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中华人民共和国国家标准

GB/T 15192—94

纺织机械用图形符号

Graphical symbols for textile machinery

1994-09-08 发布

1995-03-01 实施

国家技术监督局 发布

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本标准参照采用国际标准 ISO 5232—88《纺织机械图形符号》。

1 主题内容与适用范围

本标准规定了纺织机械用的图形符号。

本标准规定的图形符号适用于纺织机械、仪表上,用以表示状态、功能或操作指示等。亦适用于各种文件中(如图样、结构图、方案图、图表等)。

2 引用标准

GB 2893 安全色

GB 2894 安全标志

GB 5465.2 电气设备用图形符号

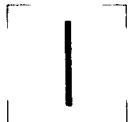
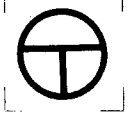



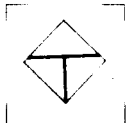
GB 7093.3 图形符号表示规则 设备用图形符号

3 图形符号

A类:基本符号(见表1)。

B类:专用符号(见表2)。

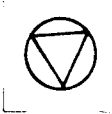
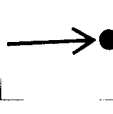
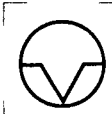
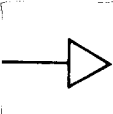

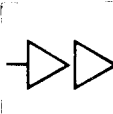


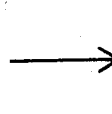

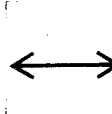

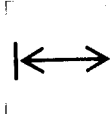
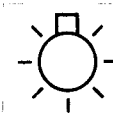
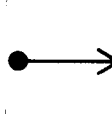

表1 A类:基本符号

编号	符号	含义	编号	符号	含义
A1	 GB 5465.2-1028 IEC 417-5007	通(电源) on(power)	A4	 GB 5465.2-1032 IEC 417-5011 [†]	通/断(按钮开关) on/off(push button)
A2	 GB 5465.2-1029 IEC 417-5008	断(电源) off(power)	A5	 GB 5465.2-1033 IEC 417-5104	起动、开始(动作) start(of action)
A3	 GB 5465.2-1031 IEC 417-5010	通/断(按-按) on/off(push-push)	A6	 GB 5465.2-1034 IEC 417-5105	点动 starting with permanent depression

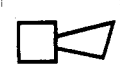


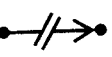

国家技术监督局1994-09-08批准

1995-03-01实施

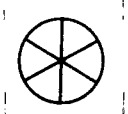


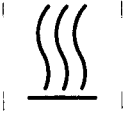
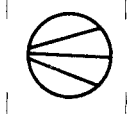







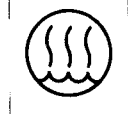

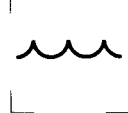
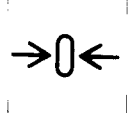
续表 1

编号	符号	含义	编号	符号	含义
A7	 GB 5465.2-1034	停机、停止(动作) stop(of action)	A15	 GB 5465.2-1056 IEC 417-5026	移向参考点的 效应或作用 effect or action toward a reference point
A8	 GB 5465.2-1035 IEC 417-5111	暂停、中断 pause interruption	A16	 GB 5465.2-1065 IEC 417-5107	正常速度运转 normal run
A9	 GB 5465.2-1036 IEC 417-5114	脚踏开关 foot switch	A17	 GB 5465.2-1066 IEC 417-5108	快速运转 fast run
A10	 GB 5465.2-1016 IEC 417-5036	危险电压 dangerous voltage	A18	 GB 5465.2-1004 IEC 417-5005	正极 positive polarity
A11	 GB 5465.2-1052 IEC 417-5022	单向直线运动 rectilinear motion in one direction	A19	 GB 5465.2-1005 IEC 417-5006	负极 negative polarity
A12	 GB 5465.2-1053 IEC 417-5023	双向直线运动 rectilinear motion in both direction	A20	 GB 5465.2-1046 IEC 417-5094	可变性 variability
A13	 GB 5465.2-1054 IEC 417-5024	双向局限运动 movement limited in both directions	A21	 GB 5465.2-1067 IEC 417-5112	灯、照明、照明设备 lamp; lighting; illumination
A14	 GB 5465.2-1055 IEC 417-5025	移离参考点的 效应或作用 effect or action away from a reference point	A22	 GB 5465.2-1071 IEC 417-5184	钟、定时开关、计时器 clock; time switch; timer


