

TECHNICAL DETAILS

Knitting unit	ADF 530-32	ADF 530-32 B	ADF 530-32 W	ADF 530-32 BW
Carriages knitting systems	1×3	1×3	1×3	1×3
Combined knitting-transfer systems with split function ¹	3	3	3	3
Electronic wear-free selection systems with 2 selection points	8	8	8	8
Dynamic tension setting with step motors; extremely quick adjustments of stitch tension with PTS (Power Tension Setting)	●	●	●	●
Drive Racking				
Main drive: programmable speed; variable stroke; Power-RCR system (Rapid Carriage Return); flexible speed adjustment using starting bar; CFC-protective system (Carriage Force Control)	●	●	●	●
Max. knitting speed (m/s) ²	1.2	1.2	1.2	1.2
Max. knitting speed by empty rows (m/s)	1.5	1.5	1.5	1.5
Racking course max. 4°, programmable racking speed	●	●	●	●
Needle bed				
Max. working width, in inches (cm)	50 (127)	50 (127)	50 (127)	50 (127)
Gauges ³	E 8-18 E 6.2-8.2	E 8-18 E 6.2-8.2	E 10-18 E 6.2-8.2	E 10-18 E 6.2-8.2
Gauge conversion ⁴	○	○	○	○
Fixed knockover bits	●	●	●	●
Moveable holding-down jacks on both needle beds	●	●	●	●
Pelerine spring-transfer needle with spring-loaded latch	●	●	●	●
Needle detector	●	●	●	●
Needle exchange	○	○	○	○
Thread clamping and cutting devices, left right	16 16	16 16	16 16	16 16
Illuminated working space	●	●	●	●
Shock stop motion, front rear	● ●	● ●	● ●	● ●
Plush device ⁵	○	○	-	-
Devoré knit device ⁵	○	○	-	-
Yarn guide				
Yarn control units	32	32	32	32
Yarn carrier rail yarn carriers	8 32	8 32	8 32	8 32
Bypass kit for coarse weft yarns ⁶	-	-	●	●
Holders for bobbins, mounted on the rear side of the machine ⁷	●	●	●	●
Lateral yarn tensioners with scale and following permanent thread brake, 8 left 8 right ⁸	○	○	○	○
Mounting Kit MSF3 ⁹	○	○	○	○
Mounting Kit EFS ⁹	○	○	○	○
Mounting Kit LGL	-	-	-	-
ASCON® ¹⁰	-	-	-	-

TECHNICAL DETAILS

Fabric take-down system	ADF 530-32	ADF 530-32 B	ADF 530-32 W	ADF 530-32 BW
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	Belt take-down
Auxiliary take-down	●	-	●	-
Comb take-down	●	-	●	-
Control system Data processing				
STOLL-touchcontrol®: moveable display slide with 12.1" touchscreen; color display	●	●	●	●
2 USB ports; hard drive; online via Ethernet	●	●	●	●
Battery backup: correct continuation of the knitting process after power failure	●	●	●	●
Safety devices				
Light curtain	●	●	●	●
Machine complies with EC regulations (CE mark)	●	●	●	●
Machine status lamp with alarm buzzer	●	●	●	●
Cleaning device				
Suction device with turbine; with suction tube	●	●	●	●
Dimensions Weights				
Length: unpacked in the case on pallet, approx. in mm	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010
Weight: net gross with case gross with pallet, approx. in kg	1490 1905 1605	1370 1785 1485	1495 1910 1610	1375 1790 1490
Power				
Connection value, depending on operating status (kW) ¹¹	2.3	2.3	2.3	2.3
Flexible voltage connection AC 230V/400V +/-10%	●	●	●	●

- Standard equipment
- Special equipment

¹ All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

² Depends on yarn and pattern structure.

³ Gauges E 6.2 | 7.2 | 8.2 | 8 | 10 | 12 | 12m10 | 14 | 14m12 | 16 | 18 | 18m16

⁴ Conversion possible to multi gauge and vice versa within the same gauge range.

⁵ On demand.

⁶ For gauges E 10-14 and 6.2:
- 2x yarn carrier with eyelet E 3,5.2
- 2x bypass for E 3,5.2
- 2x yarn control unit for E 3,5.2

For gauges E 16-18:
- 2x yarn carrier with eyelet E 6.2
- 2x bypass for E 6.2
- 2x yarn control unit for E 6.2

⁷ 6 holders with 4 bobbins each.

⁸ The lateral thread feeding includes:
- Thread deflectors for optimum yarn guidance, left | right

- Electronic active thread clamp, 8 left | 8 right
- Lateral yarn tensioners with scale and following permanent thread brake, 8 left | 8 right

⁹ Requires transformer.

¹⁰ Option only in combination with lateral thread feeding covers.

¹¹ The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value indicated.

Further special equipment on request.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing.

