

TRICOT & RASCHEL BEAMS

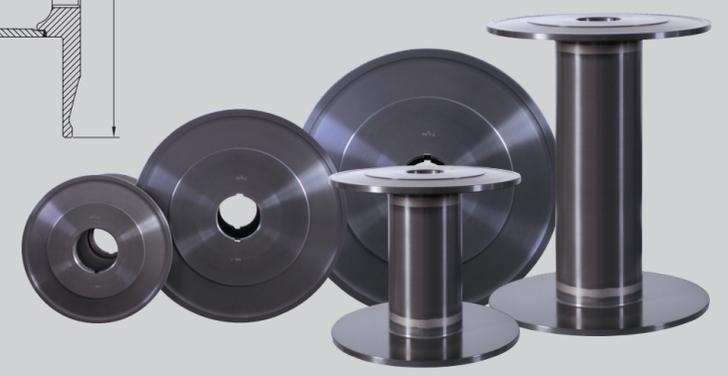
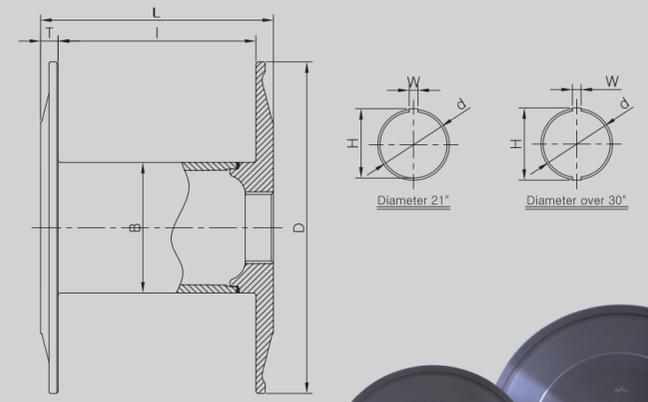
Beam Type	Size (inch) D×L	Dimension							
		T mm/inch	D mm/inch	I mm/inch	L mm/inch	B mm/inch	H mm/inch	d mm/inch	W mm/inch
HEAVY DUTY STANDARD	21×21	30/1.18	535/21.06	470/18.50	530/20.87	210/8.27	124.1/4.89 159.5/6.28	114.6/4.51 152.6/6.00	14.35/0.56 19.60/0.77
	21×21	40/1.57	535/21.06	450/17.72	530/20.87	210/8.27	124.1/4.89 159.5/6.28		
	21×42	40/1.57	535/21.06	986/38.82	1066/41.97	210/8.27	124.1/4.89 159.5/6.28		
For Mono & Multi-Filament,	30×21	30/1.18	762/30.00	470/18.50	530/20.87	300/11.81	133.3/5.25 166.0/6.54		
	30×21	45/1.77	762/30.00	440/17.32	530/20.87	300/11.81	133.3/5.25 166.0/6.54		
Nylon, Polyester	30×42	45/1.77	762/30.00	976/38.43	1066/41.97	300/11.81	133.3/5.25 166.0/6.54		
Spandex, Lycra	32×21	35/1.38	812/31.97	460/18.11	530/20.87	300/11.81	133.3/5.25 166.0/6.54		
	37×21	30/1.18	940/37.01	470/18.50	530/20.87	300/11.81	133.3/5.25 166.0/6.54		
Mother Yarns Etc.	40×21	50/1.97	1000/39.37	430/16.93	530/20.87	300/11.81	133.3/5.25 166.0/6.54		
	40×42	60/2.36	1000/39.37	946/37.24	1066/41.97	300/11.81	133.3/5.25 166.0/6.54		
	42×21	50/1.97	1060/41.73	430/16.93	530/20.87	300/11.81	133.3/5.25 166.0/6.54		

• Upon request, special dimensions are available



SEMYUNG BEAM

for Tricot & Raschel Machines



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Company Profile

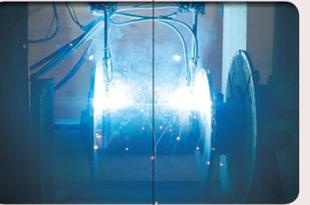
Since establishment in 1962, Semyung, has been grown to a non-ferrous specialized manufacturing company, accumulating Know-How in the field of casting, forging and precision processing technology. Aiming for customer satisfaction while providing high end quality at competitive prices, we have equipped the machinery that enables us to complete self-production system.

Our state of the art facilities are equipped with screw-type hydraulic forging machines (4000-ton,2500-ton, 1600-ton) and newest processing machines. We will continue working hard to meet and exceed the quality and standards of beam products that yarn makers and textile companies expect to get. We look forward to your constant advice and guidance.

Brief History

- 1962.08 Founded in Busan(Conversion of Corporation: 1984.1)
- 1987.06 Developed Tricot & Raschel casting beams (Diameter 21" ,30")
- 1988.08 Constructed 2nd factory in Changwon (Specialized in Al.forging and casting)
- 1989.09 Contracted the technology agreement of 30" Tricot & Raschel Beam with Washi Beam Co.,Ltd. (Japanese)
- 1991.12 Developed Tricot & Raschel forging beams (Diameter 21" ,30" ,40" ,42")
- 1995.12 Acquired certification of ISO 9001
- 2002.12 Acquired CE certification for Tricot & Raschel Beams
- 2015.12 Received Presidential Award on 52th Trade Day (US Dollars 5 Million Export)
- 2016.12 Accomplished the Supply Record in 5 continents (Asia,Europe,Africa,S.America, N.America)
- 2018.04 Equiped Completion of self-anodizing facilities

Production Process

FORGING	HEAT-TREATMENT	MACHINING	WELDING	FINAL MACHINING	BALANCING	ANODIZING
						
Forged Flange made by our technically superior 4000Ton hydraulic screw forging press.	Quenching & Tempering(T-6) of flanges and barrels using the newest heat treatment furnace.	Precise machining for flange and barrel by vertical CNC lathe machines.	Completed welding by the most modern Automatic Welding System.	Perfect machining by high grade CNC lathe machine.	Keeping up balancing dynamically measured by Digital Balancer.	Hard-Anodizing treatment for protection against corrosion and damage.

Materials

FLANGES

- High strength aluminium alloy forged by our hydraulic screw forging press.

BARREL

- Extruded pipe of heat treated aluminium alloy, High strength and dimensional stability.

WELDING PARTS

- Argon welding using high strength aluminium alloy wire.



Quality Assurance

ANALYSIS

- Chemical composition analysis and quality material control by the emission spectrometer.

MEASURED

- Precise measuring and quality management by three dimensional measurement machine.
- Rigorous tolerance management of all beams by precision gauges & tools.
- Maintenance of dynamic balancing measured by the most modern balancing equipment.
- Rigorous process management in hard-anodizing.

INSPECTED

- Measurement & Inspection of thickness, roughness and hardness after anodizing

TESTED

- By 250Ton horizontal universal testing machine.
 - Loading test of flanges and beams.
 - Compression strength test of beams.
 - Tensile strength test of welding part.
- Determination of highest safety warping yarns measured by bending diagram.