续表 1

编号	符号	含义	编号	符号	含义
A23	 GB 5465.2-2001 IEC 417-5014	喇叭(报警用) horn	A31	 ISO 7000-0554	消除电离、消除静电 de-ionization; static discharge
A24	 GB 5465.2 1070 IEC 417-5115	信号灯 signal lamp	A32	 ISO 7000-0555	电离、静电充电 ionization; static charging
A25	 GB 5465.2-1058 IEC 417-5028	移向参考点的 双向效应或作用 effect or action in both directions towards a reference point	A33	 ISO 7000-0185	电火花、线圈点火元 件 spark coil-ignition element
A26	 ISO 7000-0095	反馈控制 feedback control	A34	 ISO 7000-0518	计数 counting
A27	 ISO 7000-0517	钥匙开关 key switch	A35	 ISO 7000-0031	润滑 lubrication
A28	 ISO 7000-0161	检测障碍物 test barrier	A36	 ISO 7000-0028	注入 filling
A29	 ISO 7000-0228	故障 disturbance	A37	 ISO 7000-0029	排出、抽空 draining
A30	 ISO 7000-0434	警告 caution	A38	 ISO 7000-0030	溢出 overflow




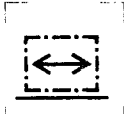
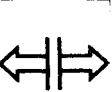
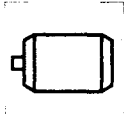
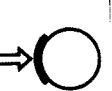
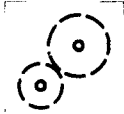
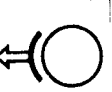
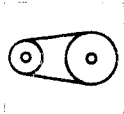
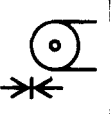
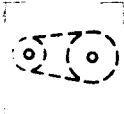

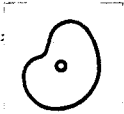
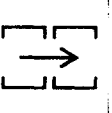
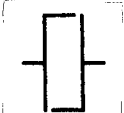
续表 1

编号	符号	含义	编号	符号	含义
A39	 ISO 7000-0522	机械能 mechanical energy	A47	 ISO 7000-0530	蒸气 steam
A40	 ISO 7000-0525	液能 hydraulic energy	A48	 ISO 7000-0535	散热 emission of heat in general
A41	 ISO 7000-0231	气能 pneumatic energy	A49	 ISO 7000-0606	热板 heating plate
A42	 ISO 7000-0232	电能 electric energy	A50	 ISO 7000-0230	辐射散热 emission of heat by radiation
A43	 ISO 7000-0523	热能 heat energy	A51	 ISO 7000-0505	湿度、含湿量 humidity; moisture content
A44	 ISO 7000-0524	水能 water energy	A52	 ISO 7000-0503	对称运行、对称 symmetrical course; symmetry
A45	 ISO 7000-0511	蒸气能 steam energy	A53	 ISO 7000-0514	中心位置 central position
A46	 ISO 7000-0536	水 water	A54	 ISO 7000-0540	零位 zero-point position


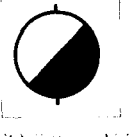

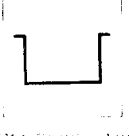
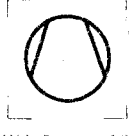
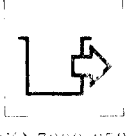
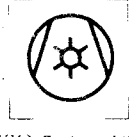
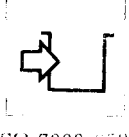
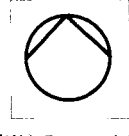
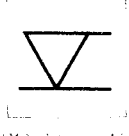


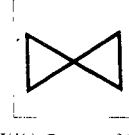

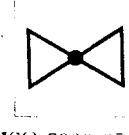
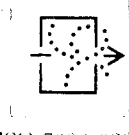
续表 1

