Conveyor Screws

(Utility model registered) (Design registered)
Ministry of Health and Welfare Notice No. 20 approved product

Proside®

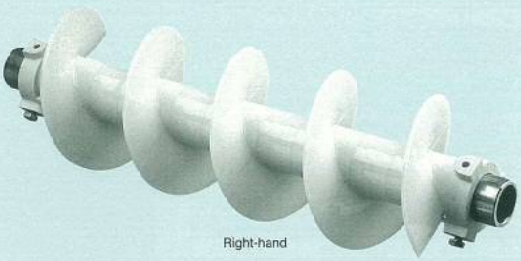
Applications

Carrying rice, wheat, feed, beans, flour, silica, casting sand and other bulk materials

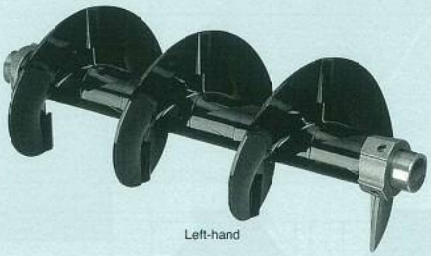
Features

● Lightweight
Prosice is extremely light (specific gravity of nylon is 1.14 compared to that of iron (7.85)), thereby reducing load on the motor.
● Hygienic and economical
Free from rust formation, Proside is very clean. Nylon is also more affordably priced and economical than stainless steel.
● Efficient assembly
Can be combined to fit any length and assembly is very easy. Without the need for welding and sanding, as is necessary with metal, assembly takes less time and is more efficient.
● Abrasion-resistant
Proside features outstanding resistance to abrasion.
● Resistant to chemicals
Proside is not affected by weak acic and alkali. (However, acid materials should not be used.)
● Heat-resistant
The standard version withstands temperatures up to 60℃ and the heat-resistant version up to 100℃.

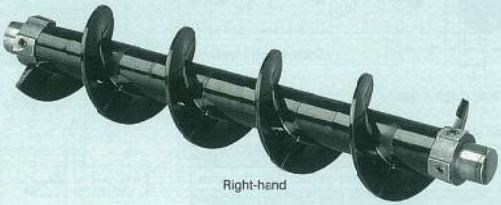
Note: *Cold-resistant models (as low as -20℃) and antisatic models can also be custom-made.
*Screw blade outer diameter can be reduced.
*Consult us when the unit is to be used underwater.



Right-hand



Left-hand

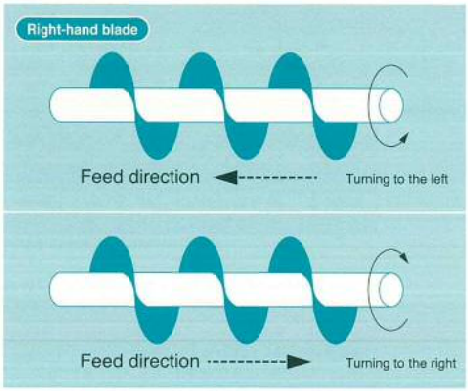


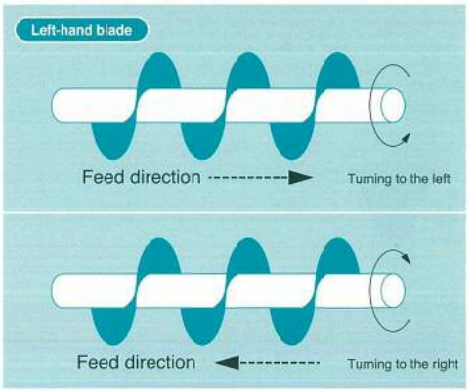
Right-hand

■ Proside configuration examples

〈Shorter shaft configuration〉

〈Tapered outer diameter configuration〉





■ Proside – Dimensions

〈3-unit combination〉

〈Single unit (1½ pitch)〉

■ Proside (nylon) – Specifications

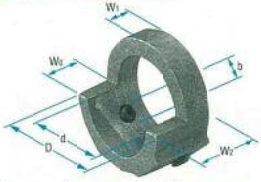
(Unit: mm)

