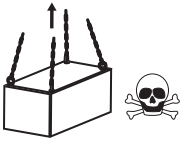
Technical information



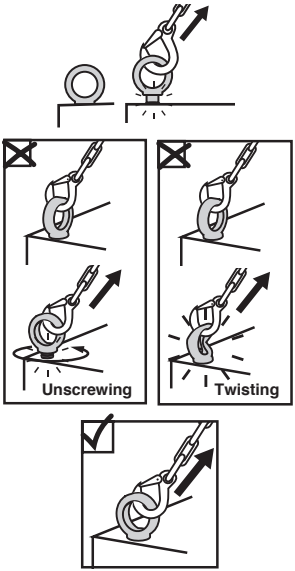


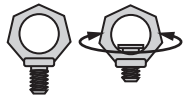
Rings made in house present a high risk of breaking, danger!



Liftin ring DIN 580/582

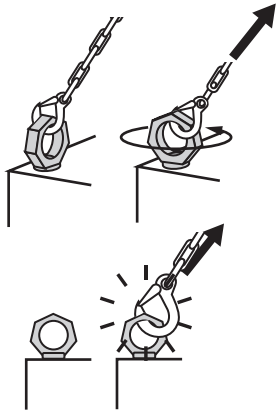
The ring must be fully screwed in and the load lifted from the correct direction or there is a high risk of breakage.





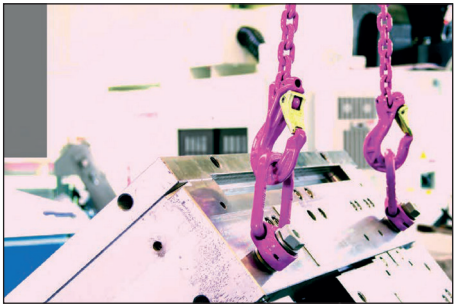
Swivelling lifting ring

Under load conditions, a swivel ring will adjust to the correction orientation and not become unscrewed.



Typical application









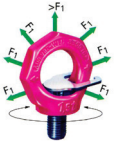


Male swivelling lifting rings

VRSF RUD®

Swivelling eye ring

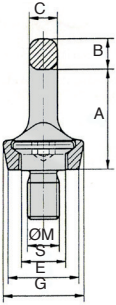
- **With its distinctive star shape, this ring is clearly distinguishable from standard DIN580 lifting rings**
- Colour : Pink epoxy powder coating, vibrant/fluorescent
- Inherently safe, required tightening torque can be achieved by hand, no torque spanner required

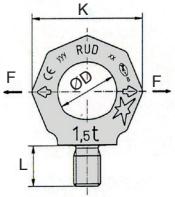


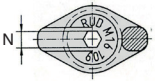
4 Suitable for lifting in any direction

Factor of safety = 4









IN STOCK*
Otherwise contact us

CE

DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	SWL	ØM	A	B	C	ØD	E	G	K	L	N	S	Weight (kg)	Price each 1 to 4
VRS-F-M6	0,10t	M6	28	9	7	20	23	28	37	9	6	13	0,07	74,85 €
VRS-F-M8	0,30t	M8	35	11	9	25	25	30	47	12	6	16,3	0,12	61,84 €
VRS-F-M10	0,40t	M10	35	11	9	25	25	30	47	15	6	16,3	0,12	61,84 €
VRS-F-M12	0,75t	M12	42	13	10	30	30	34	56	18	8	19,8	0,19	76,31 €
VRS-F-M14	0,75t	M14	42	13	10	30	30	34	56	18	8	19,8	0,22	88,05 €
VRS-F-M16	1,50t	M16	49	15	13	35	36	40	65	24	10	23,5	0,36	88,05 €
VRS-F-M18	1,50t	M18	49	15	13	35	36	40	65	24	10	23,5	0,37	103,87 €
VRS-F-M20	2,30t	M20	58	17	16	40	41	50	76	30	12	29,3	0,60	116,52 €
VRS-F-M22	2,30t	M22	58	17	16	40	41	50	76	30	12	29,3	0,62	132,85 €
VRS-F-M24	3,20t	M24	70	20	19	49	51	60	92	36	14	35	1,06	154,95 €
VRS-F-M27	3,20t	M27	70	20	19	49	51	60	92	36	14	35	1,08	180,00 €
VRS-F-M30	4,50t	M30	87	26	24	60	66	75	114	45	17	44	2,08	242,58 €

