



Futai Machinery Co., Ltd.

Components for Synthetic Fiber Spinning Machines & False Texturizing Machines



Your Partner Specialized in Quality Parts

Synthetic Fiber Spinneret

Wet Spinning Spinneret



Wet Spinning is one of the major synthetic fiber spinning methods. Firstly the polymers need to be dissolved into solvent. Then the polymer solvent is extruded through the spinneret immersed in tanks which contains the polymer solvent, and then form the filament via solidification. Acrylic, vinyl, rayon are produced by this method.

In addition, wet spinning is also used to produce carbon fiber. Carbon fiber can be classified into PAN-base, and pitch-base. Nowadays, More than 90% carbon fiber is Pan carbon fiber. The PAN carbon fiber is produced via carbonization procedure of Pan, which is of high tension strength and high elastic strength. In general, wet spinning and dry-wet spinning are the main wet spinning methods. Especially the wet spinning is mostly used, which is of high productivity. In comparison with dry-wet spinning, the spinnerets used for wet spinning have more holes.

Material	stainless steel, tantalum, gold-platinum alloy
Number of holes	200,000, etc.
Shape	round, rectangular, ring, etc.
Diameter	0.03-0.3mm or on request
L/D	1-3 or on request
Application	Rayon, Carbon fiber, Acrylic, Aramid, Vinyon, etc.

Dry Spinning Spinneret



Material	stainless steel, tantalum
Number of holes	5000, etc
Shape	round, Triangular, etc
Diameter	0.06-0.5mm or on request
L/D	1-15 or on request
Application	Acrylic, Acetate, Triacetate, Spandex, etc

In dry spinning, the polymer in the first is dissolved into solvent, then is extruded from the spinneret into the hot air and at last is solidified into filament due to rapid evaporation. Acetate, acrylic and spandex can be produced in this method. In comparison with round hole spinnerets, the irregular hole spinnerets place higher requirement in the accuracy for the hole of width, length and the angle of guide hole.

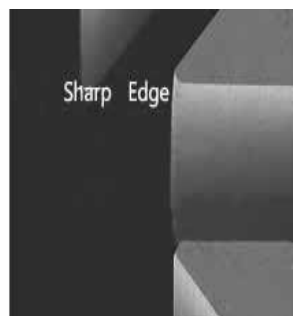
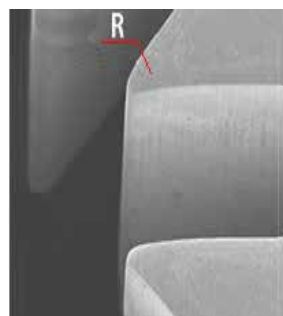
Parts for Synthetic Fiber Spinning Machines

Melt Spinning Spinneret



Melt Spinning is one of the major synthetic fiber spinning methods. Its main features are high winder speed, solvent not needed, simple machines and short procedures. Compare with other spinning method, Melt spinning is of high productivity. Melt spinning are mainly used to produce polyester, Nylon and PP.

Material	stainless steel
Number of holes	On request
Shape	round, irregular
Application	Polyester, Nylon, PP, staple fiber, etc



Spin Pack

Based on our rich experience and knowledge, we manufacture spin pack for wet, dry, melt and other spinning method for monofilament, multifilament, staple fiber and bi-components of sea-island, sheath-core, segment-pie, side by side and others filament and fibers.

Appearance of conjugate spinneret assembly



Overall picture of assembly



Sand Case

Spinneret & Other Parts For assembly



View of components from inlet side



View of components from outlet side



Assembled Spinnerets

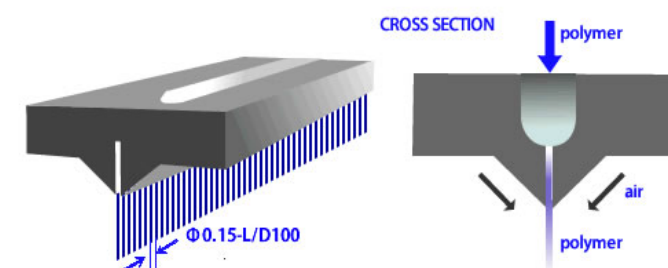
Spinneret for Nonwoven

Spunlace Spinneret



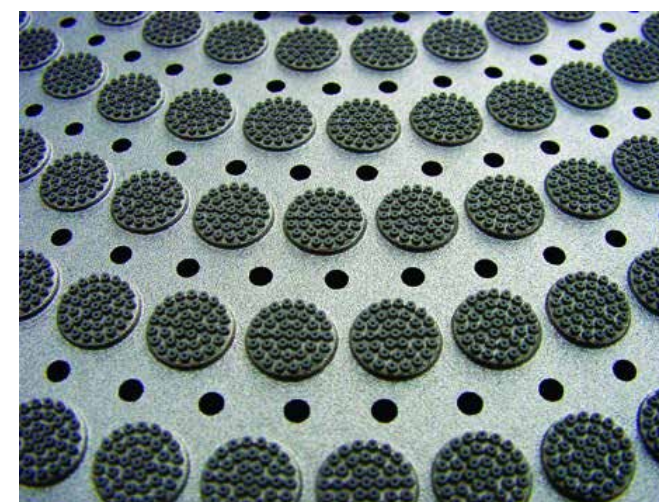
The spunlace method utilizes high pressure water jet streams which mechanically entangle fibrous webs to form the nonwoven fabrics.

Melt Brown Spinneret



The melt brown method blows off the molten thermoplastic polymer through the spinneret by means of convergent stream of hot air, which then rapidly attenuates the out-jetted polymer streams to form the nonwoven fabrics.