编号	符号	含义	编号	符号	含义
A55	 ISO 7000-0160	标定 calibration	A63	 ISO 7000-0251	物料输入输出流向 flow arrow for entry and exit of material
A56	 ISO 7000-0096	手动控制 manual control	A64	 ISO 7000-0004	旋转方向 direction of rotation
A57	 ISO 7000-0426	一次自动循环 one automatic cycle	A65	 ISO 7000-0001	沿箭头方向 有限运动 movement in arrow direction, limited
A58	 ISO 7000-0026	连续自动循环 continuous automatic cycles	A66	 ISO 7000-0006	有限旋转 limited rotation
A59	 ISO 7000-0017	自动控制 automatic control	A67	 ISO 7000-0521	从某一起始点沿 箭头方向运动 movement in arrow direction from a point of origin
A60	 ISO 7000-0541	可变性, 具有一个 给定起点 variability with a given starting point	A68	 ISO 7000-0005	双向旋转 rotation in two directions
A61	 ISO 7000-0527	减速运转 reduced run	A69	 ISO 7000-0002	有限直线运动 limited rectilinear motion and return
A62	 ISO 7000-0528	超减速运转 much reduced run	A70	 ISO 7000-0007	有限旋转和返回 limited rotation and return


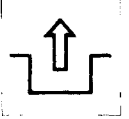

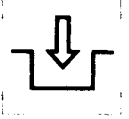
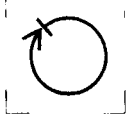
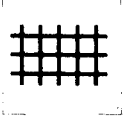



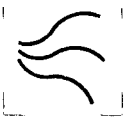

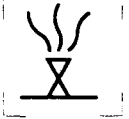
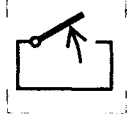
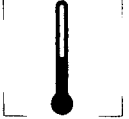
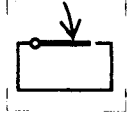

续表 1

编号	符号	含义	编号	符号	含义
A71	 ISO 7000-0539	运动程序的回复 reversal of a motion sequence	A79	 ISO 7000-0569	单机独立运行 machine in separate operation
A72	 ISO 7000-0018	锁紧、夹紧、紧固 lock; clamp; tighten	A80	 ISO 7000-0565	机器设备的双向运 动 movement of a ma- chine unit in two di- rections
A73	 ISO 7000-0019	脱开、松开 unlock; unclamp	A81	 ISO 7000-0011	电动机 electric motor
A74	 ISO 7000-0020	制动 brake on	A82	 ISO 7000-0012	齿轮驱动 gear drive
A75	 ISO 7000-0021	松开制动 brake off	A83	 ISO 7000-0013	带驱动 belt drive
A76	 ISO 7000-0173	张紧链条或皮带 tighten chain; tighten belt	A84	 ISO 7000-0014	链驱动 chain drive
A77	 ISO 7000-0174	放松链条或皮带 slacken chain; slack- en belt	A85	 ISO 7000-0016	凸轮 can
A78	 ISO 7000-0568	多机联合运行 machines in combi- ned operation	A86	 ISO 7000-0015	偶合器 coupling

续表 1

编号	符号	含义	编号	符号	含义
A87	 ISO 7000-0131	搅拌器 agitator	A95	 ISO 7000-0157	排水防气阀 drains trap
A88	 ISO 7000-0595	空气循环装置 air circulator	A96	 ISO 7000-0102	槽 reservoir
A89	 ISO 7000-0137	压缩机 compressor	A97	 ISO 7000-0582	作业槽 processing tank
A90	 ISO 7000-0138	旋转式压缩机, 液体 环流型 rotary compressor, liquid ring type	A98	 ISO 7000-0583	贮存槽, 准备槽 storage tank; prepara- tion tank
A91	 ISO 7000-0134	液体泵 pump for liquids	A99	 ISO 7000-0159	液面 level
A92	 ISO 7000-0135	离心泵 centrifugal pump	A100	 ISO 7000-0130	质量(重量)、限荷 mass; (weight); loadlimit
A93	 ISO 7000-0234	阀(关闭元件) valve; (shut-off element)	A101	 ISO 7000-0542	提升点 lifting point
A94	 ISO 7000-0510	关闭阀 shut-off valve	A102	 ISO 7000-0222	漂洗 rinse

