	LHHCS PLAIN	2	333807	333807	333807	333807	333807
14-15	BEARING CUP/CONE ASSM	2	411626-01-BJ	335341	335341	335342	335343
16	BALL BEARING	1	334213	334214	334215	334216	334216
17	BALL BEARING.	1	334221	334222	334223	334224	334225
18	INPUT SEAL	1	334272	334272	334272	334274	334274
19	O-RING, NITRILE	1	334303	334303	334314	334314	334314
20	Tigear 2 NAMEPLATE	1	334305	334305	334305	334305	334305
21	MED LOCKWASHER	2	419009	419009	419009	419009	419009
22-24	SHIM KIT	1	335332	335333	335333	335334	335335
25	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
26	TIG2 WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	TIG2 HOLLOW GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
28	MED LOCKWASHER	2	419009	419009	419009	419009	419009
29	SET SCREW	2	400140	400140	400140	400140	275953
30	HEX HEAD CAP SCREW	2	051302	053204	411396	411396	411402
31	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	SET SCREW	4	275962	275954	275954	333805	333805
33	MED LOCKWASHER	4	275803	275855	275855	419036	419036
34	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411483
35	OUTPUT SEAL T2	2	334278	334279	334279	334280	334281
36	OUTPUT KEY	1	333687	333709	333709	334563	334623

Tigear 2 Parts List Drawing **Separate Solid Shaft (SS) - All Sizes**



SIZES 13-23

Ref No	Description	Qty	13-SS	15-SS	17-SS	20-SS	23-SS
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333830	333830	333831	333831	333831
2	I/P RIBBED B/P	1	335603	335603	335600	335600	335601
3	O-RING	1	336366	336366	335508	276355	334312
4	TIG2 SOLID GEARCASE	1	333210	333211	333212	333213	333214
5	T2 I/P BRG CARRIER	1	333245	333245	333246	333246	333249
6	T2 SOLID BRG HSG	1	333265	333265	333266	333267	333268
7	TIG2 INPUT SHAFT ADAPTER	1	Input coupling adapter is assembled to worm shaft. See Gear Chart				
8	SOLID GEAR KEY	1	333650	333661	333666	333671	333686
9	Tigear 2 LUBRICANT	1	334863	334863	334863	334863	334862
10	SOLID SPACER	2	333725	333726	333727	333728	333729
11	LHCS PLAIN	2	333808	333808	333808	333808	333807
12-13	BEARING CUP/CONE ASSM	2	335337	335337	411626-01-C	411626-01-A	411626-01-A
14	BALL BEARING	1	334211	334211	334212	334212	334213
15	BALL BEARING	1	334218	334218	334219	334219	334220
16	TIG2 INPUT SEAL	1	334270	334270	334271	334271	334272
17	O-RING, NITRILE	1	334300	334300	334300	334300	334303
18	Tigear 2 NAMEPLATE	1	334305	334305	334305	334305	334305
19	MED LOCKWASHER	2	419007	419007	419007	419007	419009
20-22	SHIM KIT	1	411642-46-E	411642-46-E	411623-33-A	411623-33-B	411623-33-B
23	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
24	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
25	SOLID GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
26	WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	PIPE PLUG 1/4"SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
28	MED LOCKWASHER	4	419009	419009	419010	419010	275803
29	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
30	O/P SHAFT, SINGLE EXTN-STD	1 or 0	333604	333605	333606	333607	333608
	O/P SHAFT - DBLE EXTN-STD	1 or 0	333612	333613	333614	333615	333616
	O/P SH-SINGLE EXTN-WASHDOWN	1 or 0	333604SS	333605SS	333606SS	333607SS	333608SS
	O/P SH-DBLE EXTN-WASHDOWN	1 or 0	333612SS	333613SS	333614SS	333615SS	333616SS
31	O/P RIBBED BORE PLUG (2)	1 or 0	335605	335605	335606	335608	335608
32	TIG2 SEAL, OUTPUT - STANDARD (1)	1 or 2 or 0	334271	334271	334272	334273	334273
	TIG2 SEAL, O/P - WASHDOWN (1)	1 or 2 or 0	334351	334351	334352	334353	334353
33	KEY, OUTPUT (1)	1 or 2 or 0	333665	333660	333665	333827	333685
	OUTPUT KEY, WASHDOWN (1)	1 or 2 or 0	335665SS	333660SS	335665SS	333777	333685SS

- (1) Double shaft extension uses qty 2.
(2) Not used with double shaft extension shaft.