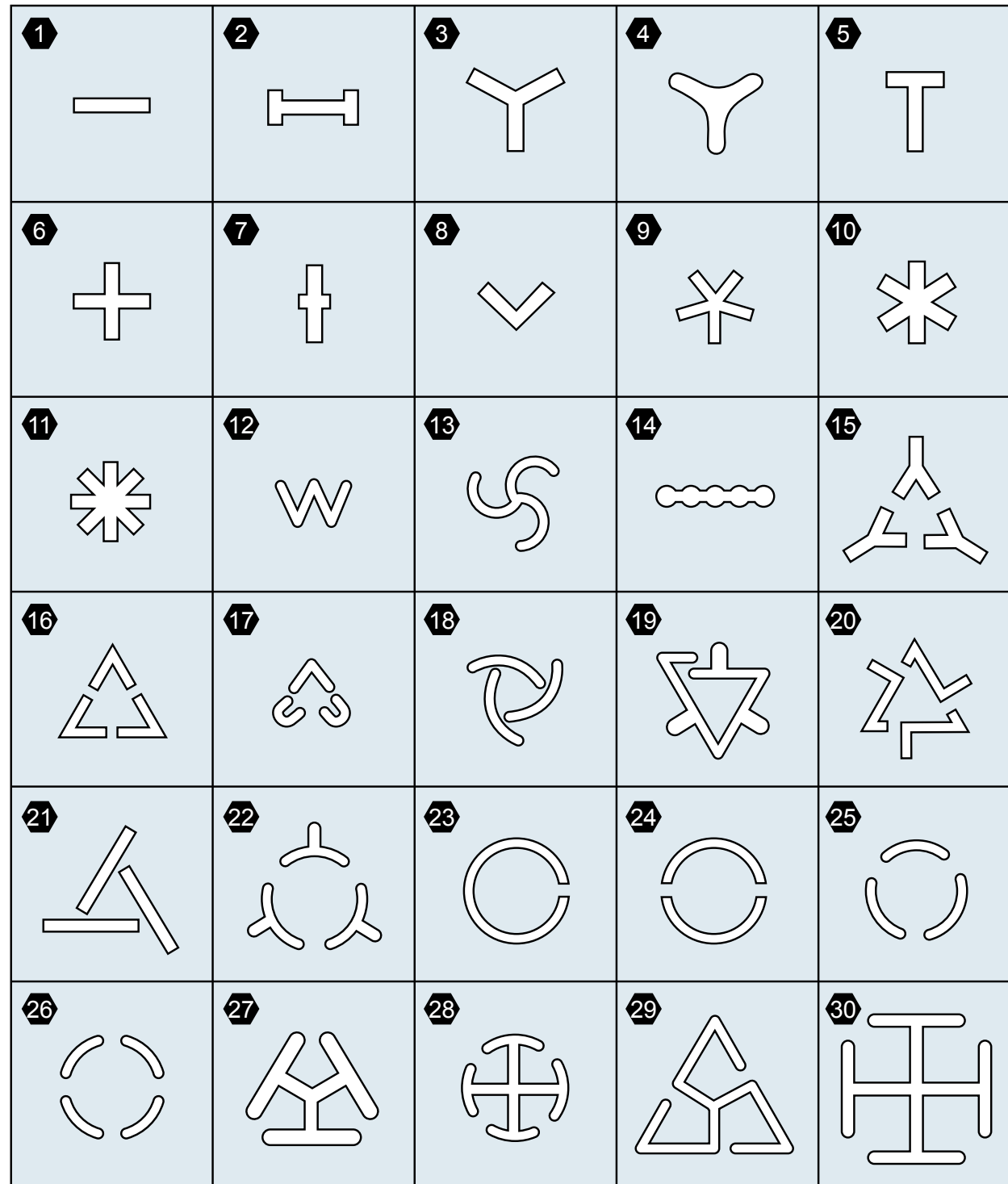
Spunbond Spinneret



Spunbond is an integrated method of creating nonwoven fabrics in which a molten thermoplastic polymer is extruded to form filaments. The cured filaments are then piled up onto a conveyer-type collector to make the webs, which are subsequently entangled and bonded each other to form the nonwoven fabrics. The spunbond spinneret is used to extrude the molten thermoplastic polymer in a desired diameter and shape in this process.

List of Irregular Capillary

The followings are the examples of typical specific capillary shapes. Various types of capillary shape produce various characteristics of yarn. It is possible to produce various kinds of specialty yarn by combining polymer kind and spinning condition. Besides these, we can design and produce other shapes. For more details, please contact us.



Technical Specification

Surface Roughness of Spinnerets

Surface Roughness of Spinnerets(ISO)		Surface Roughness of Exit Side(ISO)	
Counter sink	N5 - N7	Mirror Finish by Polishing	N1
Counter bore	N3 - N6	Mat Finish by Lapping	N2 - N4
Transition Angle	N2 - N6		
Capillary	N1 - N3		

Round Hole Spinnerets

Dia Of Capillary	Length of Capillary	Tolerance of Dia		Tolerance of length	
		Special(±)	Precision(±)	Special(±)	Precision(±)
D	L/D (≤)				
Φ0.04 - Φ0.10	1.00	0.001	0.002	0.001	0.002
Φ0.11 - Φ0.20	3.00	0.001	0.002	0.001	0.002
Φ0.21 - Φ0.50	5.00	0.001	0.002	0.001	0.002
Φ0.51 - Φ1.00	8.00	0.001	0.004	0.002	0.004

Profiled Hole Spinnerets

Width of slit	Length Of Capillary	Tolerance Of W		Tolerance l.r.d.g.q		Tolerance Of L	
		Special(±)	Precision(±)	Special(±)	Precision(±)	Special(±)	Precision(±)
W	L/D (≤)						
0.04 - 0.06	2.0	0.002	0.003	0.015	0.025	0.02	0.03
0.06 - 0.10	10.0	0.002	0.003	0.015	0.025	0.02	0.03
0.10 - 0.20	20.0	0.002	0.003	0.015	0.025	0.02	0.03
≥0.20	30.0	0.002	0.003	0.015	0.025	0.02	0.03

Oil pump & Spinning pump

Oil pump

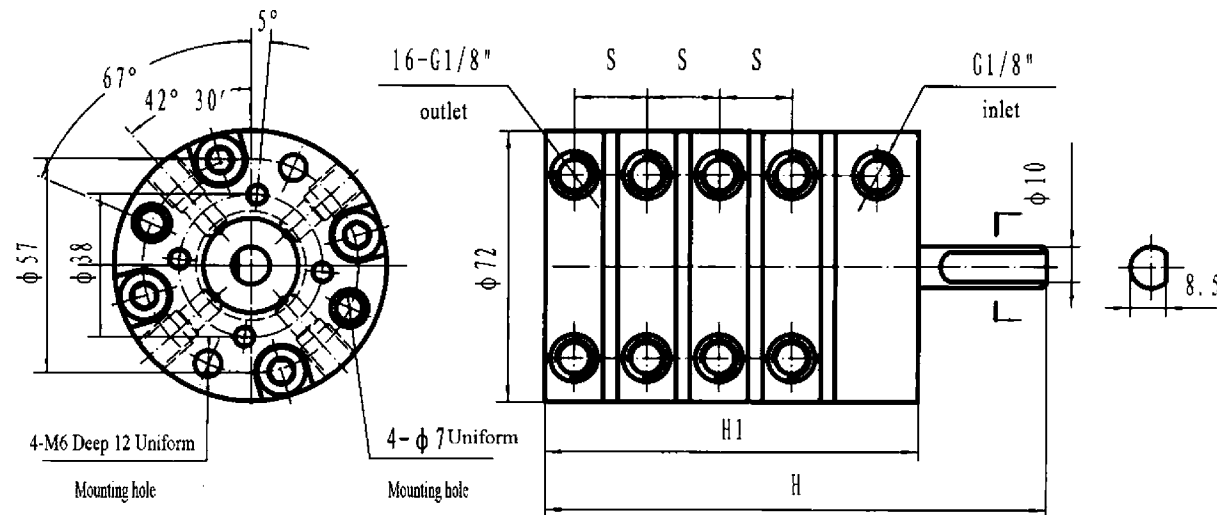
Spinning pumps are high precision gear metering pump in round or rectangular shape for the production of synthetic fiber filament, staple fiber, carpet yarn, tire cord made from PET, PA6/66, PP, etc.

High precision gear metering oil pumps for the application of oil, lubricants and preserving agents in spraying system, optionally available with pipe-fittings, gear-motor unit and inverter.

Here just only 2 types are listed. For more information, please contact us

16 Outlet Oil Pump

- Number of inlet ports: 1
- Number of outlet ports: 16
- Speed range: 10-60rpm
- Operation temperature: < 50°C

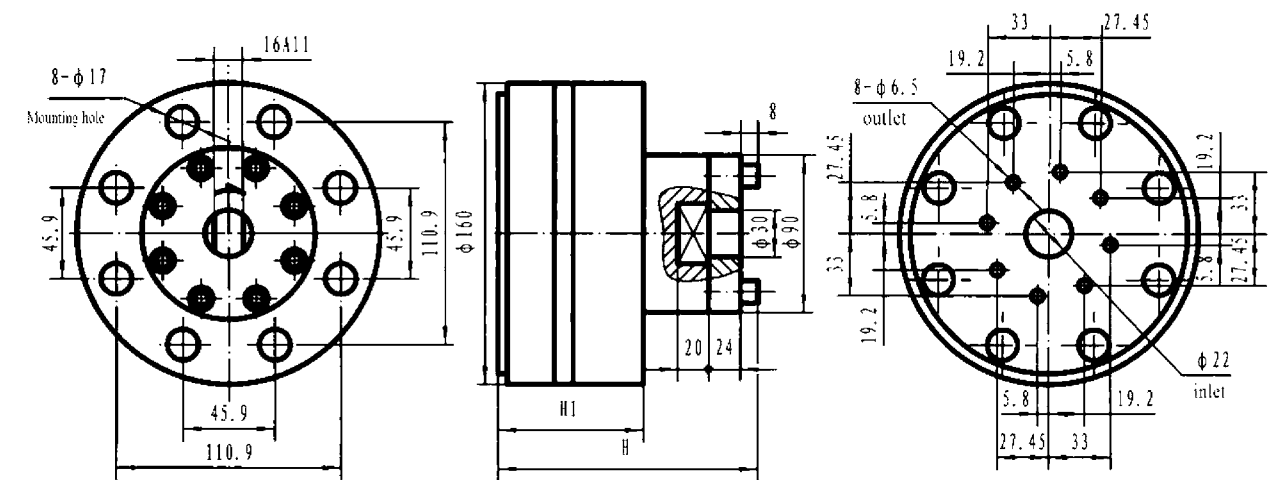


COMPUTER NUMBER	TYPE	CAPACITY PER PORT (cc/rev)	DIMENSION(mm)		
			S	H1	H
FY00081601	FYB16X0.08	0.08	15.4	84.6	112
FY00101601	FYB16X0.10	0.10	15.6	85.4	113
FY00121601	FYB16X0.12	0.12	15.9	86.7	114
FY00151601	FYB16X0.15	0.15	16.4	88.6	116
FY00201601	FYB16X0.20	0.20	17.2	91.8	119
FY00301601	FYB16X0.30	0.30	18.8	98.2	126

