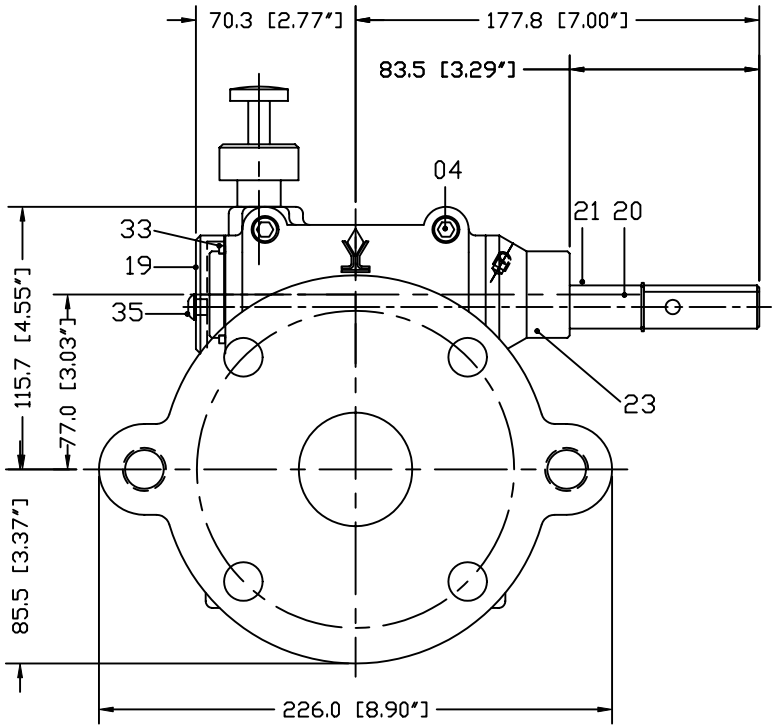

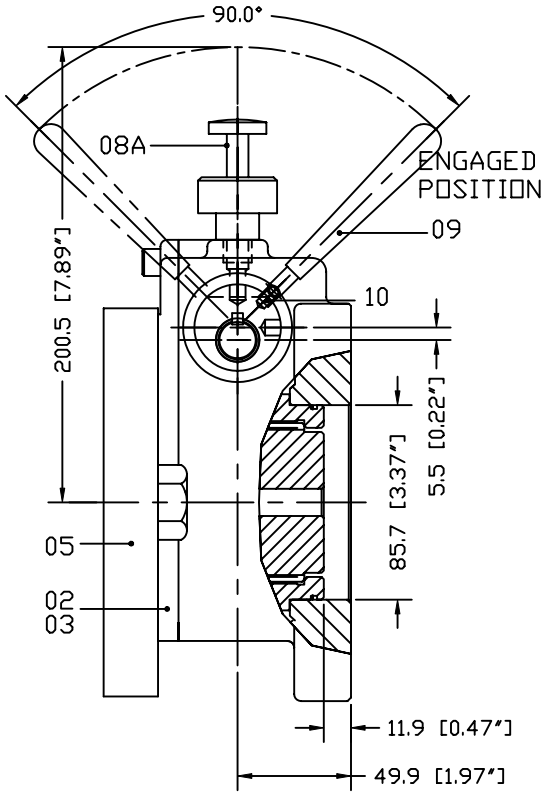

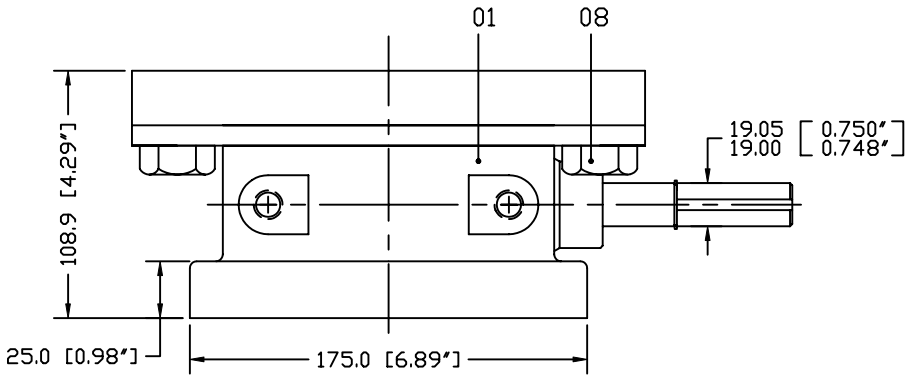

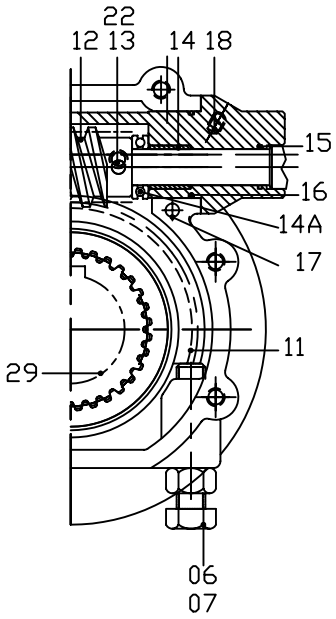

MAX. OUTPUT TORQUE [IN.LB]	MAX. INPUT TORQUE [IN.LB]	RATIO	MECHANICAL ADVANTAGE	OUTPUT ANGULAR STROKE	TURN PER 90°	WEIGHT [LB]
13,000	860	56:1	15.1	±5°	14	

MAX. ROUND BORE [IN]	MAX. SQUARE BORE [IN]	MAX. MOUNTING STRADDLE C/L [IN]	MIN. MOUNTING STRADDLE C/L [IN]	MAX. MOUNTING ON C/L [IN]	MIN. MOUNTING ON C/L [IN]	PREFERRED MOUNTING STRADDLE C/L [IN]
ø1.875 KEY:1/2x3/8	1.32	ø5.50	ø4.50	ø5.50	ø4.50	FA12 & FA14

SUPERSEDING				SUPERSEDED BY			
LET	ZONE	ECN	REVISION	DR. BY	CH. BY	APR. BY	DATE

ITEM	QTY	PART MUMBER	MATERIAL	DESCRIPTION
35	1	STEEL	BUT.HD.CAP:	1/4-20UNCx1/2"LG
33	1	SPRING STEEL 1060-1090		SNAP RING TRUARC: 5160-150 HEAVY DUTY x.109"THK
32	1	0220051A	STAINLESS ST.	NAMEPLATE
29	1	0030014A	STEEL	SPLINE SLEEVER
23	1		STAINLESS ST.	SNAP RING TRUARC: 5100-75
22	2		STEEL	1/4" NPT PLUG
