



# RUD ACP-TURNADO.

A game changer for lifting points.



**NEW!**

M8 - M100  
1/2" - 4"

# THE FIRST SMART LIFTING POINT IN THE WORLD.

The lift bail does not stop with dangerous transverse load.

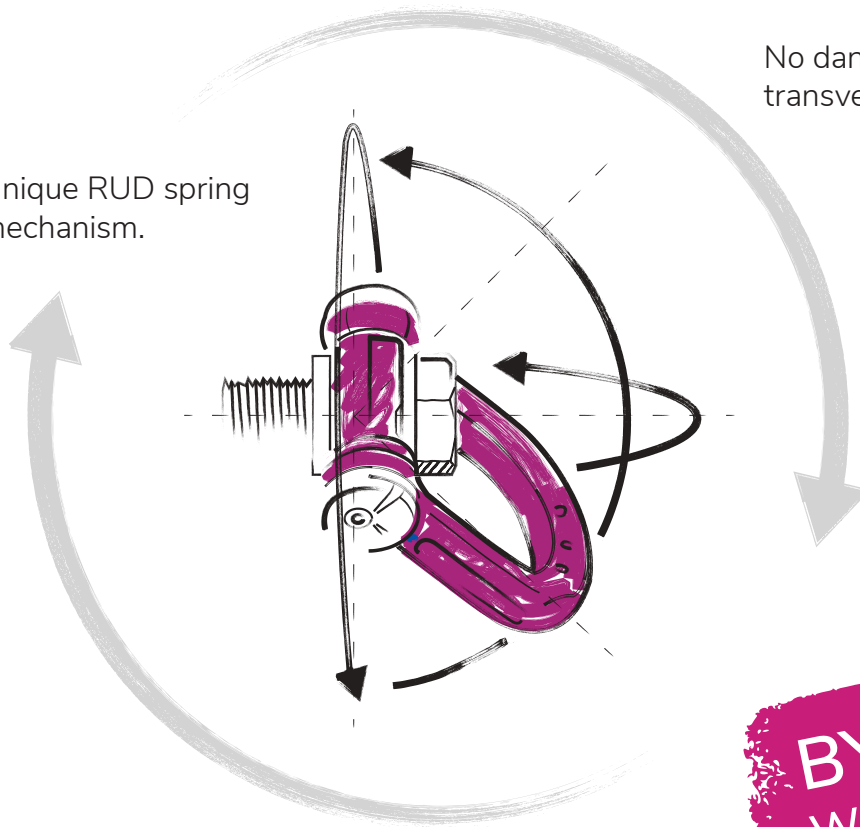
No dangerous transverse loads.

No unexpected sagging of the load.

No falling of the load.

Prevents damage to the crane or load.

Unique RUD spring mechanism.



**BYE BYE  
WORST CASE!**

**NEW!** Now up to M100 (4").  
Up to 30 % higher WLL.



**ACP-TORNADO**

M8 – M30  
(1/2" – 1 1/4")



**ACP-TORNADO  
MAX**

M36 – M56  
(1 1/2" – 2")



**ACP-TORNADO  
SUPERMAX**

M64 – M100  
(2 1/2" – 4")



Easy and safe handling.



Combination head bolt  
with internal and external  
hexagon socket.



Patented wear markings  
for determination of the  
discard age.



**RUD BLUE-ID SYSTEM**  
Integrated RFID transponder  
to make checks easier.









# SMART DOWN TO THE LAST DETAIL.

Optimised for any load weight:  
The designs of the RUD ACP-TURNADO.

The RUD ACP-TURNADO sets new standards for the safe lifting of valuable loads. Thanks to its innovative spring mechanism, its lift bail immediately turns into the load direction when the load is lifted, so it cannot remain vertical. Dangerous transverse loads and a sudden drop of the load by sudden turning into the load direction are therefore impossible.

Since every application has special requirements, we have developed three different designs for the RUD ACP-TURNADO. Each of them is perfectly adapted to a defined WLL range and specific requirements. This is available only at RUD in this market segment.

## Common features of all designs:

- Innovative spring mechanism – prevents the lift bail from stopping with transverse load.
- Swivel joint in the lifting ring axis.
- Wear lenses for checking discard criteria.
- Integrated RFID transponder to make checks easier.
- Safety factors 4:1 and 5:1.
- Meets and exceeds the requirements of the American standard ASME B30.26.



## ACP-TURNADO SUPERMAX

M64 – M100 (2 ½" – 4")

- Innovative, protected internal spring mechanism – prevents the lift bail from stopping.
- Deflector disc with angle marking, WLL information in "t" and "lbs", safety factors, and torque moment.
- Threaded rod – firmly connected.
- Free space for individual marking/stamp.



## ACP-TURNADO MAX

M36 – M56 (1 ½" – 2")

- Innovative, optimally protected internal spring mechanism – prevents vertical stopping of the lift bail.
- Deflector disc with angle marking, WLL information in "t" and "lbs", safety factors, and torque moment.
- M36 – M48: Combination head screw with internal and external hexagon for optimised handling; M52 – M56: threaded pin – firmly connected.
- Free space for individual marking/stamp.



