



Request you to share All Correspondence in LETTERHEAD (Enquiry, Purchase Order, Agreement OR Sample) in Hard Copy, Mail or WhatsApp, and should include the sender's stamp and signature. Appreciate your kind cooperation

Email : debsonsengg18@gmail.com, debsons@gmail.com Web: www.debsons.org
Correspondent Add : 38/1 E, MA SARADAMAI SARANI, KOLKATA 700003
WhatsApp : 87772 67741, 94330 90832. INDIA, BANGLADESH, UAE, TURKEY, KOREA.
CRN NO : U46695WB2023PTC260131 IEC NO : AAJCD8477C. GST NO : 19AAJCD8477C1ZA

TERMS & CONDITIONS



We manufacture to your specifications, giving a fabric finish to your designs.

WE ARE SPESALIST IN STEEL WIRE & TMT BAR, STEEL SHEET.CORE P.P . JUTE. HEMP, MANILA, SISAL, COTTON. 800 TO 1400 HEAT RESISTANCE , WATERPROOF AND UV PROTECT.

PETRO CHEMICAL : P.P (PE), LDPE,HDPE,LLDPE,PVC,PET,POM,P.C,ABS,PLYMAR/POLY HIGH TENACITY - MULTIFILAMENT, MONOFILAMENT, POLYESTER, LLDP,P.P,HDPE, DANLINE PET NYLON & ARMID.POY , DTY, FDY.

All goods are inspected and verified with loading certificates issued by SGS.

Phytosanitary & Fumigation and certificate issued by us.

Govt. Recognized Star Export House Organic COTTON & JUTE ,SISAL,MANILA (GOTS & OCS) Certified Company ETI & BSCI Factories .

• For the first consignment, 100% advance is a requirement. Thereafter, revolving L/C or BG

• If it is a long-term order, 10% of the order amount will be kept as deposit.

This amount will stand adjusted at the end of the said order. We welcome you to visit our unit. (Request by your letter head).

SAMPEL DEVOPMENT CHARGE EXTRA 5 LACKS DEPOSIT

• All bills or B/L issued are to be paid within 3 days of issue.

• After the first Order, We allow 15, 30, 60, or 90 days L/C or B.G (Request by your letter head).

• ANY MARKS OR SYMBOL PRINTED MUST 100 % PAYMENT.

DEBSONS DIVERSIFIED PRODUCTS . 91+ 8777267741 (PAYMENT) PAY TM

• UNION BANK OF INDIA KOLKATA OVERSEAS. A/C NO 495601010033620.

IFSC UBIN0549568 SWIFT CODE UBININBBOCL

MFG EXPOTER :RENEWABLE ENERGY SOLAR ,LITHUANIAN BATTERY, INVERTER. SLIBER YARN TWINE LIFTING BELT CORD ROPE & ROVES. 1 to 160 mm dia. 1 to 5000 mtrs length ropes. 3,4,9 strands Mooring 8,12,24, mm dia 500 mtrs stell core P.P.LDPE. .CEMENT & JUMBO BAG HDPE SHEET.HEMP YARN ,TWINE,CORD AND TEXTILE HEMP COTTON,JUTE COTTON ,0.75 LEE TO 40 LEE.AVALABLE. POLISH STEARCH,PVA,ORGANIC AS PER YOUR REQUIREMENT.Stainless Steel Chain Size: 1 INCH, 2 INCH, 3 INCH Material: Stainless Steel Color: Grey, Silver Thickness: 1.8mm, 2mm, 3mm, 4mm, 5mm . SAFETY belt available 2 " to 10" 100 mtrs roll.

For Long Term Order we shall provide accomodation (2 Rooms Flat) your representative for regularise production, inspection quality. – KOLKATA – DELHI – PANIPATH – AHMADEBAD – SURAT – SALEM





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Accredited by

debrons@gmail.com www.debsons.com
91+9433090832.9477190832 whatsapp

10mm 8mm 6mm 5mm

1mm 1.5mm 2mm 2.5mm 3mm 4mm

debrons@gmail.com
www.debsons.com
 91+9433090832

JUTE ROPE

EDIBLE SUNFLOWER SOYABIN, PUM OIL

LED P.P ROPE

NYLON BRADED ROPE

P.P.MF ROPE

Manila

STAMARK

DEBSONS GROUP OF COMPANY MILL UNIT

NEW STRANDER & BRITISH STANDER & C

500 TO 3000 MTRS AVAIL

1000 TO 4000 YARDS

JUTE BAG

JUTE HASSIAN CLOTH

LUXURY COLOR LAMINATION

Color palette

STAINLESS STEEL

DEBSONS DIVERSIFIED PRODUCTS (PVT.) LTD.

STEEL

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CRN NO: U46695WB2023PTC260131. IEC NO: AAJCD8477C. GST NO 19AAJCD8477C1ZA

WE ARE SPECIALIST IN S STEEL WIRE & BAR CORE P.P .JUTE. HEMP, DANLINE MULTIFILAMENT, COTTON, LLDPE, P.P.HDPE, PET NYLON & ARMID FIRE-RETARDENT 800-1400 HEAT RESISTANT, WATERPROOF AND UV PROTECT, PETRO CHEMICAL

We manufacture to your specifications, giving a fabric finish to your designs. SPL JUTE ROPE BREAKING STRENGTH AS MANILA OR HEMP FLAX, WATER RESISTANCE & FIRE-RESISTANCE AVAILABLE 1 MM TO 160 MM DIA 1 TO 5000 MTRS LENGTH BREAKING STRENGTH AS BELOW. JUTE COTTON WOOLLENISE CLOTH 60".



TERM & CONDITION

Thank you for your enquiry.

The quality of the goods that we manufacture are according to the.

INDIAN STANDARD & BRITISH STANDARD . CE

Phytosanitary Fumigation and certificate issued by us.

Govt. Recognized Star Export House Organic COTTON & JUTE (GOTS & OCS) Certified Company ETI & BSCI Audited Factories.

MATERIALS: Goods shall be delivered within 15 days of payments getting credited to our accounts. For the first consignment, **100% advance is a requirement. Thereafter, revolving TOP BANK L/C OR BG**

All goods are inspected and verified with loading certificates issued by SGS

1. If it is a long-term order or customized your specification, 10% of the order amount will be kept as deposit. This amount will stand adjusted at the end of the said order.
2. **ANY MARKS OR SYMBOL PRINTED MUST 100 % PAYMENT**
3. All bills or B/L issued are to be paid within 3 days of issue.
4. APART FROM VRL LOGISTIC .A AUTHORISED LETTER MUST ISSUED AND HARD COPY SENDTO OUR CROSSPONDENT ADDRESS. **DELIVERY CHARGES EXTRA**
5. **SAMPEL DEVOPMENT CHARGE EXTRA 1 TO 5 LACKS DEPOSIT .**
6. This amount will stand adjusted at the end of the said order.
7. **We welcome you to visit our unit.**

PAYMENT:

DEBSONS DIVERSIFIED PRODUCTS (PVT.) LTD. | M.: 91+8777267741 / 91+9433090832
AXIS BANK A/C NO.: 92302000924870 | IFSC.: UTIB 000084 SHAYAM BAZER |
KOTAK MAHINDRA BANK A/C NO.: 4747947574 | IFSC: KKBK0006570



MFG EXPOTER : RENEWABLE ENERGY SOLAR , LITHUANIAN BATTERY, INVERTER. SLIBER YARN TWINE CORD ROPE & ROVES. MFG UNIT : JUTE MILL, COTTON MILL, SISAL,MANILA,HEMP , MULTIFILAMENT, NYLON, POLYPROPYLENE, DANLINE, HDPE , MONOFILAMENT, STEEL WIRE ROPE, STEEL WIRE CORE. STELL CHAIN .RICE MILL, SUGAR MILL. ELECTRONIC MOTOR BIKES, SOLOR .EXTREM ENGG. & Mfg. Co.

1 to160 mm dia. 1 to 5000 mtrs length ropes. 3,4,9 strands Mooring 8,12,24. mm dia 500 mtrs stell core P.P.LDPE. HDPE SHEET. HEMP YARN ,TWINE,CORD AND TEXTILE HEMP COTTON,JUTE COTTON ,60 LEE TO 1 LEE.AVAILABLE. Stainless Steel Chain Size: 1 INCH, 2 INCH, 3 INCH Material: Stainless Steel Color: Grey, Silver Thickness: 1.8mm, 2mm, 3mm, 4mm, 5mm . SAFETY belt available 2 " to 10" 100 mtrs roll. nylon



STAMP & SIGNATURE

(others wise no negotiation)

Products

- ✓ **DEBSONS GEOTECH INDIA .MFG : NON OVEN GEO TEXTILE 5.5 METER WIDH POLY PROLINE125,200,300,400,500, GSM NIDDLE PUNCH . 125 0 X1000 3MM 300 OR 400 GRAM BAG**

- ✓ **Non-Woven Geo Bags for Coastal Protection.** These bags can be filled with sand and are used for riverbed, beach and form a low-cost, reversible solution for the protection of hydraulic structures by reinforcing the existing barriers of the river banks, beach fronts and other water bodies. In comparison to conventional practices of using gravels and hard rocks for erosion protection, sand-filled Geo Bags are an effective, low-cost alternative. Bags can be filled with locally available sand, instead of transporting boulders which can incur high costs.

