

# USEFUL INFORMATION ON THE SAFETY OF RUD'S LIFTING POINTS.

RUD lifting points are meticulously designed to maximise safety and are rigorously tested and certified to meet the strictest regulations. Additionally, RUD provides a range of options to evaluate and ensure the continued usability of your lifting points, giving you peace of mind with every lift.

- All load-bearing parts are crack-tested or test-loaded according to EN 1677.
- In bolttable RUD lifting points, the bolts are also 100 % crack-tested.
- 4-times the safety in every loading direction.
- Low installation heights, and high dynamic and static strengths.
- Types ACP, VLBG, VLBG-PLUS, VRS, VRM, VWBG-V, PP and INOX-STAR can be adjusted in all loading directions.
- The RUD lifting points homepage facilitates the correct design of lifting points.
- RUD lifting points are designed for a max. dynamic load of 20,000 load cycles (tested at 50 % overload).
- Ask the manufacturer in case of a higher dynamic WLL.

## WLL PLUG-IN LIFTING POINTS.

| Number of strands  | 1    | 2    | 1   | 2   | 2     | 2      | 2               | 3 + 4 | 3 + 4  | 3 + 4           |
|--------------------|------|------|-----|-----|-------|--------|-----------------|-------|--------|-----------------|
| Load direction     | 0-7° | 0-7° | 90° | 90° | 0-45° | 45-60° | non-symmetrical | 0-45° | 45-60° | non-symmetrical |
| Type               |      |      |     |     |       |        |                 |       |        |                 |
| PIP-RAPIDO         |      |      |     |     |       |        |                 |       |        |                 |
| PIP-RAPIDO D30-D41 | 4.2  | 8.4  | 1   | 1   | 5.85  | 1      | 1               | 8.8   | 1      | 1               |

<sup>1</sup> Design-dependent.

Maximum transport weight "G" in [t] with different lifting methods.

PIP-RAPIDO



# WLL BOLTABLE LIFTING POINTS.

| THREAD SIZES<br>M8–M100     |             |      |      |      |      |       |        |                 |       |        |                 |
|-----------------------------|-------------|------|------|------|------|-------|--------|-----------------|-------|--------|-----------------|
| Number of strands           |             | 1    | 2    | 1    | 2    | 2     | 2      | 2               | 3 + 4 | 3 + 4  | 3 + 4           |
| Load direction              |             | 0°   | 0°   | 90°  | 90°  | 0–45° | 45–60° | non-symmetrical | 0–45° | 45–60° | non-symmetrical |
| Type                        | Thread size |      |      |      |      |       |        |                 |       |        |                 |
| <b>ACP-TURNADO</b>          |             |      |      |      |      |       |        |                 |       |        |                 |
| ACP-TURNADO-0.7t            | M8          | 0.7  | 1.4  | 0.7  | 1.4  | 0.98  | 0.7    | 0.7             | 1.47  | 1.05   | 0.7             |
| ACP-TURNADO-1t              | M10         | 1    | 2    | 1    | 2    | 1.4   | 1      | 1               | 2.1   | 1.5    | 1               |
| ACP-TURNADO-1.35t           | M12         | 1.35 | 2.7  | 1.35 | 2.7  | 1.9   | 1.35   | 1.35            | 2.84  | 2      | 1.35            |
| ACP-TURNADO-2.5t            | M16         | 2.5  | 5    | 2.5  | 5    | 3.5   | 2.5    | 2.5             | 5.25  | 3.75   | 2.5             |
| ACP-TURNADO-4t              | M20         | 4    | 8    | 4    | 8    | 5.6   | 4      | 4               | 8.4   | 6      | 4               |
| ACP-TURNADO-6.3t            | M24         | 6.3  | 12.6 | 6.3  | 12.6 | 8.8   | 6.3    | 6.3             | 13.2  | 9.45   | 6.3             |
| ACP-TURNADO-8t              | M30         | 8    | 16   | 8    | 16   | 11.2  | 8      | 8               | 17    | 12     | 8               |
| <b>ACP-TURNADO MAX</b>      |             |      |      |      |      |       |        |                 |       |        |                 |
| ACP-TURNADO-MAX-12.5t       | M36         | 15   | 30   | 12.5 | 25   | 17    | 12.5   | 12.5            | 26.5  | 19     | 12.5            |
| ACP-TURNADO-MAX-16t         | M42         | 18   | 36   | 16   | 32   | 22.4  | 16     | 16              | 33.6  | 24     | 16              |
| ACP-TURNADO-MAX-20t         | M48         | 25   | 50   | 20   | 40   | 28    | 20     | 20              | 42    | 30     | 20              |
| ACP-TURNADO-MAX-24t         | M52         | 26   | 52   | 24   | 48   | 33.6  | 24     | 24              | 50.4  | 36     | 24              |
| ACP-TURNADO-MAX-27t         | M56         | 32.5 | 65   | 27   | 54   | 38    | 27     | 27              | 57    | 40.5   | 27              |
| <b>ACP-TURNADO SUPERMAX</b> |             |      |      |      |      |       |        |                 |       |        |                 |
| ACP-TURNADO-SUPERMAX-32.5t  | M64         | 35   | 70   | 32.5 | 65   | 46    | 32.5   | 32.5            | 69    | 48.7   | 32.5            |
| ACP-TURNADO-SUPERMAX-32.5t  | M72         | 35   | 70   | 32.5 | 65   | 46    | 32.5   | 32.5            | 69    | 48.7   | 32.5            |
| ACP-TURNADO-SUPERMAX-32.5t  | M80         | 35   | 70   | 32.5 | 65   | 46    | 32.5   | 32.5            | 69    | 48.7   | 32.5            |
| ACP-TURNADO-SUPERMAX-32.5t  | M90         | 35   | 70   | 32.5 | 65   | 46    | 32.5   | 32.5            | 69    | 48.7   | 32.5            |
| ACP-TURNADO-SUPERMAX-32.5t  | M100        | 35   | 70   | 32.5 | 65   | 46    | 32.5   | 32.5            | 69    | 48.7   | 32.5            |