## ACP-TURNADO

M8 – M30 (½" – 1 ¼")

- Innovative exterior spring mechanism – prevents vertical stopping of the lift bail.
- Round lift bail – no clinking possible.
- Combination head threaded rod with internal and external hexagon for optimised handling; up to M24 (1") as RUD ICE-BOLT.



# MORE SIZE.

RUD ACP-TURNADO M8 – M100 ( $1\frac{1}{2}$ " – 4").



ACP-TURNADO  
**SUPERMAX**

M64 – M100 ( $2\frac{1}{2}$ " – 4")



Wide variety meets endless applications.

There is an ambitious goal behind the RUD ACP-TURNADO: to perfect a well-known design. Therefore, we have carried out a significant optimisation of the basic design and essential details of conventional lifting points. The result was a lifting point that eliminates the disadvantages of existing solutions and makes the user's work easier and safer. You can choose between threads in various metric and inch sizes in three designs.

## ACP-TURNADO

M8 – M30 (1/2" – 1 1/4")

## ACP-TURNADO MAX

M36 – M56 (1 1/2" – 2")

This illustration shows the 17 standard metric sizes.

# SIMPLY STRONGER.

Up to 30 % more WLL than other lifting points.<sup>1</sup>

The RUD ACP-TURNADO stands up to every comparison. It is considerably ahead of many others at decisive points. It excels with up to 30 % higher load-bearing capacity compared to lifting points from other suppliers which are comparable in terms of design and size. This provides you with considerable reserves in the maximum WLL for all load weights as well as noticeable handling advantages.

The RUD ACP-TURNADO also has a clear lead in the variety of thread sizes. In addition to its extensive range of standard variants, it is always available for a custom solution. This makes the RUD ACP-TURNADO the first choice wherever heavy loads have to be moved in a safe, precise and ergonomic manner.

Up to  
**30 %**  
higher WLL<sup>1</sup>

<sup>1</sup> Higher WLL compared to lifting points of comparable design and size from other suppliers.





# CUSTOM THREADS.

The point: your application, our solution.

We at RUD are committed to always offer you a tailor-made solution that meets your specific requirements. This is why we equip the RUD ACP-TURNADO up to M48 (2") with a bolt that can be replaced. From thread size M52 (2 1/2"), on the other hand, it has a threaded rod that is firmly connected. Thanks to this concept, large

lifting points can be implemented even in very small batch sizes in a flexible, fast, and cost-effective manner. You can flexibly choose the length, type and diameter of the thread to fit your application. Individual special threads up to a length of 300 mm are possible.

ALL SIZES AND DESIGNS AT A GLANCE.



| ACP-TURNADO        |     |     |     |     |     |     | ACP-TURNADO MAX |     |     |     |                                 | ACP-TURNADO SUPERMAX |     |     |     |      |
|--------------------|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|---------------------------------|----------------------|-----|-----|-----|------|
| Metric threads     |     |     |     |     |     |     | Metric threads  |     |     |     |                                 | Metric threads       |     |     |     |      |
| M8                 | M10 | M12 | M16 | M20 | M24 | M30 | M36             | M42 | M48 | M52 | M56                             | M64                  | M72 | M80 | M90 | M100 |
| Bolt (replaceable) |     |     |     |     |     |     |                 |     |     |     | Threaded pin (firmly connected) |                      |     |     |     |      |

| ACP-TURNADO        |      |      |    |        | ACP-TURNADO MAX |        |    | ACP-TURNADO SUPERMAX            |    |        |    |
|--------------------|------|------|----|--------|-----------------|--------|----|---------------------------------|----|--------|----|
| UNC inch thread    |      |      |    |        | UNC inch thread |        |    | UNC inch thread                 |    |        |    |
| 1/2"               | 5/8" | 3/4" | 1" | 1 1/4" | 1 1/2"          | 1 3/4" | 2" | 2 1/2"                          | 3" | 3 1/2" | 4" |
| Bolt (replaceable) |      |      |    |        |                 |        |    | Threaded pin (firmly connected) |    |        |    |