Seal Notes:

Input seal is same for standard & washdown applications.

E-Z Kleen & Stainless Steel Ultra Kleen use same shaft, shaft key and seals identified as "Washdown" in table above.

SIZES 26-47

Ref No	Description	Qty	26-SS	30-SS	35-SS	40-SS	47-SS
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	I/P RIBBED B/P	1	335609	335602	335604	335610	335613
3	O-RING	1	334302	276357	336367	334313	334315
4	TIG2 SOLID GEARCASE	1	333215	333216	333217	334506	334576
5	T2 I/P BRG CARRIER	1	333249	333250	333253	334508	334508
6	T2 SOLID BRG HSG	1	333269	333270	333271	334510	334580
7	TIG2 INPUT SHAFT ADAPTER	1	Input coupling adapter is assembled to worm shaft. See Gear Chart				
8	SOLID GEAR KEY	1	333696	333706	333775	334564	334624
9	Tigear 2 LUBRICANT	1	334862	334862	334862	334862	334862 (2)
10	SOLID SPACER	2	333730	333731	333732	334565	334625
11	LHHCS PLAIN	2	333807	333807	333807	333807	333807
12-13	BEARING CUP/CONE ASSM	2	411626-01-A	335338	411626-01-R	335340	335344
14	BALL BEARING	1	334213	334214	334215	334216	334216
15	BALL BEARING	1	334221	334222	334223	334224	334225
16	TIG2 INPUT SEAL	1	334272	334272	334272	334274	334274
17	O-RING, NITRILE	1	334303	334303	334314	334314	334314
18	Tigear 2 NAMEPLATE	1	334305	334305	334305	334305	334305
19	MED LOCKWASHER	2	419009	419009	419009	419009	419009
20-22	SHIM KIT	1	411623-33-B	335330	411623-33-C	335331	335336
23	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
24	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
25	SOLID GEAR	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
26	WORMSHAFT	1	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart	See Gear Chart
27	PIPE PLUG 1/4"SOC. (1)	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
28	MED LOCKWASHER	4	275803	275855	275855	419036	419036
29	HEX HEAD CAP SCREW	4	051929	051952	051952	411483	411484
30	SGL SOLID OUTPUT SHAFT-STD	1 or 0	333609	333610	333611	334554	334619
	SOLID O/P SHFT-DBLE EXTN-STD	1 or 0	333617	333618	333619	334555	334620
	SLD O/P SHFT-SINGLE EXTN-WASHDOWN	1 or 0	333609SS	333610SS	333611SS		
	SOLID O/P SHFT-DBLE EXTN-WASHDOWN	1 or 0	333617SS	333618	333619SS		
31	O/P RIBBED BORE PLUG (3)	1 or 0	335608	335607	335614	335611	335612
32	TIG2 SEAL, OUTPUT (4)	1 or 2 or 0	334273	334274	334275	334277	334278
	OUTPUT SEAL - WASHDOWN (4)	1 or 2 or 0	334353	334354	334355		
33	KEY, OUTPUT (4)	1 or 2 or 0	333695	333705	333716	333829	333829
	OUTPUT KEY - WASHDOWN (4)	1 or 2 or 0	333695SS	333705SS	333716SS		

(1) Size 400 & 475 uses qty 1

(2) Size 475 requires 266 oz of lube. Order qty 2 (gal) 334862 & qty 1 (qt) of 334863.

(3) Not used with double output shaft.

(4) Double shaft extension uses qty 2.

Tigear 2 Seal Kits

Standard Duty Seals listed - For EZ Kleen & Ultra Kleen seals see page 24.1.
Double shaft reducers require two output seals. Order one additional seal from table for those applications.

