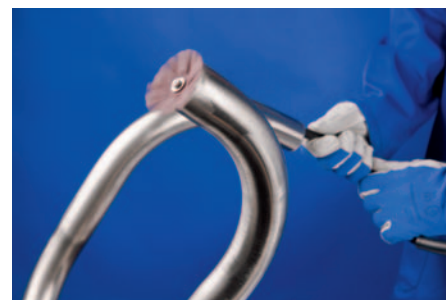


Flexible shaft drives

Special flexible shafts for tube and pipe applications



Flexible shaft PST-T

for inner grinding and cleaning of pipes

- These special flexible shafts **do not** have a handpiece for tool attachment and are particularly flexible near the product end.
- POLISTAR-TUBE abrasive stars (see catalogue 204 for more information) are mounted directly onto the threaded core of the flexible shaft with a mounting screw.
- POLINOX® cross buffs (see catalogue 204) and nylon tube brushes (see catalogue 208) are mounted with a screw-adapter for use.
- This combination is excellent for step-by-step finish grinding and cleaning of the insides of tubes, pipes, and pipe bends. Both ends of the pipe can be worked from the same access point.
- Flexible shaft motors with stepless speed regulation are recommended as drives for this system. Particularly the RUER 15/30 SI 120 V (see page 52 for details).

Recommendations for use

- Before product is inserted into the pipe with the shaft, the tool should be pre-formed and adapted to the pipe diameter.
- Reduce the rotational speed of the product during insertion.
- Pipes with more than three pipe bends should be ground from both ends of the pipe if possible.
- When the product emerges from the pipe end, it can be pulled back while still in rotation. The rear of the POLISTAR-TUBE deburrs the pipe end and also grinds the inside of the pipe during the backward movement.
- All flexible shaft drives with a speed range of 1,500 - 7,650 RPM and flexible shaft connection DIN 10 can be used.

Flexible shaft 4 PST-T DIN10/M4

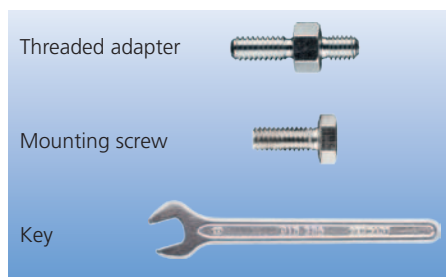
- For use with POLISTAR-TUBE diameters from 2" to 3-1/8", POLINOX® cross buff diameters from 3/4" to 2", and threaded nylon tube brushes with 8-32 UNC thread using the AD M4 adapter EDP 95810.
- Maintenance set 4 ZG for flexible shaft maintenance, EDP 96104.

Flexible shaft 7 PST-T DIN10/M5

- Only for use with POLISTAR-TUBE diameters from 3-1/2" to 4", POLINOX® cross buff diameters from 3/4" to 2", and threaded nylon tube brushes with 8-32 UNC thread using the AD M5 adapter EDP 95811.
- Maintenance set 7 ZG for flexible shaft maintenance, EDP 96107.

Please observe the recommended and max. permissible product rotational speeds when setting the motor speed.

EDP number	Model number	Drive-side coupling			Product mounting			Diameter x length		Weight [lb]
		connection	dia. [in]	dia. [mm]	thread	dia. [in]	dia. [mm]	nominal [in]	metric [mm]	
Flexible shaft										
94264	BW 4 PST-T DIN 10/M4	DIN 10	1.18	30	M4	0.16	4	1/2 x 61	13 x 1,550	1.06
94274	BW 7 PST-T DIN 10/M5	DIN 10	1.18	30	M5	0.20	5	3/4 x 81	18 x 2,052	2.91
Replacement core										
94978	SE 4 PST-T DIN 10/M4	DIN 10	M10		M4	0.16	4	3/16 x 60-5/8	4 x 1,540	0.27
94988	SE 7 PST-T DIN 10/M5	DIN 10	M10		M5	0.20	5	1/4 x 80	7 x 2,042	0.99
Replacement casing										
94775	SCH 4 PST-T DIN 10/M4	DIN 10	1.18	30	–	–	–	1/2 x 60-1/2	13 x 1,550	0.79
94786	SCH 7 PST-T DIN 10/M5	DIN 10	1.18	30	–	–	–	3/4 x 81	18 x 2,052	1.92



EDP number	Description	Product mounting	Suitable for flexible shaft [EDP no.]
95810	threaded adapter for M4 shaft	8-32 UNC thread	94264
95811	threaded adapter for M5 shaft	8-32 UNC thread	94274
97557	POLISTAR-TUBE M4 mounting screw	dia. 4 mm	94264
97558	POLISTAR-TUBE M5 mounting screw	dia. 5 mm	94274
93327	7 mm key	–	94264
93328	8 mm key	–	94274