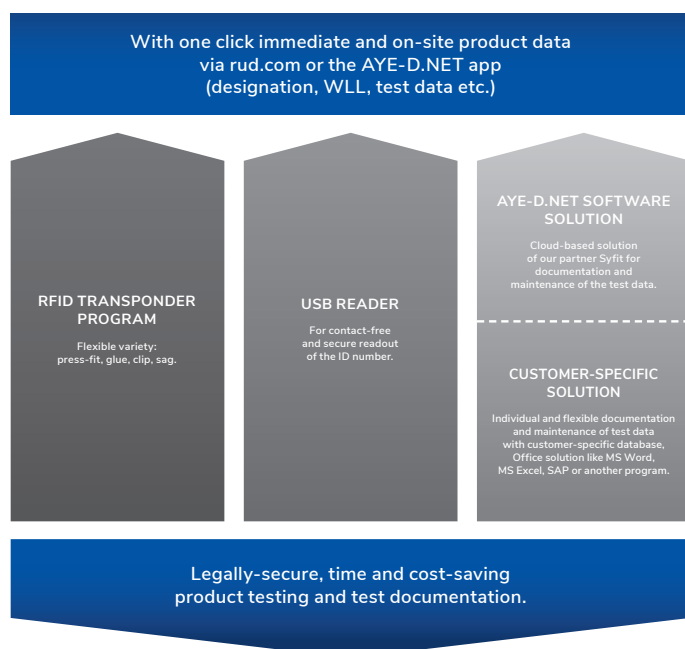


# RFID ON BOARD BY DEFAULT.

The RUD ACP-TURNADO: fit for simplified equipment inspection with the RUD BLUE-ID SYSTEM.

Like many other RUD products, all versions of the RUD ACP-TURNADO have an integrated RUD ID-POINT® RFID transponder by default. This allows every lifting point to be identified during the prescribed equipment tests in a simple, unmistakable, and legally certain manner.

In connection with the RUD BLUE-ID SYSTEM consisting of transponders, readers, and software, your daily work will be easier, and you will save a significant amount of money. Using one of our readers or a smart phone with NFC capability, you transmit the transponder data for the inspection wirelessly to the connected software or app. Your entire testing process becomes easier, faster, and more reliable.



RUD BLUE-ID  SYSTEM

If you see this symbol next to the image of an RUD product, you know:  
An RFID transponder is installed here.



# ACP-TURNADO

WLL M8 – M30 (1½" – 1 ¼")

SAFETY FACTOR 4:1



| THREAD SIZES<br>M8–M30                                                              |              |        |        |        |        |        |          |        |        |          |        |
|-------------------------------------------------------------------------------------|--------------|--------|--------|--------|--------|--------|----------|--------|--------|----------|--------|
| Number of strands                                                                   |              | 1      | 1      | 2      | 2      | 2      | 2        | 2      | 3/4    | 3/4      | 3/4    |
| Angle of inclination <β                                                             |              | 0°     | 90°    | 0°     | 90°    | 0–45°  | > 45–60° | Asymm. | 0–45°  | > 45–60° | Asymm. |
| Factor                                                                              |              | 1      | 1      | 2      | 2      | 1.4    | 1        | 1      | 2.1    | 1.5      | 1      |
| Tonnage                                                                             | Thread size  |        |        |        |        |        |          |        |        |          |        |
| For max. total load weight in tonnes, tightly screwed, and set in pulling direction |              |        |        |        |        |        |          |        |        |          |        |
| Metric threads / UNC inch thread                                                    |              |        |        |        |        |        |          |        |        |          |        |
| 0.7 t                                                                               | M8           | 0.7    | 0.7    | 1.4    | 1.4    | 0.98   | 0.7      | 0.7    | 1.47   | 1.05     | 0.7    |
| 1 t                                                                                 | M10          | 1      | 1      | 2      | 2      | 1.4    | 1        | 1      | 2.1    | 1.5      | 1      |
| 1.35 t                                                                              | M12 / 1/2"   | 1.35   | 1.35   | 2.7    | 2.7    | 1.9    | 1.35     | 1.35   | 2.84   | 2        | 1.35   |
| 2.5 t                                                                               | M16 / 5/8"   | 2.5    | 2.5    | 5      | 5      | 3.5    | 2.5      | 2.5    | 5.25   | 3.75     | 2.5    |
| 4 t                                                                                 | M20 / 3/4"   | 4      | 4      | 8      | 8      | 5.6    | 4        | 4      | 8.4    | 6        | 4      |
| 6.3 t                                                                               | M24 / 1"     | 6.3    | 6.3    | 12.6   | 12.6   | 8.8    | 6.3      | 6.3    | 13.2   | 9.4      | 6.3    |
| 8 t                                                                                 | M30 / 1 1/4" | 8      | 8      | 16     | 16     | 11.2   | 8        | 8      | 17     | 11.8     | 8      |
| For max. total load weight in lbs, tightly screwed, and set in pulling direction    |              |        |        |        |        |        |          |        |        |          |        |
| Metric threads / UNC inch thread                                                    |              |        |        |        |        |        |          |        |        |          |        |
| 1,540 lbs                                                                           | M8           | 1,540  | 1,540  | 3,080  | 3,080  | 2,170  | 1,540    | 1,540  | 3,260  | 2,310    | 1,540  |
| 2,200 lbs                                                                           | M10          | 2,200  | 2,200  | 4,400  | 4,400  | 3,110  | 2,200    | 2,200  | 4,660  | 3,300    | 2,200  |
| 2,970 lbs                                                                           | M12 / 1/2"   | 2,970  | 2,970  | 5,940  | 5,940  | 4,200  | 2,970    | 2,970  | 6,300  | 4,450    | 2,970  |
| 5,500 lbs                                                                           | M16 / 5/8"   | 5,500  | 5,500  | 11,000 | 11,000 | 7,770  | 5,500    | 5,500  | 11,660 | 8,250    | 5,500  |
| 8,820 lbs                                                                           | M20 / 3/4"   | 8,820  | 8,820  | 17,640 | 17,640 | 12,470 | 8,820    | 8,820  | 18,710 | 13,230   | 8,820  |
| 13,890 lbs                                                                          | M24 / 1"     | 13,890 | 13,890 | 27,780 | 27,780 | 19,640 | 13,890   | 13,890 | 29,460 | 20,830   | 13,890 |
| 17,630 lbs                                                                          | M30 / 1 1/4" | 17,630 | 17,630 | 35,260 | 35,260 | 24,930 | 17,630   | 17,630 | 37,400 | 26,440   | 17,630 |

The following applies to both tables:

Specifications in tonnes [t] (top) and in lbs (bottom).