*Depending on availability - Dimensions in mm

Male swivelling lifting rings

- **Marking :** Clear indication of maximum load for the least favourable lifting direction F (not permitted for DIN 580 lifting rings) . Also the SWL in the format supplied (in lbs). Marking on the ring : RUD, model (eg : VRS), CE, H1 traceability code for ring and thread. On the thread : Dimension M, RUD and T code
- Forged from 1.6541 steel, tempered and 100% electromechanically tested for cracks according to EN 1677-1
- Manufactured in Germany, 100% tested
- **Swivelling lifting ring VRS-F**
- For installation by hand, no tools required
- **Safety coefficient 4**
  Threaded part > steel 1.0037 (acc EN 10025) or E24-2 (acc NF A 35-501). Countersink of threaded hole = nominal thread diameter. When assembling, check that the thread is fully screwed in as far as its base. The load must be in contac the full surface of the base. When assembled the VRS rin be able to rotate through 360°. The bolting surface F mu completely flat.
- Before lifting begins, adjust to the direction of lift.
- Components are patented, European patent EP 654 611
- Captive hexagonal headed screw, 100% tested for cracks the flat spanner into the hexagonal screw to tighten or l the screw by hand. Then remove the spanner.
- When tightening the screw with the spanner or an Allen apply a consistent force. Do not use an extension.



Conforms to European Directive 98/37/CE

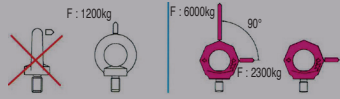



VRS-F fixed


swivelling

Comparison

DIN580-M20 type ring



VRS-F-M80

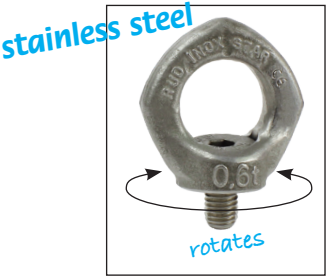
- **Attention :** DIN 580 style lifting rings must always be fully screwed in and never subjected to bending or transversal loads ! For any lifting operation using 2 or more cables, the lifting ring must be adjusted to the direction of pull.
This is only possible with the VRS which can be adjusted to any direction even when completely screwed in.
Attention: Read the instruction notice carefully.

We retain the right to modify technical information when necessary.

Male swivelling lifting rings stainless steel

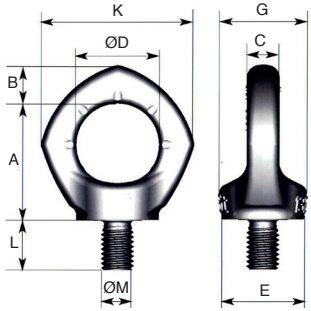
VRSss RUD Rotating eye ring

- **Distinctive pentagonal shape clearly distinguishes it from DIN 580 lifting rings**
- Material :
  Ring is forged from 1.4462 stainless steel
- Ring and screw are 100% tested for cracks
- Factor of safety 4
- Blind holes should be drilled sufficiently deep that the base of the ring touches the surface. Screw in the ring (without using any additional fittings), into the piece to be lifted so that the underside of the hexagonal screw is against the surface of the load.
- When assembling, verify that the base of the internal hexagonal screw is in contact with the surface of the load. In case of shocks or vibrations, especially when the load is carried by a screw not fully tightened, there is a severe of risk of the ring becoming unscrewed.
- When fully tightened, the ring must be able to turn through 360°
- Before lifting, adjust the lifting ring to the direction of the applied force



Info

- Special captive hexagonal screw
- Conforms to European Directive 98/37/CE
- The nominal SWL engraved on the ring is valid for pulling in all directions





