



Idler Roller Selection Guide

SUNWARM IMPORT & EXPORT

Company Profile



SUNWARM Import & Export presents conveyor idler rollers and accessories. This guide covers product types and selection specifications. Contact Fuxing for product enquiries and quotations.

IDLERS

CONVEYOR ROLLERS

OPTIONS

PRODUCT SELECTION



Technical Specifications



Workshop



Production Line



Laboratory



Product Series



Carrying Idler

-
- **Belt and material support**
 - Supports the carrying belt and its load for smooth, stable operation.



Impact Idler

-
- **Impact absorption**
 - Cushions falling material at loading points and protects the belt.



Return Idler

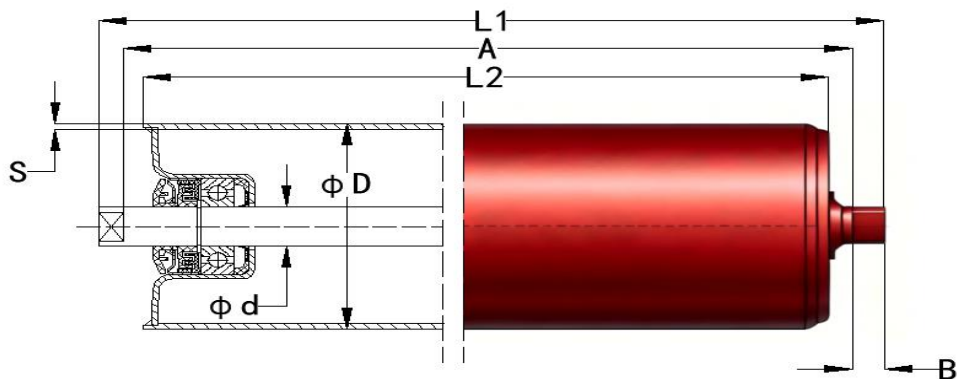
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- **Return-belt support**
 - Supports the empty return belt. Special designs assist tracking or cleaning.



Troughing Idler Set

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- **Trough formation**
 - One centre roller and two side rollers form a trough to increase capacity and reduce spillage.

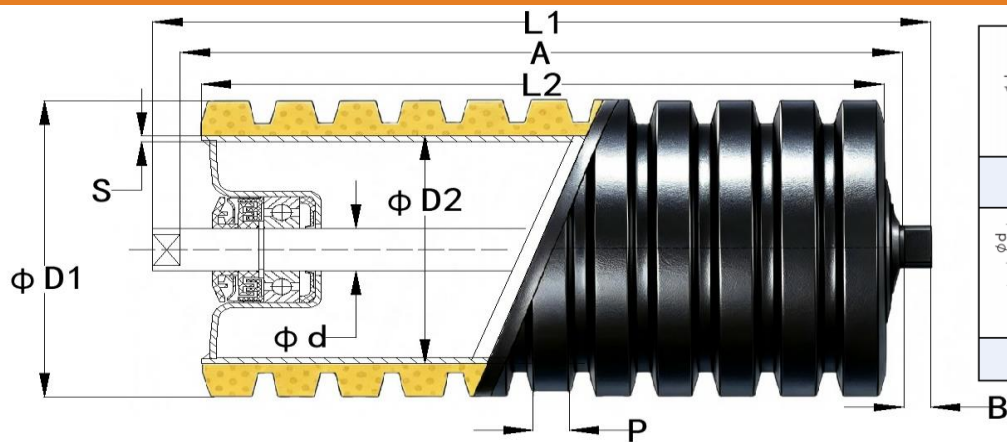
Carrying Idler



OB (without work)	SW (open flat)	QU (cross bore)	QU+SW (cross bore + open flat)
GSW (closed flat)	IG (internal thread)	AG (external thread)	ZP (machined stub)