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

Subject to technical changes!





## SAFETY FACTOR 5:1

| THREAD SIZES<br>M8–M30                                                              |              |        |        |        |        |        |          |        |        |          |        |
|-------------------------------------------------------------------------------------|--------------|--------|--------|--------|--------|--------|----------|--------|--------|----------|--------|
| Number of strands                                                                   |              | 1      | 1      | 2      | 2      | 2      | 2        | 2      | 3/4    | 3/4      | 3/4    |
| Angle of inclination $\alpha \leq \beta$                                            |              | 0°     | 90°    | 0°     | 90°    | 0–45°  | > 45–60° | Asymm. | 0–45°  | > 45–60° | Asymm. |
| Factor                                                                              |              | 1      | 1      | 2      | 2      | 1.4    | 1        | 1      | 2.1    | 1.5      | 1      |
| Tonnage                                                                             | Thread size  |        |        |        |        |        |          |        |        |          |        |
| For max. total load weight in tonnes, tightly screwed, and set in pulling direction |              |        |        |        |        |        |          |        |        |          |        |
| Metric threads / UNC inch thread                                                    |              |        |        |        |        |        |          |        |        |          |        |
| 0.56 t                                                                              | M8           | 0.56   | 0.56   | 1.12   | 1.12   | 0.79   | 0.56     | 0.56   | 1.18   | 0.84     | 0.56   |
| 0.8 t                                                                               | M10          | 0.8    | 0.8    | 1.6    | 1.6    | 1.12   | 0.8      | 0.8    | 1.70   | 1.18     | 0.8    |
| 1.1 t                                                                               | M12 / 1/2"   | 1.1    | 1.1    | 2.2    | 2.2    | 1.5    | 1.1      | 1.1    | 2.3    | 1.6      | 1.1    |
| 2 t                                                                                 | M16 / 5/8"   | 2      | 2      | 4      | 4      | 2.8    | 2        | 2      | 4.25   | 3        | 2      |
| 3.2 t                                                                               | M20 / 3/4"   | 3.2    | 3.2    | 6.4    | 6.4    | 4.5    | 3.2      | 3.2    | 6.7    | 4.8      | 3.2    |
| 5 t                                                                                 | M24 / 1"     | 5      | 5      | 10     | 10     | 7.1    | 5        | 5      | 10.6   | 7.5      | 5      |
| 6.4 t                                                                               | M30 / 1 1/4" | 6.4    | 6.4    | 12.8   | 12.8   | 9      | 6.4      | 6.4    | 13.5   | 9.6      | 6.4    |
| For max. total load weight in lbs, tightly screwed, and set in pulling direction    |              |        |        |        |        |        |          |        |        |          |        |
| Metric threads / UNC inch thread                                                    |              |        |        |        |        |        |          |        |        |          |        |
| 1,230 lbs                                                                           | M8           | 1,230  | 1,230  | 2,460  | 2,460  | 1,730  | 1,230    | 1,230  | 2,600  | 1,840    | 1,230  |
| 1,760 lbs                                                                           | M10          | 1,760  | 1,760  | 3,520  | 3,520  | 2,480  | 1,760    | 1,760  | 3,730  | 2,640    | 1,760  |
| 2,380 lbs                                                                           | M12 / 1/2"   | 2,380  | 2,380  | 4,760  | 4,760  | 3,360  | 2,380    | 2,380  | 5,040  | 3,570    | 2,380  |
| 4,400 lbs                                                                           | M16 / 5/8"   | 4,400  | 4,400  | 8,800  | 8,800  | 6,220  | 4,400    | 4,400  | 9,330  | 6,600    | 4,400  |
| 7,040 lbs                                                                           | M20 / 3/4"   | 7,040  | 7,040  | 14,080 | 14,080 | 9,950  | 7,040    | 7,040  | 14,930 | 10,560   | 7,040  |
| 11,080 lbs                                                                          | M24 / 1"     | 11,080 | 11,080 | 22,160 | 22,160 | 15,670 | 11,080   | 11,080 | 23,500 | 16,620   | 11,080 |
| 14,080 lbs                                                                          | M30 / 1 1/4" | 14,080 | 14,080 | 28,160 | 28,160 | 19,910 | 14,080   | 14,080 | 29,860 | 21,120   | 14,080 |