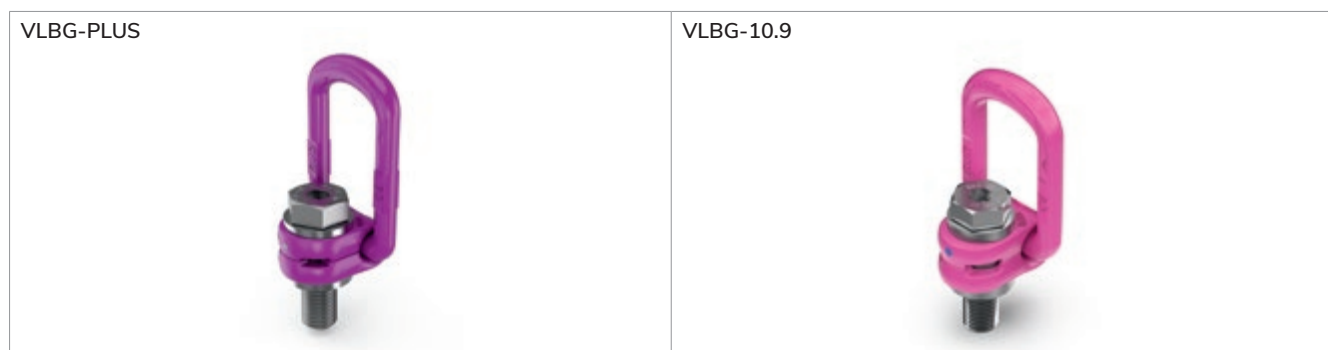
Maximum transport weight "G" in [t] with different lifting methods.



