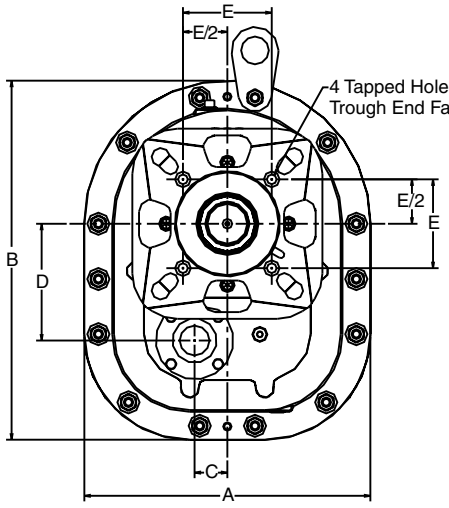
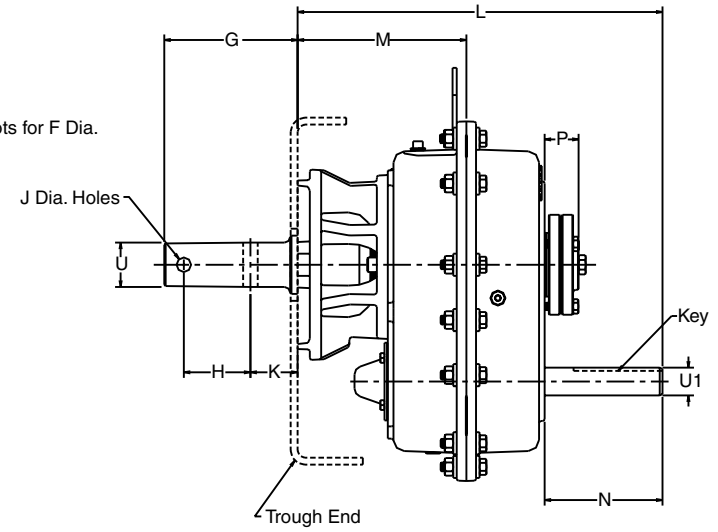
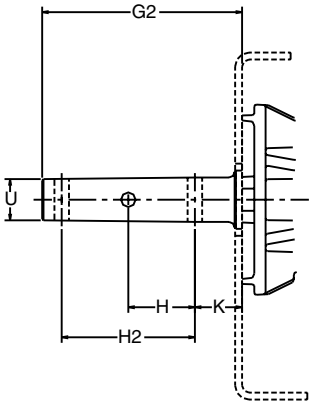
SMTP Screw Conveyor Drives







Optional 3 Hole Shaft



BASIC UNIT SIZE	DIMENSIONS IN INCHES									KEY
	A	B	C	D	L	M	N	P	U1	
107SMTP	9.76	12.07	1.18	3.77	13.73	6.90	4.08	1.61	0.75	.188 x .188 x 2.88
115SMTP	11.00	14.08	1.35	4.36	14.35	7.14	4.24	1.72	1.13	.250 x .250 x 2.75
203SMTP	12.88	16.16	1.48	5.26	16.44	7.60	5.31	1.72	1.25	.250 x .250 x 3.88
207SMTP	14.50	18.47	1.63	6.08	17.35	8.51	5.12	1.80	1.44	.375 x .375 x 3.75
215SMTP	16.25	20.88	2.12	7.01	19.27	9.25	5.87	1.93	1.88	.500 x .500 x 3.75
307SMTP	19.04	24.37	2.25	7.78	23.03	10.94	7.45	2.52	2.00	.500 x .500 x 6.50
315SMTP	19.90	26.35	2.63	8.53	25.14	11.56	8.32	2.90	2.13	.500 x .500 x 7.50
407SMTP_B	21.69	27.80	3.13	9.24	23.89	12.06	6.70	2.58	2.13	.500 x .500 x 6.00

DRIVE SHAFT DIA. "U"	FOR SCREW DIA.	DIMENSIONS IN INCHES							
		E	F	G	G2	H	H2	J	K
1.50	6,9	4.00	0.50	6.00	9.00	3.00	6.00	0.53	2.13
2.00	9-12	5.13	0.63	6.00	9.00	3.00	6.00	0.66	2.13
2.44	12,14	5.63	0.63	6.69	9.69	3.00	6.00	0.66	2.75
3.00	12-20	6.00	0.75	6.88	9.88	3.00	6.00	0.78	2.88
3.44	18-24	6.75	0.75	9.13	13.13	4.00	8.00	0.91	3.88

