



Disclaimer for the use of this Guideline

Since the publication of SANS 1313: 2012, the CMA and its members have become aware of a number of possible errors in the suite of Idler standards. In the interests of safety and to limit potential manufacturing errors, a list of these potential errors is being made available to the industry in the interim period before the standards are amended.

This list is made available subject to the intellectual property rights of SANS 1313:2012 remaining with the SABS. The CMA, its corporate members, directors, committee members or any individual associated with the generation of the list of potential errors, or any individual committee member is not responsible for any consequences, legal or financial or otherwise, arising from the use of this guideline. The list of potential errors is considered, used and applied solely at the discretion of the user. As such the CMA, its corporate members, directors, committee members, and/or any persons involved in the generation of the list of potential errors cannot guarantee the veracity thereof.

SANS 1313-1:2012 Clause 3.5 closed end

Only figure 2b is in the latest edition while figure 2a is not included and should have been in the document.

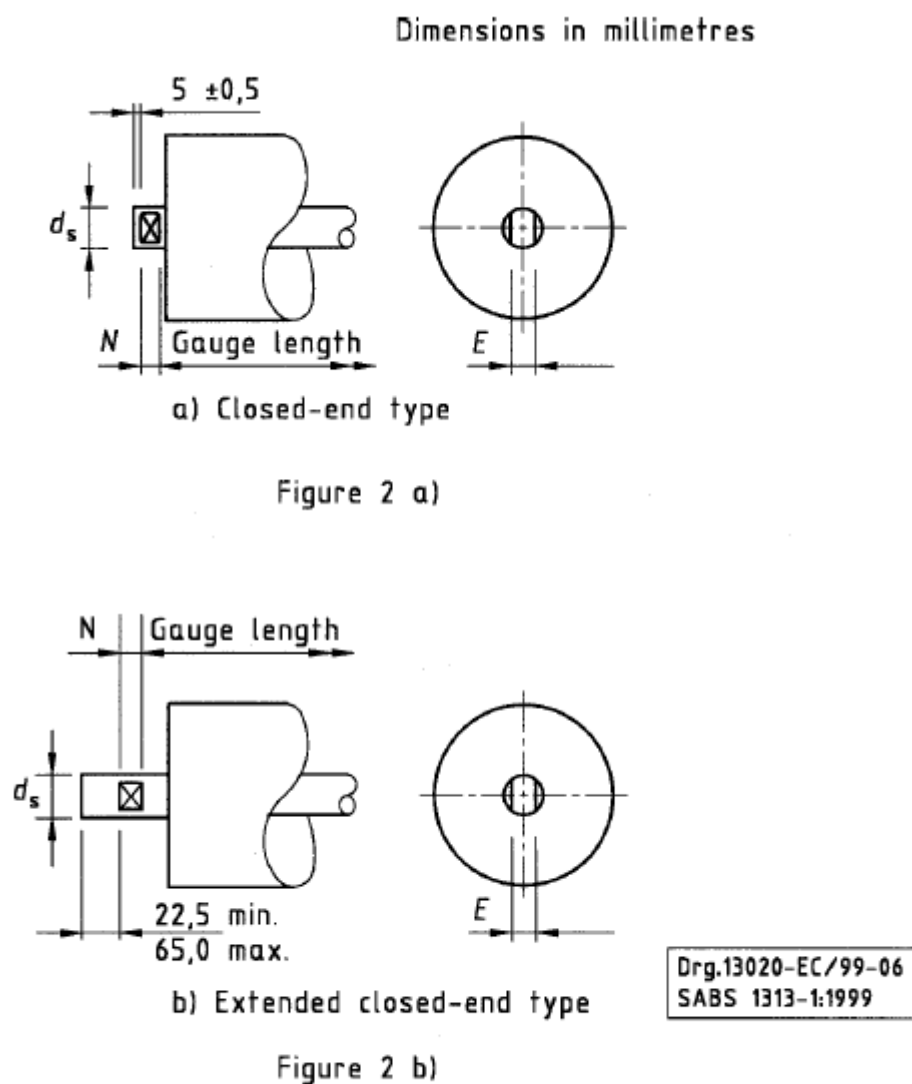


Figure 2 — Closed roll shaft ends

SANS 1313-1:2012

Clause 6.2 Roll shaft ends

Table content incorrect

Table 2 - Roll shaft end dimensions

Dimensions in millimetres