Product Details

- ✓ TOSSA JUTE BAG. 60 CMS X 100 CMS WT 600 GRMS / FOOD GRADE .COLOR GOLDEN BROWN TIGHT WEAVING. 150 PICES BALELT. CEES JUTE BAGS 43"X29" WT. 2.25 LBS, 6X8 PNS, HD. OHDS, 2" GREEN STRIPE, 400 BAGS PACKING, 1X20' FCL = 44 BALES .We came to know that you are one of the leading importer of Jute and Jute products .So , we are very much interested to establish a good and prosperous business relationship with your company .

Jute Bag :[other specification also] RAW JUTE CUT 1 TO 3" BY TOSSA.

* Std. B. Twill Jute Bags 44"X26.5" Wt. 2.25 LBS * New Binola Jute Bags 44"X26.5" Wt. 2.00 LBS* New Lt. Cees Jute Bags 43"X29" Wt. 2.25 LBS

* Heavy Cees Jute Bags 43"X29" Wt. 2.50 LBS * Sugar Bags 48"X28" Wt. 2.50 LBS & 2.75 LBS * Coffee Bags 40"X28 Wt. 730-800 GRMS

* Hessian Coffee Bags 40"X28" Ex. 10 OZ40 Wt. 550-620 GRMS

JUTE YARN 5,6,8,10,12,14,16,18,22,24,28,36,128 LBS 1,2,3.PLY.IN CB,CRX,CRT HANKS OR SPOOL

Jute Cloths : Hessian Cloth From 30" width to 128" width, Hessian bags, Hydro Carbon Free Hessian cloth and bags, Bleached and dyed Hessian cloth, 11X11,13X13,14X15,17X17,50" TO 140" Geo-Textiles, Sacking Bags, Jute yarn and twines[all counts and quality] , Jute caddies , jute sliver, Jute Carpet backing cloth, Ladies Fashion Bag, Jute Cuttings[all grades], Jute Rope, Jute Footwear, Jute Mat, Jute felt, .

Also we can offer Raw Jutes BTE, BTD, BTR-SMR, BTC &BTCB ,BTCA GRADE

- ✓ **# Hydrocarbon-free foodgrade Bags for packing of 50 Kg Hazel Nuts/bag Dimensions: 100/105 X 85/70 cm weight 850/900 gml/bag 76 BALE IN ONE CONTAINER 500 pieces PER BALE # Hydrocarbon-free foodgradeBagsfor packing of 50 KG-Hazel Nuts/bag Dimensions: 94 X57 cm weight 580 gml/bag 56X500 PICES PER BALE**

- ✓ Apart from Jute, the other products we supply are:-

- ✓ **SISAL , MANILA, HEMP (flax), Cotton Yarn ,Nylon Yarns, Polyester Yarn, P,P & DAN LINE. MULTIFILAMENT, Polyester Spun Yarn & Viscose Yarn.** We shall be highly grateful for your prompt reply with your present requirement to quote you accordingly .

Thank you very much in advance for your kind co-operation .

- ✓ **HOW TO ORDER DEBSONS STELL WIRE ROPE**

- ✓ When ordering your wire rope be sure to furnish

- ✓ which the following details :

- ✓ 1) Length—state exact length, and indicate points from measurements are to be taken.

- ✓ 2) Diameter

- ✓ 3) Finish (Galvanised or Ungalvanised)

- ✓ 4) Tensile strength

- ✓ 6) Construction (Round or Triangular strand) State number of strands and number of wires per strand e.g. 6x19

- ✓ 7) Core—e. g. Fibre or IWRC (Independent Wire Rope Core) or WSC (Wire Strand Core)

- ✓ 8) Lay—e. g. Right hand lang's lay,

- ✓ 8) If required Non-Preformed

- ✓ 9) Particulars of any fittings required.

- ✓ 10) Packing (coil or reel)

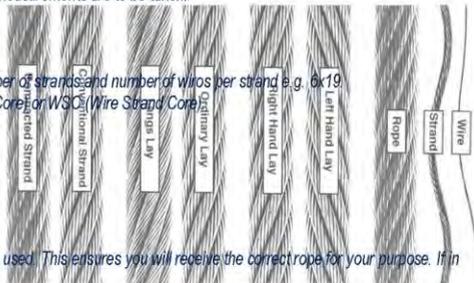
- ✓ 11)

- ✓ Lubrication—state any special requirements.

- ✓ It is always important to state for what purpose the rope is to be used. This ensures you will receive the correct rope for your purpose. If in doubt, give as much information as possible.

- ✓ **INVEANOATIONS FOR THE SELECTION USE AND CARE OF WIRE ROPES**Two principal characteristics for consideration in milooftig a wire rope for a specific duty are breaking load, resistance to bend fatigue, and resistance to abrasion.

- ✓ The two latter characteristics call for two different types of rope. For maximum resistance to bend fatigue a flexible rope with small outer wires is required, whereas to obtain maximum resistance to abrauon a less flexible rope with large outer wires is needed. It is necessary, therefore, when Selecting a rope to compromise between these two factors. In other words, an ideal wire rope for a job is the rope which is sufficiently flexible to run easily over the sheaves or pulleys and round the drum, and at the same time is composed of the largest wire which will correspond to its flexion efficiently to enable the maximum life and wear to be obtained from the rope. Resistance of The Rope To Bend Fatigue A rope passing over the sheaves or pulleys and round the drum has to undergo repeated



- ✓



**ORGANIC # FIRE RETARDENT # ROT & WATER PROOF # DYEING # LATEX
SYNTHETIC & NATURAL FIBRE, YARN, TWINE, CORD, ROPE & ROVES MAT & TEXTILE**

YOUR ORDER MUST CONTAIN MENTIONED INFORMATION. PRINT YOUR LETTER HEAD AND STAMP & SIGNATURE SEND BY DHL / FEDEX. FOR OUR GOVT OF INDIA ECGC, MINISTRY OF FINANCE AND EXTERNAL AFFAIRS OF YOUR REGISTRATION. ALWAYS CONTRACT BY E-MAIL debsons@gmail.com OR What's app 09433090832.

DHL CODE (531073151) FOR EXPORT (953646694) FOR IMPORT

*CONTACT PERSON:		*PH NO:	
*MS:			
*ADDRESS:			
PIN :*			
*PHONE NO :MOBILE :		*E MAIL :	
		WEB SITE :	
*GSTNO :		I OR CGST NO :	
*IEC NO :		RCMC NO :	
*TRANSPORTER :		PH NO :	
KOLKATA/JNPT/KANDLA /CHATAGAON		FINAL DESTINATION	
YOUR ORDER NO	DATE	PROFMA NO	DATE
YOUR BANK DETAILS :			
ADDRESS :PIN :			
ACCOUNT NO:		IFSC CODE	SWIFT CODE:
SL	DESCRIPTION	RATE	AMOUNT \$, €, ₹
01	Size no coil length		
GST & DELIVERY CHARGE IN INDIA EXTRA .FOR OR CIF			

**THANKING YOU.
YOURS FAITHFULLY.
(WITH STAMP & SIGNATURE)**

Only receive payment; - debsons® DIVERSIFIED PRODUCT.

8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 or more ply
New design in stock

6579 LL

www.jebsons.org
A&O FREE CLOTHES
CR,CRT,ORGANIC,LUTE,
COTTON IN ACCORDANCE
GOTS

polish ba

labox

Water 12mm
Water 12mm
Water 12mm
Water 12mm

14x15, 15x17 in 50'824"
20 color with lamination

Look

CARING FOR THE FUTURE



Cont 3

OUR PRODUCTS

P.P ,DANLINE,ARAMIDS,POLYESTER,MULTIFILAMENT& MONOFILAMENT YARN.





We are debsons ARAMID, with a passion for aramid. Our commitment both to our products and to our customers has made us a global leader in aramids. Wherever strength, safety, heat or flame resistance, lightweight or sustainability is required, you will find our **Filament Yarn, Fabrics & Laminates**. Our products are used worldwide in many different applications and markets, including automotive, ballistic protection, marine, civil engineering, protective clothing, optical fiber cables, and oil & gas. With our four high performance aramids – produced at our plants in The Netherlands and Japan – we offer the widest range of products. And, with unrivalled expertise and experience we are able to continuously work on further innovations. Often in cooperation with customers and partners through our worldwide sales and marketing organization. That's the power of aramid. If you would like to learn more about the world of aramid or to exchange ideas on developing new solutions, please go to:

- HIGH TENSILE STRENGTH
- HIGH HEAT-RESISTING PROPERTY
- HIGH ELECTRIC-RESISTING PROPERTY (SUITABLE YARN FOR INSULATION)
- LOW MOISTURE ABSORPTION PROPERTY
- USAGE: ZIPPER, WIRE FOR ELECTRICITY RESISTANCE, CANVAS TEXTURES, BRUSH, SAFETY BELT, CONVEYER BELT, ETC
- PRODUCTION RANGE

Nylon & ARAMID Double Braid is the preferred choice for applications requiring high strength with excellent shock absorbing properties.

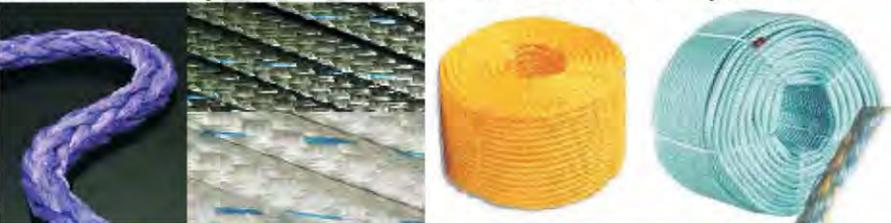
Double Braid has good resistance to abrasion, sunlight and chemicals. Due to its high elongation, nylon is almost always used in applications involving shock loading such as anchor lines and mooring lines. Nylon Double Braid is delivered standard with an overlay marine finish.