# WLL BOLTABLE LIFTING POINTS.

| THREAD SIZES<br>M8–M48 |             |      |      |      |      |       |        |                 |       |        |                 |
|------------------------|-------------|------|------|------|------|-------|--------|-----------------|-------|--------|-----------------|
| Number of strands      |             | 1    | 2    | 1    | 2    | 2     | 2      | 2               | 3 + 4 | 3 + 4  | 3 + 4           |
| Load direction         |             | 0°   | 0°   | 90°  | 90°  | 0–45° | 45–60° | non-symmetrical | 0–45° | 45–60° | non-symmetrical |
| Type                   | Thread size |      |      |      |      |       |        |                 |       |        |                 |
| <b>VLBG-PLUS</b>       |             |      |      |      |      |       |        |                 |       |        |                 |
| VLBG-PLUS-0.63t        | M8          | 0.63 | 1.26 | 0.63 | 1.26 | 0.88  | 0.63   | 0.63            | 1.32  | 0.95   | 0.63            |
| VLBG-PLUS-0.9t         | M10         | 0.9  | 1.8  | 0.9  | 1.8  | 1.3   | 0.9    | 0.9             | 1.9   | 1.35   | 0.9             |
| VLBG-PLUS-1.35t        | M12         | 1.35 | 2.7  | 1.35 | 2.7  | 1.9   | 1.35   | 1.35            | 2.84  | 2      | 1.35            |
| VLBG-PLUS-2t           | M16         | 2    | 4    | 2    | 4    | 2.8   | 2      | 2               | 4.25  | 3      | 2               |
| VLBG-PLUS-3.5t         | M20         | 3.5  | 7    | 3.5  | 7    | 4.9   | 3.5    | 3.5             | 7.35  | 5.25   | 3.5             |
| VLBG-PLUS-4.5t         | M24         | 4.5  | 9    | 4.5  | 9    | 6.3   | 4.5    | 4.5             | 9.5   | 6.75   | 4.5             |
| VLBG-PLUS-6.7t         | M30         | 6.7  | 13.4 | 6.7  | 13.4 | 9.5   | 6.7    | 6.7             | 14.1  | 10     | 6.7             |
| VLBG-PLUS-7t           | M36         | 7    | 14   | 7    | 14   | 9.8   | 7      | 7               | 14.7  | 10.5   | 7               |
| VLBG-PLUS-8t           | M36         | 8    | 16   | 8    | 16   | 11.2  | 8      | 8               | 17    | 11.8   | 8               |
| VLBG-PLUS-10t          | M42         | 10   | 20   | 10   | 20   | 14    | 10     | 10              | 21.2  | 15     | 10              |
| VLBG-PLUS-15t          | M42         | 15   | 30   | 15   | 30   | 21.2  | 15     | 15              | 31.5  | 22.4   | 15              |
| VLBG-PLUS-20t          | M48         | 20   | 40   | 20   | 40   | 28    | 20     | 20              | 42    | 30     | 20              |
| <b>VLBG-10.9</b>       |             |      |      |      |      |       |        |                 |       |        |                 |
| VLBG-10.9-0.3t         | M8          | 0.3  | 0.6  | 0.3  | 0.6  | 0.42  | 0.3    | 0.3             | 0.63  | 0.45   | 0.3             |
| VLBG-10.9-0.63t        | M10         | 0.63 | 1.26 | 0.63 | 1.26 | 0.88  | 0.63   | 0.63            | 1.32  | 0.95   | 0.63            |
| VLBG-10.9-1t           | M12         | 1    | 2    | 1    | 2    | 1.4   | 1      | 1               | 2.1   | 1.5    | 1               |
| VLBG-10.9-1.5t         | M16         | 1.5  | 3    | 1.5  | 3    | 2.1   | 1.5    | 1.5             | 3.15  | 2.25   | 1.5             |
| VLBG-10.9-2.5t         | M20         | 2.5  | 5    | 2.5  | 5    | 3.5   | 2.5    | 2.5             | 5.25  | 3.75   | 2.5             |
| VLBG-10.9-4t           | M24         | 4    | 8    | 4    | 8    | 5.6   | 4      | 4               | 8.4   | 6      | 4               |

Maximum transport weight "G" in [t] with different lifting methods.



