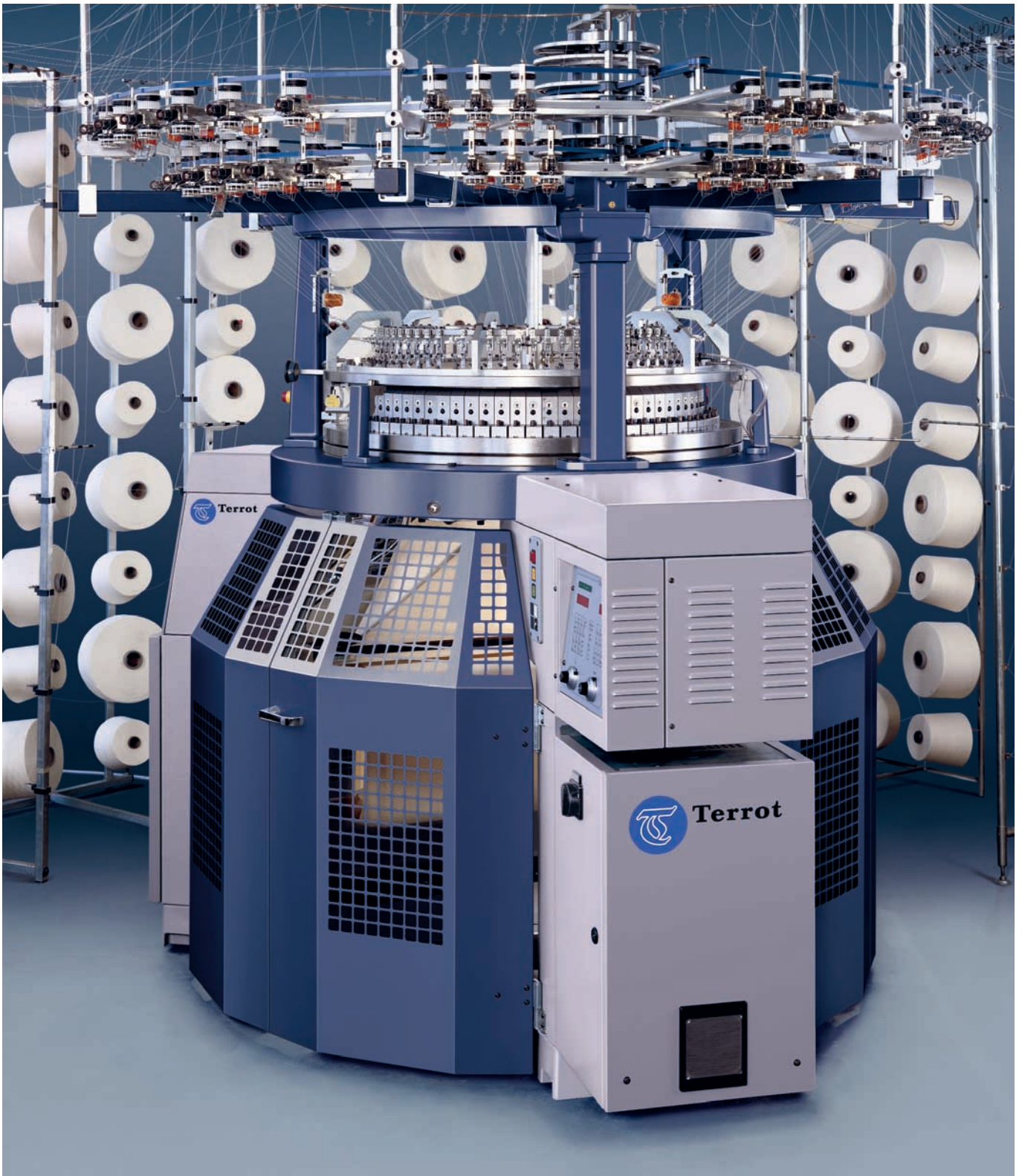


CIRCULAR KNITTING MACHINES SINGLE-JERSEY



Quality has a name: Terrot. Terrot has achieved an outstanding position in the development and manufacture of circular knitting machines over a period of more than 140 years. With the revised range of Single-Jersey circular knitting machines, Terrot is setting the standard in development, design and construction. Particularly when performance and quality are to the fore, the name of Terrot is not far away. The whole concept of the range has been updated with regard to better economy, production reliability and flexibility. The needle and sinker movements are precisely controlled in all phases of stitch formation. The result is something to be seen: more attractive stitch patterns, fewer faults and higher efficiency at extremely high continuous speeds. Terrot – Quality made in Germany.

