

Counting Discs

köster



The Task

- The growing variety of products on the market requires the availability of corresponding counting discs.

The Solution

- Our constantly developed and expanded range of counting discs.

The Advantages

- Short conversion times.
- Gentle handling of products during the counting process.
- Wide working range.













The Flexibility

- All types of substrates used in the global security printing industry, with a few exceptions also in commercial printing, can be processed at high speed and with extreme precision.
- Depending on the application, counting at the corner or on the side edge.

The Substrates

- Cellulose-based products
- Cotton-based products
- Cardboard-based products
- Polymer-based products
- Coated products
- Hybrid products
- Laminated products
- And much more

Legend

 HPC ready	New design		Immersion depth (mm)
 SST	Stainless steel		Counting at the corner
 SEG x	Number of segments		Counting at the edge
 Ø xxx	Diameter (mm)		Offset tolerance (mm)
	Inclination angle (°)		Available rotation directions
 GSM xx-xxx	Working area (GSM)		Wing blade height (mm)

R Counting at the corner.
In production use since 1991.
First design with suction slots.

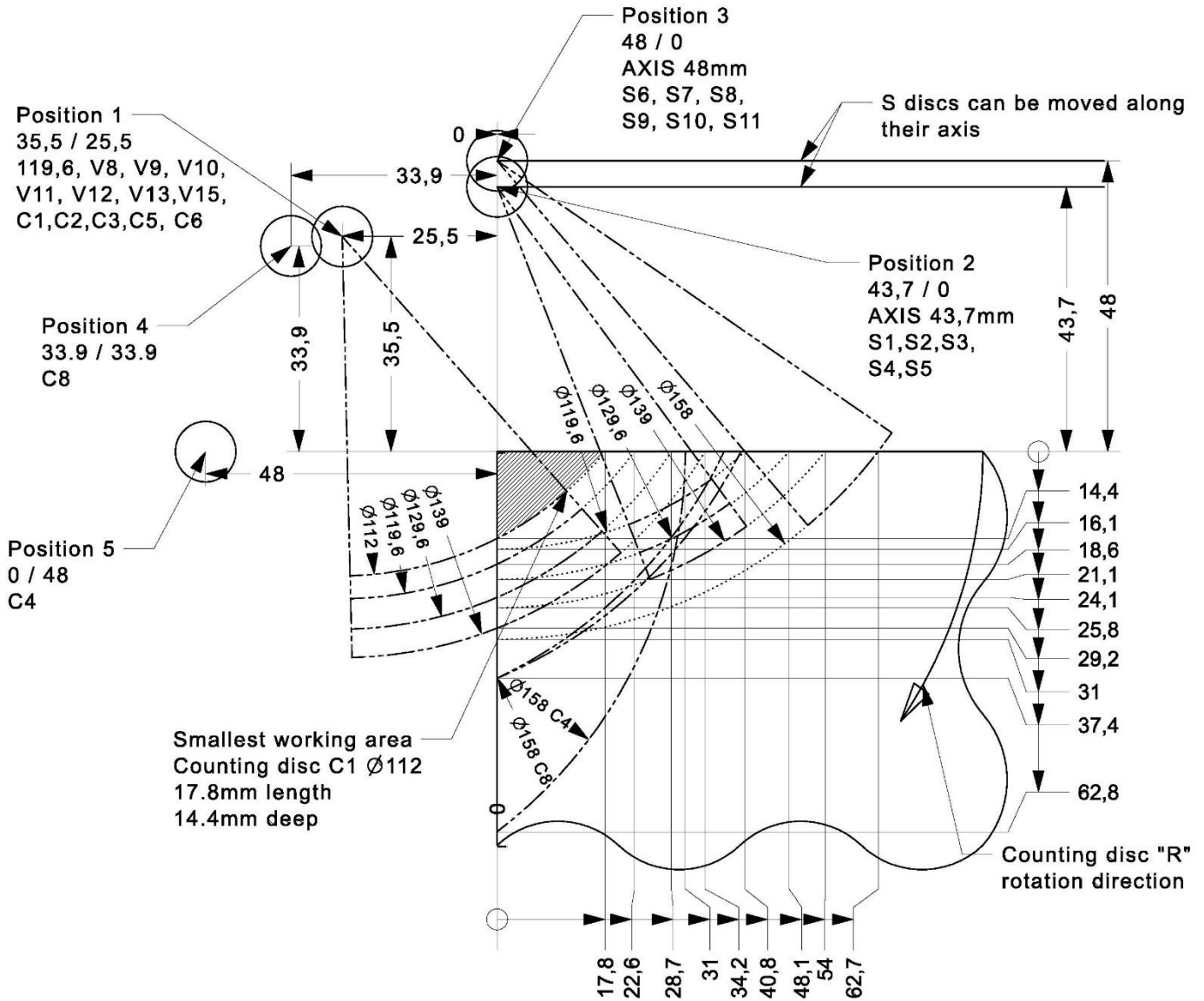
V Counting at the corner.
In production use since 2002. First design with micro suction holes instead of suction slots.
























































C Counting at the corner.
In production use since 2018. New design, constantly updated.
Superior to the 'R' and 'V' discs in all areas. Standard for our counting machines with corner configuration.