Quill Solid Shaft (QS)

Size	Motor Frame	Seal Kit Part No.	Consists of:				
			Qty	Input Seal	Output Seal	O-Ring Brq Hsg	O-Ring Mtr Adpt
13/15-QS	ALL	335350	1	334274	334271	336366	334301
17/176-QS	ALL	335351	1	334274	334272	335508	334301
20/202-QS	ALL	335352	1	334274	334273	276355	334301
23-QS	56-140-180	335353	1	334276	334273	334312	276355
26-QS	56-140-180	236293	1	334276	334273	334302	276355
30-QS	56-140-180	335355	1	334276	334274	276357	276355
35-QS	56-140	335356	1	334276	334275	336367	334302
	180-210	335357	1	334279	334275	335367	334302
40-AS	140TC	335358	1	334276	334277	334313	334302
	180-210-250TC	335359	1	334279	334277	334313	334302
47-AS	140TC	335360	1	334276	334278	334315	334302
	180-210-250TC	335361	1	334279	334278	334315	334302

Tigear 2 Quill Hollow Output (QH)

Size	Motor Frame	Seal Kit Part No.	Consists of:				
			Qty	Output Seal	Qty	Input Seal	O-Ring Brq Hsg O-Ring Mtr Adpt
13/15-QH	ALL	335362	2	334273	1	334274	336366 334301
17-QH	ALL	335363	2	334274	1	334274	276134 334301
20-QH	ALL	335364	2	334276	1	334274	276355 334301
23-QH	56-140-180	335365	2	334277	1	334276	334307 276355
26-QH	56-140-180	335366	2	334278	1	334276	334302 276355
30-QH	56-140-180	335367	2	334279	1	334276	276357 276355
35-QH	56-140	236294	2	334279	1	334276	276357 334302
35-QH	180-210	335369	2	334279	1	334279	336367 334302
	140TC	335370	2	334280	1	334276	334313 334302
40-AH	180-210-250TC	335371	2	334280	1	334279	334313 334302
	140TC	335372	2	334281	1	334276	334315 334302
47-AH	180-210-250TC	335373	2	334281	1	334279	334315 334302

Tigear 2 - Adaptable (AS) & Separate (SS) Input Solid Shaft

Size	Motor Frame	Seal Kit Part No.	Consists of:				
			Qty	Input Seal	Output Seal	O-Ring Brq Hsg	O-Ring Mtr Adpt O-Ring brq carrier
13/15-AS/SS	ALL	335374	1	334270	334271	336366	334304 334300
17-AS/SS	ALL	335375	1	334271	334272	335508	334304 334300
20-AS/SS	ALL	335376	1	334271	334273	276355	334304 334300
23-AS/SS	56-140-180	335377	1	334272	334273	334312	276355 334303
26-AS/SS	56-140-180	236295	1	334272	334273	334302	276355 334303
30-AS/SS	56-140-180TC	335379	1	334272	334274	276357	276355 334303
35-AS/SS	56-140-180TC-210TC	335380	1	334272	334275	336367	276355 334314
40-AS/SS	140TC-180TC-210-250TC	335381	1	334274	334277	334314	276355 334314
47-AS/SS	140TC-180TC-210-250TC	335382	1	334274	334278	334315	276355 334314

Tigear 2 - Adaptable (AH) & Separate (SH) Hollow Shaft

Size	Motor Frame	Seal Kit Part No.	Consists of:				
			Qty	Output Seal	Qty	Input Seal	O-Ring Brq Hsg O-Ring Mtr Adpt O-Ring brq carrier
13/15-AH/SH	ALL	335392	2	334273	1	334270	336366 334304 334300
17-AH/SH	ALL	335393	2	334274	1	334271	335508 334304 334300
20-AH/SH	ALL	335394	2	334276	1	334271	276355 334304 334300
23-AH/SH	56-140-180	335395	2	334277	1	334272	334312 276355 334303
26-AH/SH	56-140-180	335396	2	334278	1	334272	334302 276355 334303
30-AH/SH	56-140-180TC	335397	2	334279	1	334272	276357 276355 334303
35-AH/SH	56-140-180TC-210TC	236296	2	334279	1	334272	276358 276355 334314
40-AH/SH	140TC-180TC-210-250	335399	2	334280	1	334274	334313 276355 334314
47-AH/SH	140TC-180TC-210-250	335400	2	334281	1	334274	334315 276355 334314