Spinning pump

8 Outlet Spinning Pump

- Main application: spinning process of the filament of POY and FDY
- Number of inlet ports: 1
- Number of outlet ports: 8
- Outlet pressure: 50MPa
- Speed range: 10-40rpm
- Max differential pressure: 40MPa
- Operation temperature: < 350°C
- Cleaning temperature: < 450°C



COMPUTER NUMBER	TYPE	CAPACITY PER PORT (cc/rev)	DIMENSION(mm)	
			H1	H
F3024801	FTB8X2.4-160	2.4	88.3	163.3
F3030801	FTB8X3.0-160	3.0	90	165
F3035801	FTB8X3.5-160	3.5	91.6	166.6
F3036801	FTB8X3.6-160	3.6	92	167
F3040801	FTB8X4.0-160	4.0	93.2	168.2
F3045801	FTB8X4.5-160	4.5	94.8	169.8
F3055801	FTB8X5.5-160	5.5	98.2	173.2

Rotor disc



F-1011



F-1012



F-1013



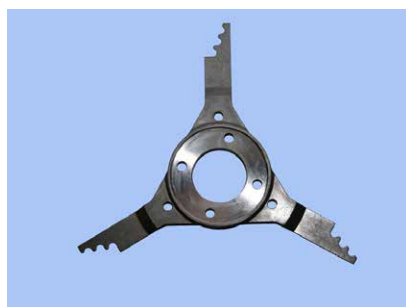
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F-1015



F-1016



F-1017



F-1018



F-1021



F-1022



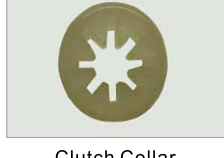
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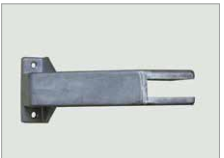
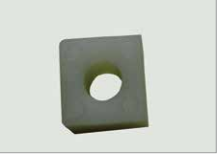


F-1024

Parts for Texturing
Machines

Barmag

				
FK6-700 Friction Unit	FK6-900 Friction Unit	FK6-1000 Friction Unit	Double Friction Unit	Spindle Cap
				
End cap C210285	End cap C210269	Stroke Modification A-530-7508 A-643-0591	Stroke Modification A-643-0588	Brone Bushing
				
Handle (right and left) A-D18-2173 A-D18-2160	Metal Swivel Arm	Metal Swivel Arm 4966199 7791707	Metal Swivel Arm 4966216 7791693	Metal Swivel Arm 4981670
				
Plastic Swivel Arm	Traverse Guide 3434092	Traverse Coupling Insert 2974752	Thread Guide with Ceramic Guide 3381766	Spring Cap 3108708
				
Gate Assembly 3381636	Sliding block 3381665	Horizontal Arm 6533037	Horizontal Arm 4720038	Horizontal arm
				
Horizontal arm	Guide Holder 3108724	Guide Holder 3108711	Cam 2646190	Cam follower 3381652
				
Clutch Collar 3359974	Yarn guide A-646-2208	Yarn guide FK6-002	Yarn Guide A-646-2224	Ball Button 3368090

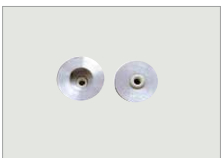
				
Brake Handle 3368348	Bobbin frame assembly	Guide rail support A-D32-2708	Support (right and left) A-267-9131 A-267-9115	Support house A-288-8774
				
Heater cap A-D23-2618	Sliding block A-267-9072	Sliding block A-472-0692	A-372-7227	Yarn guide cover A-552-1429
				
Yarn guide cover A-657-2592	Oiling shaft house A-D18-0225	C-200-1865	Guide block A-251-7721	Guide
				
Plastic lock plate A-594-4357	Yarn guide support assembly	Yarn guide support	Yarn guide wheel support A-642-6749	Cam box assembly
				
4747034	Coupling 0340085	Coupling D18-D20 3844662	Coupling D22-D30 3844675	Coupling
				
Coupling 3844806 4251009	Coupling 3844659 4250980	Coupling 3844819 4250993	Coupling 2711321	Coupling D03-2276
				
Coupling	Roller 1895212	Roller 4635964	Roller A-D09-2474	Suction Nozzle A-587-8472

Barmag

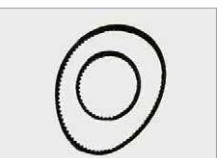
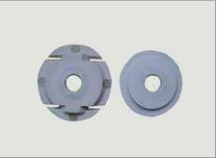
Rail A-744-5613	Injector A-C93-7279	Timing Pulley	Processing Gears FK6-600/700	Tension Roller Base 2518127
Chain Pulley 2522764	Chain Pulley 2522995	Chain Pulley 4936620	Worm Gear FK6-700-2311	Worm Gear FK6-700-2407
Worm Gear FK6-700-2513	Tension Roller 2522823	Tension Shaft 3061185	Transmission shaft 2617317	Transmission Shaft 2630139
Transmission Shaft 2630937	Transmission Shaft 2674173	Transmission Shaft 2674199	Driving Shaft 4936646	Apron Roller Rack 2631522
Lever Assembly 2670742 5793774	Holder Assembly 2720593	Base 2760845 D3220144	Support 2847462	Tension roller base 2518127
Belt Pulley 2857913	Belt Pulley 2857896	coupling 2953628	3647789	Oiling Roller 4380511
Belt Pulley 5800046	Worm Rod FK6-700-2401	Worm Rod FK6-700-2408	Worm Rod FK6-700-2508	Driving Bar 5174981 31402 5174994

Connection Shaft 2844688 4251038	Connection Shaft 2844688 4251038	Connecting Shaft 3844691 4251012	Connecting Shaft 3844705 4251025	Screw Liner 5175000 5131415
Traverse Assembly 4826176	Bearing Holder 3566151	Sleeve Tube 3138206	Apron Guide Rack	Handle Assembly 3728450
handle Assembly 3728476	Flange 3844763	Flange 3844750	Flange 3844734	Apron Roller Assembly 4950457
Apron Roller Rack 4021563	Bearing Holder 3803393	Bearing Holder 4029035	Bearing holder 4023088	Bearing Holder 4908487
Spindle 5409563	Spindle 5543887	Spindle 5543890	Spindle 5757358	Spindle C634261
Spindle C634274	Tension Roller 5543920	Guide Pulley 1057843	Roller D316402	Tension Roller HT-825-2100
Apron Roller	Nip Roller	Barmag Pnumatic threading device	Bearing 2603145	Bearing Support A-490-8487

Barmag

				
FK6-121	Barmag FK6-158	Barmag FK6-159	Barmag FK6-167	Thread guide roller
				
Apron roller ass'y 4950457	Piston	Yam guide C633865	Roller D316402	Radial fan
				
Friction unit bearing base	5384467	5543904	AFK end cap	FK6-005

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Positorq 5 Friction Unit	Positorq 2 Friction Unit	Timing pulley 17T/2.85M 58300322	Friction Unit	Timing belt
				
Yarn guide	Yarn guide (round) 466 00256	Yarn guide (Square) 466 00256	Yarn Guide 208 00123	Cam follower 466 00366
				
Cam lever 208 00008 208 00007	Friction unit handle 48200716	Handle	Handle 37005814	Handle 60001573
				
Cam lever 580 00241	Cam lever 583 05814	Cam lever 600 04140	Handle 208 00213	End cap 592 00379 592 00375
				
37000405	Bottom Slide Ass'y 46600332	Top Slide Ass'y 46600334	Catcher Arm(Left)	Catcher Arm(Right)
				
Oil Pump 47403115	Oil Pump BIN 01864	Sine Bar Ass'y 46600140	Roller 584 00031	Roller 370 09058
				
Gear 438 01843	Gear	Timing Pulley& Processing Gear	coupling D12 60005422	Coupling D20 46600126

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coupling D20 46600127	coupling D30 47402240	coupling D30 47402254	Driven Spindle	Driving Spindle
Guide Pulley 25750004	Pressure Roller 25750006 58400494	Guide Pulley 60004210	Tension Roller 25750005	Nip Roller
370-00657	bearing support 370-08868	Pivot plate 438-02236(438-02387)	438-02238	follower arm 466-00136
Pivot 466-00144	Pivot Adjuster 466-00145	466-00196	Taper Setting Plate 466-00252	Protection Plate 466-00315
Protection plate 466-00316	474-01469	474-01478	474-02357	474-02535
474-02811	474-02539	Spring 474-03743	Spring 482-00218	474-04549
482-00232	482-00404	482-00909	Adjusting Bolt 559-00153	580-00235 580-00236