Features & Benefits

• High stretch • Excellent shock absorption • Soft hand • Torque free • Meets MIL-DTL-24050E

Applications

• Anchor lines • Mooring lines • Shock absorbers • Pendants • Towlines • Towed array stretchers



debsons® 8, 12 & 24 strand is the highest strength synthetic rope available.

debsons® 12, 24 strand is manufactured from High Modulus Polyethylene (HMPE) that has been enhanced by debsons® patented recrystallization process. This process is especially effective in medium to large diameter ropes where strengths are over 50% higher and creep is significantly less than that of standard Spectra® 12 strand. debsons® 12 & 24 strand is delivered standard with polyurethane finish and is easily spliced using a simple lockstitch type splice, 4-3-2 or 5-4-3 Tuck Splice. Its soft, torque free braided construction provides easy handling.

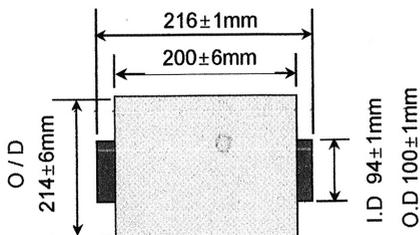
• Highest strength • Lowest stretch • Low creep • Soft hand • Torque-free • Easy splicing • Floats

Manufacturer	Debsons
Product Description	Aramid Filament Debsons
Type	HF200 1000De' / 1110dtex

Physical Properties	Unit	Nominal	Min.	Max.	Test Method
Filament Nr.	[ea]	665			Internal
Linear density	[den]	1,010	960	1,060	ASTM D1907 (Option 6)
	[dtex]	1,120	1,070	1,180	
Tenacity	[g/d]	24.0	22.0	26.0	ASTM D885
	[cN/tex]	212	194	229	
Breaking force	[kgf]	24.2	21.1	27.6	ASTM D885
	[N]	238	207	270	
Elongation at break	[%]	3.2	2.8	3.6	ASTM D885
Youngs Modulus	[g/d]	760	650	880	ASTM D885
	[GPa]	97	83	112	

⊙ GPa = kN/mm²

Measured at twist level 1.1TM



[Yarn Weight 5.0kg / Bobbins]

Polyester / Nylon / Aramid High Tenacity Yarn

LINTAS IMPEX PVT. LTD. is a main exporter of High Tenacity Yarns in India and has been exporting world class quality high tenacity yarn to different nations over the globe creating its demand for quality products in Europe, Asia, Africa and America. A yarn containing filaments produced using synthetic polymers has a cross-section having no less than 5 vertices, a titer of 1 to 7 dtex and a tenacity of at least 60cN/tex.

The filaments of the high tenacity yarn ideally have a cross-section having 5 to 8 vertices, possibly with indentation between the vertices. The cross-section of the filaments is ideally star-shaped. The high tenacity yarn ideally has a tenacity of 60 to 85 cN/tex, a lengthening at break of 15% to 35%, hot-air shrinkage of 4% to 10% and a stretch recovery of 250 to 400 cN/tex. High Tenacity yarn is also available in various variations like typical shrinkage, low shrinkage and super low shrinkage depending on the suitable end-use. The high tenacity yarn is excellently suited for use in the manufacture of industrial fabrics, especially airbag fabrics

High tenacity yarns have been used in the manufacture of textiles, carpet and tarpaulin. In the manufacture of textile fabrics, for example, wovens, knitted and crocheted fabrics and nonwovens from yarns containing synthetic polymer filaments, the most vital thought in the manufacture of these fabrics is the use of yarns with filaments having high tenacity and ensuring great foldability. The high tenacity yarn has high strength, durability and chemical resistance, and withstands extremely hot environment that can stress conventional multi-filaments to their performance limits. We can supply you best quality Polyester High Tenacity yarns from manufacturers and suppliers in India, China, Taiwan, Indonesia, Vietnam, Malaysia and Korea.

Yarn Types & Applications

Type	Denier(D)	Applications
High Tenacity	150-6000	Sling, Tie-down, Strapping. Geotextile, Conveyorbelt fabric, Dipped Cord, Hose, Sunshade, Outdoor furniture, Rope, Net
Low Shrinkage	250-3000	Banner, Tarpaulin, Roofing, Membrane structure, Awning, Filter fabric, Sunshade, Outdoor furniture, Hose, Sewing thread
High Tenacity Low Shrinkage	500-3000	Banner, Tarpaulin, Roofing, Membrane structure, Awning, Filter fabric, Sunshade, Outdoor furniture, Hose, Sewing thread
Super Low Shrinkage	500-2000	Banner, Tarpaulin, Roofing, Membrane structure,

		Awning, Filter fabric, Sunshade, Outdoor furniture, Sewing thread
Abrasion Resistance	500-2000	Seat belt, Safety belt, Rope, Sling
Extra Low Shrinkage	1000	Superior quality banner, Superior quality tarpaulin, Superior quality membrane structure
High Tenacity High Shrinkage	210-1000	Sail cloth
High Tenacity Low Elongation	1000-6000	Geotextile, Geogrid
High Tenacity Middle Shrinkage	1000-6000	Conveyor belt fabric, Soild Woven
Adhesive Activated	500-6000	Rubber reinforcement materials
Anti-wicking	500-2000	Superior quality banner, Roofing, Pool cover
Marine Finish Yarn	1000-6000	Mooring Rope
HMLS	1000-2000	Tire cord fabric, Conveyor belt fabric, Dipped cord, Superior quality geotextile
Airbag Yarn	315-630	Airbag
Coloured Yarn	840-3000	Sling, Tie-down, Strapping, Rope Luggage Fabric
Twisted Yarn	250-15000	Woven fabric, Canvas, Fire hose, Filter Fabric, Seat belt, Sewing thread
Multi-ply Yarn	6000-30000	Sling, Conveyor belt fabric, Geotextile, Rope
Multi-ply Twisted Yarn	30000-120000	Rope, Round Sling, Geoiextile
Note : We can make products according to customer s requirements		

Denier/Filaments	Color / Lustre	Denier/Filaments	Color / Lustre
100D/48F	BRIGHT ROUND	630D/144F	BRIGHT ROUND
120D/48F	BRIGHT ROUND	850D/192F	BRIGHT ROUND
150D/48F	BRIGHT ROUND	1000D/192F	BRIGHT ROUND
210D/72F	BRIGHT ROUND	1300D/192F	BRIGHT ROUND

250D/72F	BRIGHT ROUND	1500D/192F	BRIGHT ROUND
250D/96F	BRIGHT ROUND	2000D/384F	BRIGHT ROUND
300D/72F	BRIGHT ROUND	3000D/576F	BRIGHT ROUND
300D/96F	BRIGHT ROUND	4000D/576F	BRIGHT ROUND
420D/72F	BRIGHT ROUND	5000D/768F	BRIGHT ROUND
500D/96F	BRIGHT ROUND	6000D/768F	BRIGHT ROUND



Titer		Filaments	Breaking Strength (N)	Tenacity cN/dtex	Elongation %	EASL % 4.0 cN/dtex	Hot Air Shrinkage % 177c, 2min, 0.05cN/dtex	DSI
Dtex	Denier							
1100	1000	320	≥79	≥7.2	12.0±2.0	5.2±0.8	3.0±10.5	≤9.0
1440	1300	480	≥104	≥7.2	12.0±2.0	5.2±0.8	3.0±0.5	≤9.0

Applications

- Replacement for wire rope
- Vessel mooring lines
- Inland river barge lines
- Lifting slings
- Recreational vehicle winch lines
- Utility winch and pulling lines

debsons® MAXIFLEX

BECAUSE SAFETY AT SEA CANNOT BE COMPROMISED

Preferred by Ship Captains the World Over The safety of men, machines and materials is of paramount importance to ship captains It is non-negotiable; everything else is secondary, Such a situation demands ropes of the highest strength, toughness in any condition, durability and reliability debsons® MAXIFLEX ropes are engineered and manufactured just to meet these requirements.

SPECIFICATIONS :

Diameter		Circum.	Weight		Minimum Breaking Strength	
mm	inch	inch	lbs /100ft	Kgs /100 mtr	kgs	lbs
24	1.516"	3"	23.85	36.50	12000	26455
28	1.178"	3.172"	32.59	48.50	15000	34833
32	1.174"	4"	42.33	63.00	20000	44092
35	1.172"	4.172"	53.76	80.00	24000	54895
40	1.578"	5"	66.52	98.00	30000	66139
44	1.374"	5.172"	80.94	120.00	35000	78925
48	1.778"	6"	95.42	142.00	42000	92594
52	2.176"	6.172"	111.55	166.00	48000	106586
56	2.174"	7"	129.69	193.00	56000	123459
60	2.378"	7.172"	148.51	221.00	63000	140555
64	2.172"	8"	169.34	252.00	72000	158733
72	2.778"	9"	214.36	319.00	89000	198196
80	3.1732"	10"	254.76	384.00	109000	242068
88	3.4716"	11"	320.53	477.00	130000	289965
96	3.13716"	12"	381.68	568.00	153000	338291
104	4.178"	13"	447.53	666.00	182140	401550
112	4.4716"	14"	518.76	772.00	210200	463412
120	4.374"	15"	596.04	887.00	240200	529550
128	5.1716"	16"	678.69	1010.00	272140	599966
136	5.378"	17"	766.04	1140.00	306220	675100
144	5.578"	18"	860.12	1280.00	344200	758831
160	6.3716"	20"	1061.71	1580.00	422400	931233

SPECIFICATIONS

DEBSONS MAXIFLEX

Size	Coil Wt. kg	B.S.
	220 mtr.	kgf
5"	216	42000
5.5"	262	50800
6"	310	60800
6.5"	365	72000
7"	422	83000
7.5"	486	94000
8"	552	106000
8.5"	623	120000
9"	700	135000
10"	862	164500
11"	1045	198500



debsons® Nylon Double Braid

Nylon Double Braid is the preferred choice for applications requiring high strength with excellent shock absorbing properties.