# ACP-TURNADO MAX

WLL M36 – M56 (1 1/2" – 2")

SAFETY FACTOR 4:1



| THREAD SIZES<br>M36–M56                                                             |             |        |        |         |         |        |          |        |         |          |        |
|-------------------------------------------------------------------------------------|-------------|--------|--------|---------|---------|--------|----------|--------|---------|----------|--------|
| Number of strands                                                                   |             | 1      | 1      | 2       | 2       | 2      | 2        | 2      | 3/4     | 3/4      | 3/4    |
| Angle of inclination <β                                                             |             | 0°     | 90°    | 0°      | 90°     | 0–45°  | > 45–60° | Asymm. | 0–45°   | > 45–60° | Asymm. |
| Factor                                                                              |             | 1      | 1      | 2       | 2       | 1.4    | 1        | 1      | 2.1     | 1.5      | 1      |
| Tonnage                                                                             | Thread size |        |        |         |         |        |          |        |         |          |        |
| For max. total load weight in tonnes, tightly screwed, and set in pulling direction |             |        |        |         |         |        |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |         |        |          |        |         |          |        |
| 12.5 t                                                                              | M36         | 15     | 12.5   | 30      | 25      | 17     | 12.5     | 12.5   | 26.5    | 19       | 12.5   |
| 16 t                                                                                | M42         | 18     | 16     | 36      | 32      | 22.4   | 16       | 16     | 33.6    | 24       | 16     |
| 20 t                                                                                | M48         | 25     | 20     | 50      | 40      | 28     | 20       | 20     | 42      | 30       | 20     |
| 24 t                                                                                | M52         | 26     | 24     | 52      | 48      | 33.6   | 24       | 24     | 50.4    | 36       | 24     |
| 27 t                                                                                | M56         | 32.5   | 27     | 65      | 54      | 38     | 27       | 27     | 57      | 40.5     | 27     |
| UNC inch thread                                                                     |             |        |        |         |         |        |          |        |         |          |        |
| 14 t                                                                                | 1 1/2"      | 16     | 14     | 32      | 28      | 19.6   | 14       | 14     | 29.4    | 21       | 14     |
| 16 t                                                                                | 1 3/4"      | 18     | 16     | 36      | 32      | 22.4   | 16       | 16     | 33.6    | 24       | 16     |
| 22 t                                                                                | 2"          | 25     | 22     | 50      | 44      | 30.8   | 22       | 22     | 46.2    | 33       | 22     |
| For max. total load weight in lbs, tightly screwed, and set in pulling direction    |             |        |        |         |         |        |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |         |        |          |        |         |          |        |
| 27,550 lbs                                                                          | M36         | 33,070 | 27,550 | 66,140  | 55,100  | 38,960 | 27,550   | 27,550 | 58,440  | 41,320   | 27,550 |
| 35,270 lbs                                                                          | M42         | 39,680 | 35,270 | 79,360  | 70,540  | 49,870 | 35,270   | 35,270 | 74,810  | 52,900   | 35,270 |
| 44,090 lbs                                                                          | M48         | 55,110 | 44,090 | 110,220 | 88,180  | 62,350 | 44,090   | 44,090 | 93,520  | 66,130   | 44,090 |
| 52,910 lbs                                                                          | M52         | 57,320 | 52,910 | 114,640 | 105,820 | 74,820 | 52,910   | 52,910 | 112,230 | 79,360   | 52,910 |
| 59,520 lbs                                                                          | M56         | 71,650 | 59,520 | 143,300 | 119,040 | 84,170 | 59,520   | 59,520 | 126,260 | 89,280   | 59,520 |
| UNC inch thread                                                                     |             |        |        |         |         |        |          |        |         |          |        |
| 30,860 lbs                                                                          | 1 1/2"      | 35,270 | 30,860 | 70,540  | 61,720  | 43,640 | 30,860   | 30,860 | 65,460  | 46,290   | 30,860 |
| 35,270 lbs                                                                          | 1 3/4"      | 39,680 | 35,270 | 79,360  | 70,540  | 49,870 | 35,270   | 35,270 | 74,810  | 52,900   | 35,270 |
| 48,500 lbs                                                                          | 2"          | 55,110 | 48,500 | 110,220 | 97,000  | 68,580 | 48,500   | 48,500 | 102,880 | 72,750   | 48,500 |

The following applies to both tables:

Specifications in tonnes [t] (top) and in lbs (bottom).