580-00237 580-00238	Bearing Holde 584-00057	Bearing Holder 584-00064	590-03186	590-03187
Nip Roller Casting 590-03191	591-01935	Spring 591-00326	592-00015	592-000447
Feed Back Profile Plate 592 00446	592-00269	592-00326	592-00328	600-03764 600-04752
600-04527	600-04769	600-05115	Roller Arm 700-00252 700-00322	700-00941
700-02004	700-02005	750-00015	CS-02392	braking block 49101983
Cap	Anti Twist Block 482 00290	Cover	feed back arm link 208 00011	feedback link block
internal oil ring 208 00038	wahser 20800036	Nip roller shaft	nip roller shaft-01	Pin

Rieter Scragg

Pipe connection 20800080	20800127	20800164	Sledge Support 20800178	Sledge support 20802687
Disturbing cam 591 02427	SDS 46600374	SDS cam plate 605 00211	Bearing BIN 16293 SDS	Disturber block 208 00012
Flexible bearing mounting 208 00211	474 01850	591 02200	Cradle arm right hand 592 00269	605 00104
Jockey Pulley 2574004	Stud&spring assembly 48200230	Cam and cam plate 605 00212 (211)	Nip roller 405 00167	208 00036
600 00497	605 00038	605 00212	2575 005	

ICBT

Motorized Friction Unit	Friciton Unit	Coupling D15-D17 FT001353A	Coupling D15-D25 FT011526	coupling D19-D20 FT001059G
Coupling D19-D20 FT410019501	Coupling D20	Coupling D20 FT005051C	Coupling D20-D20 FT4100101A	coupling D20-D24 FT001169F
Coupling D20-D24 FT41004700	Coupling D20-D24 FT4100046900	Coupling D20-D24 FT4100049700	coupling D20-D28 FT101701	Coupling D20-D28 FT4100025
Coupling D19 FT00105908	Coupling FT410002501	Elastic ring FT004024D	Support VFT4600003C	Plastic Handle FT4500162
Seal FT205050A	Telephone Assembly	Plastic Connector FT108177A	Guide Rod Connector FT004054A	Guide Rod Connector FT004053A
Friction Unit Coupling VFT 4600028	Edge Break Slope 10285041	Cooling Zone Support FT4700367	Block Stop VFT9994950	Bearing Reception FT4500031
Yarn Guide	Yarn Guide	Yarn Guide	Yarn Guide FT005017C	Base Plate FT005003D

ICBT

Cam follower FT005040A	Base plate FT50281	FT001	End cap FT002	End cap FT003
End cap FT4500078	Metal End Cap	Autodoffing End Cap	End cap FTF006	FT004
FT005328B	Cylinder Seal	FT005	Suction Cover VFT480030802	Suction cover FT4800005F
FT009223	FT103035B	FT4500139A	FT4500139B	FTF-095
FTF-097	FTF-098	FTF-103	FTF-104	Threading Device
021433017	Nip roller	Spring FT001081B	Gear FT001286A	Spring pad FT001353A
Spring pad FT0011526	FT004019A	FT004088B	FT005136C	FT006065A

FT006079C	Spring FT009044A(Left)	Spring FT009045A(Right)	FT014148A	FT015752A
FT104006E	FT104006E	FT104009A	Spring FT107117B	FT4400016AFT4400016B
Driving Spindle	Driven Spindle	Guide Pulley FT106006B	Guide Pulley FT106057C	Guide Pulley FT106070A
Nip Roller	Threading guide assembly FT005066A	FT009047B FT009201A	ICBT twist stopper	Twist stopper cover
Threading Arm	10130980	FT4500139B	take up lever FT105287	Suction Pipe Cover
lap formation rocker bar	PT100	Selecting rocker bar	Bearing FT005101B	pressure axle roller FT4400016B
FT450042101	heater door handle FT005025	FT4600025A	Bracket VFT014046B	fibre washer VFT009006A

ICBT

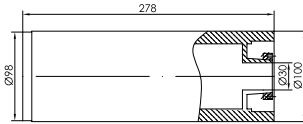
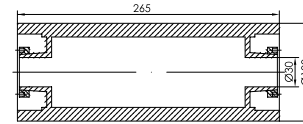
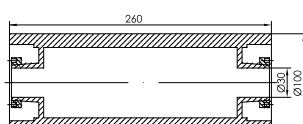
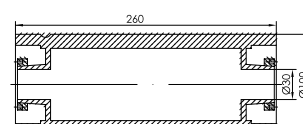
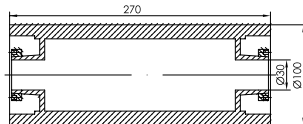
Spring VFT4400015	axle VFT4500269A	FT009224	FT009225A	FT4500891
ICBT8E3 SMALL ROD	ICBT10 SMALL ROD	Brake shoe FT005162A	CUP FT006100B	FT005066B
VFT001753B				

RPR & Giudici

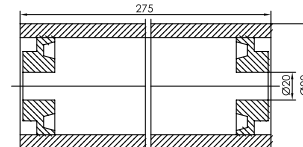
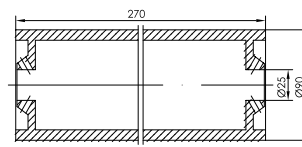
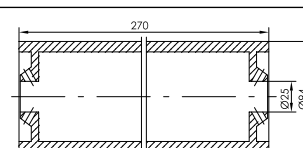
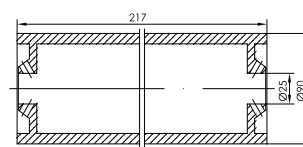
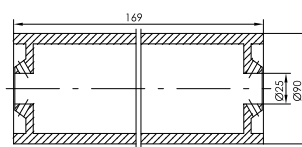
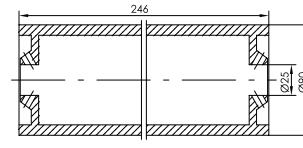
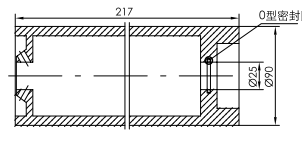
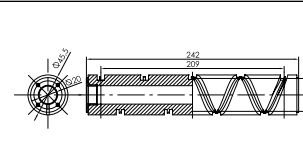
yarn guide 181-E-3SDX	sliding block 179-E-3SDX	cam follower 87-E-3SDX	RPR-001	RPR-002
RPR-003	RPR-004	RPR-005	RPR-006	RPR-007
RPR-008	RPR-009	RPR-010	RPR-011	RPR-012
RPR-013	RPR-014	RPR-015 Roller	Timing Pulley & Processing Gear	coupling D18-D25 194144
Coupling D18-D28 194143	Coupling D25-D28 194142	Spindle 2452-N1	Spindle 2452-N2	Apron Roller 194400
Apron Roller 194401	Guide Pulley 009023	Guide Pulley 009036	Nip Roller	189-E-3SDX
Yarn guide X049E0S	TG20 Yarn guide	X049E0S		

