

MADE IN GERMANY

*Linhof*

# TECHNIKARDAN S SYSTEM

23 | 45



# TECHNIKARDAN S

23 and 45

**THE BASIC IDEA:** A universal view camera system. Low weight, minimum dimensions for easy transport.

**THE CHALLENGE:** A camera up to the king size of 4 x 5 in. for the discriminating photographer creating images far away from every days pictures.

**THE ANSWER:** A synthesis of the classic drop-bed camera and the principle of the optical bench. This means extreme extensions for close-up photography or long focal lengths without conversions.

Extremely compact dimensions. The precision engineering permits an easy and quick change from transport position to taking position by turning the lens and film standards.

**THE RESULT:** Perfect images even when travelling without bulky luggage. Work on location for extremely demanding creative pictures. Full perspective control. Definition of depth of field. The Technikardan: Simply the ideal travel view camera for architecture, landscape and conceptional photography.



The Linhof Technikardan S is available for the two formats 2x3 and 4x5 in. Above: Technikardan S 4x5 in. with multi-format groundglass.





THE UNIVERSAL SYSTEM: LOW WEIGHT, COMPACT, YOUR IDEAL TRAVEL COMPANION

# TECHNIKARDAN S

23 and 45



Transportposition TK 23  
Minimum dimensions  
thanks to patented method  
of turning standards

Interchangeable bellows  
Normal bellows can be  
exchanged against wide  
angle bellows for shortest  
focal lengths

International back 4x5 in.  
for a wide range  
of system accessories.  
Film formats 6x7 cm  
to 4x5 in. including  
digital backs  
can be used

Spirit level for  
exact image control

Interchangeable lenses  
mounted on Technika lensboards  
35 – 400 mm focal lengths

Locking lever for  
extremely firm positioning

Disengageable zero clickstops  
at panorama swing for fast and  
exact adjustments



Disengageable  
zero clickstops  
at horizontal swings

Large direct  
parallel adjustments

L-shaped standard for large horizontal  
and vertical parallel adjustments

Telescope rail system of the optical bench  
for fast extensions up to 485 mm

# COMPACT & FLEXIBLE



**PARALLEL SHIFTS.**

Long direct parallel movements for avoiding converging lines in architectural and interior work.

**SCHEIMPFLUG.**

By precise movements of the lens and rear standard for Scheimpflug depth-of-field adjustments a sharp image of an angled subject is obtained without stopping the lens down.

**YAW FREE.**

Extreme and totally yaw free indirect displacements are possible by turning the entire camera sideways by 90 degrees thanks to the low weight of the camera.

**EXTREME DISPLACEMENTS.**

Omnidirectional movements far beyond the limits of the image circle of lenses used. 10 heavy duty hardened steel levers guarantee precise lockings.



Whether digital or analogue with classical film:

The individually elaborated image is coming back.

The photographer and his creativity defines the picture.

The all metal precise Linhof Technikardan cameras offer all adjustment facilities.

Both types, Technikardan 23 and Technikardan 45 are surprisingly light but extremely stable whenever adjusted.

They are fast: opening and closing the camera simply require three steps.

They are precise: Disengageable zero-clickstops for swings and tilts assure positive zero settings.

They are compact:

The ingenious design of the patented concept of the rotating standards allows to fold the camera to extremely compact dimensions.