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Otherwise contact us

CE

DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	SWL	ØM	A	B	C	ØD	E	G	K	L	SW	Weight (kg)	Price each 1 to 4
VRS-M12/SS	0,5t	M12	43	14	12	30	30	32	56	18	8	0,19	133,23 €
VRS-M16/SS	1t	M16	50	16	14	35	36	38	65	24	10	0,31	150,50 €
VRS-M20/SS	2t	M20	58	19	16	40	43	47	74	30	12	0,53	185,42 €
VRS-M24/SS	2,5t	M24	70	24	19	48	51	56	92	36	14	0,92	265,28 €

*Depending on availability - Dimensions in mm

Female swivelling lifting rings

Rotating eye ring

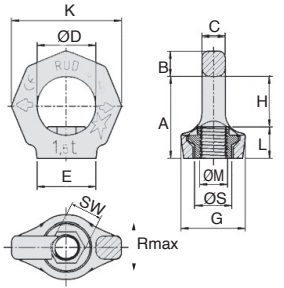
RUD® VRM



- **When considering the VRM (Female lifting ring), please also read the information on the VRS.**
- Captive nut, 100% tested for cracks
- The male thread must be in contact with 100% of the thread of the nut. During assembly verify that load is in contact with the full surface of the base of the VRM nut.
- The values of load given are only valid when the recommended male thread (category 10.9 minimum) is used.
- When fully screwed in, the ring must be able to rotate through 360°.
- **Attention**: Read the instruction notice carefully.

Info

- Conforms to European Directive 98/37/CE
- The nominal SWL engraved on the ring is valid for pulling in all directions



4 Suitable for lifting in any direction
Factor of safety = 4

IN STOCK*
Otherwise contact us

CE

DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	SWL	ØM	A	B	C	ØD	E	G	H	K	L	Rmax	ØS	SW	Weight (kg)	Price each 1 to 4
VRM-M6	0,1t	M6	28	9	7	20	23	28	17	37	11	16	13	9	0,05	93,56 €
VRM-M8	0,3t	M8	35	11	9	25	25	30	21	47	14	21	16,3	12	0,10	70,83 €
VRM-M10	0,4t	M10	35	11	9	25	25	30	21	47	14	21	16,3	12	0,10	83,80 €
VRM-M12	0,75t	M12	42	13	10	30	30	34	25	56	17	24	19,8	14	0,20	90,08 €
VRM-M16	1,5t	M16	49	15	13	35	36	40	31	65	21	30	23,6	19	0,30	115,26 €
VRM-M20	2,3t	M20	58	17	16	40	41	50	35	76	23	37	29,3	24	0,50	131,73 €
VRM-M24	3,2t	M24	70	20	19	49	51	60	41	92	29	45	35,2	30	0,90	163,70 €
VRM-M30	4,5t	M30	87	26	24	60	66	75	51	114	36	56	44	36	1,50	229,60 €

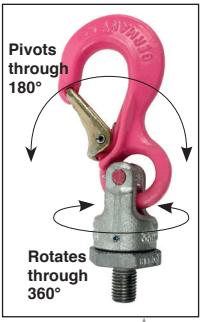
*Depending on availability - Dimensions in mm

Universal threaded lifting hook

PPS RUD

Base rotates through 360°

- ***Universal lifting hook for all applications.***
- *Suitable for use with cables, round or synthetic slings and chains*
- *Double ball bearings allows for loads to turn or tilt*
- *Visual overload indication on hook*
- *Hook and latched manufactured from forged steel and 100% crack tested*
- *Hook has a pink thermochromic finish (High visibility)*



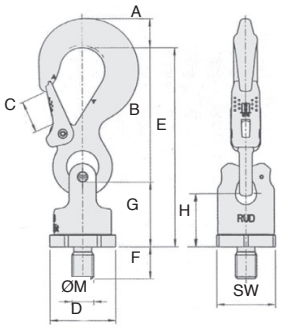
Option

- *Can be supplied with a longer thread and nut for use with a through hole or for mounting on lighter metals such as aluminium*

Info

- *Conforms to EU Directive 98/37/CE*
- *Load capacity doesn't change with load direction*