# WLL BOLTABLE LIFTING POINTS.

| THREAD SIZES<br>M8–M150 |             |     |     |                         |                        |                          |                         |                         |                           |                          |                         |
|-------------------------|-------------|-----|-----|-------------------------|------------------------|--------------------------|-------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| Number of strands       |             | 1   | 2   | 1                       | 2                      | 2                        | 2                       | 2                       | 3 + 4                     | 3 + 4                    | 3 + 4                   |
| Load direction          |             | 0°  | 0°  | 90°                     | 90°                    | 0–45°                    | 45–60°                  | non-symmetrical         | 0–45°                     | 45–60°                   | non-symmetrical         |
| Type                    | Thread size |     |     |                         |                        |                          |                         |                         |                           |                          |                         |
| <b>VWBG-V</b>           |             |     |     |                         |                        |                          |                         |                         |                           |                          |                         |
| VWBG-V-0.3t             | M8          | 0.6 | 1.2 | 0.3 (0.4) <sup>1</sup>  | 0.6 (0.8) <sup>1</sup> | 0.42 (0.56) <sup>1</sup> | 0.3 (0.4) <sup>1</sup>  | 0.3 (0.4) <sup>1</sup>  | 0.63 (0.84) <sup>1</sup>  | 0.45 (0.6) <sup>1</sup>  | 0.3 (0.4) <sup>1</sup>  |
| VWBG-V-0.45t            | M10         | 0.9 | 1.8 | 0.45 (0.6) <sup>1</sup> | 0.9 (1.2) <sup>1</sup> | 0.63 (0.84) <sup>1</sup> | 0.45 (0.6) <sup>1</sup> | 0.45 (0.6) <sup>1</sup> | 0.94 (1.26) <sup>1</sup>  | 0.67 (0.9) <sup>1</sup>  | 0.45 (0.6) <sup>1</sup> |
| VWBG-V-0.6t             | M12         | 1.2 | 2.4 | 0.6 (0.75) <sup>1</sup> | 1.2 (1.5) <sup>1</sup> | 0.84 (1) <sup>1</sup>    | 0.6 (0.75) <sup>1</sup> | 0.6 (0.75) <sup>1</sup> | 1.26 (1.57) <sup>1</sup>  | 0.9 (1.12) <sup>1</sup>  | 0.6 (0.75) <sup>1</sup> |
| VWBG-V-1t               | M14         | 2   | 4   | 1 (1.25) <sup>1</sup>   | 2 (2.5) <sup>1</sup>   | 1.4 (1.75) <sup>1</sup>  | 1 (1.25) <sup>1</sup>   | 1 (1.25) <sup>1</sup>   | 2.1 (2.62) <sup>1</sup>   | 1.5 (1.87) <sup>1</sup>  | 1 (1.25) <sup>1</sup>   |
| VWBG-V-1.3t             | M16         | 2.6 | 5.2 | 1.3 (1.5) <sup>1</sup>  | 2.6 (3) <sup>1</sup>   | 1.82 (2.1) <sup>1</sup>  | 1.3 (1.5) <sup>1</sup>  | 1.3 (1.5) <sup>1</sup>  | 2.73 (3.15) <sup>1</sup>  | 1.95 (2.25) <sup>1</sup> | 1.3 (1.5) <sup>1</sup>  |