续表 1

编号	符号	含义	编号	符号	含义
A103	 ISO 7000-0363	点火火舌 pilot flame	A111	 ISO 7000-0023	脱离 disengaging
A104	 ISO 7000-0364	工作火焰 working flame	A112	 ISO 7000-0022	啮合 engaging
A105	 ISO 7000-0009	旋转一周 one revolution	A113	 ISO 7000-0550	安全罩 safety cover
A106	 ISO 7000-0258	旋转运动、周期数、 转数、右旋转运动 turn; revolutions; number of revolutions; right turning	A114	 ISO 7000-0027	冷却 cooling
A107	 ISO 7000-0937	左旋转运动 left turning	A115	 ISO 7000-0537	空气 air
A108	 ISO 7000-0010	转频、每分钟转数 rotational frequency; revolutions per minute	A116	 ISO 7000-0596	排气 evacuation of air
A109	 ISO 7000-0024	开 open	A117	 ISO 7000-0034	温度计、温度 thermometer; tempe- rature
A110	 ISO 7000-0025	闭 close	A118	 ISO 7000-0032	吹风 blowing

续表 1

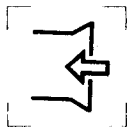


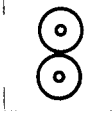
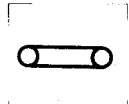
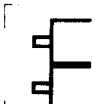




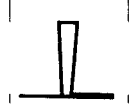

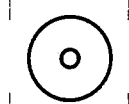

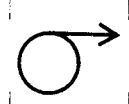


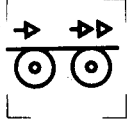
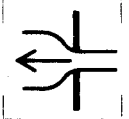
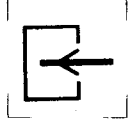

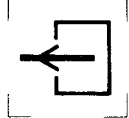


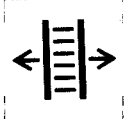


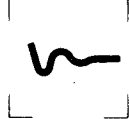



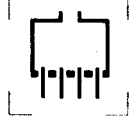

编号	符号	含义	编号	符号	含义
A119	 ISO 7000-0033	吸风 suction	A128	 ISO 7000-0538	切断(通用符号) separation, general
A120	 ISO 7000-0181	混合 admixture	A129	 ISO 7000-0194	压辊 press-rolls
A121	 ISO 7000-0229	输送带 conveyor belt	A130	 ISO 7000-0201	压辊侧面 press-rolls side
A122	 ISO 7000-0073	喷淋 spraying	A131	 GB 5465. 2-1030	准备 stand-by
A123	 ISO 7000-0588	探针、传感器、控制 器 teeler; sensor; control	A132	 GB 5465. 2-1049	调到最小 adjustment to a mini- mum
A124	 ISO 7000-0312	刮、涂、敷 scraping; coating; spreading	A133	 GB 5465. 2-1050	调到最大 adjustment to a max- imum
A125	 ISO 7000-0566	罗拉、辊筒 roller; cylinder	A134	 GB 5465. 2-6020	通风机、鼓风机、风 扇 air impeller (blower, fan, etc.)
A126	 ISO 7000-0038	退绕、退卷 unwind; unroll	A135	 GB 5465. 2-6008	排水 draining
A127	 ISO 7000-0037	卷绕、成卷 wind; roll; batch			

表 2 B类:专用符号

编号	符号	含义	编号	符号	含义
B1	 ISO 7000-0512	牵伸装置 drafting arrangement	B9	 ISO 7000-0172	绳索展直、绳状织物的开卷或展开 rope uncurling
B2	 ISO 7000-0226	物料输入机器 entry of material into the machine	B10	 ISO 7000-0603	单幅织物 fabric web, single track
B3	 ISO 7000-0227	物料输出机器 withdrawal of the material out of the machine	B11	 ISO 7000-0604	多幅织物 fabric web, multi-track
B4	 ISO 7000-0043	物料通过罗拉 passage of material over roller	B12	 ISO 7000-0066	增大织物的宽度 fabric web width enlargement
B5	 ISO 7000-0593	气吹布环装置 loop blowing device	B13	 ISO 7000-0067	减小织物的宽度 fabric web width narrowing
B6	 ISO 7000-0501	物料(布或纱线)的张力调节 adjust tension of material (cloth or yarn)	B14	 ISO 7000-0044	织物导边、织物导边器 fabric guiding; fabric guider
B7	 ISO 7000-0502	物料(布或纱线)张力相对初始状态的变化 variation of material (cloth or yarn) tension with initial position	B15	 ISO 7000-0045	剥边 selvedge uncurling
B8	 ISO 7000-0513	喷丝嘴 spinneret	B16	 ISO 7000-0056	布边硬挺整理(涂胶) selvedge stiffening; (gumming)