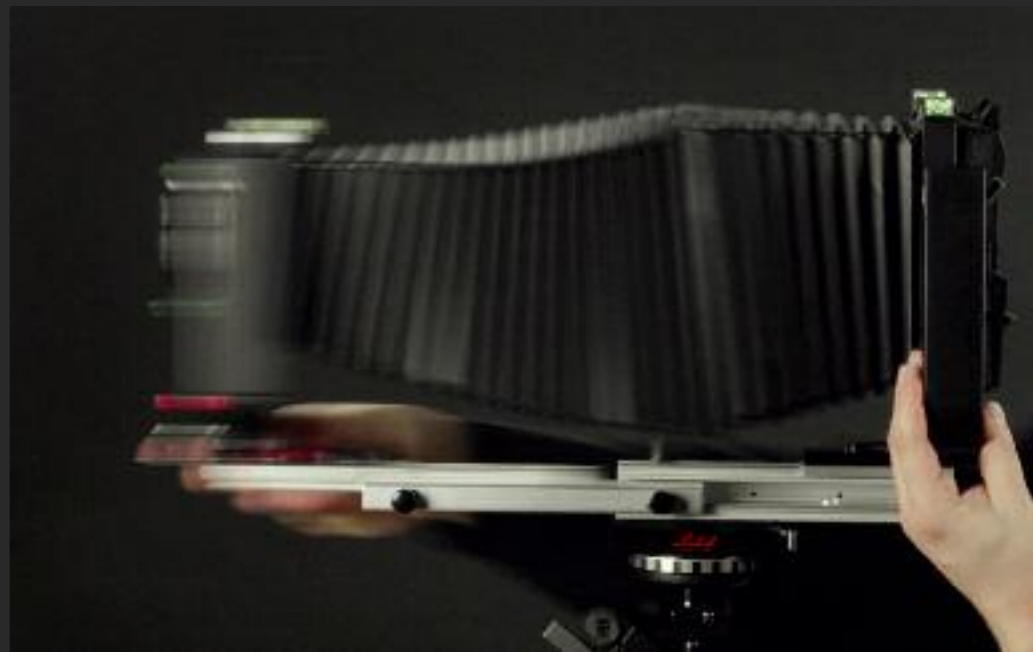
**SUPER WIDE.**

Full wide-angle capability and camera movements even with extremely short lenses f 35 mm. Ideal for rollfilm use.



**MULTI PROFILE TELESCOPE.**

Triple extension base for extensions up to 485 mm (Technikardan 45). Additional tele/macro support rail for TK 23 and TK 45 provides total freedom from vibration even with extreme bellows draw and heavier tele lenses.



# DIGITAL FREEDOM



*Lens rise for avoiding converging lines in architecture and studio work.*



*The Technikardan S 23 with Digi-Adapter and studio-independent digital back. A really professional but light-weight outdoor equipment.*

The light weight Linhof Technikardan 23 is the perfect digital outdoor view camera when equipped with a studio-independent digital back. Working on location with all possibilities of creative imaging. Wide angle and shifting enlarge the use of digital view camera imaging up to architectural photography. The Digi-Adapter is available for TK 23 and TK 45. Various groundglass masks indicate the different chip formats – 24x36 mm, 37x37 mm or 4x5 cm.



*Photography: [www.ansgarpudenz.com](http://www.ansgarpudenz.com)*

# TK SYSTEM ACCESSORIES INDOOR & OUTDOOR

Photography: Barbara Wolff

Technikardan 23 and Technikardan 45 are fully integrated in the Linhof system. Practically all accessories including lenses can be combined with Linhof Super Technika 23 and Master Technika 45. Linhof rollfilm backs are available for different formats: 6x7 cm / 2 1/4 x 2 3/4 in., 6x9 cm / 2 1/4 x 3 1/4 in. and panorama format 6x12 cm / 2 1/4 x 4 3/4 in.



For further accessories such as tripods and tripod heads please refer to the Linhof Product Listing

