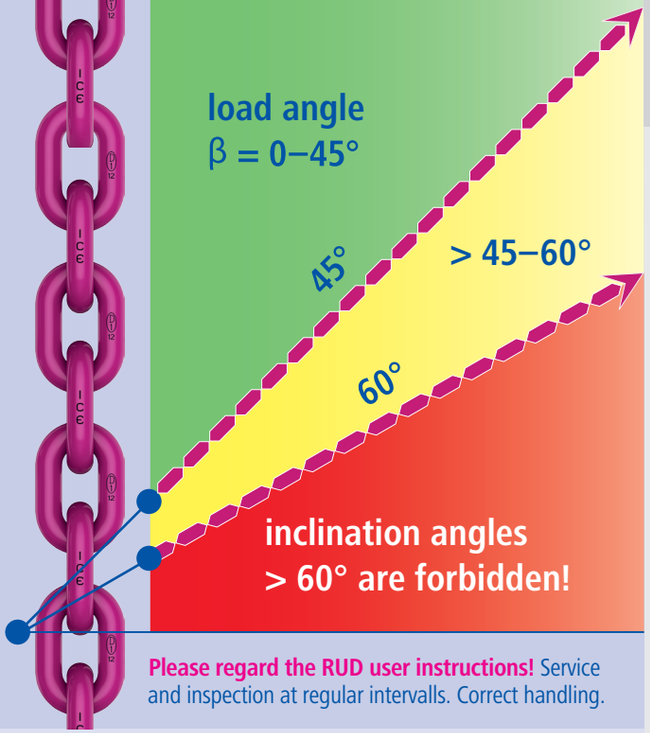


Please regard the RUD user instructions! Service and inspection at regular intervalls. Correct handling.

RUD®

RUD Ketten
Rieger & Dietz GmbH u. Co. KG
Friedensinsel
73432 Aalen / Germany
Tel. +49 7361 504-1070 / Fax. +49 7361 504-1460
sling@rud.com / www.rud.com

MADE IN GERMANY

Lifting chains – Grade 80 / 100 / 120

Working Load Limit in [t] at symmetrical load

Lifting Chains Grade 80
Lifting Chains VIP 100 Grade 100
Lifting Chains ICE 120 Grade 120

8 10 12

		1-leg	2-leg		3- and 4-leg		2 x 2-leg balancer
load angle β		0	0–45°	> 45–60°	0–45°	> 45–60°	0–45°
load factor		1	1.4	1	2.1	1.5	2.8
chain diameter	grade						
4	VIP-10	0.63	0.88	0.63	1.32	0.95	–
4	ICE-12	0.8	1.12	0.8	1.7	1.18	–
6	GK-8	1.12	1.6	1.12	2.36	1.7	3.14
6	VIP-10	1.5	2.1	1.5	3.15	2.25	4.2
6	ICE-12	1.8	2.5	1.8	3.75	2.7	5.1
8	GK-8	2	2.8	2	4.25	3	5.6
8	VIP-10	2.5	3.5	2.5	5.25	3.75	7
8	ICE-12	3	4.25	3	6.3	4.5	8.4
10	GK-8	3.15	4.25	3.15	6.7	4.75	8.82
10	VIP-10	4	5.6	4	8.4	6	11.2
10	ICE-12	5	7.1	5	10.6	7.5	14.1
13	GK-8	5.3	7.5	5.3	11.2	8	14.8
13	VIP-10	6.7	9.5	6.7	14	10	19
13	ICE-12	8	11.2	8	17	11.8	22.4
16	GK-8	8	11.2	8	17	11.8	22.4
16	VIP-10	10	14	10	21.2	15	28
16	ICE-12	12.5	17	12.5	26.5	19	35
18	GK-8	10	14	10	21.2	15	28
20	GK-8	12.5	17	12.5	26.5	19	35
20	VIP-10	16	22.4	16	33.6	24	45
22	GK-8	15	21.2	15	31.5	22.4	42
22	VIP-10	20	28	20	42	30	56
26	GK-8	21.2	30	21.2	45	31.5	59.4
28	VIP-10	31.5	45	31.5	67*	47.5*	88.2
32	GK-8	31.5	45	31.5	67	47.5	88.2

DGUV-R 100-500 (former BGR 500) chapt. 2.8: When using mutiple leg slings in an unsymmetrical lift the 1-leg WLL becomes valid. When choke hitch is applied the WLL has to be reduced by 20%!