Roller diameter D (mm)	Shaft diameter d (mm)	Bearing model	Length L2 (mm)	Wall thickness S (mm)	Price (USD)
60-89 (2"-3")	17-20	6203-6204	200-800	1.75-3	\$4.00-\$20
89-108 (3"-4")	20-30	6204-6306	200-800	3-3.5	\$6.00-\$30
108-133 (4"-5")	25-40	6305/6308	300-1500	3.5-4.5	\$8.00-\$40
133-159 (5"-6")	40-50	6308/6310	500-1500	4.5-6.0	\$10.00-\$60
159-219 (6"-8")	50-60	6310/6312	500-2000	6.0-8.0	\$15.00-\$100

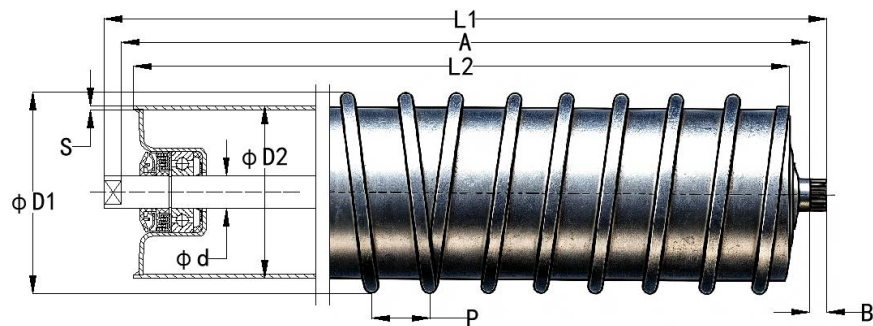
Impact Idler



OB (without work)	SW (open flat)	QU (cross bore)	QU+SW (cross bore + open flat)
GSW (closed flat)	IG (internal thread)	AG (external thread)	ZP (machined stub)

Steel tube O.D. D2 (mm)	Rubber ring O.D. D1 (mm)	Shaft diameter d (mm)	Bearing model	Length L2 (mm)	Wall thickness S (mm)	Price (USD)
60-89 (2"-3")	89-108 (3"-4")	17-20	6203-6204	200-800	1.75-3	\$8.00-\$30
89-108 (3"-4")	108-133 (4"-5")	20-30	6204-6306	200-800	3-3.5	\$12.00-\$40
108-133 (4"-5")	133-159 (5"-6")	25-40	6305/6308	300-1500	3.5-4.5	\$16.00-\$60
133-159 (5"-6")	159-219 (6"-8")	40-50	6308/6310	500-1500	4.5-6.0	\$20.00-\$100

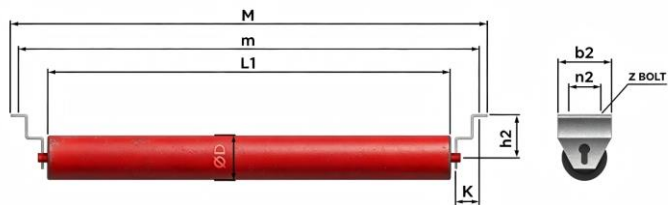
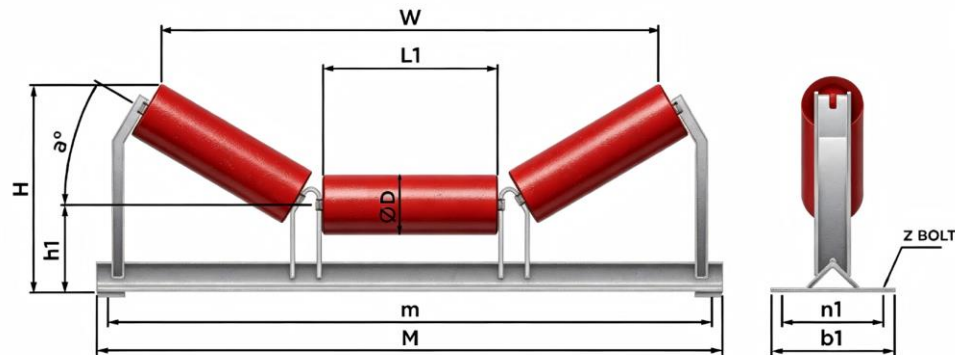
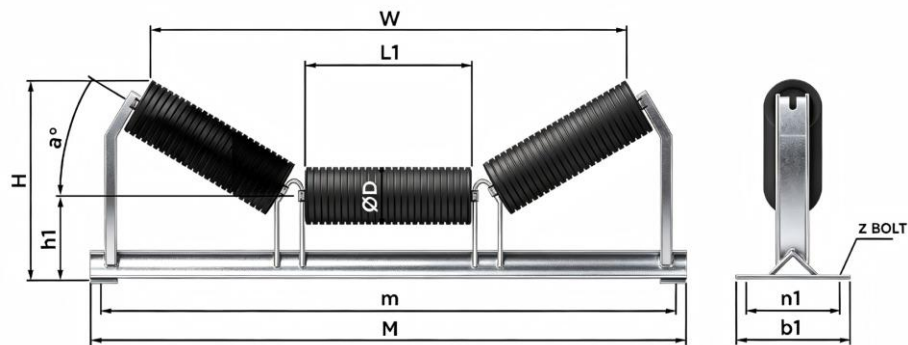
Return Idler



