

SMTP Screw Conveyor Drives

STOCK SMTP REDUCER (1)	TYPE SMTP SCREW CONVEYOR ADAPTER	TYPE SMTP SCREW CONVEYOR SHAFT (2)	OPTDNAL SEAL CARTRDGES		FELT SEAL (3)
			WASTE PACK KIT	PACKNG 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)
 - 3 hole steel shaft = -3 (example 107DSP108-3)
- Optional
 - 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

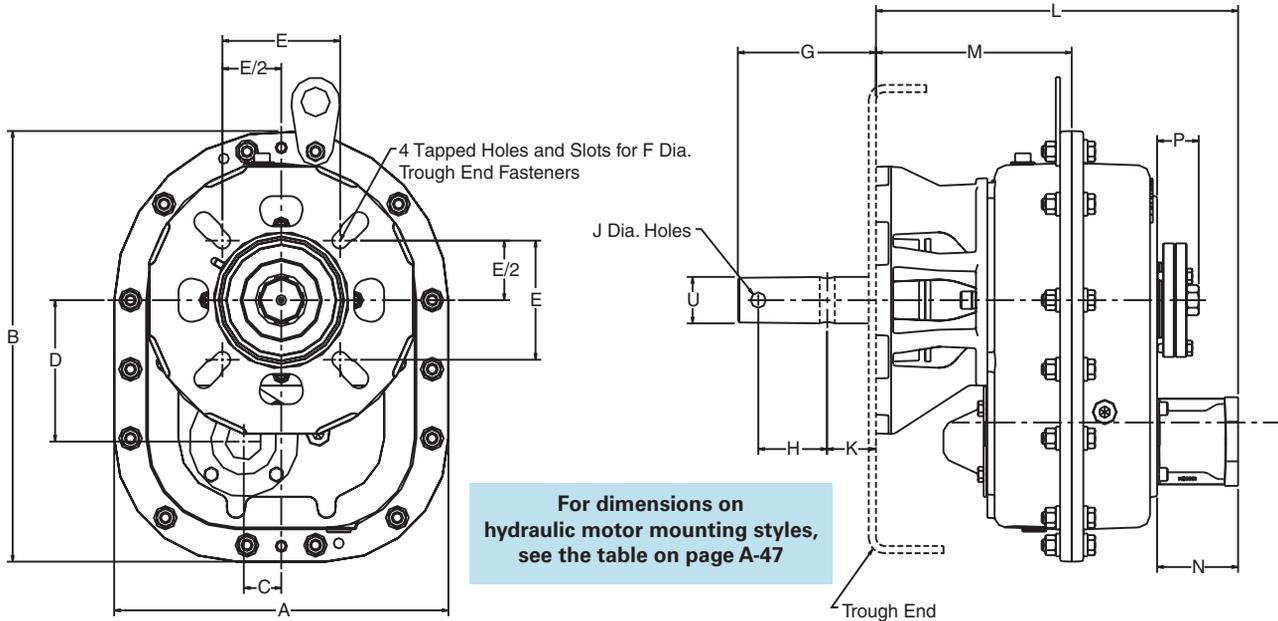


Packing Gland Kit



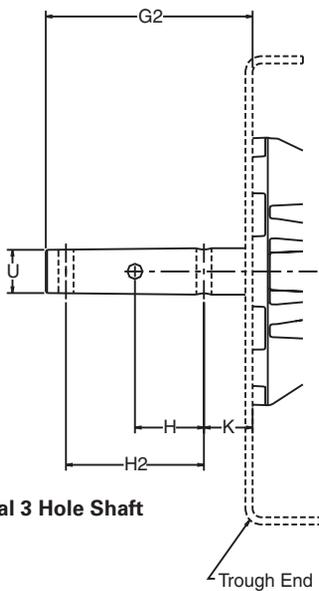
Screw Conveyor Drive Shaft Kit

HMTP Screw Conveyor Drives



For dimensions on hydraulic motor mounting styles, see the table on page A-47

Standard 2 Hole Shaft



Optional 3 Hole Shaft

BASIC UNIT SIZE	DIMENSIONS IN INCHES	
	L	N
107HMTP 6B SAE-A2	12.72	3.08
107HMTP 9T SAE-A2	12.72	3.08
107HMTP 13T SAE-B2	13.21	3.56
115HMTP 6B SAE-A2	13.19	3.08
115HMTP 9T SAE-A2	13.19	3.08
115HMTP 13T SAE-B2	13.67	3.56
203HMTP 6B SAE-A2	14.71	3.58
203HMTP 9T SAE-A2	14.71	3.58
203HMTP 13T SAE-B2	14.90	3.77
203HMTP 14T SAE-C4	15.21	4.08
207HMTP 6B SAE-A2	15.75	3.52
207HMTP 13T SAE-B2	15.94	3.71
207HMTP 14T SAE-C4	16.25	4.02
215HMTP 6B SAE-A2	17.11	3.72
215HMTP 13T SAE-B2	17.10	3.71
215HMTP 14T SAE-C4	17.66	4.27
307HMTP 6B SAE-A2	19.23	3.65
307HMTP 14T SAE-C4	19.78	4.20
315HMTP 6B SAE-A2	20.47	3.65
315HMTP 14T SAE-C4	21.02	4.20