ENCLOSED NEEDLE TRACKS AND POSITIVE NEEDLE GUIDANCE ENABLE HIGH MACHINE SPEEDS AND SMOOTH MACHINE RUNNING WITH LOW WEAR DURING CONTINUOUS OPERATION.



CONTROLLED STITCH FORMATION PROCESS IN ALL PHASES OF NEEDLE MOVEMENT PRODUCES TERROT'S TYPICALLY "BEAUTIFUL STITCH FORMATION". RELIABLE NEEDLE RUNNING INCREASES THE LIFETIME OF KNITTING TOOLS.

FIG. CYLINDER CAM SEGMENT

FIG. KNITTING HEAD TYPE S296-1

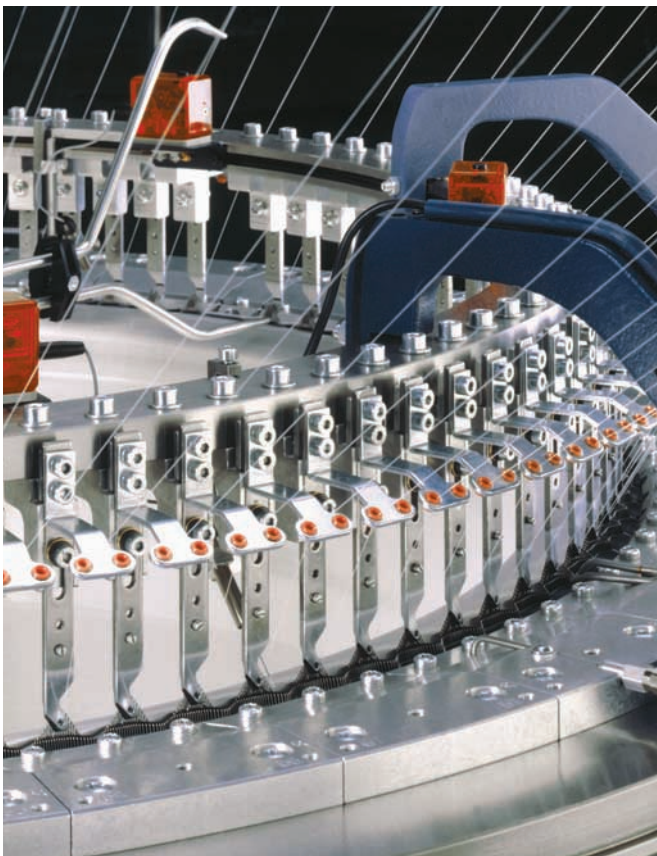


FIG. CENTRAL ADJUSTMENT



MORE INDIVIDUALITY

The customer can choose the type of machine that is tailor-made for his special application with different feeder densities from the SINGLE-JERSEY range.

- Type S296 with 3.2 feeders per inch diameter.*
- Type SH130 with 3.0 feeders per inch diameter.*
- Type SH124 with 2.4 feeders per inch diameter.*

MORE OPTIONS

For universal applications with maximum flexibility, conversion kits or packs are available in combination with user-friendly C frames.

- 3-thread yarn fleece.
- Elastane plating.
- Quality plating.
- Triple plating.

- QUICK CHANGE for rapid gauge change.
- Three frame heights with simplified handling for selectable batch diameter and rational further processing of the fabric for the subsequent finishing process.
- Fabric batch diameter 50, 80 and 105 cm.

MORE FLEXIBILITY

■ Many years of experience and customer's requests from practical operation have been incorporated into the design of the knitting head of the SH124.

■ Wide range of machine gauge settings 12 – 36 gg (40 gg).

■ Optimum mounting of the yarn guide and the yarn guide carrying ring with central adjustment and precise reproduction of the machine settings.

■ Cylinder cam with optimised profile with

positive needle guidance and up to 4 needle tracks.

■ Centrally adjustable sinker cam¹⁾ reduces the sources of error and guarantees better operational reliability in production mode.