1	2	3	4	5	6	7
Idler series	Roll shaft end diameter		Width across flat		Length of flat	
	d_s		E		N	
	max.	min.	max.	min.	max.	min.
20	20,01	19,5	14,2	13,5	10,0	9,5
25	25,02	24,5	18,2	17,5	12,0	11,5
25 ^a	25,01	24,5	13,2	12,5	20,0	19,5
30	30,01	29,5	29,5	21,5	14,0	13,5
35	35,01	34,5	34,5	26,5	14,0	13,5
40	40,01	39,5	39,5	31,5	14,0	13,5

^a Applicable to series 25 extended closed-end roll shaft only

Table content corrected

Table 2 - Roll shaft end dimensions

Dimensions in millimetres

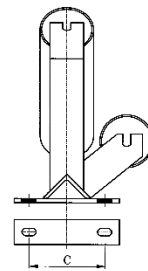
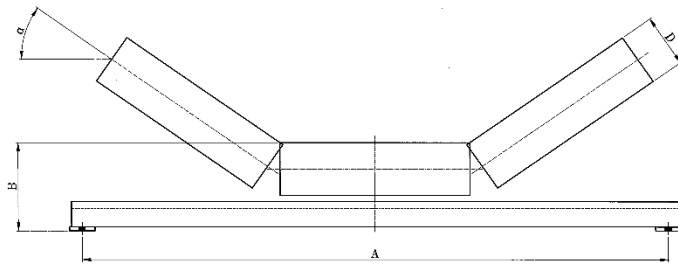
1	2	3	4	5	6	7
Idler series	Roll shaft end diameter		Width across flat		Length of flat	
	d_s		E		N	
	max.	min.	max.	min.	max.	min.
20	20,01	19,5	14,2	13,5	10,0	9,5
25	25,02	24,5	18,2	17,5	12,0	11,5
25 ^a	25,01	24,5	13,2	12,5	20,0	19,5
30	30,01	29,5	22,2	21,5	14,0	13,5
35	35,01	34,5	27,2	26,5	14,0	13,5
40	40,01	39,5	32,2	31,5	14,0	13,5

^a Applicable to series 25 extended closed-end roll shaft only

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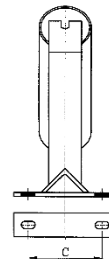
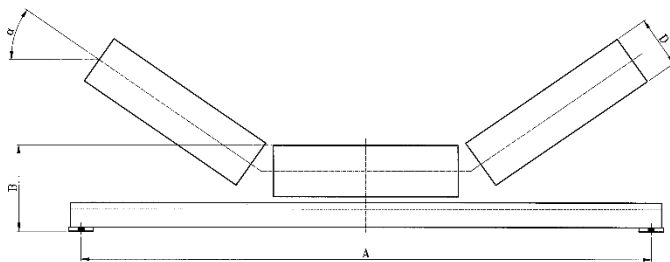
Clause 5.1.3 Three-roll or five-roll troughing idlers

Corrected drawings:



Drg.8079d

a) Offset three-roll troughing idler
Figure 10-Typical troughing idlers



Drg.8079d1

b) Three-roll troughing idler
Figure 10-Typical troughing idlers

SANS 1313-1:2012

Clause 5.1.5 Single-roll flat carrying idlers

Corrected drawing:

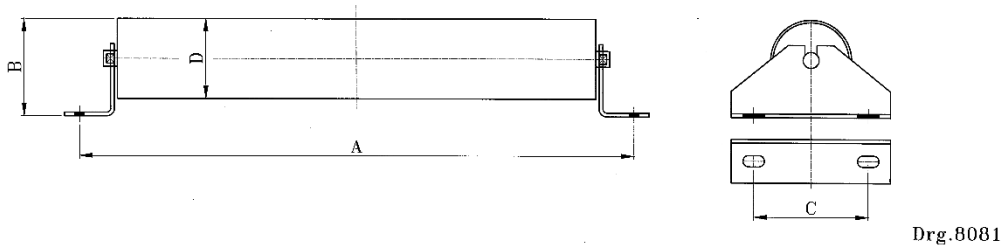


Figure 12-Single-roll flat carrying idler

SANS 1313-1:2012

Clause 5.1.6 Single-roll flat return idlers

Error: shaft diameter shown too large relative to the shell diameter

5.1.6 Single-roll flat return idlers (see figure 13)

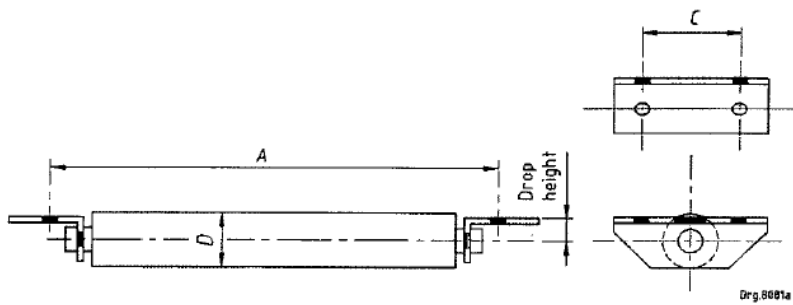


Figure 13 — Single-roll flat return idler

Corrected drawing:

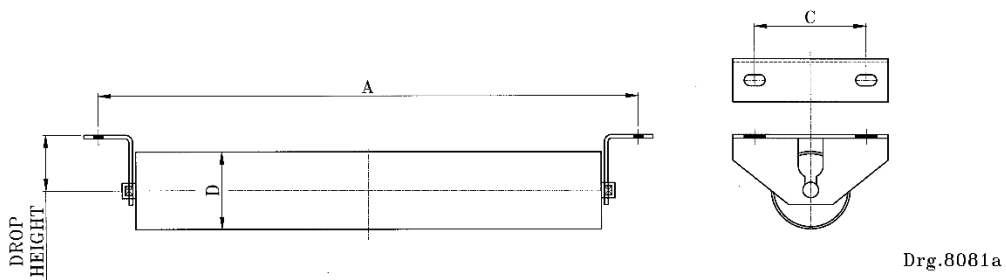


Figure 13-Single-roll flat return idler

SANS 1313-1:2012 Clause 5.1.9 Picking idlers

Side roller drawn incorrectly.

5.1.9 Picking idlers (see figure 16)

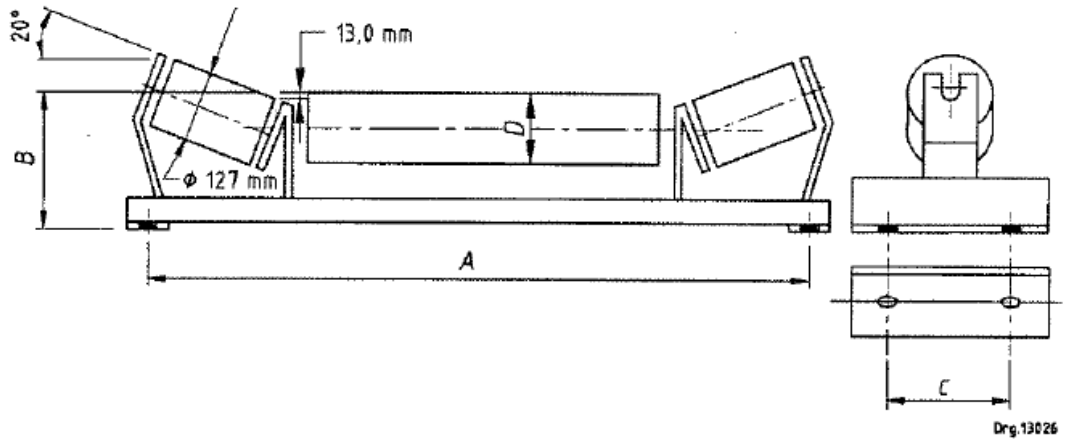


Figure 16 — Picking idler

Corrected drawing:

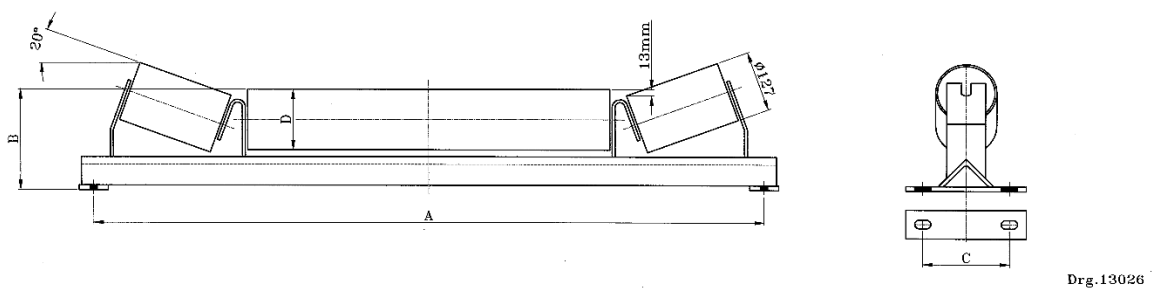


Figure 16-Picking idler

SANS 1313-1:2012 Clause 5.1.10 Two-roll troughing idlers

Side roller and retention bracket drawn incorrectly.

5.1.10 Two-roll troughing idlers (see figure 17)

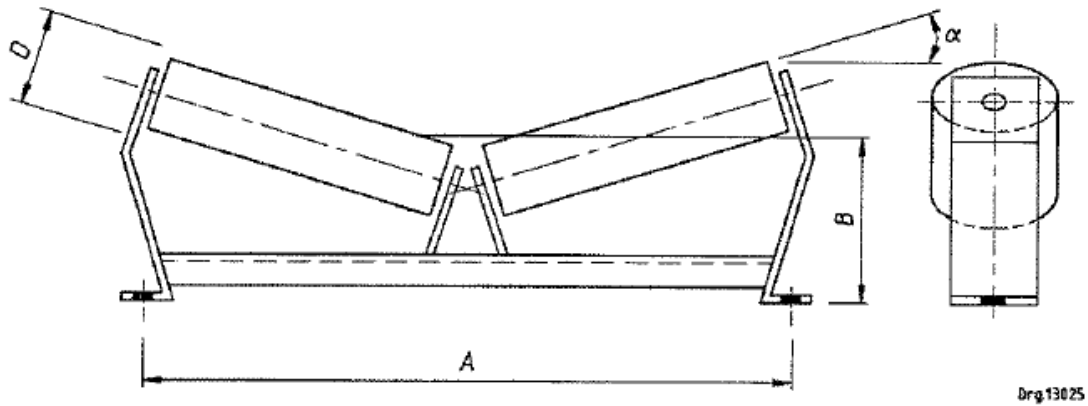


Figure 17 — Two-roll troughing idler

Corrected drawing:

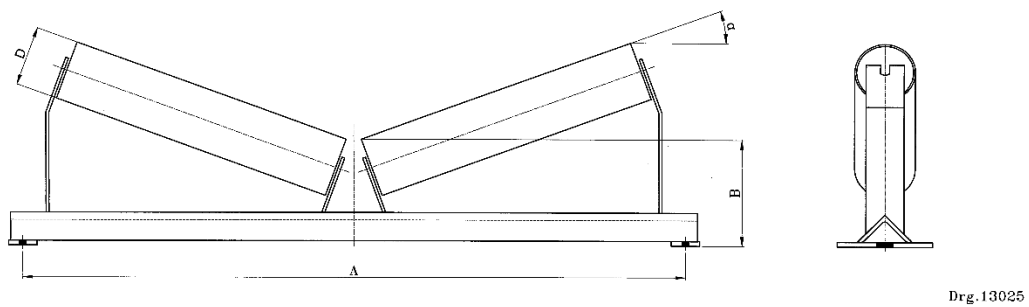


Figure 17-Two-roll troughing idler

SANS 1313-1:2012

These notes were in the previous version but left out of issue 2012.

Annex C
(informative)**Transportation and storage of idler rolls****C.1 Transportation of rolls**

Rolls should be transported either in a manageable container or in bundles suitable for the transport conditions, secured with steel strapping or other flexible strapping to prevent the rolls from knocking against one another. Rolls should not be transported loose.

Excessive pressure should not be applied when the rolls are being packed.

Magnetic lifting devices should not be used.