HTigear 2 Seal Kits - Harsh Duty

EZ Kleen & Ultra Kleen Applications

Double shaft reducers require two output seals. Order one additional seal from table for those applications

Quill Solid Shaft (QS)

Size	Motor Frame	Seal Kit Part No.	Consists of:				
			Qty	Input Seal	Output Seal	O-Ring Brg Hsg	O-Ring Mtr Adpt
13/15-QS	ALL	EZ335350	1	334274	334351	336366	334301
17/176-QS	ALL	EZ335351	1	334274	334352	335508	334301
20/202-QS	ALL	EZ335352	1	334274	334353	276355	334301
23-QS	56-140-180	EZ335353	1	334276	334353	334312	276355
26-QS	56-140-180	EZ236293	1	334276	334353	334302	276355
30-QS	56-140-180	EZ335355	1	334276	334354	276357	276355
35-QS	56-140	EZ335356	1	334276	334355	336367	334302
	180-210	EZ335357	1	334279	334355	335367	334302

Tigear 2 Quill Hollow Output (QH)

Size	Motor Frame	Seal Kit Part No.	Consists of:					
			Qty	Output Seal	Qty	Input Seal	O-Ring Brg Hsg	O-Ring Mtr Adpt
13/15-QH	ALL	EZ335362	2	334353	1	334274	336366	334301
17-QH	ALL	EZ335363	2	334353	1	334274	335508	334301
20-QH	ALL	EZ335364	2	334354	1	334274	276355	334301
23-QH	56-140-180	EZ335365	2	334357	1	334276	334307	276355
26-QH	56-140-180	EZ335366	2	334358	1	334276	334302	276355
30-QH	56-140-180	EZ335367	2	334359	1	334276	276357	276355
35-QH	56-140	EZ236294	2	334359	1	334276	276357	334302
35-QH	180-210	EZ335369	2	334359	1	334279	336367	334302

Tigear 2 - Adaptable (AS) & Separate (SS) Input Solid Shaft

Size	Motor Frame	Seal Kit Part No.	Consists of:					
			Qty	Input Seal	Output Seal	O-Ring Brg Hsg	O-Ring Mtr Adpt	O-Ring brg carrier
13/15-AS/SS	ALL	EZ335374	1	334270	334351	336366	334304	334300
17-AS/SS	ALL	EZ335375	1	334271	334352	335508	334304	334300
20-AS/SS	ALL	EZ335376	1	334271	334353	276355	334304	334300
23-AS/SS	56-140-180	EZ335377	1	334272	334353	334312	276355	334303
26-AS/SS	56-140-180	EZ236295	1	334272	334353	334302	276355	334303
30-AS/SS	56-140-180TC	EZ335379	1	334272	334354	276357	276355	334303
35-AS/SS	56-140-180TC-210TC	EZ335380	1	334272	334355	336367	276355	334314

Tigear 2 - Adaptable (AH) & Separate (SH) Hollow Shaft

Size	Motor Frame	Seal Kit Part No.	Consists of:						
			Qty	Output Seal	Qty	Input Seal	O-Ring Brg Hsg	O-Ring Mtr Adpt	O-Ring brg carrier
13/15-AH/SH	ALL	EZ335392	2	334353	1	334270	336366	334304	334300
17-AH/SH	ALL	EZ335393	2	334354	1	334271	335508	334304	334300
20-AH/SH	ALL	EZ335394	2	334356	1	334271	276355	334304	334300
23-AH/SH	56-140-180	EZ335395	2	334357	1	334272	334312	276355	334303
26-AH/SH	56-140-180	EZ335396	2	334358	1	334272	334302	276355	334303
30-AH/SH	56-140-180TC	EZ335397	2	334359	1	334272	276357	276355	334303
35-AH/SH	56-140-180TC-210TC	EZ236296	2	334359	1	334272	276358	276355	334314

Tigear 2 Quick Pick Service Kits

Select kit(s) appropriate for the level of service to be performed or select MAXSERVICE Kit if complete disassembly of reducer is anticipated. MAXSERVICE Kit will include all the items listed per size in the tables below.