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

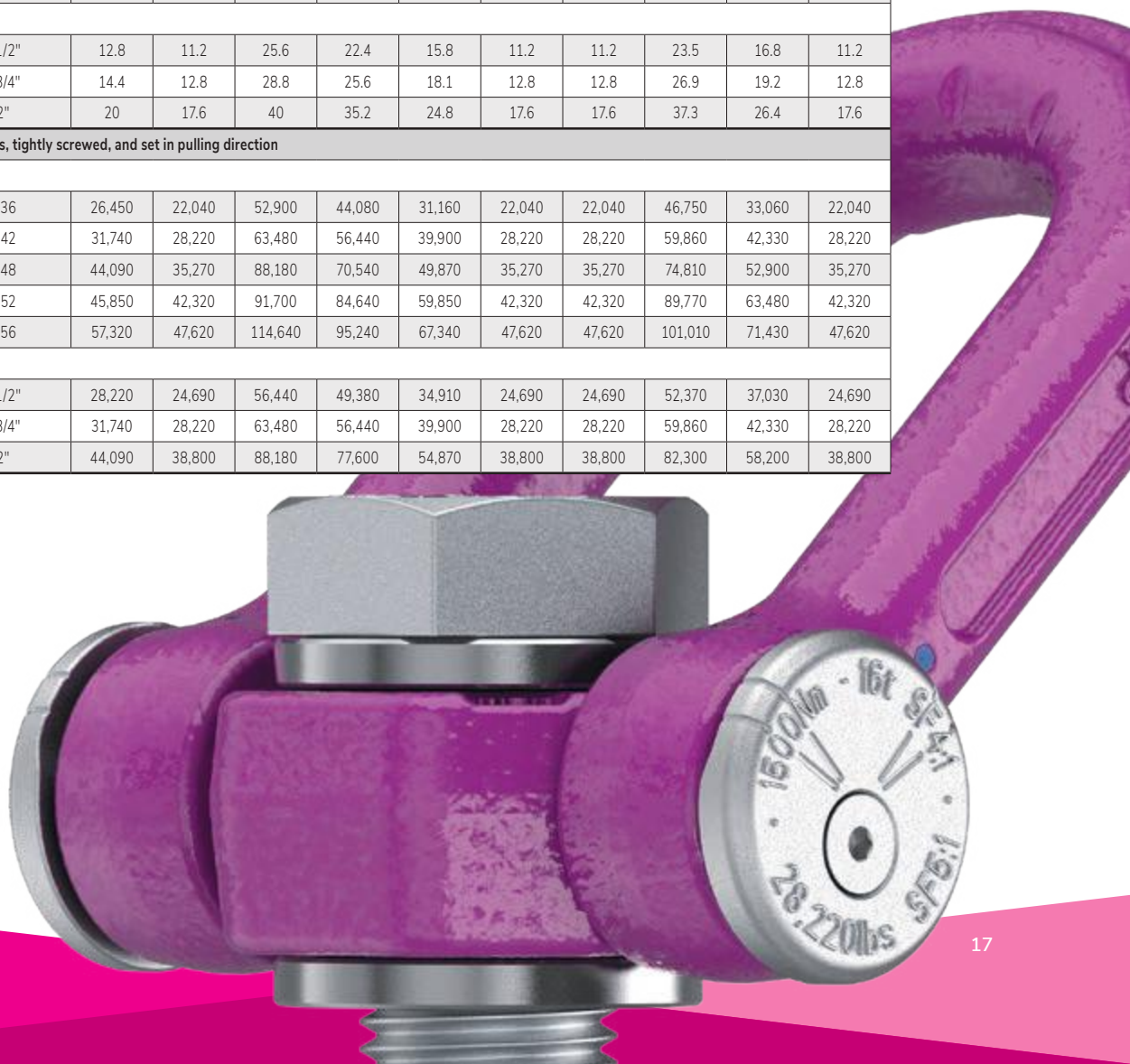
Subject to technical changes!





