

# ALRO Circular Slide Rules

The full company name was "All-Round" but is better known as: **ALRO**. In 1959 this Dutch company became a major supplier of plastic credit cards but they started producing their "flagship" metal cased circular slide rules in **1936**. The unique selling point of these discs was that the case doubled up as a handy desk stand. In **1953** ALRO briefly started producing plastic linear slide rules. However, the plastic chosen (Perspex™) proved too brittle. Therefore shortly after going into production ALRO abandoned the manufacture of linear slide rules. Not long after, in 1960, ALRO stopped all slide rule production.



In **2020** the *Dutch Circle for Historical Calculating Instruments* (KRING) published "THE ALRO CATALOGUE" by Otto van Poelje (ISBN/EAN: 978-90-81-550-024). In it every calculating disc, slide rule and slide chart ever made by ALRO is meticulously catalogued and photographed. Order it from the KRING website: <http://www.rekeninstrumenten.nl/ALRO/>.

This abbreviated "quick-reference" list features all the classic pre-1960 circular slide rules from the published catalogue.

Model #/name	Type	Size (cm)	Comments	ALRO Cat. #
<b>10 R</b>	Rietz	Ø 6	Duplex + other versions made for "T.K.F." & "VAN KRANENBURG"	AC-1.45a/b
<b>100 R</b>	Rietz	Ø 13	No trig scales but similar to later WeR 4	AC-1.04
<b>101</b>	Business Long-Scale	Ø 6	2 cursors	AC-1.50
<b>1010</b>	Business Long-Scale	Ø 13 Ø 19	Fixed & radical cursors 2 cursors	AC-1.17/18 AC-1.37
<b>200 R</b>	Rietz	Ø 13	Various versions	AC-1.05a/b/c
<b>300 D</b>	Darmstadt	Ø 13	Versions with & without P scale	AC-1.08a/b
<b>400 D</b>	Darmstadt	Ø 13 Ø 16	CI but no P scale	AC-1.09
<b>50 Ng</b>	Basic Conversion	Ø 6	Duplex printing made for Gravura cm-cicero conversion	AC-1.47
<b>50 Nmmi</b>	Basic Conversion	Ø 6	Duplex imperial inch-cm conversion	AC-1.46a

Model #/name	Type	Size (cm)	Comments	ALRO Cat. #
<b>50 Nvm</b>	Basic Conversion	Ø 6	Duplex metric feet-metre conversion	AC-1.46b
<b>500 N</b>	Basic	Ø 13		AC-1.11
<b>600 E</b>	Electro	Ø 13		AC-1.19
<b>700 H</b>	Radio Electronics	Ø 13	Possibly later (re)issued as 746	AC-1.26/27
<b>746</b>	Radio Electronics	Ø 6 Ø 13	Later versions made for "De Muiderkring"	AC-1.26/27
<b>Afd. Nomographie</b>	Leaf Springs	Ø 19	Four discs but no cursor	AC-1.38
<b>AL-RO</b>	Basic	Ø 13	Early "pre-production"	AC-1.01
<b>ALRO-PATENT</b>	Basic	Ø 13	Early "pre-production"	AC-1.02
<b>Azimuth</b>	Astro Navigation	Ø 14	Duplex with no cursor	AC-1.31
<b>BOB3</b>	Reinforced Concrete	Ø 13	Versions with & without scale for extra strong cement	AC-1.22
<b>Brouhon</b>	Timber	Ø 13		AC-1.24
<b>Chem</b>	Chemical	Ø 13	For stoichiometry/ratio of mass calculations	AC-1.23
<b>CYCLOOP</b>	Medical	Ø 10	Duplex made for KIPP for determining O <sup>2</sup> saturation in blood	AC-1.48
<b>DECIBEL</b>	Radio Electronics	Ø 6 Ø 8 Ø 12	Duplex made for Philips Telecommunications Duplex made for PTT Duplex made for PTT	AC-1.42/43/44
<b>Go.A</b>	Sea/Air Navigation	Ø 13	Smaller version of KLM SYST ALRO	AC-1.10
<b>Ha.A2</b>	Basic Retail	Ø 13	Identical to 500 N but larger font size	AC-1.12
<b>Ha.V</b>	Retail	Ø 13	Version of Ha.A2 with CI replacing C scale	AC-1.13
<b>HaTex</b>	Textile Conversion	Ø 13	Later versions with UK pre-decimal £sd currency conversion	AC-1.14/15/16
<b>KLINISCHE REKENCIRKEL</b>	Medical Conversion	Ø 12 Ø 19	Duplex	AC-1.39
<b>KLM SYST ALRO</b>	Sea/Air Navigation	Ø 16	Larger version of Go.A	AC-1.35

Model #/name	Type	Size (cm)	Comments	ALRO Cat. #
<b>Militaire Rekenschijf</b>	Artillery	Ø 13	Versions with & without leather belt pouch + metal cased version	AC-1.32/33
<b>Ned. Octr. Aangevr.</b>	Rietz	Ø 13	Early "pre-production"	AC-1.03
<b>Piret</b>	Machining	Ø 13	For wire drawing	AC-1.25
<b>REKENSCHIJF</b>	Basic Demo	Ø 70	Wall hanging	AC-1.52
<b>SHELL VISCOKLOK</b>	Petroleum	Ø 19	For viscosity of oils + 2 radial cursors	AC-1.40
<b>Stijging % Snelheid</b>	Pulling Power	Ø 13	For determining Heavy Goods Vehicle tyre sizes	AC-1.20
<b>Van Leer</b>	Optics	Ø 14		AC-1.36
<b>Vonderlingenplaat</b>	Agricultural	Ø 13	For chemical crop spraying by farmers or market gardeners	AC-1.21
<b>WeR 4</b>	Rietz	Ø 13	Early version of 100 R without trig scales	AC-1.06
<b>WeR2 5</b>	Rietz	Ø 13	Later version of WeR 4 without trig scales	AC-1.07