Take-up Roller & Cam

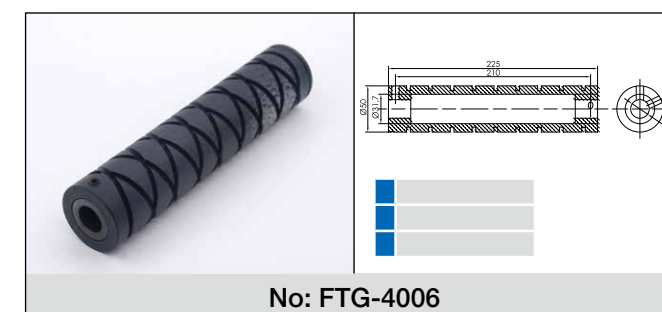
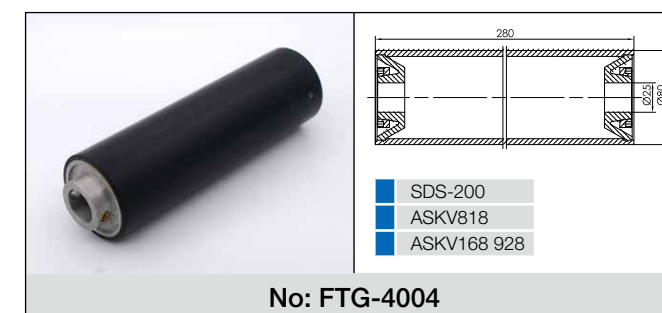
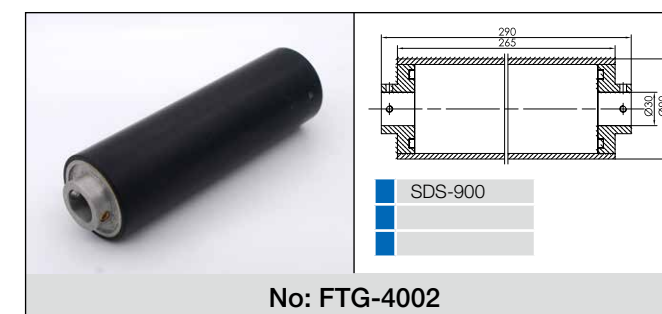
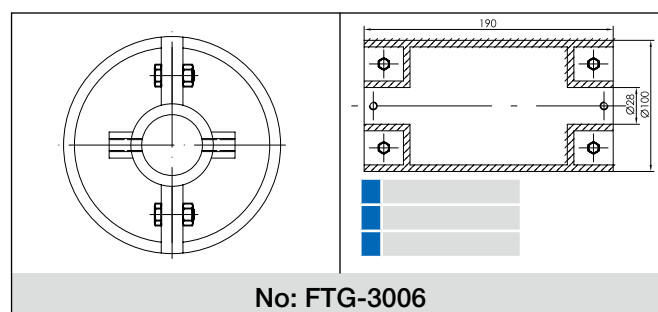
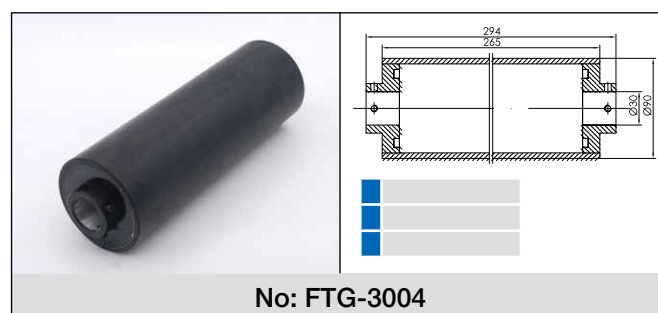
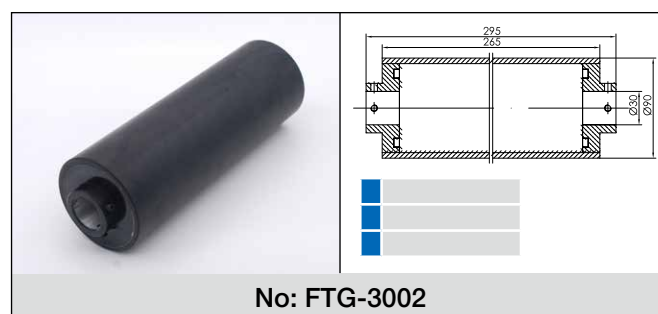
Barmag

	 A3399066 FK6-700 FK6-1000	No: FTG-1001
	 3861828 FK6-900 FK6-1000	No: FTG-1002
	 D1-1901 AFK	No: FTG-1003
	 AFK-1-14	No: FTG-1004
	 FK6-701	No: FTG-1005

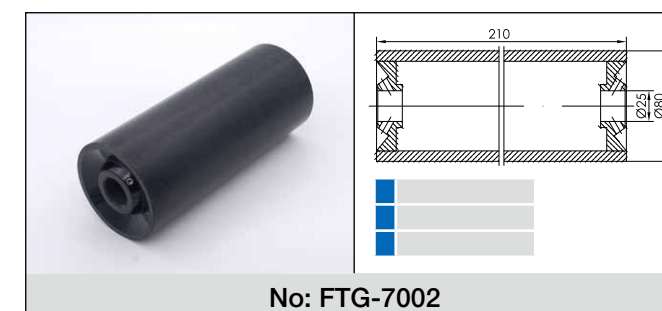
Rieter ICBT

	 005008 12E3	No: FTG-2001
	 93402801	No: FTG-2002
	 93402902	No: FTG-2003
	 10130372	No: FTG-2004
	 137000A	No: FTG-2005
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	 56677300	No: FTG-2007
	 56658100A	No: FTG-2008
		No: FTG-2009

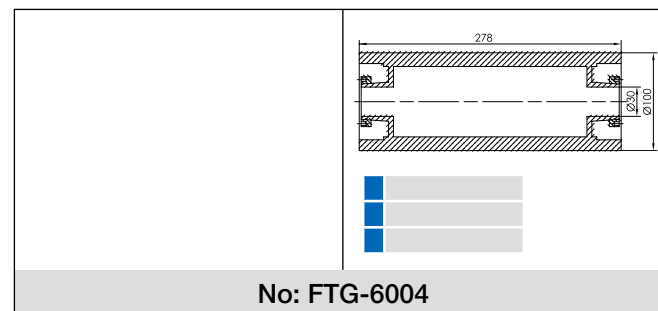
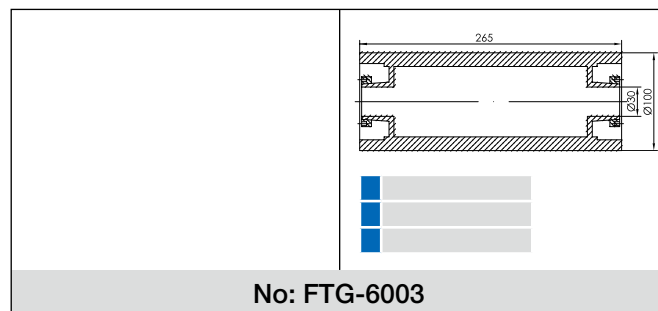
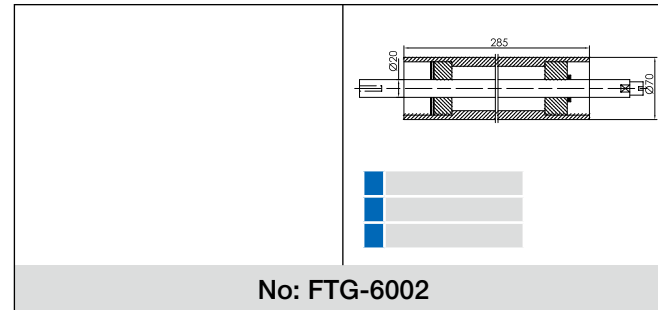
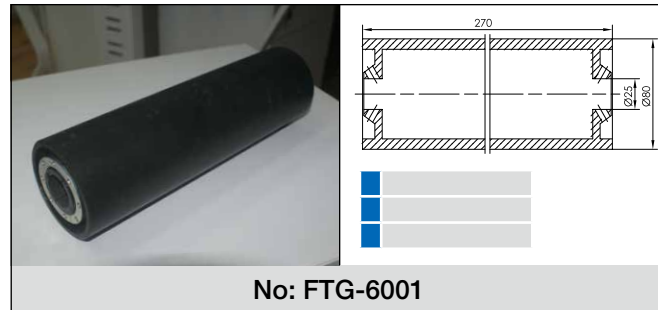
Rieter Scragg



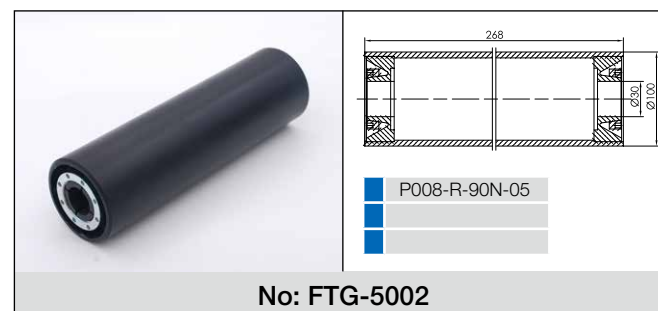
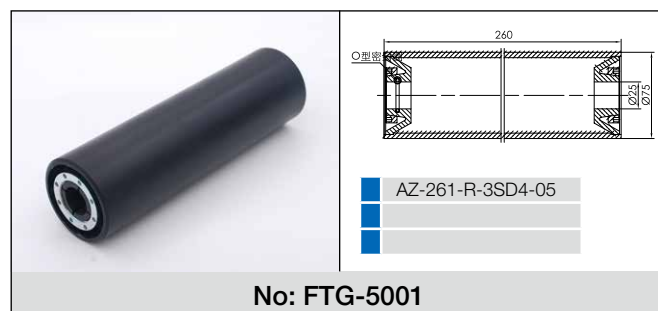
Aiki



