



The safety expert

Protection

Quality

Reliability

in your working environment



# Height-safety devices

## IKAR specific product information

IKAR height-safety devices in accordance with DIN EN 360 are produced for maximum durability using outstanding technology for the demanding conditions of the workplace. All the components important for the device functioning are made from rustproof material, aluminum or stainless steel and shockproof plastic. This sturdy method of construction ensures that IKAR height-safety devices are always reliable in use and especially low-maintenance.

The IKAR height-safety device is similar to a car safety belt in the way it functions. A restoring spring keeps the rope or polyamide strap (depending on the model) taught allowing it to respond immediately in the event of a fall without a slack rope.

If the working speed (approx. 1.5 m/sec.) is exceeded, the catches which activate the brake system lock into place as a result of centrifugal forces. The fall absorption required for the height-safety devices is attained via a new type of brake system (disk brake) which can only be set from the inside.

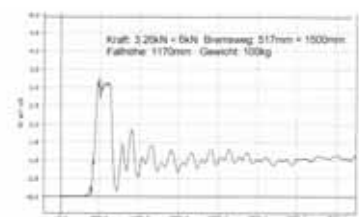


Brake values, which you can see on the brake diagram opposite, are independent of any weather situation or application and far below the 6 kN limit specified by the DIN EN standard.

All IKAR height-safety devices are constructed according to DIN EN 360 and have the requisite test approvals (CE 0299). Our products enjoy sales throughout the world.

IKAR height-safety devices are used when working on high buildings, chimneys, roofs and at other workplaces involving a fall hazard. We also provide solutions for safety-relevant and problematic work areas (e.g. silos, shafts).

**IKAR height-safety devices function in every situation.**





# Height-safety Devices

**IKAR flexible** as per DIN EN 360

Housing design: Plastic or aluminium  
Connecting device: Harness strap or galvanized steep rope

Sturdy, low-maintenance height-safety device with harness strap type HW or galvanized steel rope, low weight thanks to extra light plastic housing but also with aluminium housing and rotational hook suspension. The rotational hook prevents the strap or rope from twisting.

For suitable connecting elements (with surcharge), see Page 14



Type Order no.	Connecting device	Housing	Weight	Dimensions (mm)	Carabiner hook (mm)
41-HWB 2	2.00 m Band	Aluminium	0.8 kg	240 x 84 x 61	140
41-HWB 2,5	2.50 m Band	Aluminium	1.2 kg	315 x 123 x 75	140
41-HWB 3,5	3.50 m Band	Aluminium	1.4 kg	315 x 123 x 75	140
41-HWPB 3,5	3.50 m Band	Plastic	1.2 kg	326 x 104 x 78	140
41-HWPB 5,5	5.50 m Band	Plastic	2.5 kg	300 x 130 x 77	140
41-HWPB 7	7.00 m Band	Plastic	2.3 kg	300 x 145 x 81	140
41-HWPB 9	9.00 m Band	Plastic	2.4 kg	335 x 167 x 87	140
41-HWPB 12	12.00 m Band	Plastic	3.4 kg	370 x 195 x 95	140
41-HWPB 15	15.00 m Band	Plastic	5.3 kg	400 x 195 x 95	140
41-HWS 4,5	4.50 m Rope	Aluminium	2.7 kg	400 x 130 x 77	140
41-HWS 6	6.00 m Rope	Aluminium	3.0 kg	400 x 145 x 81	140
41-HWS 9	9.00 m Rope	Aluminium	3.7 kg	455 x 160 x 85	140
41-HWS 12	12.00 m Rope	Aluminium	5.4 kg	490 x 190 x 95	140
41-HWS 18	18.00 m Rope	Aluminium	6.9 kg	540 x 220 x 97	140
41-HWS 24	24.00 m Rope	Aluminium	8.4 kg	575 x 250 x 97	140
41-HWPS 3	3.00 m Rope	Plastic	1.9 kg	390 x 104 x 78	140
41-HWPS 4,5	4.50 m Rope	Plastic	2.1 kg	400 x 130 x 77	140
41-HWPS 6	6.00 m Rope	Plastic	2.7 kg	420 x 146 x 80	140
41-HWPS 9	9.00 m Rope	Plastic	3.2 kg	460 x 168 x 88	140
41-HWPS 12	12.00 m Rope	Plastic	4.9 kg	500 x 195 x 95	140
41-HWPS 18	18.00 m Rope	Plastic	6.3 kg	540 x 220 x 97	140
41-HWPS 24	24.00 m Rope	Plastic	7.3 kg	570 x 250 x 95	140