Double Braid has good resistance to abrasion, sunlight and chemicals. Due to its high elongation, nylon is almost always used in applications involving shock loading such as anchor lines and mooring lines.

Nylon Double Braid is delivered standard with an overlay marke finish.

Features & Benefits

- High stretch
- High strength
- Excellent shock absorption
- Soft hand
- Torque free
- Meets MIL-DTL-24050E

Applications

- Anchor lines
- Mooring lines
- Shock absorbers
- Pendants
- Towlines
- Towed array stretchers

Rope Specifications

Minimum Tensile Strength Minimum Tensile Strength shown are for new (unused) rope and will decrease after use. All tests are performed in accordance with Cordage Institute Standard CI 1500-2. The rope strength will be reduced after use due to heat, abrasion, ultraviolet or chemical exposure. The tensile strengths may be further reduced by up to 50% as a result of knots or kinks. Minimum Tensile Strengths are defined as two standard deviations (typical about 10%) below the average.

Maximum Working Loads Maximum Working Loads are determined by dividing the tensile strength by the safety factor. The safety factor is a function of the physical properties of the rope, the age and history of the rope, the type of service it will be subjected to and the risks involved if failure occurs.



For a rope manufacturer to give blanket working load recommendations would be like a car manufacturer giving the "safe driving speed" of their cars. Obviously the conditions of use far outweigh the design characteristics of the rope. Typically safety factors vary from 3:1 (for new rope used in applications with uniform loading and where failure would cause a little or no risk to equipment or personnel) to 20:1 (for conditions involving moderate shock loading, possibility of snags or kinks or where failure could cause severe risk to equipment or personnel).

Rope Weights Rope Weights shown are average and may vary plus or minus 5%.

Working Elongation Working Elongation is shown from preloaded tension of 200 times the diameter squared per the Cordage Institute Standard.

Nominal Diameter		Size (circ in)	Approximate Weight		Minimum tensile strength	
Inch	MM		Lbsft/100ft	Kg/100m	Lbs	Kn
1/4	6	3/4	1.7	2.5	1,900	8.5
5/16	8	1	2.6	3.9	2,900	12.9
3/8	9	1-1/8	3.7	5.5	4,200	18.7
7/16	11	1-1/4	5.1	7.6	5,700	25.4
1/2	12	1-1/2	6.6	9.6	7,400	32.9
9/16	14	1-3/4	9.0	13.4	10,200	45.4

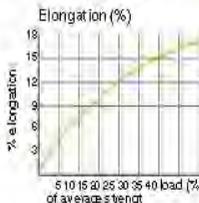
ABS and DNV Type Approved Sizes

5/8	16	2	11.6	17.2	14,800	65.8
3/4	18	2-1/4	14.7	21.9	19,000	84.5
7/8	22	2-3/4	21.8	32.4	28,300	125.9
1	24	3	28.0	38.7	33,500	149.0
1-1/16	28	3-1/4	31.0	45.1	39,000	173.5
1-1/8	28	3-1/2	35.4	52.7	44,900	199.7
1-1/4	30	3-3/4	40.7	60.6	52,300	232.6
1-5/16	32	4	46.3	68.9	59,800	261.6
1-1/2	36	4-1/2	58.4	86.9	74,000	329.2
1-5/8	40	5	72.3	107.6	92,400	411.0
1-3/4	44	5-1/2	87.7	130.5	110,900	493.3
2	48	6	103.9	154.6	131,500	584.9
2-1/8	52	6-1/2	122.0	181.6	152,800	679.7
2-1/4	56	7	141.2	210.1	181,000	805.1
2-1/2	60	7-1/2	162.6	242.0	201,000	894.1
2-5/8	64	8	185.1	275.5	222,000	987.5
2-3/4	68	8-1/2	209.2	308.4	248,000	1103.2
3	72	9	234.3	348.7	277,000	1232.2
3-1/4	80	10	288.9	430.0	341,000	1516.8
3-5/8	88	11	349.9	520.7	409,000	1819.3
4	96	12	416.2	619.4	475,000	2112.9
4-1/4	104	13	489.5	716.6	549,000	2442.1

Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Methods for Fiber Rope. Weights are calculated at linear density under standard preload (200d²) plus 4%. See reverse side for application and safety information.

Please note that the Minimum Tensile Strengths of Black Nylon Double Braid products are normally 10% below published specifications. Type Approved of Nylon Double Braid does not apply to Black Nylon Double Braid.

Specific gravity 1.14*
Melting point 444°F (212°C)
Critical temp. 300°F (149°C)
Coefficient of friction 0.12-0.15*
Elongation at break 30%-35%
Fiber water absorption 3-4%
UV resistance good
Wet abrasion excellent
Dry abrasion excellent



* value based on data supplied by the fiber manufacturer for new, dry fiber



DIAMETER(mm)	0.12	0.13	0.14	~	0.35	0.36	0.37	~	1.50
DENIER	136	160	186	~	1,160	1,227	1,296	~	21,301
DTEX	151	178	207	~	1,289	1,363	1,440	~	23,668

* Steel Bobbin : 0.12mm ~ 0.35mm

* H-Plastic Bobbin : 0.36mm ~ 1.50mm

We believe that innovation is the way to be a leader in the market, and continuously upgrade our products and maintain the best quality standards.

PRODUCT APPLICATIONS

Apparel :-

We offer air textured, micro, cationic, full dull, dope-dyed and bright yarns which are used in products from trousers, shirts, suitings to ski-wear, from inner wear to sportswear. As a result of the controlled nature of our textured yarns - with compact, soft, bulky and other unique characteristics - all apparel products have a far superior feel and level of comfort as compared to ordinary polyesters.

Home Textiles :-

We offer fine micros, coarse micros, super-coarse, semi dull and bright yarns used in Bed Linen, Table Linen, Kitchen Linen, Towels and Curtains.

Automotive :-

Our products are made to the highest quality, which makes an ideal choice for automotive seat fabrics. The exceptional dyeing uniformity in super coarse deniers combined with high bulk consistency makes our yarn ideal for this end use.

Floor Covering :-

Our super coarse deniers (450-900), in semi dull and bright lustres are most commonly used in carpets. The enhanced properties of our polyester yarns enable the use of our coarse denier products in floor covering products.

Fancy Products :-

Our air textured yarns are most popularly used in the weaving sector to achieve different effects after processing, for use in fancy fabrics.

PRODUCT END USES

Apparel	Non Apparel
Sarees	Elastic tape
Dress material	Upholstery
Shirtings	Furnishing
Suitings	Curtains
Socks	Bed Linen
Denim	Carpets

Metallic yarn and embroidery



Product List	Specification	
POY Semi Dull & Bright Black & Dope Dyed Colors	125D/36F-75D/36F	500D/96F-300D/96F
	165D/36F-100D/36F	500D/144F-300D/144F
	165D/48F-100D/48F	750D/144F-450D/144F
	250D/48F-150D/48F	750D/192F-450D/192F
	250D/72F-150D/72F	750D/216F-450D/216F
	250D/96F-150D/96F	1000D/192F- 600D/192F
POY Bright RW (NEW)	250D/144F- 150D/144F	1000D/216F- 600D/216F
	165D/36F-100D/36F	500D/96F-300D/96F
	250D/48F-150D/48F	750D/144F-450D/144F



Product List	Specification	
DTY Semi Dull & Bright Black & Dope Dyed Colors NIM SIM & HIM	75D/36F	300D/144F
	100D/36F	300D/192F
	100D/48F	450D/144F
	150D/48F	450D/192F
	150D/96F	450D/216F
	150D/144F	600D/192F
DTY Bright RW (NEW)	150D/144F	600D/216F
	100D/48F	300D/96F
DTY "S" + "Z" (NEW)	150D/48F	450D/144F
	100D/48F/2	225D/96F/2
DTY Low Torque (NEW)	150D/48F/2	300D/96F/2
	100D/36F	150D/48F

PRODUCT RANGE

POY:

From 70 Denier to 2500 Denier in a wide range of lustres - Semi Dull, Full Dull, Bright, Cationic (Bright/ Semi dull) and Dope-dyed yarns.

FDY:

From 30 Denier to 2500 Denier in a wide range of lustres - Semi Dull, Full Dull, Bright, Cationic (Bright/ Semi dull) and Dope-dyed yarns. Yarns with special attributes like low boiling shrinkage, FDY for sizing etc.

DTY:

From 50 Denier to 2500 Denier - in all types of lustres and numerous fancy yarns, including wide range of Dope-dyed yarns.

Air Textured Yarns (ATY):

From 80 Denier to 2500 Denier - in various lustres, fancy yarns and Dope-dyed yarns.