Adaptable Input-Hollow Output (AH)

Quill Input-Solid Shaft Output (QS)

- Kits contain only genuine Dodge renewal parts for optimum performance.
- Lube is sufficient to fill one reducer.
- To protect against downtime a service kit safety stock is recommended.
- Easy to use chart - reducer size + input + output, all from reducer nameplate are all that is needed.

Quill Solid Output (QS)

Reducer Size - Input/Output	MAXSERVICE Kit Part Number	MAXSERVICE Kit consists of all components listed:					
		Bearing Kit	Seal Kit	Shim Kit	Lube	Bore Plug Input	Output
13-QS	13QSSERVICEKIT	13QSBGRKIT	335350	41164246E	334863	335603	335605
15-QS	15QSSERVICEKIT	15QSBGRKIT	335350	41164246E	334863	335603	335605
17/176-QS	17QSSERVICEKIT	17QSBGRKIT	335351	41162333A	334863	335600	335606
20/202-QS	20QSSERVICEKIT	20QSBGRKIT	335352	41162333B	334863	335600	335608
23-QS	23QSSERVICEKIT	23QSBGRKIT	335353	41162333B	334863	335601	335608
26-QS	26QSSERVICEKIT	26QSBGRKIT	335353	41162333B	334863	335609	335608
30-QS	30QSSERVICEKIT	30QSBGRKIT	335355	335330	334862	335602	335607
35-QS	35QSSERVICEKIT	35QSBGRKIT	236194	41162333C	334862	335604	335614
40-QS	40QSSERVICEKIT	40QSBGRKIT	236195	335331	334862	335610	335611
47-QS	47QSSERVICEKIT	47QSBGRKIT	236196	335336	334862 (1)	335613	335612

Quill Hollow Output (QH)

Reducer Size - Input/Output	MAXSERVICE Kit Part Number	MAXSERVICE Kit consists of all components listed:					
		Bearing Kit	Seal Kit	Shim Kit	Lube	Bore Plug Input	Output
13-QH	13QHSERVICEKIT	13QHBRGKIT	335362	41162333B	334863	335603	
15-QH	15QHSERVICEKIT	15QHBRGKIT	335362	41162333B	334863	335603	
17/176-QH	17QHSERVICEKIT	17QHBRGKIT	335363	335330	334863	335600	
20/202-QH	20QHSERVICEKIT	20QHBRGKIT	335364	41162333C	334863	335600	
23-QH	23QHSERVICEKIT	23QHBRGKIT	335365	335331	334863	335601	
26-QH	26QHSERVICEKIT	26QHBRGKIT	335366	335332	334863	335609	
30-QH	30QHSERVICEKIT	30QHBRGKIT	335367	335333	334862	335602	
35-QH	35QHSERVICEKIT	35QHBRGKIT	236187	335333	334862	335604	
40-QH	40QHSERVICEKIT	40QHBRGKIT	236188	335334	334862	335610	
47-QH	47QHSERVICEKIT	47QHBRGKIT	236189	335335	334862 (1)	335613	

Adaptable Solid (AS) & Separate Solid (SS) Output

Reducer Size - Input/Output	MAXSERVICE Kit Part Number	MAXSERVICE Kit consists of all components listed:					
		Bearing Kit	Seal Kit	Shim Kit	Lube	Bore Plug Input	Output
13-AS/SS	13ASSERVICEKIT	13ASBRGKIT	335374	41164246E	334863	335603	335605
15-AS/SS	15ASSERVICEKIT	15ASBRGKIT	335374	41164246E	335374	335603	335605
17/176-AS/SS	17ASSERVICEKIT	17ASBRGKIT	335375	41162333A	334863	335600	335606
20/202-AS/SS	20ASSERVICEKIT	20ASBRGKIT	335376	41162333B	334863	335600	335608
23-AS/SS	23ASSERVICEKIT	23ASBRGKIT	335377	41162333B	334863	335601	335608
26-AS/SS	26ASSERVICEKIT	26ASBRGKIT	335377	41162333B	334862	335609	335608
30-AS/SS	30ASSERVICEKIT	30ASBRGKIT	335379	335330	334862	335602	335607
35-AS/SS	35ASSERVICEKIT	35ASBRGKIT	335380	41162333C	334862	335604	335614
40-AS/SS	40ASSERVICEKIT	40ASBRGKIT	335381	335331	334862 (1)	335610	335611
47-AS/SS	47ASSERVICEKIT	47ASBRGKIT	335382	335336	334862 (2)	335613	335612