Taiwan



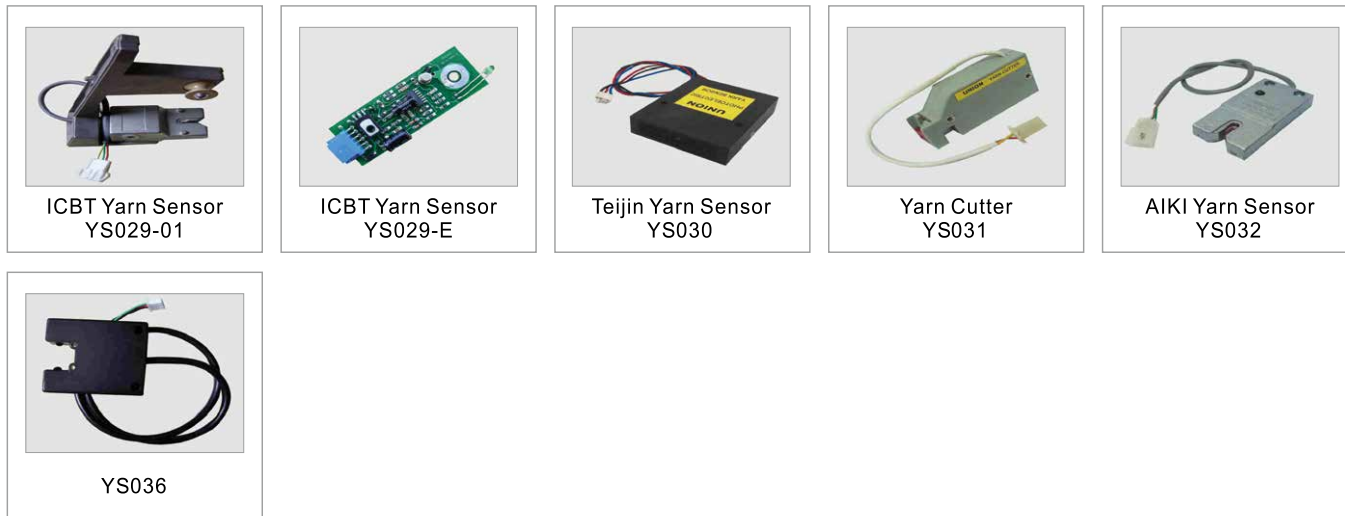
RPR



Yarn sensor & Cutter

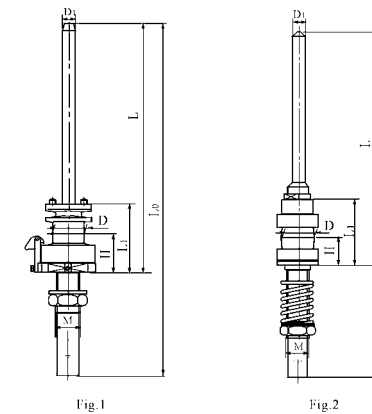


Yarn sensor & Cutter



Spindles and Bearings for Synthetic Fiber Machine

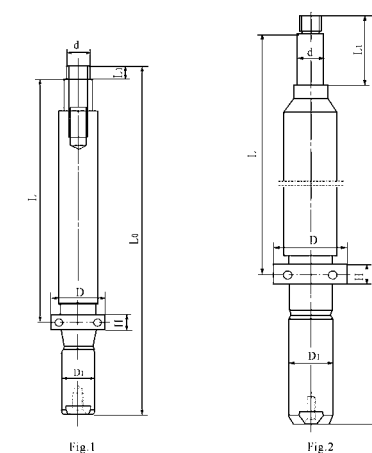
Synthetic fiber spindles



- The flexible centering sleeve with spiral slot, provide the ideal connection between the fixed neck bearing and the footstep bearing.
- The special designed lower insert can efficiently reduce the heat in running and give the spindles longer life.
- Chromium -plate spindle blade on the upper part, resulting in smooth surface, anti -rust and easy waste -removing.
- High carrying capacity, Small amplitude, Lower noise.
- Different types can be provided according to the demands of users.

TYPE	H	h	L	L ₀	D	D ₁	M	Bearing type	MACHINE	REMARKS
D3621	66	116	419	620	Φ50	Φ19	M36 × 1.5	DZ6	FA726	Fig.1
D3622					Φ70				FA727	
D3603	50	122	401	586	Φ50	Φ19	M35 × 1.5	DZ6	VC443A	Fig.2
D3603A		100	372	564					VC443	
HZD04	44	108	386	573.6					M402	

FJ series winding bearings



- The running axle replaces as the inner ring, which makes the bearing more compact.
- Advanced heat treating technology ensures the axle high surface's hardness and strength, good resistance to abrasion.
- Filled with high speed grease and fitted with complete sealed construction.
- The maximum speed is 20000rpm.

TYPE	D	D ₁	d	H	h	L	L ₀	MACHINE	Part NO.	REMARKS
FJ3510	Φ35	Φ22.8	Φ15	10	8.7	161	231	Barmag SW4R	4282192	Fig.1
FJ3510S					9.8	153.2	224.7			
FJ4714	Φ47	Φ28.5	Φ17	14	49	329.8	448	Barmag SW4S	5306506W	Fig.2
FJ6216	Φ62	Φ40	Φ20	16	47		563			
FJ4714A	Φ47	Φ28.5	Φ17	14		304.8	436		5524656	
FJ4714B					11	294	409		5306506N	Fig.1

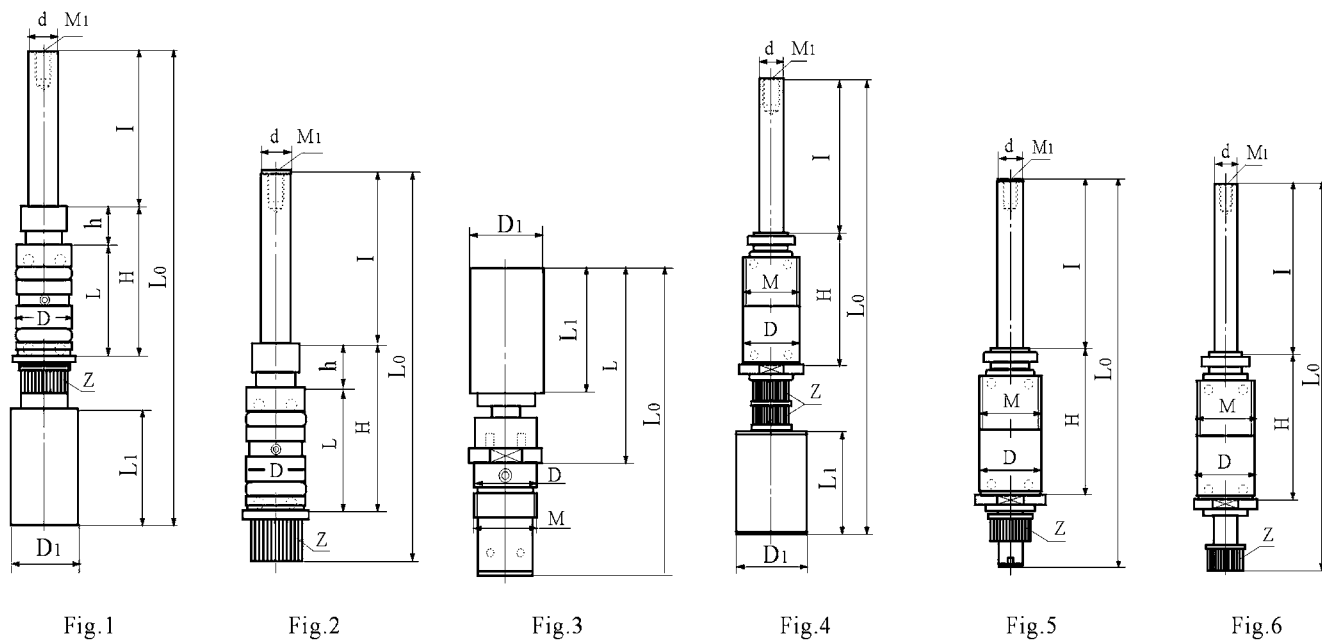
Texturizing Machine Spindle

FT series false twist bearings & assemblies

- Designed with a two row deep groove ball, the bearings have advantages of high carrying capacity and steady running.
- The multi labyrinth rings or the L type ferrule complete sealing construction guarantees the bearing a good sealing function.
- The parts for the assemblies are strictly selected. The