BASIC UNIT SIZE	DIMENSIONS IN INCHES					
	A	B	C	D	M	P
107HMTP	9.76	12.07	1.18	3.77	6.90	1.61
115HMTP	11.00	14.08	1.35	4.36	7.14	1.72
203HMTP	12.88	16.16	1.48	5.26	7.60	1.72
207HMTP	14.50	18.47	1.63	6.08	8.51	1.80
215HMTP	16.25	20.88	2.12	7.01	9.25	1.93
307HMTP	19.04	24.37	2.25	7.78	10.94	2.52
315HMTP	19.90	26.35	2.63	8.53	11.56	2.90

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

HMTP Screw Conveyor Drives

STOCK HMTP 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"					
107HMTP__	107SCA-P	107DSP108__	107WPP	107PGP	FR200
115HMTP__	115SCA-P	115DSP108__	115-203WPP	115-203PGP	FR210
203HMTP__	203SCA-P	203DSP108__			
2" DRIVE SHAFT -FOR SCREW DIAMETERS 9 -12"					
107HMTP__	107SCA-P	107DSP200__	107WPP	107PGP	FR200
115HMTP__	115SCA-P	115DSP200__	115-203WPP	115-203PGP	FR210
203HMTP__	203SCA-P	203DSP200__			
207HMTP__	207SCA-P	207DSP200__	207-407WPP	207-407PGP	FR308
215HMTP__	215SCA-P	215DSP200__			
2 7/16" DRIVE SHAFT -FOR SCREW DIAMETERS 12 and 14"					
107HMTP__	107SCA-P	107DSP207__	107WPP	107PGP	FR200
115HMTP__	115SCA-P	115DSP207__	115-203WPP	115-203PGP	FR210
203HMTP__	203SCA-P	203DSP207__			
207HMTP__	207SCA-P	207DSP207__	207-407WPP	207-407PGP	FR308
215HMTP__	215SCA-P	215DSP207__			
3" DRIVE SHAFT -FOR SCREW DIAMETERS 12 -20"					
107HMTP__	107SCA-P	107DSP300__	107WPP	107PGP	FR200
115HMTP__	115SCA-P	115DSP300__	115-203WPP	115-203PGP	FR210
203HMTP__	203SCA-P	203DSP300__			
207HMTP__	207SCA-P	207DSP300__	207-407WPP	207-407PGP	FR308
215HMTP__	215SCA-P	215DSP300__			
307HMTP__	307SCA-P	307DSP300__	207-407WPP	207-407PGP	FR308
315HMTP__	315SCA-P	315DSP300__			
3 7/16" DRIVE SHAFT -FOR SCREW DIAMETERS 18 -24"					
207HMTP__	207SCA-P	207DSP307__	207-407WPP	207-407PGP	FR308
215HMTP__	215SCA-P	215DSP307__			
307HMTP__	307SCA-P	307DSP307__	207-407WPP	207-407PGP	FR308
315HMTP__	315SCA-P	315DSP307__			

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

HMTP screw conveyor drives may be assembled in the field.

Required components include: HMTP 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)
 - 3 hole steel shaft = -3 (example 107DSP108-3)
 - Optional L { 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 or packing gland pack seal cartridge.