S Counting on the side edge.
In production use since 2016. Increased maximum working range compared to 'C' discs.





































































SO Counting on the side edge. Developed for the HELIX CC system to read a code printed on the side edge of each individual sheet during the counting process.

Positions









































































Type	Köster Part No.	Adapter Part No.	Alternative Part No.
6.5 119.6		 SEG 6	 Ø 119.6
		 13°	 GSM 70-120
		 18.6	 C
		 +0 -1	 R L
Clockwise	KPN-A01-010-R	KPN-A15-010-RV-R	10.0101046.R119.6
Counterclockwise	KPN-A01-010-L	KPN-A15-010-LV-LD	10.0101046.L119.6
V8		 SEG 6	 Ø 119.6
		 13°	 GSM 50-120
		 18.6	 C
		 +0 -1	 R L
Clockwise	KPN-A01-080-R	KPN-A15-010-RV-R	10.0101046.R119.6/13V8
Counterclockwise	KPN-A01-080-L	KPN-A15-010-LV-LD	10.0101046.L119.6/13V8
V8 40 gr.		 SEG 6	 Ø 119.6
		 13°	 GSM 40-110
		 18.6	 C
		 +0 -1	 R
Clockwise	KPN-A01-081-R	KPN-A15-010-RV-R	10.0101046.R119.6V8_40GR
V9		 SEG 3	 Ø 129.6
		 13°	 GSM 50-160
		 24.1	 C
		 +0 -2.5	 R L
Clockwise	KPN-A01-090-R	KPN-A15-010-RV-R	10.0101046.R129.6V9
Counterclockwise	KPN-A01-090-L	KPN-A15-010-LV-LD	10.0101046.L129.6V9
V10		 SEG 6	 Ø 129.6
		 13°	 GSM 60-115
		 24.1	 C
		 +0 -1	 R L
Clockwise	KPN-A01-100-R	KPN-A15-010-RV-R	10.0101046.R129.6V10
Counterclockwise	KPN-A01-100-L	KPN-A15-010-LV-LD	10.0101046.L129.6V10
V11		 SEG 3	 Ø 129.6
		 13°	 GSM 60-120
		 24.1	 C
		 +0 -2.5	 R L
Clockwise	KPN-A01-110-R	KPN-A15-010-RV-R	10.0101046.R129.6V11
Counterclockwise	KPN-A01-110-L	KPN-A15-010-LV-LD	10.0101046.L129.6V11
V12		 SEG 3	 Ø 129.6
		 13°	 GSM 90-250
		 24.1	 C
		 +0 -2.5	 R L
Clockwise	KPN-A01-120-R	KPN-A15-010-RV-R	10.0101046.R129.6V12
Counterclockwise	KPN-A01-120-L	KPN-A15-010-LV-LD	10.0101046.L129.6V12

Our counting discs are constantly being further developed and optimized.
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Type	Köster Part No.	Adapter Part No.	Alternative Part No.							
V13										
Clockwise	KPN-A01-130-R	KPN-A15-010-RV-R	10.0101046.R139V13							
Counterclockwise	KPN-A01-130-L	KPN-A15-010-LV-LD	10.0101046.L139V13							
V15										
Clockwise	KPN-A01-150-R	KPN-A15-010-RV-R	10.0101046.R139V15							
C1										
Clockwise	KPN-A02-001-R	KPN-A15-020-RV-RC1	10.0101046.R112/13_C1							
C2										
Clockwise	KPN-A02-002-R	KPN-A15-020-RV-RC2	10.0101046.R129.6/10_C2							
Counterclockwise	KPN-A02-002-L	KPN-A15-020-LV-LC2	10.0101046.L129.6/10_C2							
C3										
Clockwise	KPN-A02-003-R	KPN-A15-020-RV-RC3	10.0101046.R119.6_C3							
Counterclockwise	KPN-A02-003-L	KPN-A15-020-LV-LC3								
C4										
Clockwise	KPN-A02-004-R	KPN-A15-020-RV-RC4								
Counterclockwise										
C6										
Clockwise	KPN-A02-006-R	KPN-A15-020-RV-RC2								
Counterclockwise	KPN-A02-006-L	KPN-A15-020-LV-LC2								