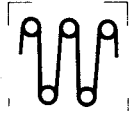




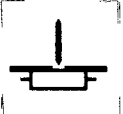

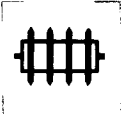
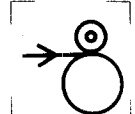

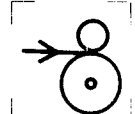
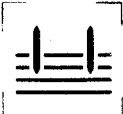
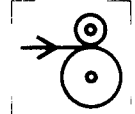


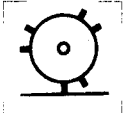
续表 2

编号	符号	含义	编号	符号	含义
B17	 ISO 7000-0057	布边毛圈的开口、开毛边 opening of selvage loops	B25	 ISO 7000-0048	纬弧, 中部超喂 fabric bow, centre advanced
B18	 ISO 7000-0055	布边修剪吸取 suction removal of selvage	B26	 ISO 7000-0049	纬弧, 布边超喂 fabric bow, selvages advanced
B19	 ISO 7000-0591	抬起布边 selvage lifting	B27	 ISO 7000-0050	纬斜, 右布边超喂 fabric skew, right-hand selvage advanced
B20	 ISO 7000-0068	织物幅宽附加调整 additional fabric width adjustment	B28	 ISO 7000-0051	纬斜, 左布边超喂 fabric skew, left-hand selvage advanced
B21	 ISO 7000-0047	变换织物运行方向、 矫正织物运行过程中的偏移 change direction of fabric	B29	 ISO 7000-0178	纬纱控制、针行控制 weft control; stitch row control
B22	 ISO 7000-0046	扩幅 cloth expanding	B30	 ISO 7000-0177	整纬、针行校直 weft adjusting; stitch row straightening
B23	 ISO 7000-0041	调整右输入导板 adjust right-hand entry guide	B31	 ISO 7000-0572	缝头 seam
B24	 ISO 7000-0042	调整左输入导板 adjust left-hand entry guide	B32	 ISO 7000-0597	调节接触弧(包角) adjust arc of contact

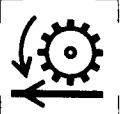
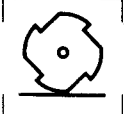

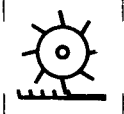
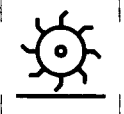

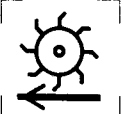
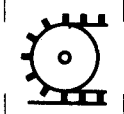



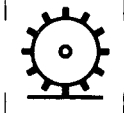

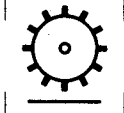

续表 2

编号	符号	含义	编号	符号	含义
B33	 ISO 7000-0598	减小包角 reduce arc of contact	B41	 ISO 7000-0600	补偿器移动下限 compensator movement to a lower limit
B34	 ISO 7000-0599	增大包角 enlarge arc of contact	B42	 ISO 7000-0601	补偿器移动上限 compensator movement to an upper limit
B35	 ISO 7000-0209	导辊控制 guide-roller control	B43	 ISO 7000-0214	J型堆布箱 cloth scray
B36	 ISO 7000-0210	导辊向前 guide-roller forward	B44	 ISO 7000-0061	布铗 cloth clip
B37	 ISO 7000-0211	导辊向后 guide-roller backwards	B45	 ISO 7000-0062	布铗清洁器 clip cleaner
B38	 ISO 7000-0236	有边筒管、经轴 flanged bobbin; beam	B46	 ISO 7000-0063	布边针(针板) edge pin; (pin plate)
B39	 ISO 7000-0560	给液罗拉 applicator roller	B47	 ISO 7000-0065	清理布边针(清理针板) clean edge pins; (clean pin plates)
B40	 ISO 7000-0223	布速补偿器 speed compensation for cloth travel	B48	 ISO 7000-0064	针板超喂 overfeed pinning

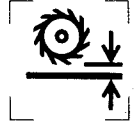
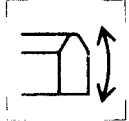

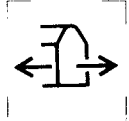
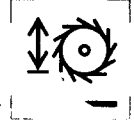
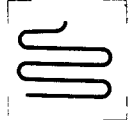
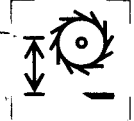
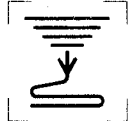
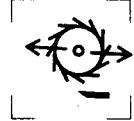

