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SFP-847 I<			SFP-847	SFP-853	SFP-862	BLANK	F1	BLANK	J5	BLANK	DR3	DR6	BLANK	D	BLANK	IND15	INDS15	BLANK	T1	T2	Т3	BLANK	SA1-SA8
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T2		T2																					
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ROTATION CRADLE SA1-SA8 X	ROTATION CRADLE	SA1-SA8	X							-	-		-										
NOTES: 1. OPTIONS SHOWN AS X ARE NOT COMPATIBLE WITH OTHER OPTIONS																							
2. OPTIONS SHOWN AS - ARE COMPATIBLE WITH OTHER OPTIONS BUT NOT RECOMMENDED. CONTACT FLOTRON FOR FURTHER DETAILS AND EXPLANATION OF CONCERNS/RISKS																							
3. OPTIONS NOT SHOWN IN THIS MATRIX ARE COMPATIBLE WITH ALL OTHER OPTIONS																							
4. JACKS WITH T3 OPTION ARE COMPATIBLE WITH SFP-862 ONLY (NOT COMPATIBLE WITH SFP-847 & SFP-853)		4. JACKS WITH T3 OPTIO	N ARE CC			P-862 ONL			E WITH S	FP-847 & S	FP-853)												
5. TOWBAR (13) OPTION WITH FORKLIFT TUBES (F1) COMPATIBLE WITH SFP-847 ONLY (NOT COMPATIBLE WITH SFP-853 & SFP-862)		5. 1000BAR (13) OPTION		RKLIFT TU	JBE2 (F1) C	LOMPATIBL		5FP-847 ON	ILT (NOT	COMPATI	RLE MILH	SFP-853 &	SFP-862)										
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particular purpose for which it is provided, and when said purpose has been fulfilled, it should be destroyed or returned 1:10 D 8053-100PROP																	particular purpose has b	pose for which been fulfilled, it	it is provided, should be de	and when said stroyed or retu	scale scale f rned	: 10 D 8053	G NO. -100PROP

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Gearbox

(blank) - Standard 60:1 Low Backlash Gearbox

- DR3 - 300:1 Low Backlash, Stairstep Resistant Gearbox. Recommended for torques higher than 2,000 in-lbs
- DR6 - 600:1 Low Backlash, Stairstep Resistant Gearbox. Recommended for torques higher than 6,000 in-lbs Must select when using drill drive "D" option.

Cordless Drill Drive Input

(blank) – No hand drill D - - - - Battery powered hand drill mounted to gearbox input shaft (Must select DR6 gearbox option)

Index Plate

(blank) - - No index plate IND15 - - 15° index plate INDS15 - 15° index plate with index stops Special index plate hole spacing available upon request. NOTE:

Interface Distance

B"XXX" - Main Beam length where "XXX"= length in inches between trunnion interface mounts. (1" increments within the following range) MODEL MIN MAX 280" 25" **SFP-847** 42" 280" SFP-853 SFP-862 55" 280"

Trunnion Interface Mounts

P12	9" x 12" mounting p
P12/A30	P12 (8 bolts 8" x 1
	30" long angle (no
P12/B30	P12 (8 bolts 8" x 1
	(with standard more
NOTE:	Special interface angle

plate with 8 thru holes 12") mounting plate and standard mounting holes) bolted to the P12. 12") mounting plate and 30" long angle ounting hole pattern) bolted to the P12. gle lengths available upon request

SFP-800 SERIES CREATING A MODEL NUMBER

Example:

SFP <u>C</u>	- <u>853</u>
	1
29	53"
Clean room	frame
finishes	width



<u>J2</u>

P12/A30

B 120

Jacks with removable crank Angle Interface 30" length

Inside Length between Trunnion interfaces = 120"

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(DR3) GEARBOX OPTION (300:1) FOR HIGH ECCENTRICITY HAND CRANK APPLICATION NON-BACKDRIVING WITH 300:1 RATIO DUAL STAGE WORM GEAR DRIVE.

SET CLUTCH TO 250 IN-LBS FOR **DR3** (300:1) RATIO GEARBOX PRIOR TO ASSEMBLY

DR3 GEARBOX TORQUE CAPACITY: 12,000 IN-LBS-DR3 GEARBOX MAX EASY CRANK TORQUE: 6,000 IN-LBS (EASY CRANK IS DEFINED AS A 12 LB INPUT FORCE ON THE CRANK HANDLE)

> FLYWHEEL COMES STANDARD WITH 300:1 RATIO GEARBOX TO PREVENT STAIR-STEPPING (STICK-SLIP) IN GEARBOX FOR HIGH INERTIA PAYLOADS.

> > LUBRICATE WITH LOCTITE 242 (BLUE) AND TORQUE 1/2-13 FASTENERS TO 66-75 FT-LB

INDEX PLATE INCREASES OAH OF DR3 & DR6 OPTIONS1.61

-MAKE SURE COLLAR AND SHAFT WELDMENT ARE BOTH PUSHED TIGHTLY AGAINST GEARBOX BEFORE TIGHTENING COLLAR. TORQUE COLLAR TO 29-34 FT-LBS (DRY)

-CAUTION: INDEX PIN MUST BE **REMOVED PRIOR TO ROTATION.** FAILURE TO REMOVE PIN COULD DAMAGE INDEX PLATE OR GEARBOX.



WHEN **D** OPTION IS CHOSEN, **DR6** GEARBOX WILL HAVE A 600:1 RATIO. DRILL MAX RPM IS 300 RESULTING IN A MAX OUTPUT PAYLOAD ROTATION OF .5 RPM. WITH **D** OPTION, FULL GEARBOX TORQUE CAPACITY CAN BE USED. COMES STANDARD WITH CLUTCH BETWEEN THE GEARBOX AND HAND CRANK TO PREVENT OVER-TORQUE OF GEARBOX IN CASE INDEX PIN WAS NOT REMOVED BEFORE ROTATION OR PAYLOAD ECCENTRICITY IS TOO HIGH.



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DRILL DRIVE OPTION (D) WITH (DR6) GEARBOX



NOTE: DRILL DRIVE INCREASES OVERALL LENGTH AND WIDTH OF FIXTURE BY DIMENSIONS INDICATED

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TRUNNION INTERFACE MOUNT OPTIONS



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