## Explanation for the device names

H = Height-safety device  
W = Rotational hook suspension  
S = Galvanized steel rope  
B = Harness strap  
P = Plastic housing  
Number = Length of the retractable connecting element

Example:

HWB 2.5 means: Height-safety device with rotational device and strap, length of the harness strap 2.5 m

# Height-safety Devices

**IKAR robusto** as per DIN EN 360

Housing design: Plastic or aluminum  
Connecting device: Harness strap or galvanized steep rope

Sturdy, low-maintenance height-safety device with galvanized steel rope or reinforced harness strap type H as retractable connecting element. Version with aluminum housing or plastic housing, approved for vertical and horizontal work.



Type Order no.	Connecting device	Housing	Weight	Dimensions (mm)	Carabiner hook (mm)
41-H 12	12.00 m Rope	Aluminium	8.6 kg	450 x 195 x 90	170
41-H 18	18.00 m Rope	Aluminium	9.0 kg	550 x 240 x 100	170
41-H 24	24.00 m Rope	Aluminium	17.8 kg	630 x 275 x 110	170
41-H 33	30.00 m Rope	Aluminium	19.0 kg	640 x 320 x 120	170
41-H 42	42.00 m Rope	Aluminium	26.8 kg	750 x 370 x 120	170
41-H 60	60.00 m Rope	Aluminium	38.0 kg	780 x 390 x 150	170
41-HPB 7	7.00 m Band	Plastic	4.0 kg	370 x 195 x 100	170
41-HPB 14	12.00 m Band	Plastic	7.0 kg	550 x 240 x 100	170
41-HPS 5	5.00 m Rope	Plastic	2.6 kg	430 x 150 x 91	170
41-HPS 6	6.00 m Rope	Plastic	2.8 kg	430 x 150 x 91	170
41-HPS 12	12.00 m Rope	Plastic	4.0 kg	470 x 190 x 114	170
41-HPS 18	18.00 m Rope	Plastic	6.7 kg	540 x 225 x 96	170

## Explanation for the device names

H = Height-safety device  
W = Rotational hook suspension  
S = Galvanized steel rope  
B = Harness strap  
P = Plastic housing  
Number = Length of the retractable connecting element

Example: HPS 12 means: Height-safety device, plastic housing and rope, length of the rope 12 meters

## IKAR connecting elements



Pipe hook RH 60 with hand ball operation  
as per DIN EN 362  
Load bearing capacity 22 kN  
Weight approx. 220 gram  
Order no. 41 - Z12  
Surcharge for device: 8,- €  
Order no. RH 60  
Individual price 14.32 €



Carabiner hook with fall indicator  
Steel version with hand-ball operation as  
per DIN EN 362  
Load bearing capacity 20 kN  
Weight approx. 350 gram  
Order no. 41 - 13K  
Surcharge for device: 8,- €



Climber carabiner hook  
Aluminum version with screw retention  
as per DIN EN 362  
Load bearing capacity 22 kN  
Weight approx. 60 gram  
Order no. LM  
Price 8.50 €