■ Less of a spiral in the fabric tubing when processing high twisted yarns.¹⁾

■ A central knitting adjustment is provided in all machines in the SINGLE-JERSEY RANGE for the rapid realisation of widely differing

articles. This provides a simple, reliably reproducible and therefore user-friendly adjustment of the fabric weights. In addition, it is possible to adjust the stitch length on each knitting system individually.²⁾

■ Motor – controlled feed wheel drives (Option) simplify the operation of the machine and guarantee reliable reproducibility of the knit settings.

APPLICATIONS

■ A wide range of different yarn materials together with up to 4 needle tracks in 3-way technique enables almost inexhaustible structure designs to be achieved.

■ Plain Single-Jersey.

■ Structured Single-Jersey.

■ Elastane plated Single-Jersey.

■ Quality plated Single-Jersey.

■ Double piqué/ Single piqué.

■ 2-thread yarn fleece structures.

■ 3-thread yarn fleece structures (conversion kit).

■ Diagonal patterns.

■ Crepe structures.

■ Extremely fine, elastic knitwear.

OPEN WIDTH FRAME

■ No troublesome center crease and less cutting waste when further processing the fabric.

■ All types of machine in the Terrot SINGLE-JERSEY RANGE are available with open width frames.

AREAS OF APPLICATION

■ Modern sports, leisure and swimwear.

■ Modern outer garments for men/women/children.

■ Underwear for the fashion and medicinal sectors.

■ Technical knits (coating/laminate industry).

■ Print base knits.

MACHINE FEATURES

STANDARD

- Side creel with reserve pins.
- C machine frame with QUICK CHANGE system and fabric batch diameter 50 cm.
- Positive yarn feed (MP20L1).
- Data acquisition system for machine control, recording and displaying the machine functions (e.g. speed, operating hours, shift counter).
- Ready to use LAN interface.
- Automatic spray oiler.
- Exchange cams for 2 needle tracks.
- Frequency-controlled drive.
- Central and individual knitting adjustment for cylinder cam.²⁾
- Central adjustment for sinker cam.
- 1-hole yarn carrier.
- Internal fabric light.
- Electronic needle control with load up stop motion.
- Motorised fabric take-down.
- Rotary blast nozzle for keeping the knitting point clean.
- Cadratex fabric tube spreader.

OPTION

- Conversion kit in 3-thread yarn fleece (SBF).
- Elastane plating device with special yarn guide/roller.
- Chrome-plated yarn guide.
- Cam set/needles for 1 needle track, high-speed version.²⁾
- Cam set/needles for third and fourth needle track.
- Conversion kit triple plating (1/2 feeders).
- Special cams for piqué cut edge.²⁾
- Needle latch opener.
- Tube creel with reserve pins.
- Tube creel.
- Fan creel or filter creel.
- Fabric batch diameters 80 and 105 cm.
- Upper fan for keeping the feed wheel mechanisms clean.
- Interface for BDE systems.
- Exterior fabric light.
- Electronic yarn length measuring device (Decotex).
- Alternative, motorised central or individual drive for yarn feeder.

CIRCULAR KNITTING MACHINES SINGLE-JERSEY

SINGLE UP TO 4 NT		S296														
Diameter in inch Ø	26	28	30	32	34	36	38	42								
No. of feeders	84	90	96	102	109	115	122	134								
Feeders per inch Ø	3.2															
Gauges	12 – 36 (44) **46															
Needle tracks	up to 4 NT															
3-THREAD FLEECE		SBF296														
Diameter in inch Ø	26		30	32	34	36										
No. of feeders	28x3		32x3	34x3	36x3	38x3										
Feeders per inch Ø	3.2															
Gauges	16 – 20 (24)															
Needle tracks	up to 4 NT															
SINGLE PLAIN		SH130														
Diameter in inch Ø	**10	**11	**12	**13	**14	**15	16	17	18	19	20	21	22	23	24	30
No. of feeders	30	32	36	39	42	45	48	51	54	57	60	63	66	69	72	90
Feeders per inch Ø	3.0															
Gauges	18 – 36 12 – 36															
Needle tracks	up to 4 NT															
3-THREAD FLEECE		SBF130														
Diameter in inch Ø			30	32	34	36										
No. of feeders			30x3	32x3	34x3	36x3										
Feeders per inch Ø	3.0															
Gauges	16 – 20 (24)															
Needle tracks	up to 4 NT															
SINGLE PLAIN		SH124														
Diameter in inch Ø			30						34							
No. of feeders			72						82							
Feeders per inch Ø	2.4															
Gauges	18 – 36															
Needle tracks	up to 4 NT															
3-THREAD FLEECE		SBF124														
Diameter in inch Ø			30						34							
No. of feeders			24x3						28x3							
Feeders per inch Ø	2.4															
Gauges	16 – 20(24)															
Needle tracks	3 NT															

