

PLASTIC SHEAVES

CALCULATION QUESTIONNAIRE



WIRE ROPE SHEAVES

Precision-machined from high-performance thermoplastics, **Dotmar sheaves can deliver 2–3 times the service life of traditional steel alternatives.** Their low-friction surface reduces heat and wear, **extending rope life by 2–6 times** while eliminating issues related to corrosion, galling, and lubrication.

Lightweight, dimensionally stable, and acoustically dampening, these sheaves are ideal for high-duty-cycle lifting and industrial applications. Manufactured in-house to exacting tolerances, Dotmar's plastic sheaves are the proven solution for reduced maintenance and increased system longevity.

OUR COMMITMENT TO YOU

Dotmar is a trusted partner to Australia's crane, lifting, and heavy equipment sectors—supplying engineered plastic components that outperform traditional materials in demanding environments. Our advanced machining capabilities and proven material range deliver precision, durability, and performance where it matters most.

Engineered to perform. Trusted to support.



CRANE SHEAVES QUOTE REQUEST FORM

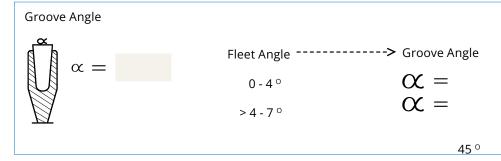
Company				
Address			ity/Suburb tate ost Code	
Contact Phone Email				
Type of Equipment	Crane	Elevat	or Other,	Specify:
Dynamic Load Static Load Rope Diameter Normal working load	Yes Yes	No No mm tons	If Yes, No. of H	
(Rope pulley face) Ultimate Breaking Strengths Peak Load of Rope Working Temperature	1	tons tons	Times/da	
Relative Humidity Sheave Groove Diameter Desired Bearing Make: Type:		% mm		
Width Of Bore	mı	m		
Quantities				
Annual Consumption				
Which Material				

Continued on Page 3

CRANE SHEAVES

QUOTE REQUEST FORM

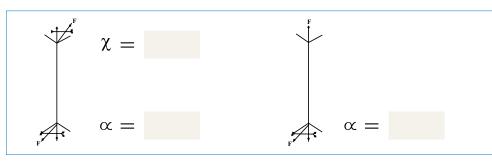
Groove Angle



Contact Angle Between Rope & Sheave Groove



Fleet angles (side loads)



Free space between sheave & steel frame