Safety always comes first



# Height-safety Devices with rescue hoisting facility

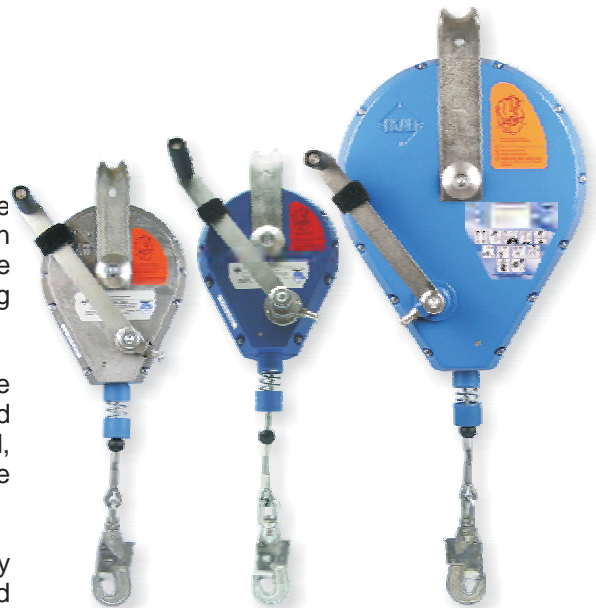
**IKAR HRA** as per DIN EN 1496

Housing design : Aluminium or plastic  
Connecting device: Galvanized steep rope

IKAR height-safety devices with rescue hoisting facility (type HRA) are equipped with a winching unit. This winching unit can easily be latched into place by a second person in a rescue situation after a fall or in the event of unconsciousness resulting from gases in shafts.

The person who has suffered the accident can therefore be rescued quickly and safely. The unit is completely closed and has no wearing parts. All parts are made from stainless steel, aluminum or shockproof plastic. Different rope lengths ensure that a suitable device is available for every application.

(Special rope lengths are possible!) IKAR height-safety devices with rescue hoisting facility have a very high standard of safety using technology which has proven its excellence throughout the world. For suitable connecting elements (with surcharge), see Page 14



Type Order no.	Connecting device	Housing	Weight	Dimensions (mm)	Carabiner hook (mm)
41-HRA 9.5	9.50 m Rope	Aluminium	7.0 kg	450 x 195 x 90	170
41-HRA 15	15.00 m Rope	Aluminium	9.5 kg	570 x 240 x 210	170
41-HRA 24	24.00 m Rope	Aluminium	15.9 kg	630 x 275 x 110	170
41-HRA 30N	30.00 m Rope	Aluminium	23.0 kg	640 x 315 x 112	170
41-HRA 42	42.00 m Rope	Aluminium	26.0 kg	740 x 370 x 260	170
41-HRA 60	60.00 m Rope	Aluminium	43.0 kg	780 x 390 x 150	170
41-HRA 15p	15.00 m Rope	Plastic	10.5 kg	620 x 231 x 152	170

#### Accessories:

41-S30 winch chain drive, available for all HRA devices

IKAR height-safety devices with rescue hoisting facility and winch chain, the unique alternative for every rescue situation. The winch chain enables easy use of the winch in the HRA device, even if the load fastening point of the device is located in a very high position. Application example: Entering shafts. The height-safety device is stationary mounted on a vehicle rendering the load fastening point very high, with the result that a rescue via a hand-crank device is not possible.



#### Explanation for the device names

H = Height-safety device  
R = Rescue hoisting device  
S = Let-down function  
P = Plastic housing  
Number = Length of the retractable connecting element

Example: HRA 15 means: Height-safety device with rescue hoisting equipment, length of the rope 15 meters



## Abseiling Devices with Free Run

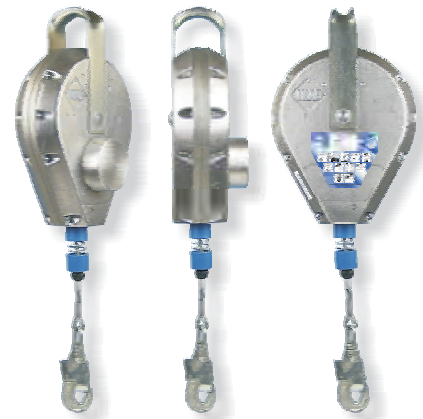
IKAR HAS as per DIN EN 341

Housing design : Aluminium  
Connecting device: Galvanized steep rope

### Abseiling with free run

This device basically functions in the same way as conventional height-safety devices, but allows the person who has suffered the accident to be lowered safely after the retaining process with a speed of approx. 0.9 m/sec.