Specification of PP Multifilament Yarn

Min denier --- 1200 D - Twisted - 2 Ply ---- Strength - 5.5 to 6 kgf
 Max denier -- 1700 D - Twisted - 2 Ply ---- Strength - 8 to 8.5 kgf
 Colour - white, green, natural, red, red + green or any combination
 In cone form of 1 to 1.25 kg

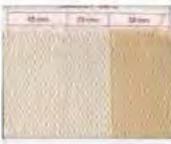
Applications

Mouth Closing of Fertilizer bags, polymer bags, master batches bags, chemical bags, Granules bags, cement bags
 In Food Industry for mouth closing of bags / sacks like Flour Mills, sugar, rice, wheat etc.



www.jebsons.com

DEBSONS DIVERSIFIED PRODUCTS
www.debsons.org debsons@gmail.com



Width Contrast

- Width: 15mm
- Width: 12mm
- Width: 10mm
- Width: 8mm
- Width: 6mm



DEBSONS[®]



**DEBSONS ENGINEERING PVT LTD.
CHITRA GIDC.BHAVNAGAR.GUJRAT**

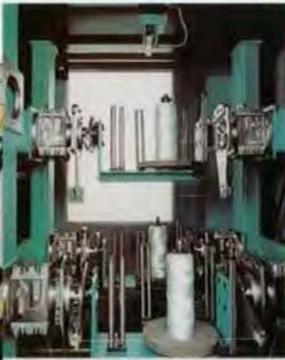
www.debson.com
www.debson.org



- ▶ robust construction for continuous operation
- ▶ material protecting carrier system
- ▶ low iron level
- ▶ proven carrier system
- ▶ low maintenance requirement

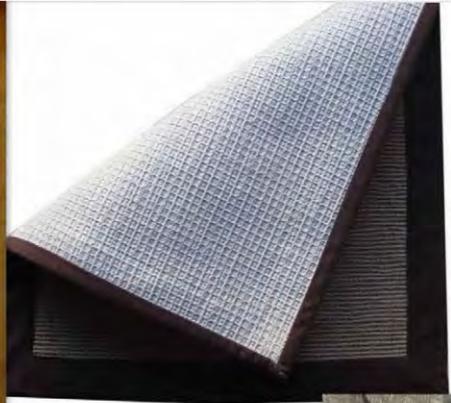


- ▶ low maintenance required
- ▶ robust construction for continuous operation
- ▶ perfected carrier types for high-tech looms
- ▶ well arranged operating elements



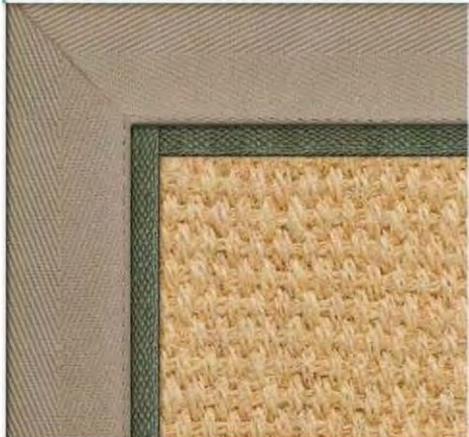


SISAL CARPET 140" X 100 METER LENGTH WITH LATEX



www.debsons.org

9433090832



Debsons Diversified Product Pvt. Ltd. Heldeck & Cargo Net



Scramble net made from 100% pure nylon rope of 25mm dia with distance between the rope 9"x9", 12"x12" mesh, with three galvanized 1/2" dia with 1.5 mtr long nylon rope of 25mm dia. with red fiber pipe one on the top and another at equal length distance along with float 8 on top & 3 at the bottom alongwith 2 end ropes of 3 meters long . as per the size reqd.



www.debsons.com or [org.](http://www.debsons.org)

JUTE HASSIAN CLOTH
14X15X51".COLOR, LAMINATION



www.debsons.com or www.debsons.org

SISAL MAT www.debsons.org





Ring-Size	Spindle Gauge	No. of Spindle	R.P.M	Lift	Length (mm)	Width (mm)	Motor
3"	145mm	200S	4200mm	12"	16000	1600	15kw (20HP)
3 1/2"	145mm	200S	4200mm	12"	16000	1600	15kw (20HP)
4"	155mm	200S	4000mm	12"	17000	1600	15kw (20HP)
4 1/2"	170mm	160S	4000mm	12"	15100	1600	15kw (20HP)
5"	190mm	140S	3800mm	12"	15600	1600	15kw (20HP)
5 1/2"	210mm	120S	3500mm	13"	14200	1900	15kw (20HP)
6"	220mm	120S	3500mm	13"	14800	1900	15kw (20HP)
6 1/2"	230mm	100S	3500mm	13"	13200	1900	15kw (20HP)
7"	250mm	100S	3300mm	13"	14200	2000	18.75kw (25HP)
8 3/4"	300mm	60S	2200mm	13"	10800	2000	22kw (30HP)
10"	350mm	60S	2000mm	14"	12700	2200	30kw (40HP)
11 1/4"	400mm	40S	1800mm	14"	10300	2200	30kw (40HP)

SINTERED RINGS ARE UNIQUE SELF-LUBRICATING RAILS FOR HIGH SPEED ROTATING TRAVELLERS TO WIND DIVERSE YARN ON BOBBINS FOR SPINNING AND TWISTING. THOSE ARE MADE PROPRIETARY POWDER METALLURGICAL TECHNOLOGY TO GUARANTEE AN EXCELLENT QUALITY AND A HIGHLY EFFICIENT PRODUCTION OF YARN.

STRONG COHESIVE FORCE OF SINTERED PARTICLES. CRITICALLY CONTROLLED HEAT TREATMENT. CRITICALLY CONTROLLED PUSHING AND PORE-OPENING TREATMENT.

As being specialized in the Ring Twisting Machine, we have performed our business with clients by the most convenient and rapid operation through the best service, based on the technology and R&D. We will always do our best with equal mind as beginning for the various need of our potential clients.

BREAKING LOAD COTTON JUTE NYLON P.P SISAL MANILA ROPE

SIZE	COTTON ROPE	JUTE ROPE	NYLON ROPE	POLYPROP ROPE	MANILA	MANILA	ROPE					
DIA	BREAKIG	weight	BREAKING weight	BREAKING weight	weight	BREAKIG	weigh	BREAKIG	BREAKIG	BREAKIG	WT&VARN	
IN MM	Strength	per col	STRENGTH per col	strength per col	strength per col	strength	t	GR 2	GR 1	GR 3	PERSTRAND	
4	110	3.5	85	3.5	320	2.3	214	1.63	114	264	84	3
6	220	7.5	150	6	750	5.2	602	3.7	254	310	180	612
8	295	10.5	313	10	1350	9.2	1060	6.6	483	545	419	1213
10	455	16	453	16	2080	14.3	1560	10	635	705	559	1514
12	770	26	648	23	3000	20.6	2210	14.5	955	1065	838	2516
14	955	36	907	31	4100	28	3770	20	1285	1450	1285	3118
16	1170	47	1252	40	5300	36.5	4810	25.5	1805	2030	1576	4210
18	1600	65	1511	51	6700	46	5800	32.5	2135	2440	1880	5113
20	1815	83	1857	63	8300	57	6960	40	2854	3250	2215	6216
22	2335	100	2159	76	10000	69	8130	48.5	3405	3805	2972	7719
24	2585	119	2677	91	12000	82	9410	57	4065	4570	3555	9523
26							9410	67.60	4725	5440		10727
28	3245	150	3367	123	15800	112	10710	78	5326	6095	4725	12831
30							12220	89	6095	6860	5365	13736
32	4605	215	4318	161	20000	146	13500	101	6860	7875	6071	16543
36	6350	281	5398	205	24800	184	16930	129	8635	9650	7570	19652
40	7550	330	6692	253	30000	228	20510	158	10415	11940	9703	242164
44	9570	395			35800	276	24640	194	12700	14225	11024	29581
48	11635	474	9499	364	42000	330	28610	229	14735	16765	12955	34856
52	13065	528			48900	384	33110	268	17275	19560	15088	411113
56	14450	578			56000	446	37850	312	19815	22355	17425	473125
60	17235	737			63800	512	43260	359	22605	25400	19813	546144

ALL ROPES ARE LENGTH 220.MTRS, 720 FEET, 120 FTH. THREE STRAND , WE ARE MANUFACTURE ONE FEET TO THREE THOUSAND FEET LENGTH. ALL ROPE ARE AS PER I.S.S.&B.S.S SPECIFICATION & IND T.C.