4 Suitable for lifting in any direction

Factor of safety = 4

CE

DISCOUNTS

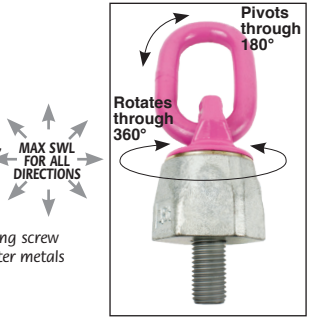
Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	Load SWL (t)	ØM	A	B	C	D	SW	F	G	E	Weight (kg)	Tightening torque (Nm)	Stock*	Price each 1 to 4
PPS-M12	0,63	M12	13	75	18	40	36	18	41	116	0,4	10	✔	172,67 €
PPS-M16	1,5	M16	20	97	25	46	41	24	50	146	0,9	30	✔	217,36 €
PPS-M20	2,5	M20	28	126	30	61	55	30	61	187	1,7	70	-	272,54 €
PPS-M24	4,0	M24	36	150	35	78	70	36	77	227	3,5	150	-	383,11 €
PPS-M30	5,0	M30	37	174	40	95	85	45	93	267	7,5	225	-	559,06 €
PPS-M36	8,0	M36	49	208	48	100	90	54	102	310	9,2	410	-	884,35 €

**Depending on availability - Dimensions in mm*

Base rotates through 360° — RUD WBGv

- ***Lifting ring for loads liable to swivel or tilt.***
- *Mounted on ball bearings*
- *Can be rotated under load*
- *Easy installation, only a tapped hole required*
- *Heavy duty lifting ring, manufactured and tested to DIN EN1677-4*
- *Surface finish: Pink epoxy powder over zinc plating*
- *Thread is 100% electromagnetically tested for cracks, CORRUD-DT coated*
- *Pivots through 180°*

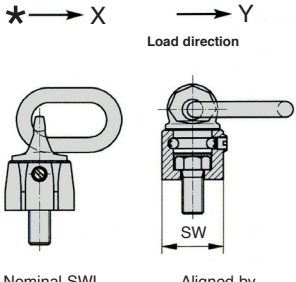


Option

- *Can be supplied with a longer thread and a mounting screw for use with a through hole or for mounting on lighter metals such as aluminium*

Info

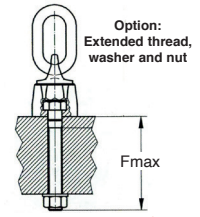
- *Conforms to EU Directive 98/37/CE*



Nominal SWL
Worst case lift direction

Aligned by hand, SWL increases

Vertical load
SWL values doubled





CE

IN STOCK*
Otherwise contact us

DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	Load SWL(t) X	Y	Z	ØM	A	B	C	D	E	F	F max.	G	SW	Weight (kg)	Price each 1 to 4
WBG-V-M8	0,3	0,4	0,6	M8	8	31	29	30	76	13	102	36	27	0,18	128,74 €
WBG-V-M10	0,45	0,6	0,9	M10	8	31	29	33,5	78	17	122	38	30	0,29	135,98 €
WBG-V-M12	0,6	0,75	1,2	M12	10	49	35	42	107	21	140	47	36	0,41	144,49 €
WBG-V-M16	1,3	1,5	2,6	M16	13	46	38	48	114	25	180	56	41	0,59	154,95 €
WBG-V-M20	2	2,5	4	M20	13	54	35	62	137	33	223	67	55	1,42	260,30 €
WBG-V-M24	3,5	4,0	7	M24	18	66	40	81	173	40	255	88	70	2,63	349,91 €
WBG-V-M30	5	6,0	10	M30	22	90	50	99	221	50	330	106	85	5,09	466,97 €

**Depending on availability - Dimensions in mm*

Rotating lifting ring

VLBG RUD® Base rotates through 360°

- **Bolt on arched lifting ring, wider opening**
- Rotates through 360° for easy alignment to lifting direction
- Clamping spring holds the suspension ring in the requested position and reduces noise
- Surface finish: Pink thermochromic coating offers hi wear/corrosion resistance
- Operating instructions: see next page



Standard

With longer thread and nut



Option

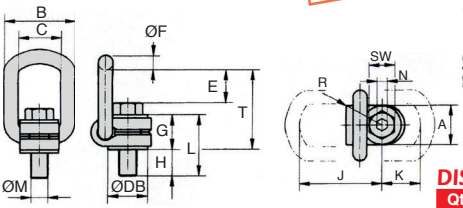
- Can be supplied with a longer thread and a mounting screw for use with a through hole or for mounting on lighter metals such as aluminium

Info.