ATTENTION! Before each use of sling chains mind the certification stamp acc. to DIN EN 818, to avoid mixing of sling chains of different quality grades and non-proved chains. Please observe user instruction!
*2 x 2 leg version.

Lifting Points – for welding

max. transport weight in [t]

VRBS-FIX / VIP Load ring FIX weldable

directions of pull…	…for 1 lifting point		…for 2 lifting point	…for 3/4 lifting point
designation	G	G	G	G
VRBS-FIX-4 t	4	4	5.6	8.4
VRBS-FIX-6.7 t	6.7	6.7	9.4	14.1
VRBS-FIX-10 t	10	10	14	21
VRBS-FIX-16 t	16	16	22.4	33.6
VRBS-FIX-31.5 t	31.5	31.5	44.1	66.2
VRBS-FIX-50 t	50	50	70	105
VRBS-FIX-100 t	100	100	140	210

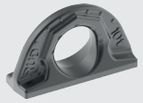
- pivots up to 180°
- no crevice corrosion: endless HY weld seam
- 100% WLL at 90° in the load ring plane possible

VRBK-FIX / VIP Load ring FIX weldable for edges

designation	G	G	G	G
VRBK-FIX-4 t	4	4	5.6	8.4
VRBK-FIX-6.7 t	6.7	6.7	9.4	14.1
VRBK-FIX-10 t	10	10	14	21
VRBK-FIX-31.5 t	31.5	31.5	44.1	66.2
VRBK-FIX-50 t	50	50	70	105
VRBK-FIX-100 t	100	100	140	210

- pivots up to 270°
- no crevice corrosion: endless HY weld seam
- Ideal for use on edges. Save up to half the number of lifting points.

ABA / Weldable lifting Point – full WLL in all directions



directions of pull…	…for 1 lifting point		…for 2 lifting point	…for 3/4 lifting point
designation	G	G	G	G
ABA-1.6 t	1.6	1.6	2.2	3.4
ABA-3.2 t	3.2	3.2	4.5	6.8
ABA-5 t	5	5	7.1	10.6
ABA-10 t	10	10	14.1	21.2
ABA-20 t	20	20	28	42
ABA-31.5 t	31.5	31.5	45	67

- forged lifting point
- clear marking of the minimum WLL
- circular fillet weld

* = At inclination angles > 45-60° the WLL must be reduced by 30 %.
ADVICE! Use 1-leg vertical transport weight at unsymmetrical load!

RUD®
Tradition in Dynamic Innovation

Load Tables

Lifting Points / Lifting Chains

Lifting Points – for bolting
max. transport weight in [t]

ICE-LBG-SR / ICE Load ring for bolting SUPER ROTATION

directions of pull… / designation thread size	…for 1 lifting point G	…for 1 lifting point G β	…for 2 lifting point G β ≤45° *	…for 3/4 lifting point G β ≤45° *
ICE-LBG-SR 0.6 t M8	0.6	0.6	0.8	1.2
ICE-LBG-SR 0.9 t M10	0.9	0.9	1.2	1.9
ICE-LBG-SR 1.35 t M12	1.35	1.35	1.9	2,8
ICE-LBG-SR 2.5 t M16	2.5	2.5	3.5	5.3
ICE-LBG-SR 3.5 t M20	3.5	3.5	4.9	7.4
ICE-LBG-SR 4.5 t M24	4.5	4.5	6.3	9.5
ICE-LBG-SR 6.7 t M30	6.7	6.7	9.4	14.2

* = At inclination angles > 45-60° the WLL must be reduced by 30 %.
ADVICE! Use 1-leg vertical transport weight at unsymmetrical load!