MANILA

Manila Cordage Company

MANILA ROPE : Conforms with USFS TR-805B, Amendment 3

Circumference	Diameter (Approximate)		Per 30 meters (Per 100 feet)		Per 220 meters (Per 720 feet)		Minimum Tensile Strength		
	in.	mm	lb.	kg.	lb.	kg.	lb.	kg.	
5/8	16	3/16	5	1.50	0.68	10.8	4.9	405	184
3/4	19	1/4	6	2.00	0.91	14.4	6.5	540	245
1	25	5/16	8	2.90	1.31	20.9	9.5	900	408
1-1/8	28	3/8	9	4.10	1.86	29.5	13.4	1,215	551
1-1/4	32	7/16	10	6.25	2.38	37.9	17.1	1,575	714
1-1/2	38	1/2	12	7.50	3.40	54.0	24.5	2,385	1,082
1-3/4	44	9/16	14	10.42	4.72	75.0	34.0	3,105	1,408
2	51	5/8	16	13.33	6.05	98.0	43.5	3,960	1,796
2-1/4	57	3/4	18	16.67	7.56	120.0	54.4	4,950	2,204
2-1/2	63	13/16	20	19.60	8.85	140.4	63.7	5,850	2,654
2-3/4	70	7/8	22	22.60	10.21	162.0	73.5	6,930	3,143
3	76	1	24	27.00	12.25	194.4	88.2	8,100	3,674
3-1/4	82	1-1/16	26	31.25	14.17	225.0	102.1	9,450	4,286
3-1/2	89	1-1/8	28	36.00	16.33	259.2	117.6	10,800	4,899
3-3/4	95	1-1/4	30	41.83	18.98	301.2	136.6	12,150	5,511
4	101	1-5/16	32	48.00	21.77	345.6	156.8	13,500	6,124
4-1/2	114	1-1/2	36	60.00	27.22	432.0	196.0	16,650	7,552
5	127	1-5/8	40	74.42	33.76	535.8	243.0	20,250	9,185
5-1/2	139	1-3/4	44	89.42	40.56	643.8	292.0	23,850	10,818
6	152	2	48	107.50	48.76	774.0	351.1	27,900	12,655
7	178	2-1/4	56	148.00	66.23	1051.2	476.8	36,900	16,738
8	203	2-5/8	64	160.93	86.56	1374.0	623.2	46,800	21,228
9	228	3	72	241.67	109.62	1740.0	789.3	57,800	26,127
10	254	3-1/4	80	299.17	135.70	2154.0	977.0	69,300	31,434
11	279	3-5/8	88	366.87	166.32	2640.0	1197.5	81,900	37,150
12	305	4	96	436.00	197.77	3139.2	1423.9	94,500	42,865

CONVERSION GUIDE

SIZE:

Inches x 25.40 = Millimeters
mm x 0.03937 = Inches
Diameter X 3 = Circumference

LENGTH:

1 Meter = 3.208 Feet
1 Foot = 0.3208 Meters
1 fathom = 6 Feet or 1.828 Meters
1 Yard = 3 Feet or 0.9144 Meters

WEIGHT:

kg x 2.2046 = Pounds
Pounds x 0.4536 = Kilograms
Tonne x 1000 = kg
Lbs. Per 100 ft. x 1.4882 = Kg per 100 m
Kg per 100 m x 0.6720 = lbs. Per 100 ft.
Tex = Grams per Meter

RUNNAGE:

Feet per Pound x 0.6720 = Meters per Kg
m per kg x 1.4882 = ft. per lb.

STRENGTH:

Tonnes force x 2204.6 = lbs. Force
Lbs. Force x 0.00045359 = Tonnes force
Pounds force x 4.448 = Newtons
N x 0.2248 = lbs. Force
Kilograms force x 9.806 = Newtons
N x 0.1020 = kg force
Pounds force x 0.004448 = Kilonewtons
kn x 224.8 = lbs. Force

debrons[®] DIVERSIFIED PRODUCTS. (Polysteel rope)

SIZE			Polysteel Rope(ISO 2307-2010)			
Dia	Dia	Cir	WEIGHT		MBL	
(mm)	(inch)	(inch)	(kgs/220m)	(lbs/1200ft)	(kgs or tons)	(kn)
4	5/32	1/2	1.32	4.84	247	2.42
5	3/16	5/8	2.45	8.99	368	3.61
6	7/32	3/4	3.75	13.76	690	6.76
7	1/4	7/8	5.10	18.71	862	8.45
8	5/16	1	6.60	24.21	1,193	11.69
9	11/32	1-1/8	8.10	29.71	1,365	13.38
10	3/8	1-1/4	9.90	36.32	1,836	17.99
12	1/2	1-1/2	14.30	52.46	2,591	25.39
14	9/16	1-3/4	20.00	73.37	3,468	33.99
16	5/8	2	25.30	92.81	4,437	43.48
18	3/4	2-1/4	32.50	119.22	5,559	54.48
20	13/16	2-1/2	40.00	146.74	6,752	66.17
22	7/8	2-3/4	48.40	177.55	8,068	79.07
24	1	3	57.00	209.10	9,466	92.77
26	1-1/16	3-1/4	67.00	245.79	10.92	107.02
28	1-1/8	3-1/2	78.00	286.14	12.546	122.95
30	1-1/4	3-3/4	89.00	326.49	14.18	138.94
32	1-5/16	4	101.00	370.51	16.01	156.90
34	1-3/8	4-1/4	115.00	421.87	16.7	163.66
36	1-7/16	4-1/2	129.00	473.23	19.79	193.94
38	1-9/16	4-3/4	142.00	520.92	20.53	201.19
40	1-5/8	5	158.00	579.62	23.87	233.93
42	1-11/16	5-1/4	176.00	645.65	24.82	243.24
44	1-3/4	5-1/2	194.00	711.68	28.58	280.08
46	1-7/8	5-3/4	211.00	774.04	29.35	287.63
48	1-15/16	6	229.00	840.08	33.19	325.26
50	2	6-1/4	248.00	909.78	33.98	333.00
52	2-1/8	6-1/2	268.00	983.15	38.41	376.42
54	2-3/16	6-3/4	290.00	1063.85	39.10	383.18
56	2-1/4	7	312.00	1144.56	43.80	429.24
58	2-5/16	7-1/4	335.00	1228.93	44.78	438.844
60	2-3/8	7-1/2	359.00	1316.98	50.22	492.156





(3/4 STRAND ROPE)

SIZE			PP Destrin Rope (ISO 2307:2010)		PE Rope (ISO 2805:2011)		PP-Mult Rope (ISO 2307:2011)		Nylon Rope (ISO 2307:2010)		Polyester Rope (ISO 2307:2010)	
Dia	Dia	Cir	WEIGHT	MBL	WEIGHT	MBL	WEIGHT	MBL	WEIGHT	MBL	WEIGHT	MBL
(mm)	(inch)	(inch)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)
4	5/32	1/2	1.32	215kgf	1.78	200kgf	1.32	200kgf	2.31	320kgf	2.60	295kgf
5	3/16	5/8	2.45	320	2.66	300	2.45	290	3.60	500	4.10	400
6	7/32	3/4	3.75	600	4.00	400	3.75	380	4.95	750	6.00	565
7	1/4	7/8	5.10	750	5.50	550	5.10	530	6.70	1,020	8.20	770
8	5/16	1	6.60	1,060	7.20	700	6.60	680	8.80	1,350	10.00	1,020
9	11/32	1-1/8	8.10	1,190	9.00	890	8.10	890	11.20	1,700	13.50	1,270
10	3/8	1-1/4	9.90	1,560	10.80	1,090	9.90	1,050	13.60	2,080	16.70	1,530
12	1/2	1-1/2	14.30	2,210	15.80	1,540	14.30	1,500	19.60	3,000	24.20	2,270
14	9/16	1-3/4	20.00	3,050	21.00	2,090	20.00	2,030	27.00	4,100	32.60	3,160
16	5/8	2	25.30	3,78Ts	28.00	2,80Ts	25.30	2,75Ts	35.00	5,30Ts	43.00	4,10Ts
18	3/4	2-1/4	32.50	4.82	35.00	3.50	32.50	3.20	44.00	6.70	54.00	5.15
20	13/16	2-1/2	40.00	5.80	44.00	4.30	40.00	4.15	54.00	8.30	67.00	6.40
22	7/8	2-3/4	48.40	6.96	53.40	5.10	48.40	4.95	66.00	10.00	81.00	7.60
24	1	3	57.00	8.13	65.00	6.10	57.00	5.85	78.00	12.00	96.00	9.10
26	1-1/16	3-1/4	67.00	9.41	72.00	7.41	67.00	6.70	92.00	14.00	113.00	10.70
28	1-1/8	3-1/2	78.00	10.70	86.00	8.20	78.00	7.80	107.00	15.80	131.00	12.20
30	1-1/4	3-3/4	89.00	12.22	101.00	9.50	89.00	9.00	122.00	17.80	150.00	13.70
32	1-5/16	4	101.00	13.50	115.00	10.70	101.00	10.20	139.00	20.00	171.00	15.70
34	1-3/8	4-1/4	115.00	14.40	130.00	11.60	115.00	11.20	156.00	22.00	192.00	17.40
36	1-7/16	4-1/2	129.00	16.93	145.00	13.40	129.00	12.80	176.00	24.90	216.00	19.40
38	1-9/16	4-3/4	142.00	17.70	160.00	14.30	142.00	13.90	195.00	27.40	243.00	21.60
40	1-5/8	5	158.00	20.51	173.00	16.30	158.00	15.80	218.00	30.00	267.00	24.00
42	1-11/16	5-1/4	176.00	21.40	191.00	17.20	176.00	16.70	238.00	32.90	295.00	26.10
44	1-3/4	5-1/2	194.00	24.64	209.00	19.60	194.00	18.50	264.00	35.80	323.00	28.50
46	1-7/8	5-3/4	211.00	25.30	230.00	20.60	211.00	19.70	310.00	38.90	354.00	30.90
48	1-15/16	6	229.00	28.61	263.00	22.80	229.00	21.90	312.00	42.00	385.00	33.60
50	2	6-1/4	248.00	29.30	275.00	24.30	248.00	23.40	339.00	45.40	418.00	36.30
52	2-1/8	6-1/2	268.00	33.11	297.00	26.40	268.00	25.50	365.00	48.90	451.00	39.20
54	2-3/16	6-3/4	290.00	33.70	320.00	28.20	290.00	27.30	393.00	52.40	483.00	41.90
56	2-1/4	7	312.00	37.76	345.00	30.40	312.00	29.50	425.00	56.00	524.00	44.80
58	2-5/16	7-1/4	335.00	38.60	370.00	33.20	335.00	32.30	454.00	59.90	563.00	47.20
60	2-3/8	7-1/2	359.00	43.29	396.00	37.40	359.00	33.50	486.00	63.90	601.00	49.90



DIVERSIFIED PRODUCTS.