OB (without work)	SW (open flat)	QU (cross bore)	QU+SW (cross bore + open flat)
GSW (closed flat)	IG (internal thread)	AG (external thread)	ZP (machined stub)

Roller diameter D (mm)	Shaft diameter d (mm)	Bearing model	Length L2 (mm)	Wall thickness S (mm)	Price (USD)
60-89 (2"-3")	17-20	6203-6204	200-1200	1.75-3	\$4.00-\$30
89-108 (3"-4")	20-30	6204-6306	200-1500	3-3.5	\$6.00-\$50
108-133 (4"-5")	25-40	6305/6308	300-1800	3.5-4.5	\$8.00-\$80
133-159 (5"-6")	40-50	6308/6310	500-2000	4.5-6.0	\$12.00-\$100

Troughing Idler Set



BW	$\varnothing D$	L1	M	m	α	Z
400-750	63-108	150-280	700-1100	650-1050	15°-45°	M12
750-1000	89-133	280-350	1100-1300	1050-1250	15°-45°	M12
1000-1400	108-159	350-500	1300-1800	1250-1740	15°-45°	M12-M16
1400-2000	133-219	500-800	1800-2500	1740-2440	15°-45°	M16-M20

Surface Finish Options



Spray Painting

-
- Environment: dry indoor service
 - Corrosion resistance: basic



Powder Coating

-
- Environment: outdoor / damp / mildly corrosive
 - Corrosion resistance: good



Hot-Dip Galvanizing

-
- Environment: damp / coastal / corrosive
 - Corrosion resistance: high



Stainless Steel

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- Material grade selected for service conditions
 - Corrosion performance depends on grade

Custom colours available on request

Other Idlers and Accessories



Low-Noise Idler



Rubber-Coated Idler



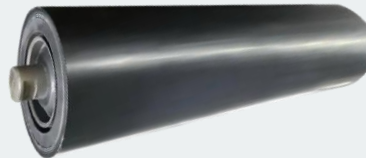
Comb-Type Idler



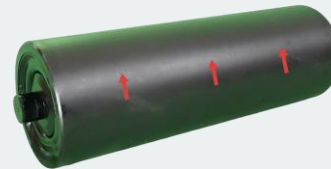
Self-Aligning Idler



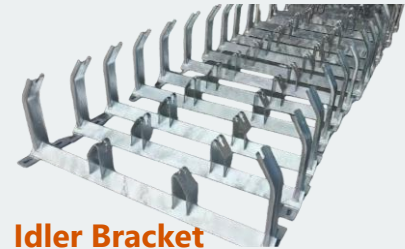
Stainless Steel Idler



PVC Idler



One-Way Idler



Idler Bracket

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