| VWBG-V-1.8t             | M18         | 3.6 | 7.2 | 1.8 (2) <sup>1</sup>    | 3.6 (4) <sup>1</sup>   | 2.52 (2.8) <sup>1</sup>  | 1.8 (2) <sup>1</sup>    | 1.8 (2) <sup>1</sup>    | 3.75 (4.25) <sup>1</sup>  | 2.7 (3) <sup>1</sup>     | 1.8 (2) <sup>1</sup>    |
| VWBG-V-2t               | M20, M22    | 4   | 8   | 2 (2.5) <sup>1</sup>    | 4 (5) <sup>1</sup>     | 2.8 (3.5) <sup>1</sup>   | 2 (2.5) <sup>1</sup>    | 2 (2.5) <sup>1</sup>    | 4.25 (5.25) <sup>1</sup>  | 3 (3.75) <sup>1</sup>    | 2 (2.5) <sup>1</sup>    |
| VWBG-V-3.5t             | M24, M27    | 7   | 14  | 3.5 (4) <sup>1</sup>    | 7 (8) <sup>1</sup>     | 4.9 (5.6) <sup>1</sup>   | 3.5 (4) <sup>1</sup>    | 3.5 (4) <sup>1</sup>    | 7.35 (8.4) <sup>1</sup>   | 5.25 (6) <sup>1</sup>    | 3.5 (4) <sup>1</sup>    |
| VWBG-V-5t               | M30         | 10  | 20  | 5 (6) <sup>1</sup>      | 10 (12) <sup>1</sup>   | 7 (8.4) <sup>1</sup>     | 5 (6) <sup>1</sup>      | 5 (6) <sup>1</sup>      | 10.6 (12.6) <sup>1</sup>  | 7.5 (9) <sup>1</sup>     | 5 (6) <sup>1</sup>      |
| <b>VWBG</b>             |             |     |     |                         |                        |                          |                         |                         |                           |                          |                         |
| VWBG-6(7.5)t            | M33         | 15  | 30  | 6 (7.5) <sup>1</sup>    | 12 (15) <sup>1</sup>   | 8.4 (10.5) <sup>1</sup>  | 6 (7.5) <sup>1</sup>    | 6 (7.5) <sup>1</sup>    | 12.6 (15.75) <sup>1</sup> | 9 (11.25) <sup>1</sup>   | 6 (7.5) <sup>1</sup>    |
| VWBG-8(10)t             | M36–39      | 15  | 30  | 8 (10) <sup>1</sup>     | 16 (20) <sup>1</sup>   | 11.2 (14) <sup>1</sup>   | 8 (10) <sup>1</sup>     | 8 (10) <sup>1</sup>     | 17 (21.2) <sup>1</sup>    | 11.8 (15) <sup>1</sup>   | 8 (10) <sup>1</sup>     |
| VWBG-12(13)t            | M42–45      | 17  | 34  | 12 (13) <sup>1</sup>    | 24 (26) <sup>1</sup>   | 16.8 (18.2) <sup>1</sup> | 12 (13) <sup>1</sup>    | 12 (13) <sup>1</sup>    | 25.2 (27.3) <sup>1</sup>  | 18 (19.5) <sup>1</sup>   | 12 (13) <sup>1</sup>    |
| VWBG-12(15)t            | M45         | 18  | 36  | 12 (15) <sup>1</sup>    | 24 (30) <sup>1</sup>   | 16.8 (21.2) <sup>1</sup> | 12 (15) <sup>1</sup>    | 12 (15) <sup>1</sup>    | 25.2 (31.5) <sup>1</sup>  | 18 (22.4) <sup>1</sup>   | 12 (15) <sup>1</sup>    |
| VWBG-13(16)t            | M48–52      | 18  | 36  | 13 (16) <sup>1</sup>    | 26 (32) <sup>1</sup>   | 18.2 (22.4) <sup>1</sup> | 13 (16) <sup>1</sup>    | 13 (16) <sup>1</sup>    | 27.3 (33.6) <sup>1</sup>  | 19.5 (24) <sup>1</sup>   | 13 (16) <sup>1</sup>    |
| VWBG-14(20)t            | M52         | 25  | 50  | 14 (20) <sup>1</sup>    | 28 (40) <sup>1</sup>   | 19.6 (28) <sup>1</sup>   | 14 (20) <sup>1</sup>    | 14 (20) <sup>1</sup>    | 29.4 (42) <sup>1</sup>    | 21 (30) <sup>1</sup>     | 14 (20) <sup>1</sup>    |