For suitable connecting elements (with surcharge), see Page 14



Type Order no.	Connecting device	Housing	Weight	Dimensions (mm)	Carabiner hook (mm)
42-HAS 16	16.00 m Rope	Aluminium	11 kg	600 x 275 x 150	170
42-HAS 30	30.00 m Rope	Aluminium	15 kg	600 x 275 x 150	170

## Abseiling Devices

IKAR Favorit ABS 3W and Favorit ABS 3R as per DIN EN 341

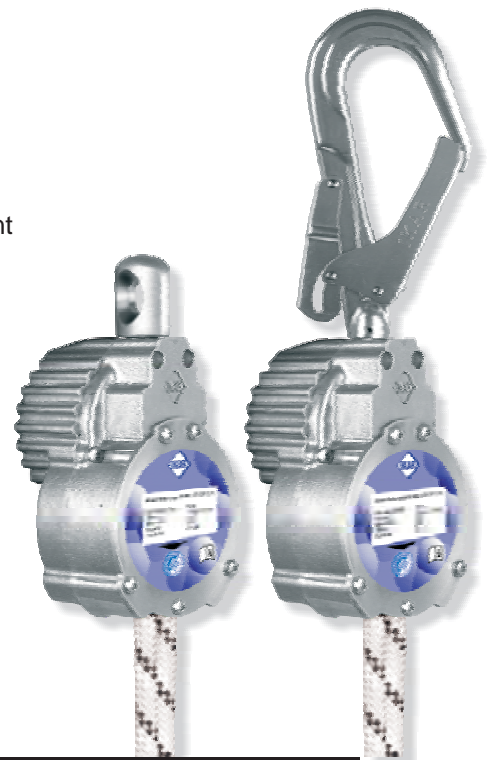
Housing design : Aluminium  
Connecting device: IKAR core casing rope Ø 10 mm

### Safely to the ground!

This abseiling device has an automatic speed regulation. The brake controlled by centrifugal forces keeps the speed of the device constant during the entire abseiling process and enables a rapid and safe rescue.

### Product features:

- High functional safety
- Innovative construction, corrosion-resistant
- Resistant to damp, heat, cold
- Optional load fastening variants (e.g. pipe hook, rotational hook)
- Abseiling speed approx. 0.9 m/sec.
- For abseiling heights up to 150 m
- Compact, stable size
- Extremely low own weight
- Does not cause undue wear or damage to the rope
- Tested for one person



Type Order no.	Suspension	Weight	Dimensions (mm)	Function
42-ABS 3W	Rotational hook	1.2 kg	160 x 90 x 70	Abseiling
42-ABS 3R	Pipe hook	1.4 kg	360 x 90 x 70	Abseiling
Order no.	Suspension	Weight	Dimensions	Function
KMS 10	Carabiner on both sides	70g/m	Ø 10 mm	Lowering abseiling

For suitable connecting elements (with surcharge), see Page 14

# Abseiling Devices with rescue hoisting facility

IKAR Favorit ABS 3WH and Favorit ABS 3RH

as per DIN EN 341/1496

Housing design: Aluminium  
Connecting device: IKAR core casing rope Ø 10 mm DIN EN 1891

## Safely to the ground!

This abseiling device has an automatic speed regulation. The brake controlled by centrifugal forces keeps the speed of the device constant during the entire abseiling and enables a rapid and safe rescue. The device is also equipped with a rescue hoisting facility using a crank wheel and a reverse lock which can latch into place.

## Product features:

- High functional safety
- Innovative construction, corrosion-resistant
- Resistant to damp, heat, cold
- Integral rescue hoisting function using a crank wheel
- Reverse lock which can latch into place
- Optional load fastening variants (e.g. pipe hook, rotational hook)
- Abseiling speed approx. 0.9 m/sec.
- For abseiling heights up to 150 m
- Compact, stable size
- Extremely low own weight
- Does not cause undue wear or damage to the rope
- Tested for one person



Type Order no.	Suspension	Weight	Dimensions (mm)	Function
42-ABS 3WH	Rotational hook	1,9 kg	200 x 200 x 120	Hoisting device
42-ABS 3RH	Pipe hook	2,1 kg	380 x 200 x 120	Hoisting device
Order no.	Suspension	Weight	Dimensions	Function
KMS 10	Carabiner on both sides	70g/m	Ø 10 mm	Lowering abseiling

For suitable connecting elements (with surcharge), see Page 14

## Application fields for abseiling devices:

- Rescuing passengers from cable cars
- For driver cabs in cranes and shelf operating devices which do not have emergency descent exits
- For workplaces at altitude in the chemicals industry
- For oil derricks of petroleum or natural gas wells
- For working on high-voltage pylons
- On buildings (high-rise buildings) if a rescue is only possible via the façade due to fire
- On telecommunications towers and masts
- Wind turbine generators
- In the chemicals and petrochemicals industry