(3/4 STRAND ROPE)

SIZE			FF Design Rope (ISO 2307-2010)		FE Rope (ISO 2807-2011)		FEMulti Rope (ISO 2307-2010)		Nylon Rope (ISO 2307-2010)		Polyester Rope (ISO 2307-2010)	
Dia	Dia	Cir	WEIGHT	MBL	WEIGHT	MBL	WEIGHT	MBL	WEIGHT	MBL	WEIGHT	MBL
(mm)	(inch)	(inch)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)	(kgs/220m)	(kgs or tons)
4	5/32	1/2	1.32	215kgf	1.78	200kgf	1.32	200kgf	2.31	320kgf	2.60	295kgf
5	3/16	5/8	2.45	320	2.66	300	2.45	290	3.60	500	4.10	400
6	7/32	3/4	3.75	600	4.00	400	3.75	380	4.95	750	6.00	565
7	1/4	7/8	5.10	750	5.50	550	5.10	530	6.70	1,020	8.20	770
8	5/16	1	6.60	1,060	7.20	700	6.60	680	8.80	1,350	10.00	1,020
9	11/32	1-1/8	8.10	1,190	9.00	890	8.10	890	11.20	1,700	13.50	1,270
10	3/8	1-1/4	9.90	1,560	10.80	1,090	9.90	1,050	13.60	2,080	16.70	1,530
12	1/2	1-1/2	14.30	2,210	15.80	1,540	14.30	1,500	19.80	3,000	24.20	2,270
14	9/16	1-3/4	20.00	3,050	21.00	2,090	20.00	2,030	27.00	4,100	32.60	3,160
16	5/8	2	25.30	3,78Ts	28.00	2,80Ts	25.30	2,75Ts	35.00	5,30Ts	43.00	4,10Ts
18	3/4	2-1/4	32.50	4.82	35.00	3.50	32.50	3.20	44.00	6.70	54.00	5.15
20	13/16	2-1/2	40.00	5.80	44.00	4.30	40.00	4.15	54.00	8.30	67.00	6.40
22	7/8	2-3/4	48.40	6.96	53.40	5.10	48.40	4.95	66.00	10.00	81.00	7.60
24	1	3	57.00	8.13	65.00	6.10	57.00	5.85	78.00	12.00	96.00	9.10
26	1-1/16	3-1/4	67.00	9.41	72.00	7.41	67.00	6.70	92.00	14.00	113.00	10.70
28	1-1/8	3-1/2	78.00	10.70	86.00	8.20	78.00	7.80	107.00	15.80	131.00	12.20
30	1-1/4	3-3/4	89.00	12.22	101.00	9.50	89.00	9.00	122.00	17.80	150.00	13.70
32	1-5/16	4	101.00	13.50	115.00	10.70	101.00	10.20	139.00	20.00	171.00	15.70
34	1-3/8	4-1/4	115.00	14.40	130.00	11.60	115.00	11.20	156.00	22.00	192.00	17.40
36	1-7/16	4-1/2	129.00	16.93	145.00	13.40	129.00	12.80	176.00	24.90	216.00	19.40
38	1-9/16	4-3/4	142.00	17.70	160.00	14.30	142.00	13.90	195.00	27.40	243.00	21.60
40	1-5/8	5	158.00	20.51	173.00	16.30	158.00	15.80	218.00	30.00	267.00	24.00
42	1-11/16	5-1/4	176.00	21.40	191.00	17.20	176.00	16.70	238.00	32.90	295.00	26.10
44	1-3/4	5-1/2	194.00	24.64	209.00	19.60	194.00	18.50	264.00	35.80	323.00	28.50
46	1-7/8	5-3/4	211.00	25.30	230.00	20.60	211.00	19.70	310.00	38.90	354.00	30.90
48	1-15/16	6	229.00	28.61	253.00	22.80	229.00	21.90	312.00	42.00	385.00	33.60
50	2	6-1/4	248.00	29.30	275.00	24.30	248.00	23.40	339.00	45.40	418.00	36.30
52	2-1/8	6-1/2	268.00	33.11	297.00	26.40	268.00	25.50	365.00	48.90	451.00	39.20
54	2-3/16	6-3/4	290.00	33.70	320.00	28.20	290.00	27.30	393.00	52.40	483.00	41.90
56	2-1/4	7	312.00	37.76	345.00	30.40	312.00	29.50	425.00	56.00	524.00	44.80
58	2-5/16	7-1/4	335.00	38.60	370.00	33.20	335.00	32.30	454.00	59.90	563.00	47.20
60	2-3/8	7-1/2	359.00	43.29	398.00	37.40	359.00	33.50	486.00	63.90	601.00	49.80



DEBSONS DIVERSIFIED PRODUCTS.



Fire Retardant # Rot & Water Proof # Dyeing # Latex
Synthetic & Natural Fibre, Yarn, Twine, Cord, Rope & Rover Mat & Textile,
Hemp, cotton, Sisal, Manila, Nylon, Polypropylene & Jute Fabric

To Required Specification Size & Description, We Also Give A Fabric Finish To Your Designs,
All Units Utilize No Child Labours, we have 60% Reservation for Handicap & Rehabilitated People.

IS1084 :2005, IS1321:2003, IS 570 : 1964, IS 6590 : 1972, IS 5175 : 1992, IS 2819 :1983

SPECIFICATIONS OF BINOLA, STD A/B/L TWILL, SUGAR TWILL BAG

SL NO	ITEM NAME	PURPOSE	SPECIFICATIONS
10.	Binola Twill Bag JBO / VOT Grade (Sacking, stripped twill bag)	Suitable for 90 Kg rice, wheat, & other similar food grains Packing	Size: 44" x 26.5" Weight: 2.00 lbs or 900 grams/bag Porter & Shot: 6 x 7 Other Description: Mouth hemmed, Overhead dry sewn, 3 blue stripes in the middle, calendared Packing: 300 bags / bale 1 x 20ft FCL = 72 bales
11.	STD A. Twill Bag JBO / VOT Grade (Sacking, stripped twill bag)	Suitable for 100 Kg Sugar & other similar food grains packing	Size: 44" X 26.5" Weight: 2.625 lbs or 1.18 Kg/bag Porter & Shot: 8 x 9 Other Description: Mouth hemmed, Overhead dry sewn, 3 blue stripes in the middle, calendared Packing: 400 bags / bale 1 x 20ft FCL = 44 bales
12.	STD B. Twill Bag JBO / VOT Grade (Sacking, stripped twill bag)	Suitable for 90 - 100 Kg rice, wheat & other similar food grains packing	Size: 44" x 26.5" Weight: 2.25 lbs or 1.01 Kg/bag Porter & Shot: 6 x 8 Other Description: Mouth hemmed, Overhead dry sewn, 3 blue stripes in the middle, calendared Packing: 300 bags / bale 1 x 20ft FCL = 65 bales
13.	STD L. Twill Bag JBO / VOT Grade (Sacking, stripped twill bag)	Suitable for 90 - 100 Kg rice, wheat & other similar grains Packing	Size: 44" X 26.5" Weight: 2.50 lbs or 1.12 Kg/bag Porter & Shot: 8 x 8 Other Description: Mouth hemmed, Overhead dry sewn, 3 blue stripes in the middle, calendared Packing: 300 bags / bale 1 x 20ft FCL = 60 bales
14.	Sugar Twill Bag JBO / VOT Grade (Sacking, plain twill bag)	Suitable for sugar packing	Size: 48" X 28" Weight: 2.50 lbs or 1.10 Kg/bag Porter & Shot: 6 x 8 Other Description: Mouth hemmed, Overhead dry sewn, plain / stripe in the middle, calendared Packing: 400 bags / bale 1 x 20ft FCL = 44 bales



SPECIFICATIONS OF JUTE YARNS & TWINES

SL NO	ITEM NAME	PURPOSE	SPECIFICATIONS
01.	Jute Yarns/Twines (1/2/3/4/5 piles) Sacking & Hessian Natural/Dyed Normal/Polished CB/CRM/CRT/CRXCRP Quality	Jute Yarns & Twines are widely used in packaging and carpet industries. These are also used as tagging thread in textile and garments industries	06 lbs 07 lbs 08 lbs 09 lbs 10 lbs 11 lbs 12 lbs 13 lbs 14 lbs 15 lbs 16 lbs 17 lbs 18 lbs 19 lbs 20 lbs 21 lbs 22 lbs 23 lbs 24 lbs 25 lbs 26 lbs 27 lbs 28 lbs 29 lbs 30 lbs 31 lbs 32 lbs 33 lbs 34 lbs 35 lbs 36 lbs Packing: Precision wound on wooden conical spools 10"x10" Each spool duly wrapped by polythene and the spools are packed in export worthy jute bag/polythene bag/polypropylene bag. 1x20ft FCL = 15 M. Ton, 1X40' container = 26 M. Ton (Any quality). Note: Other method of packing as per buyers' requirements are also accepted

SPECIFICATIONS OF JUTE ROPE & JUTE WEBBING

SL NO	ITEM NAME	PURPOSE	SPECIFICATIONS
02.	Jute Rope	Jute ropes are used for many different purposes	Dia of Ropes: 4mm – 55mm Packing: As per buyers' requirements Loading Capacity: 12 Metric Ton / 20' Container 24 Metric Ton / 40' Container 26 Metric Ton / 40' HC Container
03.	Jute Webbing / Jute Tape	Jute webbing is the back up material of waist belt, traveling bag belt, cot, chair and other furniture's strap, etc.	Width: 2" to 3.5" Weight: 9lbs to 24 lbs/gross yard (144 yards) Construction: 6 to 8 peaks/square inch Stripe: 1 to 8 stripes Packing: 36 yards or 72 yards = 1 roll 12/24/ 48 Rolls = 1 Bale 11.50 Metric Ton = 1X20' Container

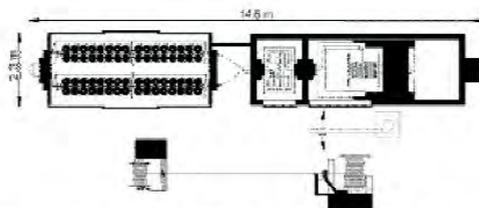
DEBSONS Rope Making Machine

ROPE-MAKING

www.debson.com

Rope production line

The leaf covers both types of rope-making machines. The difference between the 2 types consists in the fact that the 88-590 takes up on extra large reels with a capacity of 550 kg polypropylene rope, whereas the 88-370 takes up on standard reels with a capacity of 370 kg polypropylene rope.