- ICE-Bolt made out of patented steel
- double SR ball bearing, rotating 360° under load
- swivelling 360°, suspension ring pivots 180°

VLBG-PLUS / VIP Load ring for bolting PLUS

directions of pull… / designation thread size	…for 1 lifting point G	…for 1 lifting point G β	…for 2 lifting point G β ≤45° *	…for 3/4 lifting point G β ≤45° *
VLBG-PLUS-0.63 t-M8	0.63	0.63	0.88	1.32
VLBG-PLUS-0.9 t-M10	0.9	0.9	1.3	1.9
VLBG-PLUS-1.35 t-M12	1.35	1.35	1.9	2.8
VLBG-1.2 t-M14	1.2	1.2	1.68	2.52
VLBG-PLUS-2 t-M16	2	2	2.8	4.2
VLBG-2 t M18	2	2	2.8	4.2
VLBG-PLUS-3.5t-M20(M22)	3.5 (2.5)	3.5 (2.5)	4.9 (3.5)	7.4 (5.25)
VLBG-PLUS-4,5t-M24(M27)	4.5 (4)	4.5 (4)	6.3 (5.6)	9.5 (8.4)
VLBG-PLUS-6,7 t-M30	6.7	6.7	9.4	14.2
VLBG-7 t-M36	7	7	9.8	14.7
VLBG-PLUS-8 t-M36	8	8	11.2	16.8
VLBG-PLUS-10 t-M42	10	10	14	21
VLBG-PLUS-15 t-M42	15	15	21	31.5
VLBG-PLUS-20 t-M48	20	20	28	42

M8–M30:
45 % higher WLL at an average

- ICE-Bolt made out of patented steel
- Lifting point pivots 360°. Suspension ring pivots 180°
- clamping springs works as a noise reduction

EXPLANATION: boltable RUD lifting points are factory-provided equipped with a RFID chip.

RUD ID System

Lifting Points – for bolting
max. transport weight in [t]

VRS / Vario eye bolt "STARPOINT"

directions of pull… / designation thread size	…for 1 lifting point G	…for 1 lifting point G β	…for 2 lifting point G β ≤45° *	…for 3/4 lifting point G β ≤45° *
VRS-0.1 t-M6	0.5	0.1	0.14	0.21
VRS-0.3 t-M8	1	0.3	0.42	0.63
VRS-0.4 t-M10	1	0.4	0.56	0.84
VRS-0.75 t-M12/M14	2	0.75	1	1.6
VRS-1.5 t-M16/M18	4	1.5	2.1	3.15
VRS-2.3 t-M20/M22	6	2.3	3.22	4.83
VRS-3.2 t-M24/M27	8	3.2	4.48	6.7
VRS-4.5 t-M30/M33	12	4.5	6.3	9.4
VRS-7 t-M36	16	7	9.8	14.7
VRS-9 t-M42	24	9	12.6	18.9
VRS-12 t-M48	32	12	16.8	25.2

- Pivoting 360°. Easy adjustment in load direction.
- ICE-Bolt made out of patented steel
- Easy-Fit star profile key

VWBG-V / VWBG / VIP Load ring for bolting -Vario

designation thread size	G	G β	G β ≤45° *	G β ≤45° *
VWBG-V-0.3 t-M8	0.6	0.3	0.42	0.63
VWBG-V-0.45 t-M10	0.9	0.45	0.63	0.94
VWBG-V-0.6 t-M12	1.2	0.6	0.84	1.26
VWBG-V-1 t-M14	2	1	1.4	2.1
VWBG-V-1.3 t-M16	2.6	1.3	1.81	2.73
VWBG-V-1.8 t-M18	3.6	1.8	2.52	3.78
VWBG-V-2 t-M20/M22	4	2	2.8	4.2
VWBG-V-3.5 t-M24/M27	7	3.5	4.9	7.35
VWBG-V-5 t-M30	10	5	7	10.5
VWBG-6 t-M33	15	6	8.4	12.6
VWBG-8 t-M36–M39	15	8	11.2	16.8
VWBG-12 t-M42–M45	17	12	16.8	25.2
VWBG-12 t-M45	18	12	16.8	25.2
VWBG-13 t-M48–M52	18	13	18.2	27.3
VWBG-14 t-M52	25	14	19.6	29.4
VWBG-16 t-M56–M62	28	16	22.4	33.6
VWBG-16 t-M64–M76	28	16	22.4	33.6
VWBG-31.5 t-M72–M76	50	31.5	44.1	66.15
VWBG-35 t-M80–M85	50	35	49	73.5
VWBG-35 t-M90–M150	50	40	56	84

- Pivoting 360°. Suspension ring pivots 230°.
- ball bearing
- patented markings (withdraw of service & load angles)

ADVICE! Special threads possible! Variable thread lengths avialable. Use 1-leg vertical transport weight at unsymmetrical load!