21	1		STEEL	KEY, 3/16"x3/16"x2" LG
20	1	0050027B	410H STAINLESS	SHAFT
19	1	0070042C	1045 STEEL	END CAP
18	1	0070042C	1045 STEEL	ECCENTRIC SLEEVE
17	2		STEEL	DOWEL PIN, ø6.0x15mmLG
16	2		NITRILE	O-RING, 2-125, 75D
15	2		NITRILE	O-RING, 2-116, 75D
14A	2		STEEL	BEARING, THRUST, INA, EW-5/8"
14	2	0060027A	BRONZE	BEARING
13	2	80KSI HARDENED STEEL		DOWEL PIN, ø6.0mmx25.5mm LG
12	1	0030013B	4140 STEEL	WORM
11	1	0031095C	DUCTILE IRON	WORM SEGMENT
09	1	0300011B	STEEL	HANDLE
08A	1	0300013B	ASSY	LOCK PIN ASSEMBLY
08	2		STEEL	SOCK HD ,3/4-10UNCx1.25"LG
07	2		STEEL	HEX NUT 1/2-13UNC
06	2		STEEL	HHCS1/2-13UNCx2 1/4"LG
05	1	0120015B	STEEL	ADAPTER PLATE
04	6		STEEL	HHCS, 5/16-18UNCx3/4"LG
03	1	0040062C	RUBBER	GASKET
02	1	0020058D	CAST IRON	TOP COVER
01	1	0110111D	CAST IRON	MAIN HOUSING

TITLE

13DW56 WORM GEAR

DRB. BY	JN	DATE 12/09/03
ENGR. BY	JN	DATE 12/09/03
APR. BY	DS	DATE 12/09/03

DIAMOND GEAR CO. LTD.
HOUSTON, TEXAS

0201024D

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