Power consumption: 25 kWAC	88-370 weight: 11,150 kg	88-370 weight: 13,500 kg	88-590 weight: 25,500 kg				
	88-590 weight: 14,800 kg	88-590 weight: 15,000 kg					

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Web site : www.debsons.org X www.debson.com

DEBSONS Rope Making Machine

ROPE-MAKING

www.debson.com

Rope production line

Technical data	88-370	88-550
Rope range:	Ø14-44 mm	
Rope type/speed:	88-370: 0-max. 200 rpm, depending on pre-twist factor	88-550: 0-max. 200 rpm, depending on pre-twist factor
Rope lay:	S and Z	
Lay length:	20-232 mm/48-4.3 twists per metre, longer lay length on request	
Pre-twist factor:	-3 to +3 x rope twist	
Take-up, steel reel:	88-370: Ø1,000 mm x 1,000 mm baroque Polypropylene 370 kg, polyester 360 kg	88-550: Ø1,250 mm x 1,000 mm baroque Polypropylene 560 kg, polyester 540 kg
Take-up, C1444 coiling head:	Ø1,000 x 600 mm, adjustable traverse-max. 600 mm, barrel Ø263 mm Polypropylene 240 kg, polyester 430 kg	
Pay-off packages:	88-370/3 and 88-550/3	88-370/4 and 88-550/4
	3 x 26, max. Ø300 x 300 mm traverse	4 x 26, max. Ø300 x 300 mm traverse
	3 x 32, max. Ø250 x 300 mm traverse	4 x 32, max. Ø250 x 300 mm traverse
	3 x 60, max. Ø165 x 386 mm traverse	4 x 60, max. Ø165 x 386 mm traverse
	<i>Optional equipment: adapter of machine to accommodate other package dimensions and numbers of packages</i>	

Reel capacity

Rope diameter	88-370 steel reel	88-550 steel reel	Coiling head
Ø16 mm:	3,120 m	4,370 m	2,075 m
Ø20 mm:	2,000 m	3,120 m	1,330 m
Ø22 mm:	1,650 m	2,575 m	1,100 m
Ø26 mm:	1,180 m	1,345 m	785 m
Ø32 mm:	780 m	1,220 m	520 m
Ø40 mm:	530 m	780 m	330 m
Ø44 mm:	410 m	645 m	275 m

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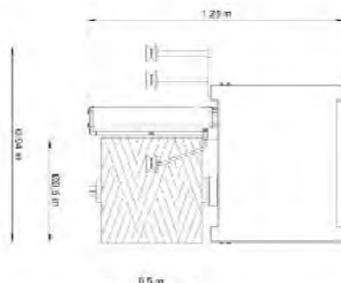
Web site: www.debsons.org X www.debson.com

DEBSONS Rope Making Machine WINDER *Take-up winder*

www.debson.com

Debsons heavy-duty take-up winder

For precision winding of extruded tape
High-quality packages of up to 55 kg
Innovative technology
Constant winding tension



Technical data

Take-up:	Max. Ø500 x 500 mm
Take-up, max. weight:	Polypropylene 55 kg
Yarn:	Max. 90,000 dtex
Yarn speed:	Max. 300 m/min.
Winding tension:	500-10,000 cN
Take-up spindle:	Ø500 mm, collapsible tube spindle (standard) or Ø405 mm tubeless
Motor:	1.1 kW AC motor with inverter drives
Voltage:	3 x 380-480 V 50/60 Hz

E-mail: debsons@vsnl.com debsons@gmail.com debsons@teconet.com

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WE ARE SPECIALIST IN STEEL WIRE & BAR CORE P.P. JUTE. HEMP, DANLINE MULTIFILAMENT, COTTON, LLDP, P.P,HDPE, PET NYLON & ARMID FIRE-RETARDENT 800 - 1400 HEAT RESISTANT, WATERPROOF AND UV PROTECT . PETRO CHEMICAL P.P (PE), LDPE, HDPE, LLDPE, PVC, PET, POM, P.C, ABS, PLYMAR / POLY PVC.

We manufacture to your specifications, giving a fabric finish to your designs. SPL JUTE ROPE BREAKING STRENGTH AS MANILA OR HEMP FLAX, WATER RESISTANCE & FIRE-RESISTANCE AVAILABLE 1 MM TO 160 MM DIA 1 TO 5000 MTRS LENGTH BREAKING STRENGTH AS BELOW. JUTE COTTON WOOLENISE CLOTH 60".



TABLE 1 REQUIREMENTS OF JUTE LINES AND ROPES

Sl. No.	DIAMETER	MINIMUM NO. OF YARN PER STRAND	LINENAR DENSITY	MINIMUM BREAKING LOAD
			k tex (kg/m)	daN
i)	2	2	0.4	25
ii)	3	3	0.6	35
iii)	4	4	1.2	45
iv)	5	5	1.8	130
v)	6	6	2.2	150
vi)	7	11	3.4	190
vii)	8	13	4.6	305
viii)	10	21	7.3	445
ix)	12	30	10.2	635
x)	15	41	14.2	890
xi)	18	52	18.2	1225
xii)	21	63	22.2	1480
xiii)	24	74	26.2	1820
xiv)	27	85	30.2	2115
xv)	30	103	36.2	2625
xvi)	33	120	41.2	3135
xvii)	36	137	46.2	3645
xviii)	39	154	51.2	4250
xix)	42	171	56.2	4855
xx)	45	188	61.2	5460
xxi)	48	205	66.2	6065
xxii)	51	222	71.2	6670

Braking Strength As Sisal & Manila Water Proof & Fire Retardant

Conforms with USFS TR-005, Amendment 3

SIZE	Per 100 meters		Per 200 meters		Minimum Tensile Strength				
	Circumference	Diameter (Approximate)	(Per 100 feet)	(Per 220 feet)	lb.	kg.			
5/8	16	3/16	5	1.50	0.68	10.8	4.9	405	184
3/4	19	1/4	6	2.00	0.91	14.4	6.5	540	245
1	25	5/16	8	2.90	1.31	20.9	9.5	900	408
1-1/8	28	3/8	9	4.10	1.86	29.5	13.4	1,215	551
1-1/4	32	7/16	10	5.25	2.38	37.8	17.1	1,575	714
1-1/2	38	1/2	12	7.50	3.40	54.0	24.5	2,295	1,042
1-3/4	44	9/16	14	10.42	4.72	75.0	34.0	3,105	1,408
2	51	5/8	16	13.33	6.05	96.0	43.5	3,960	1,796
2-1/4	57	3/4	18	16.67	7.56	120.0	54.4	4,860	2,204
2-1/2	63	13/16	20	19.50	8.85	140.4	63.7	5,850	2,654
2-3/4	70	7/8	22	22.50	10.21	162.0	73.5	6,930	3,143
3	76	1	24	27.00	12.25	194.4	88.2	8,100	3,674
3-1/4	82	1-1/16	26	31.25	14.17	225.0	102.1	9,450	4,286
3-1/2	89	1-1/8	28	36.00	16.33	259.2	117.6	10,800	4,899
3-3/4	95	1-1/4	30	41.83	18.98	301.2	136.6	12,150	5,511
4	101	1-1/2	32	48.00	21.77	345.6	156.8	13,500	6,124
4-1/2	114	1-1/2	36	60.00	27.22	432.0	196.0	16,800	7,552
5	127	1-5/8	40	74.42	33.76	535.8	241.0	20,350	9,185
5-1/2	139	1-3/4	44	89.42	40.56	643.8	292.0	23,850	10,818
6	152	2	48	107.50	48.76	774.0	351.1	27,900	12,655
7	178	2-1/4	56	146.00	66.23	1051.2	476.8	36,900	16,738
8	203	2-3/4	64	190.83	86.56	1374.0	623.2	48,000	21,228
9	228	3	72	241.67	109.62	1740.0	789.3	57,600	26,127
10	254	3-1/4	80	299.17	135.70	2154.0	977.0	69,300	31,434
11	279	3-3/4	88	366.67	166.32	2640.0	1197.5	81,900	37,150
12	305	4	96	436.00	197.77	3139.2	1423.9	94,500	42,865

TOLERANCES As indicated above ± 5 percent
 METHOD IS : 7071 (Part 3) - 1074* IS : 7071 (Part 2) - 1074* Appendix A