TECHNICAL DETAILS

Knitting unit	ADF 530-16	ADF 530-16 B	ADF 530-16 W	ADF 530-16 BW
Carriages knitting systems	1×3	1×3	1×3	1×3
Combined knitting-transfer systems with split function ¹	3	3	3	3
Electronic wear-free selection systems with 2 selection points	8	8	8	8
Dynamic tension setting with step motors; extremely quick adjustments of stitch tension with PTS (Power Tension Setting)	●	●	●	●
Drive Racking				
Main drive: programmable speed; variable stroke; Power-RCR system (Rapid Carriage Return); flexible speed adjustment using starting bar; CFC-protective system (Carriage Force Control)	●	●	●	●
Max. knitting speed (m/s) ²	1.2	1.2	1.2	1.2
Max. knitting speed by empty rows (m/s)	1.5	1.5	1.5	1.5
Racking course max. 4°, programmable racking speed	●	●	●	●
Needle bed				
Max. working width, in inches (cm)	50 (127)	50 (127)	50 (127)	50 (127)
Gauges	E 5 - 18 ³ E 2,5.2 - 8.2	E 5 - 18 ³ E 2,5.2 - 8.2	E 10 - 18 ⁴ E 6.2 - 8.2	E 10 - 18 ⁴ E 6.2 - 8.2
Gauge conversion ⁵	○	○	○	○
Fixed knockover bits	●	●	●	●
Moveable holding-down jacks on both needle beds	●	●	●	●
Pelrine spring-transfer needle with spring-loaded latch	●	●	●	●
Needle detector	●	●	●	●
Needle exchange	○	○	○	○
Thread clamping and cutting devices, left right	8 8	8 8	8 8	8 8
Illuminated working space	●	●	●	●
Shock stop motion, front rear	● ●	● ●	● ●	● ●
Plush device ⁶	○	○	-	-
Devoré knit device ⁶	○	○	-	-
Yarn guide				
Yarn control units	16	16	16	16
Yarn carrier rail yarn carriers	4 16	4 16	4 16	4 16
Bypass kit for coarse weft yarns ⁷	-	-	●	●
Holders for bobbins, mounted on the rear side of the machine ⁸	●	●	●	●
Lateral yarn tensioners with scale and following permanent thread brake, 8 left 8 right ⁹	○	○	○	○
Mounting Kit MSF3 ¹⁰	○	○	○	○
Mounting Kit EFS ¹⁰	○	○	○	○
Mounting Kit LGL	-	-	-	-
ASCON® ¹¹	-	-	-	-

TECHNICAL DETAILS

Fabric take-down system	ADF 530-16	ADF 530-16 B	ADF 530-16 W	ADF 530-16 BW
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	Belt take-down
Auxiliary take-down	●	-	●	-
Comb take-down	●	-	●	-
Control system Data processing				
STOLL-touchcontrol®: moveable display slide with 12.1" touchscreen; color display	●	●	●	●
2 USB ports; hard drive; online via Ethernet	●	●	●	●
Battery backup: correct continuation of the knitting process after power failure	●	●	●	●
Safety devices				
Light curtain	●	●	●	●
Machine complies with EC regulations (CE mark)	●	●	●	●
Machine status lamp with alarm buzzer	●	●	●	●
Cleaning device				
Suction device with turbine; with suction tube	●	●	●	●
Dimensions Weights				
Length: unpacked in the case on pallet, approx. in mm	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010
Weight: net gross with case gross with pallet, approx. in kg	1380 1795 1495	1260 1675 1375	1385 1800 1500	1265 1680 1380
Power				
Connection value, depending on operating status (kW) ¹²	2.3	2.3	2.3	2.3
Flexible voltage connection AC 230V/400V +/-10%	●	●	●	●

- Standard equipment
- Special equipment

¹ All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

² Depends on yarn and pattern structure.

³ Gauges ADF 530-16 + B: E 2,5.2 | 2,5.2 m4L | 3,5.2 | 3,5.2 m4L | 5,2 | 6,2 | 7,2 | 8,2 | 5 | 5m4 | 7 | 7m5 | 8 | 10 | 12 |

12m10 | 14 | 14m12 | 16 | 18 | 18m16

⁴ Gauges ADF 530-16 W + BW: E 6.2 | 7.2 | 8.2 | 10 | 12 | 12m10 | 14 | 14m12 | 16 | 18 | 18m16

⁵ Conversion possible to multi gauge and vice versa within the same gauge range.

⁶ On demand.

⁷ For gauges E 10-14 and 6.2: - 2× yarn carrier with eyelet E 3,5.2

- 2× bypass for E 3,5.2
- 2× yarn control unit for E 3,5.2
For gauges E 16-18:
- 2× yarn carrier with eyelet E 6.2
- 2× bypass for E 6.2
- 2× yarn control unit for E 6.2

⁸ 2 holders with 4 bobbins each.

⁹ The lateral thread feeding includes:
- Thread deflectors for optimum yarn guidance, left | right

- Electronic active thread clamp, 8 left | 8 right
- Lateral yarn tensioners with scale and following permanent thread brake, 8 left | 8 right

¹⁰ Requires transformer.

¹¹ Option only in combination with lateral thread feeding covers.

¹² The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value indicated.

