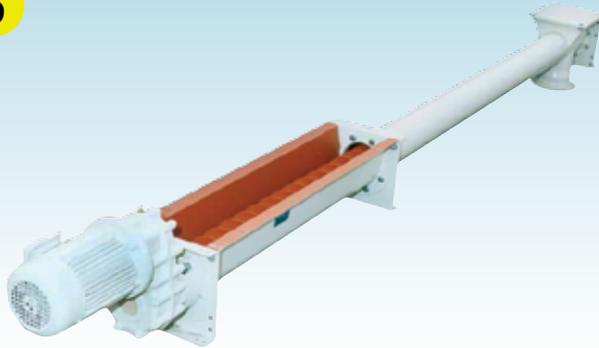


# Paint & Varnish Processing

## Single Shaft Screw Feeders SU



6



### Description ▼

SU-type Single Shaft Screw Feeders are highly versatile offering numerous solutions for conveying powdery or granular materials. SU Screw Feeders are manufactured from carbon steel or stainless steel with a suitable surface finishing. The inlet section is made up from a U or V-shape trough and a tubular outlet section that is equipped with an outlet. There is an end plate at each trough end, helicoid screw flighting welded on a centre pipe with a coupling bush at each end and two end bearing assemblies complete with shaft sealing unit. Furthermore, SU Screw Feeders, which come in a medium heavy-duty design, are equipped with a gear motor that suits the application.

### Function ▼

According to the cross section of the silo outlet, SU-type Single Shaft Screw Feeders are available with standard U-shaped or with flared V-section trough. For wet or dry sludge an extra heavy-duty version is available too.



### Application ▼

SU Single-shafted Screw Feeders are used for discharging poorly flowing materials from hoppers or silos with a rectangular outlet.

### Benefits ▼

- ✓ Prevention of bridging, rat holing and segregation and improvement of material flow;
- ✓ Maintenance-free intermediate cast hanger bearings with self-lubricating slide bushes.

# Paint & Varnish Processing

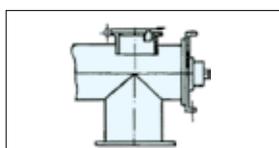
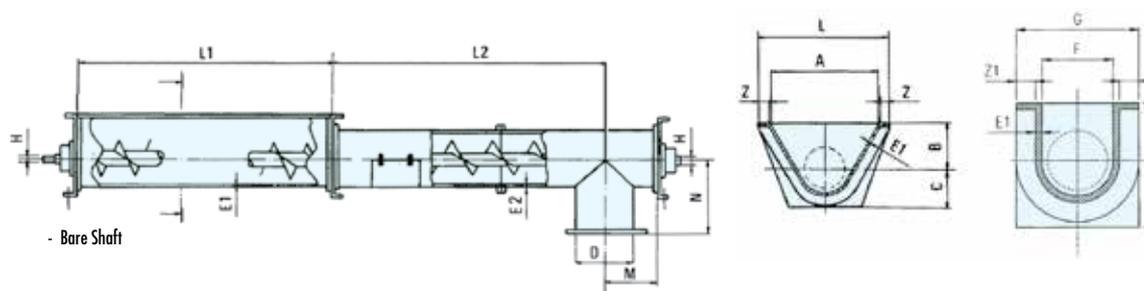
## Single Shaft Screw Feeders SU



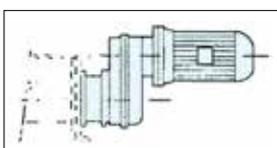
### Technical Features / Performance

- ▶ Powder-coated
- ▶ Constant feed rates
- ▶ Modular design enables easy access and individual custom-design features
- ▶ Sturdy design
- ▶ Medium-heavy-duty helicoid flighting welded on centre pipe
- ▶ Medium-heavy-duty trough in modular flanged sections
- ▶ Open trough section with drilled trough WAM® standard flange
- ▶ Round outlet with drilled WAM® standard flange
- ▶ Robust cast iron body flanged end bearing assemblies with external bearing units and manually adjustable packing gland seals
- ▶ Splined or bolted shaft couplings
- ▶ Drive units mounted at inlet or outlet end
- ▶ Direct drives in a compact version, or with coupling transmission, or with chain or belt transmission

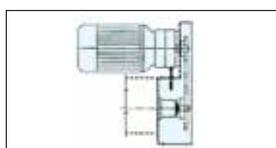
### Overall Dimensions



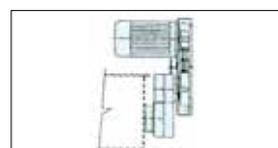
- Overflow Hatch Flap



- Direct Drive



- Chain Transmission



- Pulley Drive

Trough screw conveyors and feeders are manufactured to the customer's requirements by means of standard components available from stock, thus enabling quick delivery.

Screw Ø	Trough U-V		Tubular trough Ø			A	B	C	D	F	G	H	L	M	N*	Q	Z	Z1
	L1	E1	Ø	E2	L2													
100	500 750 1,000	2	114	3	VAR.	175	115	145	114	-	-	25	265	120	120	-	40	-
120	500 750 1,000	2	139	3	VAR.	175	115	145	168	-	-	25	265	120	210	-	40	-
150	500 750 1,000 1,250	2	168	4	VAR.	375	175	145	168	175	265	35	485	140	175	115	50	40
200	500 750 1,000 1,250	2	219	4	VAR.	425	200	185	219	225	315	35	540	160	205	135	50	40
250	500 750 1,000 1,250	2	273	4	VAR.	525	225	215	273	275	365	35	655	180	250	160	60	40
300	500 1,000 1,250 1,500	3	323	4	VAR.	525	250	245	323	325	435	55	655	220	300	195	60	50
350	1,000 1,250 1,500	3	406	5	VAR.	625	270	275	406	375	485	55	755	280	360	235	60	50
400	1,000 1,250 1,500	3	457	5	VAR.	730	290	305	457	425	540	55	900	320	420	270	80	50

Dimensions mm

\* For cylindrical outlet (in compliance with WAM® standard)

*This datasheet might not show the complete range but only the models specialised for the application.*



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