C.2 Storage

Rolls should be stored indoors, but if outside storage is unavoidable, the rolls should be

- a) covered with waterproof sheeting and be suitably ventilated, or
- b) stored in suitably ventilated aerated containers where water cannot accumulate.

If prolonged storage in the open (field storage) is necessary, appropriate corrosion protection should be applied to the rolls.

Rolls should be stored on suitable battens and not on the ground.

SANS 1313-3:2012**Clause 4.3.8 Figure 3 Cross-sectional bearing details****Missing line on drawing as highlighted in yellow.**

NB: this error is not consistent depending on origin of the document. Printed by SABS and purchased from the SABS Shop copies show the retention bracket. Copies that are purchased as PDFs may be missing the retention bracket.

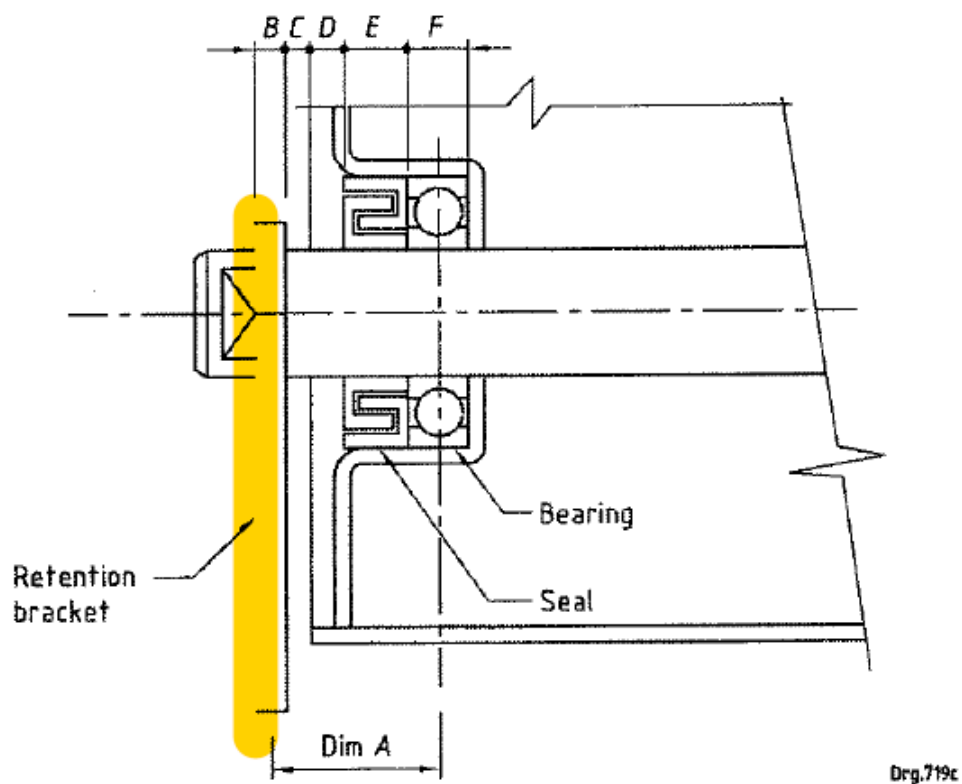


Figure 3 — Cross-sectional bearing details

SANS 1313-3:2012

Clause 5.3 Running friction force

In SANS 1313-3:2012 page 19

Table 11 - Running friction force

1	2
Nominal diameter of roll mm	Maximum friction force N
100	3,0
125	2,8
150 to 180	2,7

Corrected version to be substituted

SANS 1313 AMENDED RUNNING FRICTION FORCE AND BREAK AWAY MASS

Table 11 – Running friction force

1	2	3	4
Nominal diameter of roll [mm]	Maximum Friction Force - shaft 25 and 30 mm	Maximum Friction Force - shaft 35 mm	Maximum Friction Force - 40 mm
100	3.0		
125	2.8		
150 to 180	2.7	4.2	4.6

Adjustment for ball size and amount of grease = 1 N

Also agreed that SANS 1313-3 Clause 5.4 Breakaway mass is replaced as follows

When a roll is tested in accordance with 7.9, the breakaway mass shall not exceed

Series 25	250 g
Series 30	250 g
Series 35	300 g
Series 40	340 g

2013/08/22