- |   |  |   |   |
|---|--|---|---|
| <b>1</b> <b>TECHNIKARDAN S 23</b><br>(without lens) 000107              | <b>16</b> <b>TECHNIKARDAN S 45</b><br>(without lens) 000108                | <b>30</b> Standard Double Cutfilm<br>Holder 4x5 021479  | <b>41</b> Quickfix II Adapter Plate (spare) 003877              |
| <b>2</b> Tele/Macro Bracket for TK 23 002740                            | <b>17</b> Tele/Macro Bracket for TK 45 002741                              | <b>31</b> Polaroid Film-pack Holder 550 021477  | <b>42</b> 3-Way Levelling Head I 003663                         |
| <b>3</b> TK Wide-Angle Bellows 23 002724                                | <b>18</b> TK Wide-Angle Bellows 45 002723                                  | <b>32</b> Polaroid Film-pack Holder 405 021471  | <b>43</b> Linhof Focusing Cloth with<br>embroidered logo 022620 |
| <b>4</b> Hasselblad Digi Adapter 23 001565                              | <b>19</b> Hasselblad Digi Adapter for<br>Internat. Universal Back 001693   | <b>33</b> Polaroid Cutfilm Holder 545 Pro 021458  | <b>44</b> TK Aluminium Case 022481                              |
| <b>5</b> Groundglass Masks 24x36,<br>37x37 a. 4x5 cm for Digi Adapter   | <b>20</b> Groundglass Masks 24x36,<br>37x37 a. 4x5 cm for Digi Adapter     | <b>General Accessories</b>  |   |
| <b>6</b> Fresnel Screen 23 002566                                       | <b>21</b> Fresnel Screen 45 002522   | <b>34</b> TK Compendium 23/45 001931  |   |
| <b>7</b> Basic Lighthood 23 001611                                      | <b>22</b> Right Angle Reflex Attachment 45 002628                          | <b>35</b> Accessories for 001931:<br>Filter Holder for M 95x1<br>screw-in and 10x10 cm<br>Gelatine Filters 001933 |   |
| <b>8</b> Magnifier Adapter for Basic<br>Lighthood 23 002757             | <b>23</b> Folding Focusing Hood 45<br>(metric/feet table) 001612           | <b>36</b> Vignetting Mask Holder incl.<br>4 Masks 001932  |   |
| <b>9</b> Adapter f. Arca Suisse Bino Tupe 001684                        | <b>24</b> Focus Metering Bellows 45 002503                                 | <b>37</b> Magnifier 10x, Schneider 022616   |   |
| <b>10</b> Right Angle Reflex Attachment 002629                          | <b>25</b> Format 6x9 cm 001523   | <b>38</b> Profi cable release<br>700 mm/23.5 in 022767  |   |
| <b>11</b> Folding Focusing Hood 23/met. 001613                          | <b>26</b> Format 6x7 cm 001459   | <b>39</b> TK lenses supplied in Copal<br>shutters mounted on flat and<br>recessed Technika 45 lensboards          |   |
| <b>12</b> Focus Metering Bellows 23 002504                              | <b>27</b> Techno Rollex Back 45<br>Format 6x12 cm 001560                   | <b>40</b> Quickfix II Tripod Connector 003876   |   |
| <b>13</b> <b>Super Rollex Rollfilm Backs 23</b><br>Format 6x7 cm 001460 | <b>28</b> Rapid Rollex 45 slide-in rollfilm<br>holder Format 6x7 cm 001567 |   |   |
| Format 6x9 cm 001524  | <b>29</b> Astra Double Cutfilm Holder 4x5 021480                           |   |   |
| <b>14</b> Rapid Rollex 23 Slide-In<br>Rollfilm Holder 001566            |  |   |   |
| <b>15</b> Polaroid Film-pack Back 23 001666                             |  |   |   |



# ORDERING INFORMATION

**TECHNIKARDAN S 23** (without lens) 000107  
 Fresnel Screen 23 002566  
 TK Wide-Angle Bellows 23 002724  
 Tele/Macro Bracket for TK 23 002740  
 Folding Focusing Hood 23 (metrical) 001613  
 Right Angle Reflex Attachment 23 002629  
 Focus Metering Bellows 23 002504  
 Basic Lighthood 23 001611  
 Magnifier Viewing System for Basic Lighthood 23 002757  
 TK Compendium 23/45 001931  
 Accessories for 001931: Filter Holder for 95x1  
 screw-in and 10x10 cm Gelatine Filters 001933  
 Vignetting Mask Holder incl. 4 Masks 001932

**SUPER ROLLEX ROLLFILM BACKS 23**  
 – Format 6x7 cm / 2 1/4 x 2 3/4 – 10 exp./ film 120 001460  
 – Format 6x9 cm / 2 1/4 x 3 1/4 – 8 exp./ film 120 001524

**RAPID ROLLEX 23 SLIDE-IN ROLLFILM HOLDER**  
 – Format 6 x 12 cm / 2 1/4 x 4 3/4 in.  
 10 Exposures on Rollfilm 120 001566