## SAFETY FACTOR 5:1

| THREAD SIZES<br>M36–M56                                                             |             |        |        |         |        |        |          |        |         |          |        |
|-------------------------------------------------------------------------------------|-------------|--------|--------|---------|--------|--------|----------|--------|---------|----------|--------|
| Number of strands                                                                   |             | 1      | 1      | 2       | 2      | 2      | 2        | 2      | 3/4     | 3/4      | 3/4    |
| Angle of inclination <β                                                             |             | 0°     | 90°    | 0°      | 90°    | 0–45°  | > 45–60° | Asymm. | 0–45°   | > 45–60° | Asymm. |
| Factor                                                                              |             | 1      | 1      | 2       | 2      | 1.4    | 1        | 1      | 2.1     | 1.5      | 1      |
| Tonnage                                                                             | Thread size |        |        |         |        |        |          |        |         |          |        |
| For max. total load weight in tonnes, tightly screwed, and set in pulling direction |             |        |        |         |        |        |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |        |        |          |        |         |          |        |
| 10 t                                                                                | M36         | 12     | 10     | 24      | 20     | 14     | 10       | 10     | 21.2    | 15       | 10     |
| 12.8 t                                                                              | M42         | 14.4   | 12.8   | 28.8    | 25.6   | 18.1   | 12.8     | 12.8   | 26.9    | 19.2     | 12.8   |
| 16 t                                                                                | M48         | 20     | 16     | 40      | 32     | 22.4   | 16       | 16     | 33.6    | 24       | 16     |
| 19.2 t                                                                              | M52         | 21     | 19.2   | 42      | 38.4   | 27.1   | 19.2     | 19.2   | 40.7    | 28.8     | 19.2   |
| 21.6 t                                                                              | M56         | 26     | 21.6   | 52      | 43.2   | 30.5   | 21.6     | 21.6   | 45.8    | 32.4     | 21.6   |
| UNC inch thread                                                                     |             |        |        |         |        |        |          |        |         |          |        |
| 11.2 t                                                                              | 1 1/2"      | 12.8   | 11.2   | 25.6    | 22.4   | 15.8   | 11.2     | 11.2   | 23.5    | 16.8     | 11.2   |
| 12.8 t                                                                              | 1 3/4"      | 14.4   | 12.8   | 28.8    | 25.6   | 18.1   | 12.8     | 12.8   | 26.9    | 19.2     | 12.8   |
| 17.6 t                                                                              | 2"          | 20     | 17.6   | 40      | 35.2   | 24.8   | 17.6     | 17.6   | 37.3    | 26.4     | 17.6   |
| For max. total load weight in lbs, tightly screwed, and set in pulling direction    |             |        |        |         |        |        |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |        |        |          |        |         |          |        |
| 22,040 lbs                                                                          | M36         | 26,450 | 22,040 | 52,900  | 44,080 | 31,160 | 22,040   | 22,040 | 46,750  | 33,060   | 22,040 |
| 28,220 lbs                                                                          | M42         | 31,740 | 28,220 | 63,480  | 56,440 | 39,900 | 28,220   | 28,220 | 59,860  | 42,330   | 28,220 |
| 35,270 lbs                                                                          | M48         | 44,090 | 35,270 | 88,180  | 70,540 | 49,870 | 35,270   | 35,270 | 74,810  | 52,900   | 35,270 |
| 42,320 lbs                                                                          | M52         | 45,850 | 42,320 | 91,700  | 84,640 | 59,850 | 42,320   | 42,320 | 89,770  | 63,480   | 42,320 |
| 47,620 lbs                                                                          | M56         | 57,320 | 47,620 | 114,640 | 95,240 | 67,340 | 47,620   | 47,620 | 101,010 | 71,430   | 47,620 |
| UNC inch thread                                                                     |             |        |        |         |        |        |          |        |         |          |        |
| 24,690 lbs                                                                          | 1 1/2"      | 28,220 | 24,690 | 56,440  | 49,380 | 34,910 | 24,690   | 24,690 | 52,370  | 37,030   | 24,690 |
| 28,220 lbs                                                                          | 1 3/4"      | 31,740 | 28,220 | 63,480  | 56,440 | 39,900 | 28,220   | 28,220 | 59,860  | 42,330   | 28,220 |
| 38,800 lbs                                                                          | 2"          | 44,090 | 38,800 | 88,180  | 77,600 | 54,870 | 38,800   | 38,800 | 82,300  | 58,200   | 38,800 |



# ACP-TURNADO SUPERMAX

WLL M64 – M100 (2 1/2" – 4")

SAFETY FACTOR 4:1



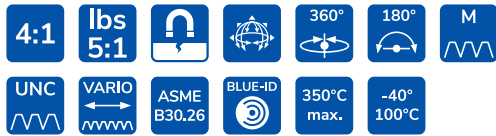
| THREAD SIZES<br>M64–M100                                                            |             |        |        |         |         |         |          |        |         |          |        |
|-------------------------------------------------------------------------------------|-------------|--------|--------|---------|---------|---------|----------|--------|---------|----------|--------|
| Number of strands                                                                   |             | 1      | 1      | 2       | 2       | 2       | 2        | 2      | 3/4     | 3/4      | 3/4    |
| Angle of inclination <β                                                             |             | 0°     | 90°    | 0°      | 90°     | 0–45°   | > 45–60° | Asymm. | 0–45°   | > 45–60° | Asymm. |
| Factor                                                                              |             | 1      | 1      | 2       | 2       | 1.4     | 1        | 1      | 2.1     | 1.5      | 1      |
| Tonnage                                                                             | Thread size |        |        |         |         |         |          |        |         |          |        |
| For max. total load weight in tonnes, tightly screwed, and set in pulling direction |             |        |        |         |         |         |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |         |         |          |        |         |          |        |
| 32.5 t                                                                              | M64         | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | M72         | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | M80         | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | M90         | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | M100        | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| UNC inch thread                                                                     |             |        |        |         |         |         |          |        |         |          |        |
| 32.5 t                                                                              | 2 1/2"      | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | 3"          | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | 3 1/2"      | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| 32.5 t                                                                              | 4"          | 35     | 32.5   | 70      | 65      | 46      | 32.5     | 32.5   | 69      | 49       | 32.5   |
| For max. total load weight in lbs, tightly screwed, and set in pulling direction    |             |        |        |         |         |         |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |         |         |          |        |         |          |        |
| 71,650 lbs                                                                          | M64         | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | M72         | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | M80         | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | M90         | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | M100        | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| UNC inch thread                                                                     |             |        |        |         |         |         |          |        |         |          |        |
| 71,650 lbs                                                                          | 2 1/2"      | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | 3"          | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | 3 1/2"      | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |
| 71,650 lbs                                                                          | 4"          | 77,160 | 71,650 | 154,320 | 143,300 | 100,310 | 71,650   | 71,650 | 152,000 | 107,470  | 71,650 |

The following applies to both tables:

Specifications in tonnes [t] (top) and in lbs (bottom).