- Conforms to machine Directive 2006/42/CE

4 Suitable for lifting in any direction
Factor of safety = 4

BG certified
EMI OFB 005151



DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	SWL (t)	A	B max.	C	E	ØF	G	H stand.	H max.	J
VLBG-M8	0,63	30	54	34	40	10	29	11	76	75
VLBG-M10	0,90	30	54	34	39	10	29	15	96	75
VLBG-M12	1,35	32	54	34	38	10	29	18	116	75
VLBG-M16	2,00	33	56	36	39	13,5	36	22	149	86
VLBG-M20	3,50	50	82	54	55	16,5	43	32	187	113
VLBG-M24	4,50	50	82	54	67	18	43	37	222	130
VLBG-M30	6,70	60	103	65	67	22,5	61	49	279	151

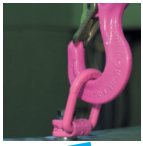
Part number	K	L stand.	L max.	ØM	N	SW	R	T	ØDB	Max torque (Nm)	Weight (kg)	Stock*	Price each 1 to 4
VLBG-M8	45	40	105	M8	5	13	32	75	24	30	0,3	✔	126,50 €
VLBG-M10	45	44	125	M10	6	17	32	75	24	60	0,32	✔	124,25 €
VLBG-M12	45	47	145	M12	8	19	32	75	26	150	0,33	✔	126,50 €
VLBG-M16	47	58	185	M16	10	24	38	85	30	150	0,55	✔	135,23 €
VLBG-M20	64	75	230	M20	12	30	48	110	45	400	1,3	✔	154,73 €
VLBG-M24	78	80	265	M24	14	36	48	125	45	760	1,5	-	166,20 €
VLBG-M30	80	110	340	M30	17	46	67	147	60	1000	3,3	-	301,99 €

*Depending on availability - Dimensions in mm

Rotating lifting ring

Base rotates through 360°

RUD® VLBG







- ***The ring, thread and nut are all certified and are 100% tested for cracks***
- *Metric versions have* ***a universal hexagonal*** *(external and internal) head that allows use of common tools.*
- ***Multiple surface coatings for increased protection:*** *the special CORRUD-DT (RUD patent) pre-coat guarantees* ***anti corrosion protection 20 times higher*** *than galvanising.*
  **except for the cut surface of any shortened threads*
- ***Screwed part "H" is threaded along entire length***
- ***Ensure that the mating surface (R) is truly flat. When fully tightened, the ring must be able to rotate through 360°.***
- ***The lifting ring should be aligned in the direction of lift and be able to move freely. It should not be any edge as a support.***
  Do not rotate the ring whilst under load.
- *Only for use by trained personnel and strictly in accordance with local lifting safety regulations.*

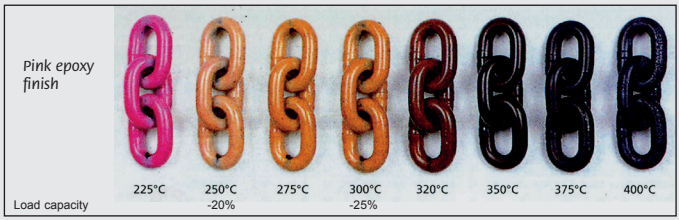


Why are RUD lifting rings "pink"?

Some RUD lifting rings have a patented pink finish. This vibrant fluorescent coating is heat sensitive and will change colour as the temperature rises.

Initially pink, as the temperature increases the colour will change to beige, then brown and finally black.

If the ring is black and there are blisters, a temperature of 400°C has been exceeded.
This implies a reduction in the carrying capacity and maximum working temperature.



