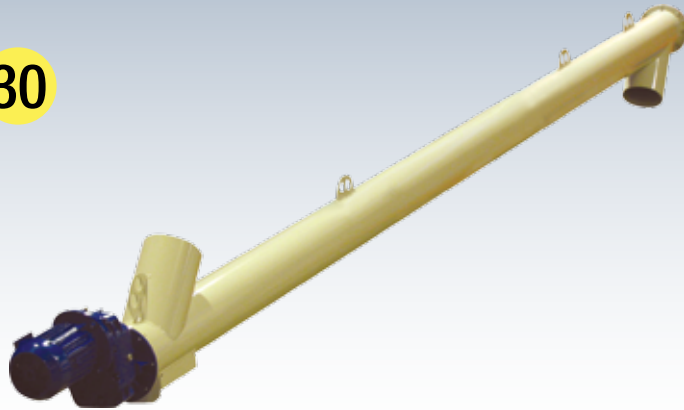


Lime Dosing

Tubular Screw Feeders TU

30



Description ▼

TU Tubular Screw Feeders are highly versatile offering numerous solutions for feeding and conveying powdery materials. They are manufactured from carbon steel with a suitable surface finishing. They are made up from a tubular trough that is equipped with at least one inlet and outlet spout, a welded flange at each tube end, helicoid screw flighting welded on a centre pipe with a coupling bush at each end, two end bearing assemblies complete with self-adjusting shaft sealing unit, a number of intermediate hanger bearings depending on the overall length of the screw conveyor. Furthermore, TU Tubular Screw Feeders are equipped with a gear motor that suits the application. They come in a medium-heavy-duty design.

Function ▼

TU Tubular Feeders are highly versatile and offer a variety of standard solutions for handling powders. A powdery material such as lime is discharged from a silo, picked up by the TU Screw Feeder and fed into a milk of lime dissolver.



Application ▼

Lime is stored in a silo from where it is discharged by means of a vibratory bin activator into a screw feeder which transfers the lime to a dissolver for the preparation of milk of lime.

Benefits ▼

- ✓ Easy installation;
- ✓ Durable;
- ✓ Small diameter;
- ✓ Great efficiency;
- ✓ Precise feed rates;
- ✓ Modular design offering great variety of options;
- ✓ Optimum price-performance ratio.