| VWBG-16(22)t            | M56–62      | 28  | 56  | 16 (22) <sup>1</sup>    | 32 (44) <sup>1</sup>   | 22.4 (30.8) <sup>1</sup> | 16 (22) <sup>1</sup>    | 16 (22) <sup>1</sup>    | 33.6 (46.2) <sup>1</sup>  | 24 (33) <sup>1</sup>     | 16 (22) <sup>1</sup>    |
| VWBG-16(25)t            | M64–76      | 28  | 56  | 16 (25) <sup>1</sup>    | 32 (50) <sup>1</sup>   | 22.4 (35) <sup>1</sup>   | 16 (25) <sup>1</sup>    | 16 (25) <sup>1</sup>    | 33.6 (52.5) <sup>1</sup>  | 24 (37.5) <sup>1</sup>   | 16 (25) <sup>1</sup>    |
| VWBG-31.5(40)t          | M72–76      | 50  | 100 | 31.5 (40) <sup>1</sup>  | 63 (80) <sup>1</sup>   | 45 (56) <sup>1</sup>     | 31.5 (40) <sup>1</sup>  | 31.5 (40) <sup>1</sup>  | 67 (84) <sup>1</sup>      | 47.5 (60) <sup>1</sup>   | 31.5 (40) <sup>1</sup>  |
| VWBG-35(48)t            | M80–85      | 50  | 100 | 35 (48) <sup>1</sup>    | 70 (96) <sup>1</sup>   | 49 (67.2) <sup>1</sup>   | 35 (48) <sup>1</sup>    | 35 (48) <sup>1</sup>    | 73.5 (100.8) <sup>1</sup> | 52.5 (72) <sup>1</sup>   | 35 (48) <sup>1</sup>    |
| VWBG-40(50)t            | M90–150     | 50  | 100 | 40 (50) <sup>1</sup>    | 80 (100) <sup>1</sup>  | 56 (70) <sup>1</sup>     | 40 (50) <sup>1</sup>    | 40 (50) <sup>1</sup>    | 84 (105) <sup>1</sup>     | 60 (75) <sup>1</sup>     | 40 (50) <sup>1</sup>    |
| <b>WBPB</b>             |             |     |     |                         |                        |                          |                         |                         |                           |                          |                         |
| WBPB-85t                | 6 x M48     | 85  | 170 | 85                      | 170                    | 119                      | 85                      | 85                      | 178                       | 127                      | 85                      |
| WBPB-100t               | 6 x M48     | 100 | 200 | 100                     | 200                    | 140                      | 100                     | 100                     | 210                       | 150                      | 100                     |
| WBPB-120t               | 6 x M48     | 120 | 240 | 120                     | 240                    | 168                      | 120                     | 120                     | 252                       | 180                      | 120                     |
| WBPB-200t               | 10 x M48    | 200 | 400 | 200                     | 400                    | 280                      | 200                     | 200                     | 420                       | 300                      | 200                     |
| WBPB-250t               | 12 x M48    | 250 | 500 | 250                     | 500                    | 350                      | 250                     | 250                     | 525                       | 375                      | 250                     |