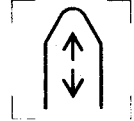



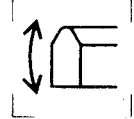
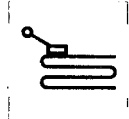
续表 2

编 号	符 号	含 义	编 号	符 号	含 义
B49	 ISO 7000-0602	布环区 loop zone	B57	 ISO 7000-0212	卷切割 winding and cutting
B50	 ISO 7000-0213	半幅卷绕 half-wind winding	B58	 ISO 7000-0552	横向切割 transverse cutting
B51	 ISO 7000-0184	板卷 board wrapping	B59	 ISO 7000-0553	纵向切割 longitudinal cutting
B52	 ISO 7000-0605	卷状织物 wound fabric	B60	 ISO 7000-0613	刀轴 knife shaft
B53	 ISO 7000-0556	切向驱动卷绕 winding with tangential drive	B61	 ISO 7000-0052	物料中点切割 cutting material at centre
B54	 ISO 7000-0557	直接驱动卷绕 winding with direct drive	B62	 ISO 7000-0054	物料切边 cut selvages of material
B55	 ISO 7000-0558	切向和直接驱动卷绕 winding with tangential and direct drive	B63	 ISO 7000-0053	物料多点切割 multiple cutting of material
B56	 ISO 7000-0590	摇纱摆杆装置或落筒摆杆装置 swivel device for reeling or winding	B64	 ISO 7000-0072	织物清洁 cleaning of fabric

续表 2

编号	符号	含义	编号	符号	含义
B65	 ISO 7000-0165	织物敲打工序 beating process of fabric	B73	 ISO 7000-0570	逆织物运行方向刷毛 brushing against fabric run direction
B66	 ISO 7000-0166	织物上光工序 polishing process of fabric	B74	 ISO 7000-0571	顺织物运行方向刷毛 brushing with fabric run direction
B67	 ISO 7000-0578	起毛 raising of pile	B75	 ISO 7000-0162	起绒 raising
B68	 ISO 7000-0170	横刷刷毛 brushing by means of cross-brush	B76	 ISO 7000-0163	顺向起绒 raising in direction of fabric
B69	 ISO 7000-0071	带刷刷毛 brushing by means of brush belt	B77	 ISO 7000-0164	逆向起绒 raising against direction of fabric
B70	 ISO 7000-0611	花样刷毛 pattern brushing	B78	 ISO 7000-0168	起绒辊顺布向回转 rotation of raising cylinder in direction of fabric
B71	 ISO 7000-0070	旋转刷刷毛 brushing by means of a rotating brush	B79	 ISO 7000-0169	起绒辊逆布向回转 rotation of raising cylinder against direction of fabric
B72	 ISO 7000-0614	刷毛辊脱开 brushing roller disengaged	B80	 ISO 7000-0069	剪毛(修剪) shear of fabric (crop of fabric)

续表 2

编号	符号	含义	编号	符号	含义
B81	 ISO 7000-0167	调节绒头高度 adjust height of pile	B89	 ISO 7000-0617	调整布架右侧 adjust right side of the cloth rest
B82	 ISO 7000-0574	调节剪毛装置 adjust shearing unit	B90	 ISO 7000-0619	水平调整布架 adjust horizontally cloth rest
B83	 ISO 7000-0575	调整剪毛辊对固定 刀片的距离 adjust shearing roller to the ledger blade	B91	 ISO 7000-0039	折叠织物 plaiting of fabric
B84	 ISO 7000-0576	剪毛辊与下方刀片 的接触与脱开 engage and disengage shearing roller aga- inst inferior knife	B92	 ISO 7000-0610	倍幅折叠 double plaiting
B85	 ISO 7000-0577	调节剪毛辊 adjust shearing roller	B93	 ISO 7000-0186	布堆 cloth pile
B86	 ISO 7000-0171	布架的调整 adjust cloth rest	B94	 ISO 7000-0189	移动码布刀 move the plaiting blade
B87	 ISO 7000-0616	倾斜布架 tilt cloth rest	B95	 ISO 7000-0192	折层稍长 slight fold advance
B88	 ISO 7000-0618	调整布架左侧 adjust left side of the cloth rest	B96	 ISO 7000-0567	折叠定位器 fold holder