Folding lifting ring, for welding

VLBS RUD®

Central anchorage

- **With positioning spring**
- 2 protective lugs improve the locating of the lifting hook and give added protection to the positioning spring. The support effect is increased (useful when load is side loaded or at 90° or when surfaces to be welded are not flat).
- Pink thermochromic powder coating, vibrant/fluorescent
- High dynamic and static resistance
- Mounting bracket is forged from steel alloy (S355J2+N) which is both strong and easy to weld.
- SWL is clearly indicated
- Ring profile conforms to the welding requirements of DIN18800 (welding instructions supplied with the product). Weld positions (closed, HV) ensure resistance to corrosion and allows the ring to be used outside.



4 Suitable for lifting in any direction

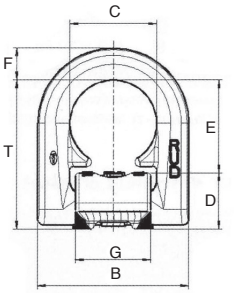
Factor of safety = 4

Advantages

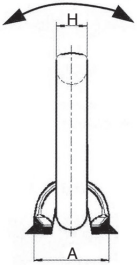
- Integrated spring greatly reduces induced noise and wear due to friction

Info

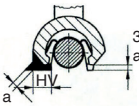
- Conforms to European Directive 98/37/CE
- The nominal SWL indicated on the ring is valid for lifting in any direction
- The ring should not be welded
- Welding to be carried out be suitably qualified personnel
- **Attention**: Read the instruction notice carefully



Pivots through 180°



BG certified



Weld positions

DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	SWL (t)	A	B	C	D	E	F	G	H	T	Weight (kg)	Weld size	Price each 1 to 4
VLBS-1	1,5	33	66	38	25	40	14	33	14	65	0,35	HV 5+ a 3	47,37 €
VLBS-2	2,5	36	77	45	27	47	16	40	14	72	0,53	HV7 + a 3	49,84 €
VLBS-4	4,0	42	87	51	31	52	18	46	16	83	0,76	HV 8 + a 3	54,12 €
VLBS-6	6,8	61	115	67	44	73	24	60	22	117	1,90	HV 12 + a 4	114,78 €
VLBS-10	10,0	75	129	67	55	71	26,5	60	26	126	2,76	HV 16 + a 4	163,70 €

Dimensions in mm

Folding lifting ring, for welding

Dual anchorage

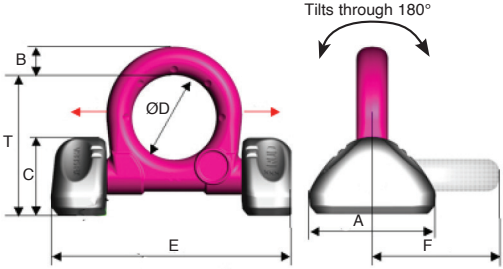
RUD VRBS

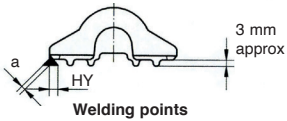
- **2 mounting points for a better distribution of applied forces**
- High dynamic and static strength
- Low profile
- SWL clearly marked
- Mounts manufactured from S355J2+N steel alloy
- Corrosion resistant epoxy coating



Info.

- Ring should not be welded
- Welding to be carried out by suitably qualified personnel
- Ring profile conforms to the welding requirements of DIN18800 (welding instructions supplied with the product)
- Position of welding positions (closed, HV) ensures corrosion resistance and renders the ring suitable for use outside.





Welding points

DISCOUNTS

Qty	1+	5+	10+	15+
Disc.	List	-3%	-6%	On request

Part number	SWL (t)	A	B	C	ØD	E	F	T	Weight (kg)	Weld side	Price each 1 to 4
VRBS-4	4,0	62	14	28	48	135	71	65	0,8	HY 4 + a 3	58,36 €
VRBS-6	6,7	88	20	39	60	170	92	84	1,6	HY 5,5 + a 3	102,56 €
VRBS-10	10,0	100	22	46	65	195	100	95	2,6	HY 6 + a 4	171,93 €
VRBS-16	16,0	130	30	57	90	263	134	127	5,53	HY 8,5 + a 3	309,46 €
VRBS-31	31,5	160	42	79	130	375	195	178	15,6	HY 18 + a 4	750,79 €

Dimensions in mm