<sup>1</sup> ( ) = Higher WLL by optimised attachment or application.

Maximum transport weight "G" in [t] with different lifting methods.

|                                                                                                   |                                                                                                 |                                                                                                   |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>VWBG-V</b>  | <b>VWBG</b>  | <b>WBPB</b>  |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

# WLL BOLTABLE LIFTING POINTS.

| THREAD SIZES<br>M6–M64         |             |      |      |      |      |       |        |                 |       |        |                 |
|--------------------------------|-------------|------|------|------|------|-------|--------|-----------------|-------|--------|-----------------|
| Number of strands              |             | 1    | 2    | 1    | 2    | 2     | 2      | 2               | 3 + 4 | 3 + 4  | 3 + 4           |
| Load direction                 |             | 0°   | 0°   | 90°  | 90°  | 0–45° | 45–60° | non-symmetrical | 0–45° | 45–60° | non-symmetrical |
| Type                           | Thread size |      |      |      |      |       |        |                 |       |        |                 |
| <b>PP-S / -B / -VIP</b>        |             |      |      |      |      |       |        |                 |       |        |                 |
| PP-0.63t                       | M12         | 0.63 | 1.26 | 0.63 | 1.26 | 0.88  | 0.63   | 0.63            | 1.32  | 0.95   | 0.63            |
| PP-1.5t                        | M16         | 1.5  | 3    | 1.5  | 3    | 2.1   | 1.5    | 1.5             | 3.15  | 2.24   | 1.5             |
| PP-2.5t                        | M20         | 2.5  | 5    | 2.5  | 5    | 3.5   | 2.5    | 2.5             | 5.25  | 3.75   | 2.5             |
| PP-4t                          | M24         | 4    | 8    | 4    | 8    | 5.6   | 4      | 4               | 8.4   | 6      | 4               |
| PP-5t                          | M30         | 6.7  | 13.4 | 5    | 10   | 7.1   | 5      | 5               | 10.6  | 7.5    | 5               |
| PP-8t                          | M36         | 10   | 20   | 8    | 16   | 11.2  | 8      | 8               | 17    | 11.8   | 8               |
| <b>VRS / VRM</b>               |             |      |      |      |      |       |        |                 |       |        |                 |
| VRS-M6 / VRM-M6 <sup>1</sup>   | M6          | 0.5  | 1    | 0.1  | 0.2  | 0.14  | 0.1    | 0.1             | 0.21  | 0.15   | 0.1             |
| VRS-M8 / VRM-M8 <sup>1</sup>   | M8          | 1    | 2    | 0.3  | 0.6  | 0.42  | 0.3    | 0.3             | 0.63  | 0.45   | 0.3             |
| VRS-M10 / VRM-M10 <sup>1</sup> | M10         | 1    | 2    | 0.4  | 0.8  | 0.56  | 0.4    | 0.4             | 0.84  | 0.6    | 0.4             |
| VRS-M12 / VRM-M12 <sup>1</sup> | M12         | 2    | 4    | 0.75 | 1.5  | 1     | 0.75   | 0.75            | 1.57  | 1.12   | 0.75            |
| VRS-M16 / VRM-M16 <sup>1</sup> | M16         | 4    | 8    | 1.5  | 3    | 2.1   | 1.5    | 1.5             | 3.15  | 2.25   | 1.5             |
| VRS-M20 / VRM-M20 <sup>1</sup> | M20         | 6    | 12   | 2.3  | 4.6  | 3.22  | 2.3    | 2.3             | 4.83  | 3.45   | 2.3             |
| VRS-M24 / VRM-M24 <sup>1</sup> | M24         | 8    | 16   | 3.2  | 6.4  | 4.5   | 3.2    | 3.2             | 6.7   | 4.8    | 3.2             |
| VRS-M30 / VRM-M30 <sup>1</sup> | M30         | 12   | 24   | 4.5  | 9    | 6.3   | 4.5    | 4.5             | 9.5   | 6.75   | 4.5             |
| VRS-M36                        | M36         | 16   | 32   | 7    | 14   | 9.8   | 7      | 7               | 14.7  | 10.5   | 7               |
| VRS-M42                        | M42         | 24   | 48   | 9    | 18   | 12.6  | 9      | 9               | 18.9  | 13.5   | 9               |
| VRS-M48                        | M48         | 32   | 64   | 12   | 24   | 16.8  | 12     | 12              | 25.2  | 18     | 12              |
| VRS-M56                        | M56         | 50   | 100  | 16   | 32   | 22.4  | 16     | 16              | 33.6  | 24     | 16              |
| VRS-M64                        | M64         | 60   | 120  | 20   | 40   | 28    | 20     | 20              | 42    | 30     | 20              |
| <b>INOX-STAR</b>               |             |      |      |      |      |       |        |                 |       |        |                 |
| INOX-STAR-M8                   | M8          | 0.7  | 1.4  | 0.3  | 0.6  | 0.42  | 0.3    | 0.3             | 0.63  | 0.45   | 0.3             |
| INOX-STAR-M10                  | M10         | 0.7  | 1.4  | 0.3  | 0.6  | 0.42  | 0.3    | 0.3             | 0.63  | 0.45   | 0.3             |
| INOX-STAR-M12                  | M12         | 1.2  | 2.4  | 0.5  | 1    | 0.71  | 0.5    | 0.5             | 1.06  | 0.75   | 0.5             |
| INOX-STAR-M16                  | M16         | 2.4  | 4.8  | 1    | 2    | 1.4   | 1      | 1               | 2.1   | 1.5    | 1               |
| INOX-STAR-M20                  | M20         | 3.6  | 7.2  | 2    | 4    | 2.8   | 2      | 2               | 4.25  | 3      | 2               |
| INOX-STAR-M24                  | M24         | 5.2  | 10.4 | 2.5  | 5    | 3.5   | 2.5    | 2.5             | 5.25  | 3.75   | 2.5             |