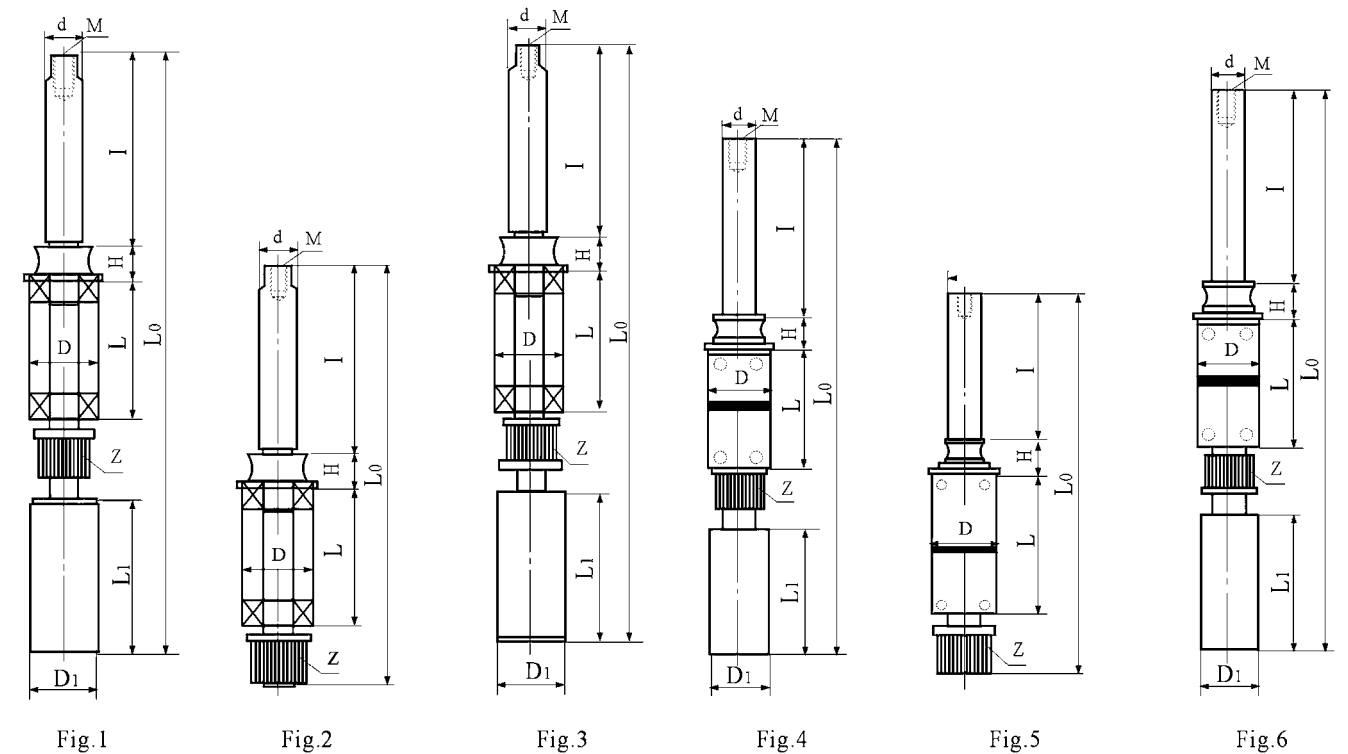
- revolving parts are precisely dynamical balanced. The maximum speed is 20000rpm.
- The key parts for high - speed false twist textured yarns or false twist texturing machine.
- Different synchronizing belt pulley can be provided according to the different demands of users.

False twist bearings & assemblies



TYPE	D	d	D1	M	Z	H	h	I	L	h	L ₀	MACHINE	PART NO.	REMARK
FT1	23	12	28	M5	20	59	15.2	61.5	43.8	45	187	FK6-600,700	5757358	Fig. 1
FT2347-N1A												FK6-900,1200		
FT2												FK6-600,700,900	5409563	Fig. 2
FT2347-N2A												FK6-1200		
FT3	21	8.1	25	M21x1					67.1	43	105.5	FK6-600,700	5543920	Fig. 3
FT2865-N1	28	10.7	35	M5 M28x1.5	21 (24)	67.5		78.5			52	TFT-1070		Fig. 4
FT2865-N2											232			Fig. 5
FT2865-N2A											180			Fig. 6
FT2347B-N1	23	12	28	M5	20		15.2	90.5	43.8	45	216			Fig. 1
FT2347B-N2											169			Fig. 2
FT2347C-N1			28								187			Fig. 1
FT2347C-N2											137			Fig. 2

False twist bearings & assemblies



TYPE	D	d	D1	M	Z	H	I	L	L ₁	L ₀	MACHINE	PART NO.	REMARK
FT2245-N1	22	12	21	M5	21 (18) (17)	10.5	59.5	44	48	187	Rieter-Scragg DCS-1200	FT2244	Fig. 1
FT 2245-N2										131			Fig. 2
FT 2245-N1A			21					42.5	48	187			Fig. 3
FT 2244-N1										187			Fig. 4
FT 2244-N2					25	11.5	45.5	48		132.5	SDS-700		Fig. 5
FT 2244-N1A			21							187			Fig. 6
FT 2247-N1								48		187			Fig. 4
FT 2247-N2										132.5			Fig. 5
FT 2247-N1A			21					48	187				Fig. 6

Texturizing Machine Spindle

False twist bearings & assemblies

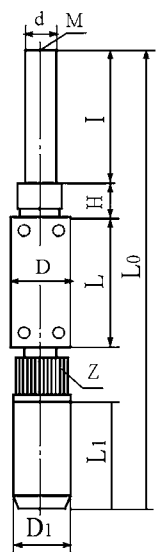


Fig.1

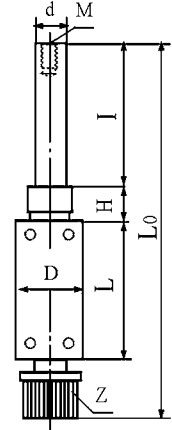


Fig.2

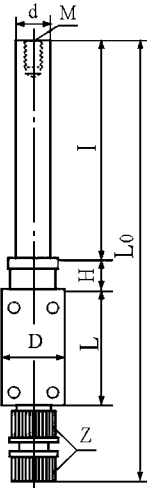


Fig.3

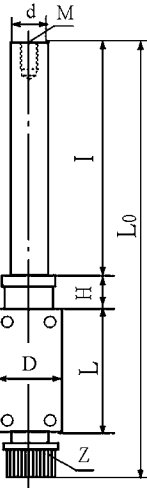


Fig.4

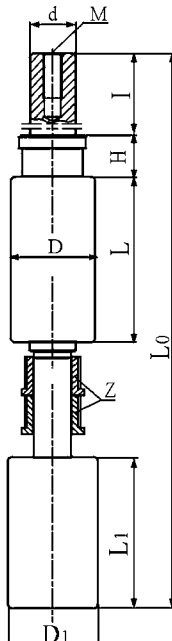


Fig.5

TYPE	D	D	D1	M	Z	H	I	L	L ₁	L ₀	MACHINE	PART NO.	REMARK	
FT2452-N1	24	12	22.05	M5	31	13	74.25	52	47	209	FTF800	FT106089A	Fig.1	
FT 2452-N2									159.65	FTF8E3	FT106091A	F 5g.2		
FT 2452-N1A			28		47	208.5	IVF901			Fig.1				
FT 2452-N2A						154				Fig.2				
FT 2452-N1B			22		31	13.5	54		42	182.7	FTF12E3		Fig.1	
FT 2452-N2B										1 41.5			Fig.2	
FT 2652-N1	26	14.45			19		97.5			1 95.8		FT016186A (VFT016184)	Fig.3	
FT 2652-N2										180		FT01 61 87A (VFT016185)	Fig.4	
FT 2452N-N1	24	12	38	M6	20	13	68		52	205			Fig.1	
FT 2452N-N2										154		Fig.2		
FT 2652B-N1		14.45	28						97.5	47	246			Fig.5
FT 2652B-N2												178.8		Fig.4
FT 2652B-N2A					191									
FT 2452D-N1		12	38	M5	20		87	45	223.5			Fig.1		
FT 2452D-N2								173		Fig.2				
FT 2452E-N1			25		26	13.5	67.5	47	208.5			Fig.1		
FT 2452E-N2									154		Fig.2			
FT 2452G-N1			22	M5	31		73.95	42	203.5			Fig.1		
FT 2452G-N2									162		Fig.2			
FT 2452M-N1			28	M6	28	13	55	47	203.5			Fig.5		
FT 2452M-N2									136		Fig.2			
FT 2452M-N2A								148						