SMTP Screw Conveyor Drives

STOCK SMTP REDUCER (1)	TYPE SMTP SCREW CONVEYOR ADAPTER	TYPE SMTP SCREW CONVEYOR SHAFT (2)	OPTIONAL SEAL CARTRIDGES		FELT SEAL (3)
			WASTE PACK KIT	PACKING GLAND KIT	
1 1/2" DRIVE SHAFT - FOR SCREW DIAMETERS 6 - 10"					
107SMTP_ _	107SCA-P	107DSP108_ _	107WPP	107PGP	FR200
115SMTP_ _	115SCA-P	115DSP108_ _	115-203WPP	115-203PGP	FR210
203SMTP_ _	203SCA-P	203DSP108_ _			
2" DRIVE SHAFT - FOR SCREW DIAMETERS 9 - 12"					
107SMTP_ _	107SCA-P	107DSP200_ _	107WPP	107PGP	FR200
115SMTP_ _	115SCA-P	115DSP200_ _	115-203WPP	115-203PGP	FR210
203SMTP_ _	203SCA-P	203DSP200_ _			
207SMTP_ _	207SCA-P	207DSP200_ _	207-407WPP	207-407PGP	FR308
215SMTP_ _	215SCA-P	215DSP200_ _			
2 7/16" DRIVE SHAFT - FOR SCREW DIAMETERS 12 and 14"					
107SMTP_ _	107SCA-P	107DSP207_ _	107WPP	107PGP	FR200
115SMTP_ _	115SCA-P	115DSP207_ _	115-203WPP	115-203PGP	FR210
203SMTP_ _	203SCA-P	203DSP207_ _			
207SMTP_ _	207SCA-P	207DSP207_ _	207-407WPP	207-407PGP	FR308
215SMTP_ _	215SCA-P	215DSP207_ _			
3" DRIVE SHAFT - FOR SCREW DIAMETERS 12 - 20"					
107SMTP_ _	107SCA-P	107DSP300_ _	107WPP	107PGP	FR200
115SMTP_ _	115SCA-P	115DSP300_ _	115-203WPP	115-203PGP	FR210
203SMTP_ _	203SCA-P	203DSP300_ _			
207SMTP_ _	207SCA-P	207DSP300_ _	207-407WPP	207-407PGP	FR308
215SMTP_ _	215SCA-P	215DSP300_ _			
307SMTP_ _	307SCA-P	307DSP300_ _	207-407WPP	207-407PGP	FR308
315SMTP_ _	315SCA-P	315DSP300_ _			
407SMTP_ _B	407SCA-PB	407DSP300_ _B			
3 7/16" DRIVE SHAFT - FOR SCREW DIAMETERS 18 - 24"					
207SMTP_ _	207SCA-P	207DSP307_ _	207-407WPP	207-407PGP	FR308
215SMTP_ _	215SCA-P	215DSP307_ _			
307SMTP_ _	307SCA-P	307DSP307_ _	207-407WPP	207-407PGP	FR308
315SMTP_ _	315SCA-P	315DSP307_ _			
407SMTP_ _B	407SCA-PB	407DSP307_ _B			

Shaft stress based on transmitted load must always be checked. Calculations must account for drilled holes on shaft.

SMTP screw conveyor drives may be assembled in the field.

Required components include:
- SMTP reducer
- SMTP screw conveyor adapter
- SMTP screw conveyor shaft

Optional components include:
- Waste pack
- Packing gland
- Felt seal

(1) Complete part number by adding ratio, ie: 05, 09, 15, 25 or 35

(2) Complete part number by adding shaft type

Standard	2 hole steel shaft	= leave blank (example 107DSP108)
Optional	3 hole steel shaft	= -3 (example 107DSP108-3)
	2 hole stainless steel shaft	= SS (example 107DSP108SS)
	3 hole stainless steel shaft	= -3SS (example 107DSP108-3SS)

(3) Felt seal can be added to the waste pack or packing gland seal cartridge.



Screw Conveyor Adapter Kit



Waste Pack Kit



Packing Gland Kit



Screw Conveyor Drive Shaft Kit