<sup>1</sup> WLL values of VRM only apply in conjunction with thread bolts of quality class 10.9 min.

Maximum transport weight "G" in [t] with different lifting methods.



# WLL BOLTABLE LIFTING POINTS.

| THREAD SIZES<br>M6–M48       |             |  |  |  |                              |  |        |  |  |  |                 |
|------------------------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
| Number of strands            |             | 1                                                                                 | 2                                                                                 | 1                                                                                 | 2                                                                                                             | 2                                                                                  | 2      | 2                                                                                   | 3 + 4                                                                               | 3 + 4                                                                               | 3 + 4           |
| Load direction               |             | 0°                                                                                | 0°                                                                                | 90°                                                                               | 90°                                                                                                           | 0–45°                                                                              | 45–60° | non-symmetrical                                                                     | 0–45°                                                                               | 45–60°                                                                              | non-symmetrical |
| Type                         | Thread size |                                                                                   |                                                                                   |                                                                                   |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS / RM                      |             |                                                                                   |                                                                                   |                                                                                   |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M6 / RM-M6 <sup>2</sup>   | M6          | 0.4                                                                               | 0.8                                                                               | 0.1                                                                               | For this type of suspension we recommend the use of the adjustable "VRS-Starpoint" in the direction of force! |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M8 / RM-M8 <sup>2</sup>   | M8          | 0.8                                                                               | 1.6                                                                               | 0.2                                                                               |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M10 / RM-M10 <sup>2</sup> | M10         | 1                                                                                 | 2                                                                                 | 0.25                                                                              |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M12 / RM-M12 <sup>2</sup> | M12         | 1.6                                                                               | 3.2                                                                               | 0.4                                                                               |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M14 / RM-M14 <sup>2</sup> | M14         | 3                                                                                 | 6                                                                                 | 0.75                                                                              |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M16 / RM-M16 <sup>2</sup> | M16         | 4                                                                                 | 8                                                                                 | 1(0.8)                                                                            |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M20 / RM-M20 <sup>2</sup> | M20         | 6                                                                                 | 12                                                                                | 1.5                                                                               |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M24 / RM-M24 <sup>2</sup> | M24         | 8                                                                                 | 16                                                                                | 2                                                                                 |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M30 / RM-M30 <sup>2</sup> | M30         | 12                                                                                | 24                                                                                | 3                                                                                 |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M36 / RM-M36 <sup>2</sup> | M36         | 16                                                                                | 32                                                                                | 4                                                                                 |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M42 / RM-M42 <sup>2</sup> | M42         | 24                                                                                | 48                                                                                | 6                                                                                 |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RS-M48 / RM-M48 <sup>2</sup> | M48         | 32                                                                                | 64                                                                                | 8                                                                                 |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RBG / VRBG                   |             |                                                                                   |                                                                                   |                                                                                   |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| RBG-3t                       | 2 x M16     | 3                                                                                 | 6                                                                                 | 3                                                                                 | 6                                                                                                             | 4.25                                                                               | 3      | 3                                                                                   | 6.3                                                                                 | 4.5                                                                                 | 3               |
| VRBG-10t                     | 4 x M20     | 10                                                                                | 20                                                                                | 10                                                                                | 20                                                                                                            | 14                                                                                 | 10     | 10                                                                                  | 21.2                                                                                | 15                                                                                  | 10              |
| VRBG-16t                     | 4 x M30     | 16                                                                                | 32                                                                                | 16                                                                                | 32                                                                                                            | 22.4                                                                               | 16     | 16                                                                                  | 33.6                                                                                | 24                                                                                  | 16              |
| VRBG-31.5t                   | 6 x M30     | 31.5                                                                              | 63                                                                                | 31.5                                                                              | 63                                                                                                            | 45                                                                                 | 31.5   | 31.5                                                                                | 67                                                                                  | 47.5                                                                                | 31.5            |
| VRBG-50t                     | 8 x M36     | 50                                                                                | 100                                                                               | 50                                                                                | 100                                                                                                           | 70                                                                                 | 50     | 50                                                                                  | 105                                                                                 | 75                                                                                  | 50              |
| VRBG-100t                    | 8 x M48     | 100                                                                               | 200                                                                               | 100                                                                               | 200                                                                                                           | 140                                                                                | 100    | 100                                                                                 | 210                                                                                 | 150                                                                                 | 100             |
| B-ABA                        |             |                                                                                   |                                                                                   |                                                                                   |                                                                                                               |                                                                                    |        |                                                                                     |                                                                                     |                                                                                     |                 |
| B-ABA-1.6t                   | 4 x M10     | 1.6                                                                               | 3.2                                                                               | 1.6                                                                               | 3.2                                                                                                           | 2.2                                                                                | 1.6    | 1.6                                                                                 | 3.4                                                                                 | 2.4                                                                                 | 1.6             |
| B-ABA-3.2t                   | 4 x M12     | 3.2                                                                               | 6.4                                                                               | 3.2                                                                               | 6.4                                                                                                           | 4.5                                                                                | 3.2    | 3.2                                                                                 | 6.7                                                                                 | 4.8                                                                                 | 3.2             |
| B-ABA-5t                     | 4 x M16     | 5                                                                                 | 10                                                                                | 5                                                                                 | 10                                                                                                            | 7.1                                                                                | 5      | 5                                                                                   | 10.6                                                                                | 7.5                                                                                 | 5               |
| B-ABA-10t                    | 4 x M20     | 10                                                                                | 20                                                                                | 10                                                                                | 20                                                                                                            | 14                                                                                 | 10     | 10                                                                                  | 21.2                                                                                | 15                                                                                  | 10              |
| B-ABA-20t                    | 6 x M24     | 20                                                                                | 40                                                                                | 20                                                                                | 40                                                                                                            | 28                                                                                 | 20     | 20                                                                                  | 42                                                                                  | 30                                                                                  | 20              |
| B-ABA-31.5t                  | 6 x M30     | 31.5                                                                              | 63                                                                                | 31.5                                                                              | 63                                                                                                            | 45                                                                                 | 31.5   | 31.5                                                                                | 67                                                                                  | 47.5                                                                                | 31.5            |

<sup>2</sup> WLL values of RM only apply in conjunction with thread bolts of quality class 8.8 min.

Maximum transport weight "G" in [t] with different lifting methods.