Lime Dosing

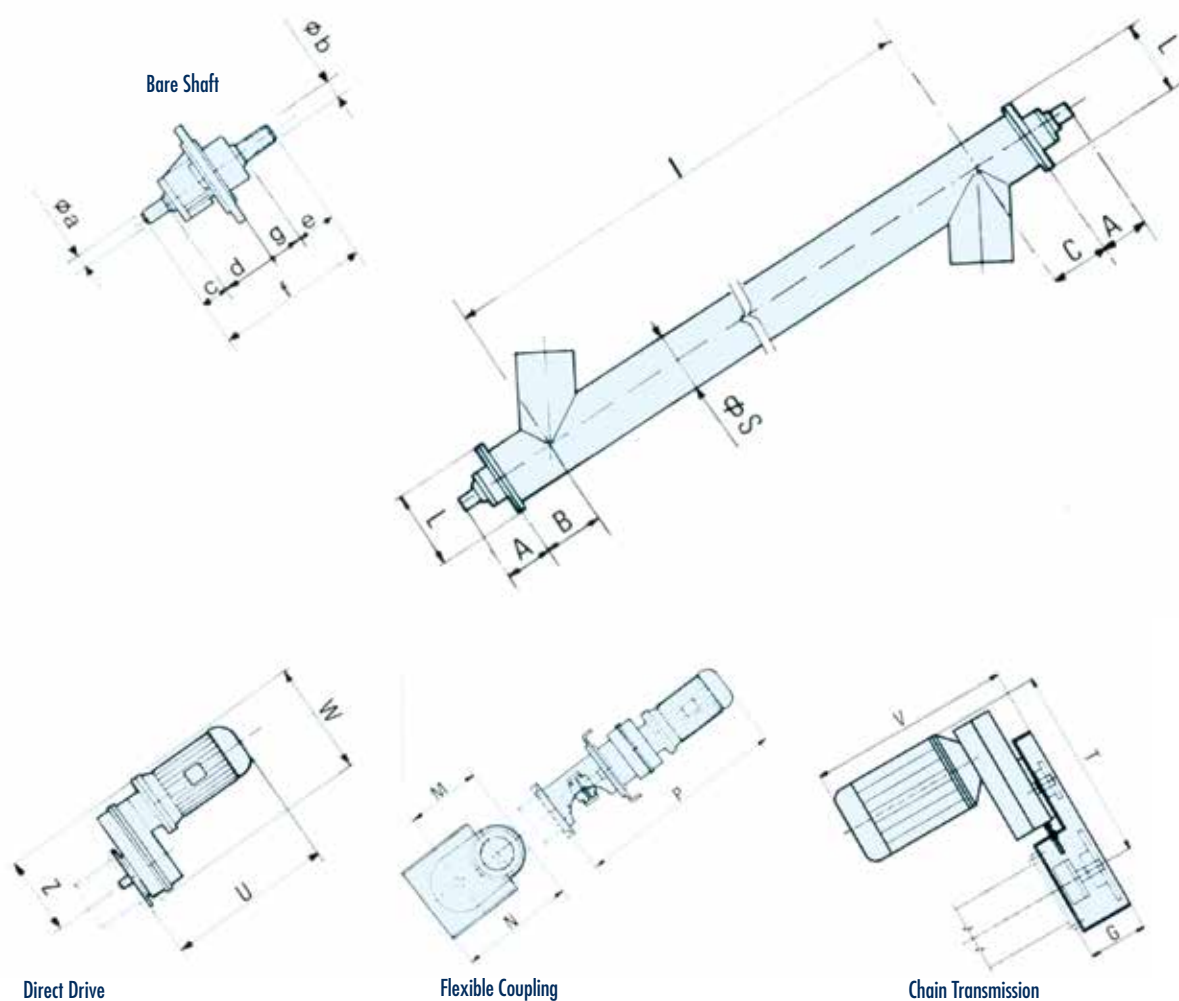
Tubular Screw Feeders TU



Technical Features / Performance ▼

- ▶ Powder-coated
- ▶ Wide range of outside tube diameters
- ▶ Outside tube complete with welded end flanges, one inlet, one outlet, inspection hatch beneath inlet and each intermediate hanger bearing
- ▶ Helicoid screw flighting welded on centre pipe
- ▶ End bearing assemblies complete with self-adjusting shaft sealing unit
- ▶ Splined shaft couplings
- ▶ Lifting eyes on each tube section
- ▶ Various types of screw flighting
- ▶ Reduced overall dimensions and compact design
- ▶ Small number of components and spare parts

Overall Dimensions



Ø SCREW	A	B**	C**	G	I	L	M	N	P	S	T	U	V	W	Z	a	b DIN 5482	c	d	e	f	g
114	131.0	140	120	150		190	268	413	790	114	600	559	600	368	268	25	28 x 25	50	81.0	65	250	54.0
139	131.0	140	120	150		190	268	413	790	139	600	559	600	368	268	25	28 x 25	50	81.0	65	250	54.0
168	172.5	160	140	190		250	330	450	890	168	650	581	650	420	305	35	40 x 36	55	117.5	85	330	72.5
193	172.5	170	150	200	*	280	376	450	890	193	775	581	760	420	305	35	40 x 36	55	117.5	85	330	72.5
219	172.5	180	160	200		275	400	490	890	219	775	581	760	420	305	35	40 x 36	55	117.5	85	330	72.5
273	172.5	220	180	200		330	400	520	890	273	820	581	780	420	305	35	40 x 36	55	117.5	85	330	72.5
323	172.5	220	220	200		330	400	645	1180	323	850	868	780	540	400	35	40 x 36	55	117.5	85	330	72.5

* For flange inspection hole, catalogue of 10 mm

**Valid for round inlet and outlet spouts. For square or rectangular inlets and outlets check in the TU-catalogue or contact our local sales office.

This datasheet does not show the complete range but only the models most suitable for the application.