**POLAROID Filmpack Back 23**  
 – 10 Exposures 73 x 85 mm 001666

**TK ALUMINIUM CASE 23** 022474

**FOR DIGITAL BACKS**  
 Hasselblad Digi-Adapter 23 001565  
 Groundglass Mask 23 / 24x36 mm 001647  
 Groundglass Mask 23 / 37x37 mm 001648  
 Groundglass Mask 23 / 4x5 cm 001649

TECHNICAL DATA	TK 23	TK 45
Overall camera size		
Length	125 mm	125 mm
Width	165 mm	215 mm
Height	210 mm	255 mm
Weight camera without lens	2800 g	3000 g
Maxim. camera extension (lens to film plane)	340 mm	485 mm
Minimum camera extension with wide angle bellows	48 mm	70 mm
Direct parallel shifts		
Front - up / down	50 mm up	50 / 20 mm
Rear - up / down	50 mm up	50 mm up
Direct lateral shifts		
Front - left / right	31 / 25 mm	55 / 20 mm
Rear - left / right	31 / 25 mm	55 / 50 mm
Central horizontal-axis tilt	Limited only by bellows reference scales $\bar{I}$ 10°	
Lens tilt - front		
Screen tilt - rear		
Vertical axis swing of front / rear standard	360°, reference scales $\bar{I}$ 15° front and rear	

**TECHNIKARDAN S 45** (without lens) 000108  
 Fresnel Screen 45 002522  
 TK Wide-Angle Bellows 45 002723  
 Tele/Macro Bracket for TK 45 002741  
 Folding Focusing Hood 45 (metric/feet table) 001612  
 Right Angle Reflex Attachment 45 002628  
 Focus Metering Bellows 45 002503  
 TK Compendium 23/45 001931  
 Accessories for 001931: Filter Holder for M 95x1  
 screw-in and 10x10 cm Gelatine Filters 001933  
 Vignetting Mask Holder incl. 4 Masks 001932  
 Astra Double Cutfilm Holder 4x5 021480  
 Standard Double Cutfilm Holder 4x5 021479

**SUPER ROLLEX BACKS 45**  
 – Format 6x7 cm / 2 1/4 x 2 3/4 – 10 exp./ film 120 001459  
 – Format 6x9 cm / 2 1/4 x 3 1/4 – 8 exp./ film 120 001523

**RAPID ROLLEX 45 SLIDE-IN ROLLFILM HOLDER**  
 – Format 6x7 cm / 2 1/4 x 2 3/4 – 10 exp./ film 120 001567

**TECHNO ROLLEX BACK 45**  
 – Format 6x12 cm / 2 1/4 x 4 3/4 – 6 exp./ film 120 001560  
 Techno Rollex Base Plate 220  
 – 12 Exposures / film 220 001562

**POLAROID Filmpack Holder 405** 021471  
 Polaroid Filmpack Holder 550 021477  
 Polaroid Cutfilm Holder 545 Pro 021458

**TK ALUMINIUM CASE 45** 022481

**FOR DIGITAL BACKS**  
 Hasselblad Digi Adapter for Internat. Universal Back 001693  
 Groundglass Mask 45 / 24x36 mm 001644  
 Groundglass Mask 45 / 37x37 mm 001645  
 Groundglass Mask 45 / 4x5 cm 001646

**GENERAL ACCESSORIES**  
 3-Way Levelling Head I 003663  
 Quickfix II Tripod Connector 003876  
 Magnifier 10x, Schneider 022616  
 Profi Cable Release 700 mm / 23.5 in. 022767  
 Linhof Focusing Cloth with embroidered logo 022620

**TECHNIKARDAN LENSES**  
 All TK lenses are supplied in Copal shutters mounted on Technika 45 lensboards. Same size for 6x9 and 4x5 in. Recommended lens combinations:

FORMAT	23	45
Extreme wide-angle	35/38 mm	35/38/45/47/58 mm
Wide-angle	58/65 mm	72/90 mm
Standard	100/135 mm	150 mm
Long focus	180/210 mm	210/240 mm
Tele	250 mm	360/400 mm