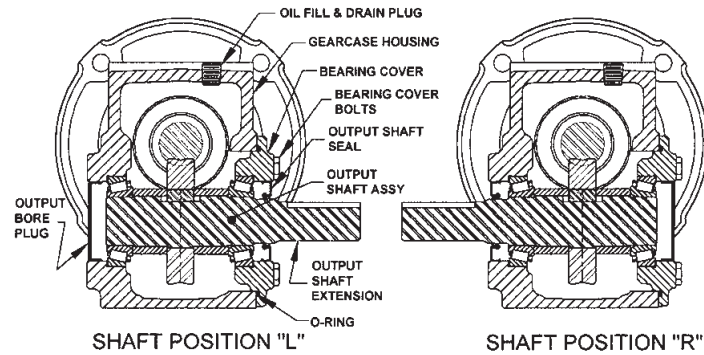
Adaptable Hollow (AH) & Separate Hollow (SH) Output

Reducer Size - Input/Output	MAXSERVICE Kit Part Number	MAXSERVICE Kit consists of all components listed:					
		Bearing Kit	Seal Kit	Shim Kit	Lube	Bore Plug Input	Output
13-AH/SH	13AHSERVICEKIT	13AHBRGKIT	335392	41162333B	334863	335603	
15-AH/SH	15AHSERVICEKIT	15AHBRGKIT	335392	41162333B	334863	335603	
17/176-AH/SH	17AHSERVICEKIT	17AHBRGKIT	335393	335330	334863	335600	
20/202-AH/SH	20AHSERVICEKIT	20AHBRGKIT	335394	41162333C	334863	335600	
23-AH/SH	23AHSERVICEKIT	23AHBRGKIT	335395	335331	334863	335601	
26-AH/SH	26AHSERVICEKIT	26AHBRGKIT	335396	335332	334862	335609	
30-AH/SH	30AHSERVICEKIT	30AHBRGKIT	335397	335333	334862	335602	
35-AH/SH	35AHSERVICEKIT	35AHBRGKIT	335397	335333	334862	335604	
40-AH/SH	40AHSERVICEKIT	40AHBRGKIT	335399	335334	334862 (1)	335610	
47-AH/SH	47AHSERVICEKIT	47AHBRGKIT	335400	335335	334862 (2)	335613	

- (1) Requires two gallons of synthetic gear lube. Included in Premium Service Kit.
 (2) Requires three gallons of synthetic gear lube. Included in Premium Service Kit.
 (3) Rebuild kit for 35-40-47 includes seals for both 56C/140TC & 180/210/250TC input.

Output Shaft Reversal Kits

Tigear 2 reducers are stocked in left-hand (L) and right-hand (R) output shaft configurations. It is also possible to convert a left-hand or right-hand unit to the opposite shaft position. A shaft reversal kit containing shaft seal, bore plug, O-ring and instructions is necessary.



Reducer Size	Kit Part No.	Reducer Size	Kit Part No.	Reducer Size	Kit Part No.	Reducer Size	Kit Part No.
13	13SHAFTREV	20	20SHAFTREV	30	30SHAFTREV	47	47SHAFTREV
15	15SHAFTREV	23	23SHAFTREV	35	35SHAFTREV		
17	17SHAFTREV	26	26SHAFTREV	40	40SHAFTREV		

NOTE: A new output shaft seal and output bore plug **MUST** be used when performing a shaft reversal. Improperly performed reversals or reversals done without a new seal and plug will not be covered under warranty.

Tigear 2 Shim Kits

Shim kit contains complete set of shims for one reducer.

SIZE	AH-QH-SH	AS-QS
133	41162333B	41164246E
150	41162333B	41164246E
175	335330	41162333A
200	41162333C	41162333B
231	335331	41162333B
262	335332	41162333B
300	335333	335330
350	335333	41162333C
400	335334	335331
475	335335	335336

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