*The distance between systems has been reduced from 6" to 5,2" for the gauge range E 2,5.2-5.2 and E 5-8

Further special equipment on request.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing.

TECHNICAL DETAILS

Knitting unit	ADF 530-24	ADF 530-24 B	ADF 830-24 W*
Carriages knitting systems	1 × 3	1 × 3	1 × 3
Combined knitting-transfer systems with split function ¹	3	3	3
Electronic wear-free selection systems with 2 selection points	8	8	8
Dynamic tension setting with step motors; extremely quick adjustments of stitch tension with PTS (Power Tension Setting)	●	●	●
Drive Racking			
Main drive: programmable speed; variable stroke; Power-RCR system (Rapid Carriage Return); flexible speed adjustment using starting bar; CFC-protective system (Carriage Force Control)	●	●	●
Max. knitting speed (m/s) ²	1.2	1.2	1.2
Max. knitting speed by empty rows (m/s)	1.5	1.5	1.5
Racking course max. 4", programmable racking speed	●	●	●
Needle bed			
Max. working width, in inches (cm)	50 (127)	50 (127)	84 (213)
Gauges	E 5 - 8 ^{3.1} E 2,5.2 - 5.2	E 5 - 8 ^{3.1} E 2,5.2 - 5.2	E 10 - 18 ^{3.2} E 6.2 - 8.2
Gauge conversion ⁴	○	○	○
Fixed knockover bits	●	●	●
Moveable holding-down jacks on both needle beds	●	●	●
Pelerine spring-transfer needle with spring-loaded latch	●	●	●
Needle detector	●	●	●
Needle exchange	○	○	○
Thread clamping and cutting devices, left right	12 12	12 12	12 12
Illuminated working space	●	●	●
Shock stop motion, front rear	● ●	● ●	● ●
Plush device ⁵	○	○	○
Devoré knit device ⁵	○	○	○
Yarn guide			
Yarn control units	32	32	24
Yarn carrier rail yarn carriers	6 24	6 24	6 24
Bypass kit for weft yarns ⁶	○	○	●
Holders for bobbins, mounted on the rear side of the machine ⁷	●	●	●
Lateral yarn tensioners with scale and following permanent thread brake, 6 left 6 right ⁸	○	○	○
Mounting Kit MSF3 ⁹	○	○	○
Mounting Kit EFS ⁹	○	○	○
Mounting Kit LGL	-	-	-
ASCON® ¹⁰	-	-	-

TECHNICAL DETAILS

Fabric take-down system	ADF 530-24	ADF 530-24 B	ADF 830-24 W*
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®
Auxiliary take-down	●	-	●
Comb take-down	●	-	●
Control system Data processing			
STOLL-touchcontrol®: moveable display slide with 12.1" touchscreen; color display	●	●	●
2 USB ports; hard drive; online via Ethernet	●	●	●
Battery backup: correct continuation of the knitting process after power failure	●	●	●
Safety devices			
Light curtain	●	●	●
Machine complies with EC regulations (CE mark)	●	●	●
Machine status lamp with alarm buzzer	●	●	●
Cleaning device			
Suction device with turbine; with suction tube	●	●	●
Dimensions Weights			
Length: unpacked in the case on pallet, approx. in mm	3080 3540 3540	3080 3540 3540	3950 4490 4490
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102	1203 1138 1102	1203 1150 1100
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010	1810 2218 2010	1810 1940 1810
Weight: net gross with case gross with pallet, approx. in kg	1490 1905 1605	1370 1785 1485	1750 2510 2010
Power			
Connection value, depending on operating status (kW) ¹¹	2.3	2.3	2.3
Flexible voltage connection AC 230V/400V +/-10 %	●	●	●

● Standard equipment
○ Special equipment

* Launch date July 2018

¹ All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

² Depends on yarn and pattern structure.

^{3.1} Gauges E 2,5.2 | 2,5.2 m4L | 3,5.2 | 3,5.2 m4L | 5.2 | 5 | 5 m4 | 7 | 7 m5 | 8

^{3.2} Gauges E 6.2 | 7.2 | 8.2 | 10 | 12 | 12m10 | 14 | 14m12 | 16 | 18 | 18m16

⁴ Conversion possible to multi gauge and vice versa within the same gauge range.

⁵ On demand.

⁶ For gauges E 10-14 and 6.2:
- 2× yarn carrier with eyelet E 3,5.2
- 2× bypass for E 3,5.2
- 2× yarn control unit for E 3,5.2
For gauges E 16-18:
- 2× yarn carrier with eyelet E 6.2
- 2× bypass for E 6.2
- 2× yarn control unit for E 6.2

⁷ 6 holders with 4 bobbins each.

⁸ The lateral thread feeding includes:
- Thread deflectors for optimum yarn guidance, left | right
- Electronic active thread clamp, 6 left | 6 right
- Lateral yarn tensioners with scale and following permanent thread brake, 6 left | 6 right
⁹ Requires transformer

¹⁰ Option only in combination with lateral thread feeding covers.

¹¹ The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value indicated.

Further special equipment on request.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing 05/18-E.