Lifting Points – for bolting
max. transport weight in [t]

PP-S / PowerPoint®-Star (universal connection)
PP-B / PowerPoint®-B (ring connection)
PP-VIP / PowerPoint®-VIP chain connection

directions of pull… / designation thread size	…for 1 lifting point G	…for 1 lifting point G β	…for 2 lifting point G β ≤45° *	…for 3/4 lifting point G β ≤45° *
PP-0.63 t-M12	0.63	0.63	0.88	1.32
PP-1.5 t-M16	1.5	1.5	2.1	3.15
PP-2.5 t-M20	2.5	2.5	3.5	5.25
PP-4 t-M24	4	4	5.6	8.4
PP-5 t-M30	6.7	5	7	10.5
PP-8 t-M36	10	8	11.2	16.8

ADVICE! Use 1-leg vertical transport weight at unsymmetrical load!

- Pivoting 360°. Suspension ring pivots 230°
- double ball bearing
- can be combined with most commercial lifting means

Inspection and documentation made easy!

RUD ID System

RUD-ID-POINT®

The components are equipped with the **RUD-ID-Point®** (RFID-Chip) and can be clearly identified by the distinctive chip number.

RUD-ID-READER

The robust **RUD-ID-READER** (reading devices) captures the identification number of the **RUD-ID-Point®** and transmits it to the **RUD-ID-NET®** application (online software) or optionally to your PC applications (e.g. MS Word, Excel, WordPad, SAP), etc.

RUD-ID-NET®

The expandable **RUD-ID-NET®** online application supports you with the administration & documentation of your components.

Lifting Points – for welding
max. transport weight in [t]

WPP-S / WPPH-S / PowerPoint®-Star for welding
WPP-B / WPPH-B / PowerPoint®-B (ring connect.) for welding
WPP-VIP / WPPH-VIP / PowerPoint®-VIP chain connect.

directions of pull… / designation	…for 1 lifting point G	…for 1 lifting point G β	…for 2 lifting point G β ≤45° *	…for 3/4 lifting point G β ≤45° *
WPP-0.63 t	0.63	0.63	0.88	1.32
WPP-1.5 t	1.5	1.5	2.1	3.15
WPP-2.5	2.5	2.5	3.5	5.25
WPP-4 t	4	4	5.6	8.4
WPP-5 t	6.7	5	7	10.5
WPP-8 t	10	8	11.2	16.8
WPPH-0.63 t	0.63	0.63	0.88	1.32
WPPH-1.5 t	1.5	1.5	2.1	3.15
WPPH-2.5	2.5	2.5	3.5	5.25
WPPH-4 t	4	4	5.6	8.4
WPPH-5 t	6.7	5	7	10.5
WPPH-8 t	10	8	11.2	16.8

* = At inclination angles > 45-60° the WLL must be reduced by 30 %.

WPP versions

WPPH versions

- can be combined with most commercial lifting means
- WPP: Pivoting 360°. Suspension ring pivots 230°
- WPP: double ball bearing

VLBS / VLBS-U / VIP Load ring for welding / -undetachable
LBS-RS / Load Ring weldable stainless steel

directions of pull… / designation	…for 1 lifting point G	…for 1 lifting point G β	…for 2 lifting point G β ≤45° *	…for 3/4 lifting point G β ≤45° *
VLBS / VLBS-U-1.5 t	1.5	1.5	2.1	3.15
VLBS / VLBS-U-2.5 t	2.5	2.5	3.5	5.25
VLBS / VLBS-U-4 t	4	4	5.6	8.4
VLBS / VLBS-U-6.7 t	6.7	6.7	9.5	14
VLBS / VLBS-U-10 t	10	10	14	21
VLBS-16 t	16	16	22.4	33.6
LBS-(1)-RS-0.5 t	0.5	0.5	0.7	1.05
LBS-(3)-RS-1 t	1	1	1.4	2.1
LBS-(5)-RS-2 t	2	2	2.8	4.2

- suspension ring pivots 180°
- 100 % WLL at 90° in the load ring plane possible
- suspension ring can be adjusted into required position