False twist bearings & assemblies

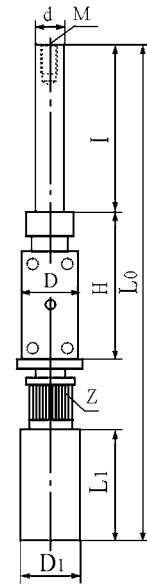


Fig.1

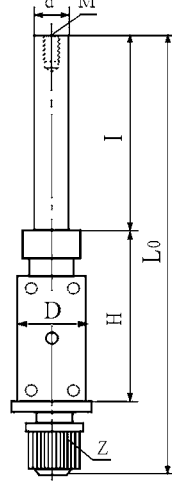


Fig.2

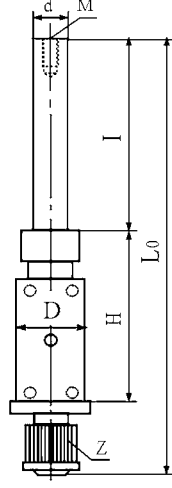


Fig.3

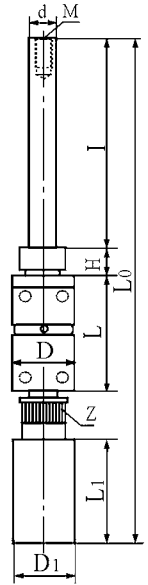


Fig.4

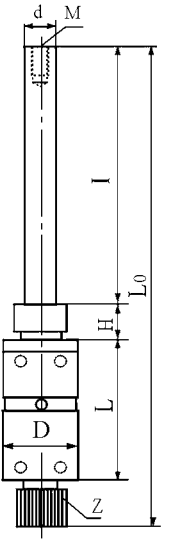


Fig.5

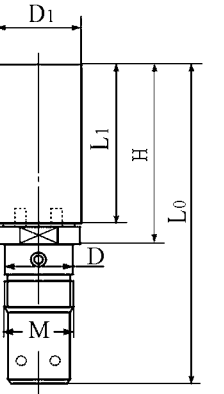
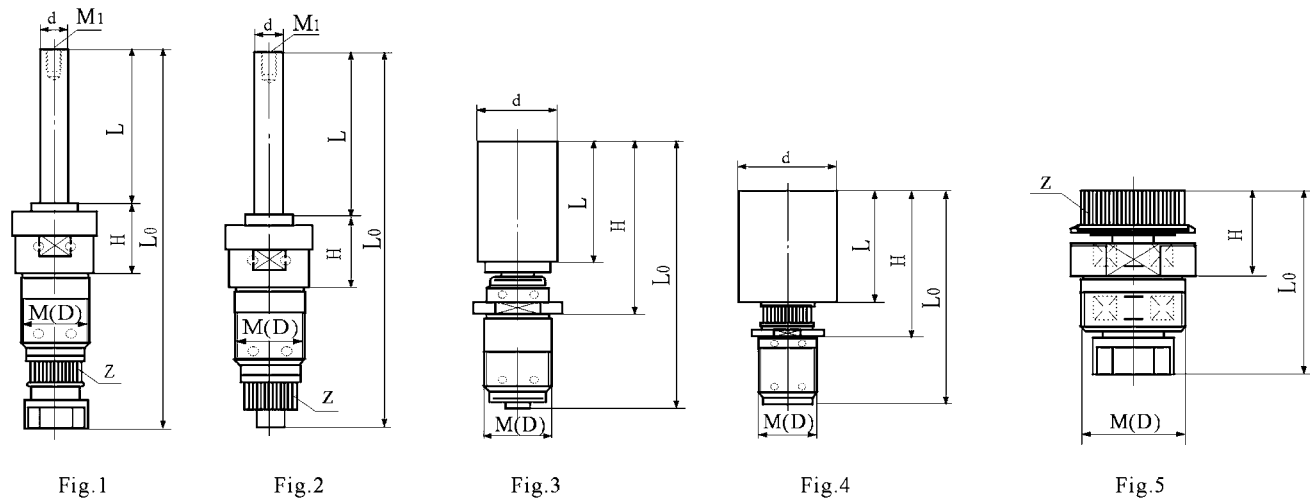


Fig.6

TYPE	D	d	D1	M	Z	H	I	L	L1	L0	MACHINE	PART NO.	REMARK
FT2447-N1	24	12	25	M5	26	59	67.5		48.5	200	TG20,TG30	0033442	Fig.1
FT2447-N2										146		0029812	Fig.2
FT2447-N2A												0029813	Fig.3
FT2850-N1	28		28		20	12.5		49.5	45	218.5	FK6900		Fig.4
FT2850-N2										169			Fig.5
FT2554-N3	21		25	M21x1		50.7	90.5		44.5	89.5			Fig.6
FT2850B-N1	28	12	28	M5	20	12.5		49.5	45	218.5			Fig.4
FT2850B-N2										169			Fig.5

Texturizing Machine Spindle

False twist bearings & assemblies



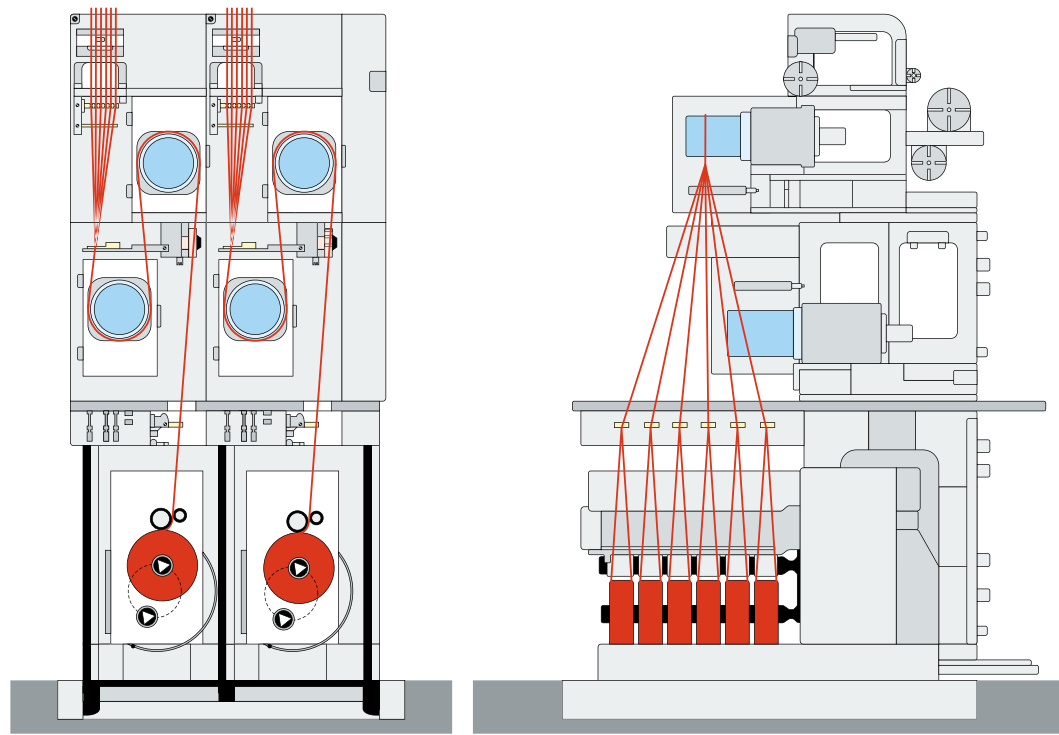
TYPE	M(D)	d	M ₁	Z	H	L	L ₀	MACHINE	REMARK
FT2144-N1	M21x1	8.1	M5	22	24	54	131	IVF701	Fig.1
FT2144-N2							124		Fig.2
FT2844-N3	M24x1	25.1			61.5	43	94.5		Fig.3
FT2934-N4							95		Fig.4
FT3023-N5	M25x1			38	22.5		48.5		Fig.5

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Xuhui District, Shanghai, China, Zip: 200235

Tel.: 0086-021-54263195 Fax: 0086-021-54263108

E-mail: futai@shfutai.com

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