Screw Conveyor Adapter Kit



Waste Pack Kit

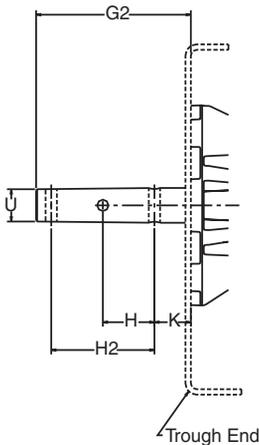
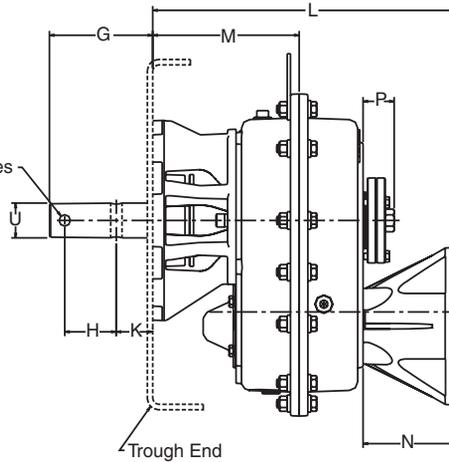
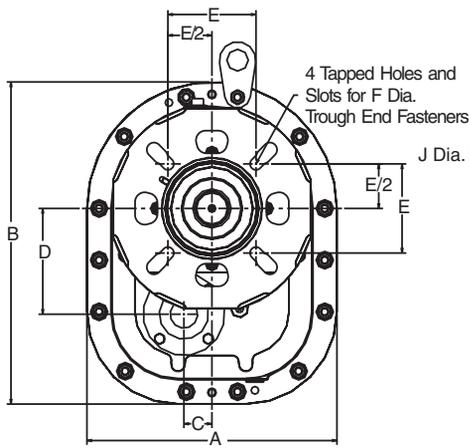


Packing Gland Kit



Screw Conveyor Drive Shaft Kit

CMTP Screw Conveyor Drives



Optional 3 Hole Shaft

Standard 2 Hole Shaft

PART NO.	DIMENSIONS IN INCHES	
	L	N
107CM TP Q 56	12.97	3.32
107CM TP Q 140	12.97	3.32
115CM TP Q 56	13.43	3.32
115CM TP Q 140	13.43	3.32
115CM TP Q 180	15.72	5.61
203CM TP Q 56	14.95	3.82
203CM TP Q 140	14.95	3.82
203CM TP Q 180	16.73	5.61
203CM TP Q 210	16.73	5.61
207CM TP Q 56	16.00	3.76
207CM TP Q 140	16.00	3.76
207CM TP Q 180	17.77	5.55
207CM TP Q 210	17.77	5.55
215CM TP Q 56	17.22	3.83
215CM TP Q 140	17.22	3.83
215CM TP Q 180	19.25	5.86
215CM TP Q 210	19.25	5.86
215CM TP Q 250	19.25	5.86
307CM TP Q 56	19.34	3.76
307CM TP Q 140	19.34	3.76
307CM TP Q 180	21.37	5.79
307CM TP Q 210	21.37	5.79
307CM TP Q 250	21.37	5.79
315CM TP Q 56	20.58	3.76
315CM TP Q 140	20.58	3.76
315CM TP Q 180	22.61	5.79
315CM TP Q 210	22.61	5.79
315CM TP Q 250	22.61	5.79

BASIC UNIT SIZE	DIMENSIONS IN INCHES					
	A	B	C	D	M	P
107CM TP	9.76	12.07	1.18	3.77	6.90	1.61
115CM TP	11.00	14.08	1.35	4.36	7.14	1.72
203CM TP	12.88	16.16	1.48	5.26	7.60	1.72
207CM TP	14.50	18.47	1.63	6.08	8.51	1.80
215CM TP	16.25	20.88	2.12	7.01	9.25	1.93
307CM TP	19.04	24.37	2.25	7.78	10.94	2.52
315CM TP	19.90	26.35	2.63	8.53	11.56	2.90

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

CMTP Screw Conveyor Drives

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115CMTP__	115SCA-P	115DSP207__	115-203WPP	115-203PGP	FR210
203CMTP__	203SCA-P	203DSP207__			
207CMTP__	207SCA-P	207DSP207__	207-407WPP	207-407PGP	FR308
215CMTP__	215SCA-P	215DSP207__			
3" DRIVE SHAFT -FOR SCREW DIAMETERS 12 -20"					
107CMTP__	107SCA-P	107DSP300__	107WPP	107PGP	FR200
115CMTP__	115SCA-P	115DSP300__	115-203WPP	115-203PGP	FR210
203CMTP__	203SCA-P	203DSP300__			
207CMTP__	207SCA-P	207DSP300__	207-407WPP	207-407PGP	FR308
215CMTP__	215SCA-P	215DSP300__			
307CMTP__	307SCA-P	307DSP300__	207-407WPP	207-407PGP	FR308
315CMTP__	315SCA-P	315DSP300__			
3 7/16" DRIVE SHAFT -FOR SCREW DIAMETERS 18 -24"					
207CMTP__	207SCA-P	207DSP307__	207-407WPP	207-407PGP	FR308
215CMTP__	215SCA-P	215DSP307__			
307CMTP__	307SCA-P	307DSP307__	207-407WPP	207-407PGP	FR308
315CMTP__	315SCA-P	315DSP307__			

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 - 3 hole steel shaft = -3 (example 107DSP108-3)
 - Optional ___ 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