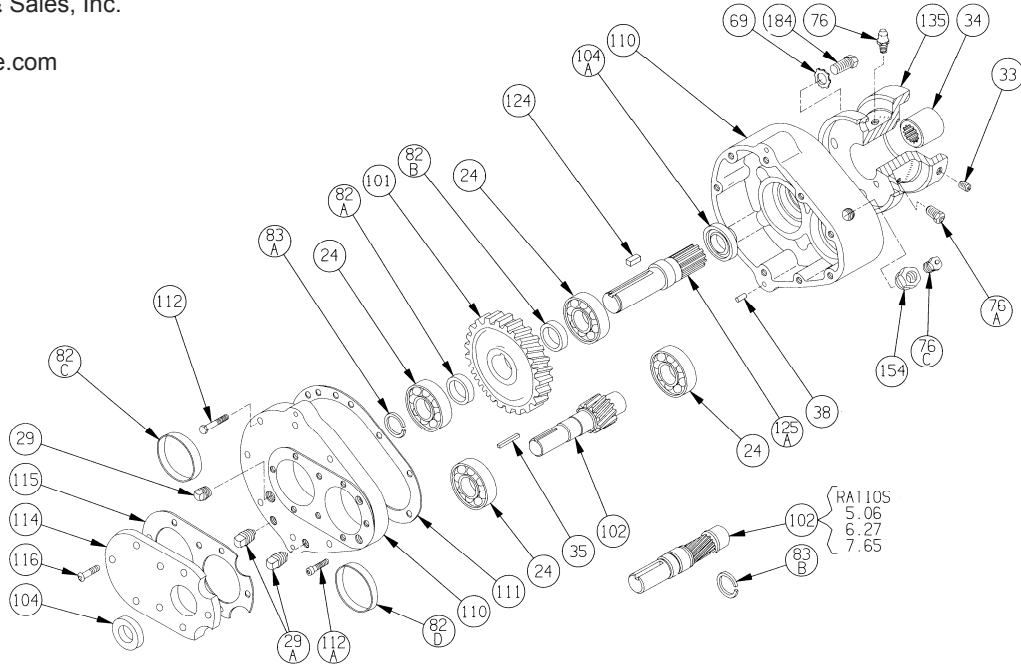


# INTEGRAL HELICAL GEAR REDUCER MODEL HRA (GX3E PUMPS)

Tank Truck Service & Sales, Inc.  
Warren, Michigan  
www.tanktruckservice.com  
800-482-2678



Ref. No.	Description	Parts per Pump	Part No.	Ref. No.	Description	Parts per Pump	Part No.
24	Bearing	4	903150	101	Gear	1	See Table
29	Oil Level Plug	1	908185	102	Pinion & Shaft	1	See Table
29A	Drain Plug	2	908100	104	Oil Seal	1	331910
33	Set Screw	2	922190	104A	Oil Seal	1	331923
34	Splined Coupling (Includes Snap Ring)	1	906077	110	Gearbox Assembly <sup>1</sup>	1	894001
35	Key - Pinion	1	909177	111	Gasket - Cover	1	814000
38	Dowel Pin	2	930739	112	Capscrews - Cover	7	920235
69	Lockwasher - Spool	4	909630	112A	Capscrews - Cover	2	920233
76	Grease Fitting	1	317815	114	Closure Plate	1	*
76A	Grease Relief Fitting	1	701992	115	Gasket - Closure Plate	1	814002
76C	Fill & Vent Plug	1	701988	116	Capscrews - Closure Plate	8	922754
82A	Spacer Ring	1	See Table	124	Key - Splined Shaft	1	909175
82B	Spacer Ring	1	See Table	125A	Splined Shaft	1	704010
82C	Spacer Ring	1	See Table	135	Spool	1	834010
82D	Spacer Ring	0 - 1	See Table	154	Bushing	1	908794
83A	Retaining Ring	1	See Table	184	Capscrew - Spool	4	920316
83B	Retaining Ring	0 - 1	See Table				

\* Non-saleable item - included with Gearbox Assembly. <sup>1</sup> Gearbox Assembly includes Ref. Nos. 38, 110, 111, 112, 112A, 114, 115, 116.

## GEAR AND PINION SELECTION TABLE

Ratio	RPM	102 Pinion No.	Qty	101 Gear No.	Qty	SPACERS								RETAINING RINGS			
						82A	Qty	82B	Qty	82C	Qty	82D	Qty	83A	Qty	83B	Qty
2.24	780	915131	1	919931	1	374002	1	374002	1	374003	1	374003	1	903618	1	NONE	-
2.76	640	915125	1	919928	1	374002	1	374002	1	374003	1	374003	1	903618	1	NONE	-
3.40	520	915126	1	919929	1	374002	1	374002	1	374003	1	374003	1	903618	1	NONE	-
4.19	420	915127	1	919930	1	374002	1	374002	1	374003	1	374003	1	903618	1	NONE	-
5.06	350	915132	1	919932	1	374001	1	374004	1	374003	1	NONE	-	903618	1	903618	1
6.27	280	915133	1	919933	1	374001	1	374004	1	374003	1	NONE	-	903618	1	903618	1
7.65	230	915122	1	919922	1	374001	1	374004	1	374003	1	NONE	-	903618	1	903618	1

**NOTE:** Nominal speed is based on 1740 rpm input.