Style	Model		Winding direction	D (blade dia.) tolerance ±1.0	d-o Sleeve outer dia.	d-i Sleeve inner dia.	Outer dia. of pipe used as shaft	Thickness at blade end	Thickness at blade base	P (pitch) tolerance ±1.0	No. of combined units per meter	ℓ1	ℓ2	ℓ3	Color		
															Standard	Heat-rsistant	Antistatic
Standard	2½	200RI	Right	63	27.0	20.2	20.0	2.4	5.0	60	33	6.9	23.0	36.8	White/black	——	——
		254LI	Left	65	33.0	25.6	25.4	2.2	3.5	77	26	5.0	33.3	43.3	White	——	——
		254RII	Right	65	33.0	25.6	25.4	2.2	3.5	77	26	5.0	33.5	43.5	black	——	——
	3⅛	200RI	Right	80	28.3	20.2	20.0	2.5	7.0	70	29	8.0	27.0	43.0	White/black	Light yellow	——
		254LI	Left	80	33.0	25.6	25.4	2.5	3.5	74	27	7.9	29.2	45.0	White	——	——
		254RII	Right	80	33.0	25.6	25.4	2.5	3.5	74	27	7.9	29.2	45.0	black	——	——
	4RI		Right	100	40.0	32.0	31.8	2.9	5.0	80	25	9.0	31.0	49.0	White/black	——	——
	4½	LII	Left	113.9	40.0	32.0	31.8	3.0	5.0	73	27	9.0	27.6	45.6	White/black	Light yellow	——
		RIII	Right	113.5	40.2	32.0	31.8	3.0	5.0	73	27	9.0	27.8	45.8	White/black	Light yellow	——
	5	LI	Left	124	40.9	32.0	31.8	3.0	8.5	104	20	11.3	39.7	62.3	White/black	Light yellow	——
		RI	Right	124	40.0	32.0	31.8	3.0	8.5	104	20	8.8	43.5	61.1	White/black	Light yellow	——
	6	LII	Left	150	42.0	32.0	31.8	3.5	10.0	116	17	13.4	45.0	71.8	White/black	——	——
		RII	Right	149	41.7	32.0	31.8	3.5	10.0	116	17	13.7	44.2	71.6	White/black	Light yellow	——
	8	LII	Left	200	61.3	49.0	48.6	3.8	13.0	159	13	16.8	62.0	95.6	White/black	Light yellow	——
		RII	Right	200	60.4	49.0	48.6	3.5	13.0	159	13	16.4	63.0	95.8	White/black	——	——
	10	LI	Left	247	75.5	60.9	60.5	4.0	16.0	205	10	21.1	81.6	123.8	White	——	——
		RI	Right	247	73.2	60.9	60.5	4.0	16.0	205	10	21.0	81.2	123.2	White/black	——	——
	12RI		Right	300	94.4	76.7	76.3	4.0	18.5	200	10	26.7	72.5	125.9	black	——	——
	14RGI		Right	347	106.5	89.5	89.1	4.0	17.5	238	9	27.0	92.0	146.0	——	Light yellow	——
	16RI		Right	400	158.0	141.0	139.8	4.5	11.0	320	6	15.0	144.0	174.0	White	——	——
	19½LI		Left	490	185.0	165.4	165.2	6.0	9.0	324	6	20.5	141.5	182.5	——	Light brown	——
	13½LI		Left	136	41.6	32.0	31.8	3.5	8.0	120	17	10.1	46.6	69.8	——	——	Light yellow
Thick-wall	N-4½RI		Right	113	43.5	34.2	34.0	3.8	8.5	75	18	14.8	41.8	71.4	White/black	——	——
	N-6	LI	Left	149	61.0	49.0	48.6	4.5	12.0	133	15	19.6	47.0	86.2	black	——	——
		RI	Right	149	61.0	49.0	48.6	4.5	12.0	133	15	19.6	47.0	86.2	black	——	——
	N-8RII		Right	198	61.0	49.0	48.6	4.3	14.0	175	12	17.0	70.0	104.0	White/black	Light yellow	——

Note: All single units are 1/2 pitch except for the new 4 1/2" model (3/4 pitch).

Note: Due to the nature of nylon, dimensional changes may occur after absorbing water.

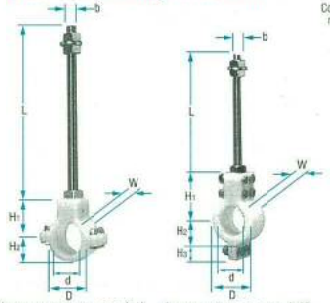
■ Stop collar – Dimensions



■ Plan view

Convex sections are marked in black.

■ Intermediate bearing – Dimensions



〈Intermediate bearing (A)〉 〈Intermediate bearing (B)〉

■ Stop collar (steel FCMB) – Specifications

(Unit: mm)

Model	D	d	W0	W1	W2	b
For 2½-200, 3⅛-200	29.3	20.2	7.0	7.0	14.0	M6
For 2½-254	35.7	25.6	5.0	7.3	12.3	M8
For 3⅛-254	35.7	25.6	7.9	7.3	15.2	M8
For 4, 4½, 5R, 136	43.8	32.2	9.0	10.0	19.0	M8
For 5L	43.8	32.2	11.3	10.0	21.3	M8
For 6	46.0	32.2	13.4	10.6	24.0	M8
For 8, N-8	63.8	49.0	17.2	18.0	35.2	M8
For 10	80.0	61.0	21.1	21.0	42.1	M10
For 12	98.5	76.7	27.0	23.0	50.0	M10
For 14	110.0	89.6	27.0	23.0	50.0	M10
For N-4½	49.0	34.2	15.8	14.0	29.8	M8
For N-6	63.8	49.0	19.6	18.0	37.6	M8

■ Stop collar (stainless steel) – Specifications

(Unit: mm)

Model	D	d	W0	W1	W2	b
For 2½-254	35.7	25.6	5.0	7.3	12.3	M8
For 19½	186.0	165.5	20.5	23.0	43.3	M10

Note: Other sizes are custom-made.

■ Intermediate bearing (nylon) – Specifications

(Unit: mm)

Model	D	d	W	L	b	Drawing	H1	H2	H3	Applicable Proside models
TRM-1	47	25.5	34	130	W⅜	A	42	23	——	4, 4½, 5, 6
TR-1¼	50	32	30.8	130	W⅜	B	50.9	24.4	18.3	4, 4½, 5, 6
TR-40A	67	49	37	255	W⅜	A	59.5	33.5	——	8, N-6, N-8
TR-50A	80	61	45	255	W⅜	A	66.2	39.8	——	10

Note: The TRM type is made of MC nylon.