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Type	Köster Part No.	Adapter Part No.	Alternative Part No.							
C7	 HPC ready	 SST	 SEG 6	 Ø 158	 8°	 GSM 120-350	 36.6	 C	 +0 -3	 R
Clockwise	KPN-A02-007-R	KPN-A15-020-RV-RC7								
S1	 HPC ready	 SST	 SEG 4	 Ø 139	 9°	 GSM 200-500	 25.8	 E	 +0 -1.5	 R L
Clockwise	KPN-A03-001-R	KPN-A15-030-RV-RS1				10.010101046.R139S1				
Counterclockwise	KPN-A03-001-L	KPN-A15-030-RV-LS1				10.010101046.L139S1				
S2	 HPC ready	 SST	 SEG 5	 Ø 119.6	 8°	 GSM 35-115	 16.1	 E	 +0 -1.5	 R L
Clockwise	KPN-A03-002-R	KPN-A15-030-RV-RS2				10.010101046.R119.6/8_S2				
Counterclockwise	KPN-A03-002-L	KPN-A15-030-RV-LS2				10.010101046.L119.6/8_S2				
S3	 HPC ready	 SST	 SEG 5	 Ø 119.6	 8°	 GSM 40-115	 16.1	 E	 +0 -2.5	 R L
Clockwise	KPN-A03-003-R	KPN-A15-030-RV-RS3				10.010101046.R119.6/8_S3				
Counterclockwise	KPN-A03-003-L	KPN-A15-030-RV-LS3				10.010101046.L119.6/8_S3				
S4	 HPC ready	 SST	 SEG 6	 Ø 129.6	 8°	 GSM 40-115	 21.1	 E	 +0 -3	 R L
Clockwise	KPN-A03-004-R	KPN-A15-030-RV-RS4				10.010101046.R129.6/8_S4				
Counterclockwise	KPN-A03-004-L	KPN-A15-030-LV-LS4				10.010101046.L129.6/8_S4				
S5	 HPC ready	 SST	 SEG 4	 Ø 129.6	 8°	 GSM 40-115	 21.1	 E	 +0 -4	 R L
Clockwise	KPN-A03-005-R	KPN-A15-030-RV-RS5				10.010101046.R129.6/8_S5				
Counterclockwise	KPN-A03-005-L	KPN-A15-030-LV-LS5				10.010101046.L129.6/8_S5				
S6	 HPC ready	 SST	 SEG 4	 Ø 158	 5°	 GSM 30-200	 31	 E	 +4 -4	 R L
Clockwise	KPN-A03-006-R	KPN-A15-030-RV-RS6				10.0101046.R158/8_S6				
Counterclockwise	KPN-A03-006-L	KPN-A15-030-LV-LS6				10.0101046.L158/8_S6				

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Type	Köster Part No.	Adapter Part No.	Alternative Part No.							
S7	HPC ready	SST	SEG 4	∅ 158	5°	GSM 35-150	31	E	+4 -4	R L
	Clockwise	KPN-A03-007-R	KPN-A15-030-RV-RS6		10.0101046.R158/8_S7					
Counterclockwise	KPN-A03-007-L	KPN-A15-030-LV-LS6		10.0101046.L158/8_S7						
S8	HPC ready	SST	SEG 5	∅ 136	5°	GSM 35-170	20	E	+3 -2.5	R L
	Clockwise	KPN-A03-008-R	KPN-A15-030-RV-RS8							
Counterclockwise	KPN-A03-008-L	KPN-A15-030-LV-LS8								
S9	HPC ready	SST	SEG 4	∅ 158	5°	GSM 70-270	31	E	+3 -3	R
	Clockwise	KPN-A03-009-R	KPN-A15-030-RV-RS9							
S10	HPC ready	SST	SEG 4	∅ 158	5°	GSM 200-350	31	E	+4 -4	R
	Clockwise	KPN-A03-010-R	KPN-A15-030-RV-RS8							
S11	HPC ready	SST	SEG 3	∅ 158	5°	GSM 250->500	31	E	+3 -4	R L
	Clockwise	KPN-A03-011-R	KPN-A15-030-RV-RS8							
Counterclockwise	KPN-A03-011-L	KPN-A15-030-LV-LS8								
SO2	HPC ready	SST	SEG 2	∅ 136	19, 23 27, 31	GSM 35-170	20	E	+3 -2,5	R
	Clockwise	KPN-A05-001-R-02	KPN-A15-050-RV-RS01							

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Basic Information

Discs

- The details of the GSM values are based on experience and tests. Depending on the product rigidity, these values may differ.
- Older produced counting discs for corner position are designated by 1xx,x for the diameter in "mm" and / or "V8 - V15" depending on the type.
- Newly produced counting discs for corner position are designated by "C1-Cx" depending on the type.
- Newly produced counting discs for edge position are designated by "S1-Sx" depending on the type.
- Warranty for the lifetime of the counting discs is not granted as the abrasive wear depends highly to the processed product.

Machines

- Maximum counting speed refers generally to the rated maximum rpm value and the machine design.
- It is not granted that maximum speed can be attended using all kind of substrates / materials.
- Warranty time 12 months upon issuing of the acceptance certificate.
- Warranty extension of 24 months optionally available.
- Warranty coverage except wear parts.

HPC – HIGH PERFORMANCE COUNTING



köster

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