Above data are subject to modification due to advancing technology.

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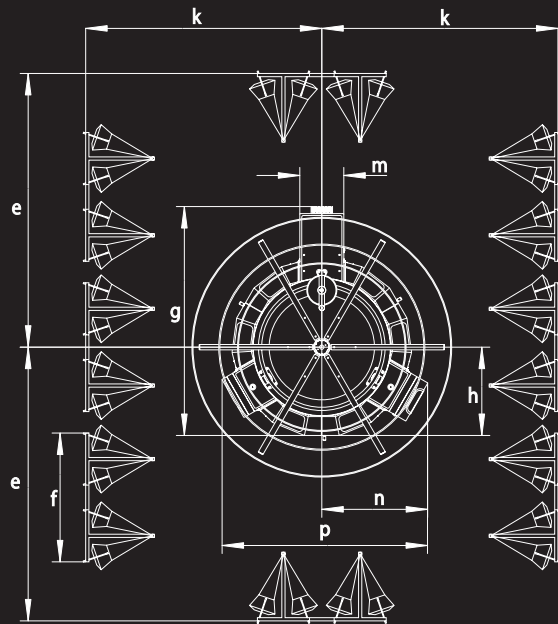
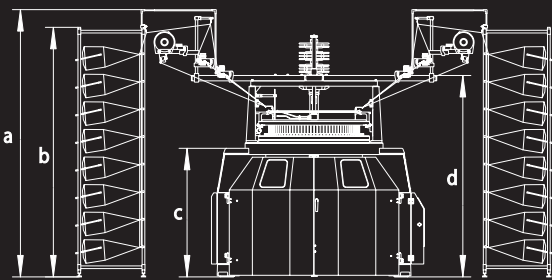


Fig. S296-1

Subject to technical changes. Illustrations may show accessories that are not included in the standard version. [CKM SINGLE-JERSEY 6.05 (GB)]

MACHINE DIMENSIONS

MACHINE DIAMETER IN INCHES	21-25	26-30	31-36	37-42
FRAME SIZES	C3/1	C4/1	C5/1	C6/1
a	2490	2490	2490	2490
b	2235	2325	2325	2325
c	1250	1250	1250	1250
e	2450	2550	2637	2712
f	1200	1200	1200	1200
g	1960	2135	2310	2460
h	730	825	913	988
k	2100	2200	2290	2360
m	410	410	410	410
n	920	990	1078	1153
p	1830	1920	2095	2245

PRODUCTION EXAMPLE S296

SINGLE PLAIN 28 GG COMBED COTTON NM/50 (NE30S)
 UNFINISHED WEIGHT 115 g/m², 16 COURSES/cm

Knitting structure											
Single-Jersey S 0101	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	
Fabric tube width											
Unfinished in cm	80	86	93	100	107	113	120	127	133	140	
production figures	125										
	m/h	23	25	27	29	31	32	34	36	38	40
	kg/h										

PRODUCTION EXAMPLE SBF296

3-THREAD FLEECE – 20 GG
 FLEECE THREAD: NE 10/1-COMBED COTTON
 TIE-IN THREAD: NE 30/1-COMBED COTTON
 GROUND THREAD: NE 30/1-COMBED COTTON
 COURSES/cm: 11, UNFINISHED FABRIC WEIGHT: 230 g/m²

Knitting structure							
3-thread fleece	26"	30"	32"	34"	36"	38"	
Fabric tube width							
Unfinished in cm	184	212	225	240	255	268	
Production figures	42						
	m/h	18	21	22	23	25	27
	kg/h						

Ne 1.0 / fabric data are subject to machine circumstances and yarn quality.