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

Subject to technical changes!



## SAFETY FACTOR 5:1

| THREAD SIZES<br>M64–M100                                                            |             |        |        |         |         |        |          |        |         |          |        |
|-------------------------------------------------------------------------------------|-------------|--------|--------|---------|---------|--------|----------|--------|---------|----------|--------|
| Number of strands                                                                   |             | 1      | 1      | 2       | 2       | 2      | 2        | 2      | 3/4     | 3/4      | 3/4    |
| Angle of inclination $\alpha \leq \beta$                                            |             | 0°     | 90°    | 0°      | 90°     | 0–45°  | > 45–60° | Asymm. | 0–45°   | > 45–60° | Asymm. |
| Factor                                                                              |             | 1      | 1      | 2       | 2       | 1.4    | 1        | 1      | 2.1     | 1.5      | 1      |
| Tonnage                                                                             | Thread size |        |        |         |         |        |          |        |         |          |        |
| For max. total load weight in tonnes, tightly screwed, and set in pulling direction |             |        |        |         |         |        |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |         |        |          |        |         |          |        |
| 26 t                                                                                | M64         | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | M72         | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | M80         | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | M90         | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | M100        | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| UNC inch thread                                                                     |             |        |        |         |         |        |          |        |         |          |        |
| 26 t                                                                                | 2 1/2"      | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | 3"          | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | 3 1/2"      | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| 26 t                                                                                | 4"          | 28     | 26     | 56      | 52      | 36.8   | 26       | 26     | 55      | 39       | 26     |
| For max. total load weight in lbs, tightly screwed, and set in pulling direction    |             |        |        |         |         |        |          |        |         |          |        |
| Metric threads                                                                      |             |        |        |         |         |        |          |        |         |          |        |
| 57,320 lbs                                                                          | M64         | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | M72         | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | M80         | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | M90         | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | M100        | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| UNC inch thread                                                                     |             |        |        |         |         |        |          |        |         |          |        |
| 57,320 lbs                                                                          | 2 1/2"      | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | 3"          | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | 3 1/2"      | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |
| 57,320 lbs                                                                          | 4"          | 61,720 | 57,320 | 123,440 | 114,640 | 81,000 | 57,320   | 57,320 | 121,590 | 85,980   | 57,320 |



# ACP-TURNADO

M8 – M30  
(1/2" – 1 1/4")

Metric thread /  
metric thread in chosen length.

UNC inch thread /  
UNC inch thread in chosen length.



# TECHNICAL DATA: METRIC THREADS

## ACP-TURNADO – ICE-BOLT THREAD– METRIC.

| Type                   | WLL<br>[t] | Weight<br>[kg/unit] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | L<br>[mm] | M   | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|---------------------------|-----------|
| ACP-TURNADO 0.7 t M8   | 0.7        | 0.36                | 11        | 10.5      | 38        | 30        | 12        | 28        | 45.3      | 13        | 58        | 40        | M8  | 5         | 83        | 30                        | 7912061   |
| ACP-TURNADO 1 t M10    | 1          | 0.37                | 11        | 10.5      | 38        | 30        | 16        | 28        | 50.4      | 17        | 58        | 44        | M10 | 6         | 83        | 60                        | 7912064   |
| ACP-TURNADO 1.35 t M12 | 1.35       | 0.38                | 11        | 10.5      | 38        | 30        | 19        | 28        | 54.5      | 19        | 58        | 47        | M12 | 8         | 83        | 80                        | 7909314   |
| ACP-TURNADO 2.5 t M16  | 2.5        | 0.88                | 14        | 14        | 50        | 40        | 22        | 36        | 68        | 24        | 76        | 58        | M16 | 10        | 107       | 150                       | 7909316   |
| ACP-TURNADO 4 t M20    | 4          | 1.41                | 17        | 17.25     | 50        | 45        | 26.5      | 43.5      | 82.5      | 30        | 89        | 70        | M20 | 12        | 118       | 300                       | 7909317   |
| ACP-TURNADO 6.3 t M24  | 6.3        | 3.27                | 23        | 23        | 66        | 60        | 34        | 55        | 104       | 36        | 121       | 89        | M24 | 14        | 154       | 500                       | 7909318   |
| ACP-TURNADO 8 t M30    | 8          | 5.69                | 29        | 27        | 75        | 75        | 41.5      | 68.5      | 129       | 46        | 148       | 110       | M30 | 17        | 183       | 800                       | 7909319   |

Subject to technical changes!

## ACP-TURNADO – METRIC IN CHOSEN LENGTH INCL. SECURING NUT AND WASHER.

| Type                   | WLL<br>[t] | Weight<br>[kg/unit] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F vario<br>[mm] | G<br>[mm] | H vario<br>[mm] | I<br>[mm] | K<br>[mm] | L vario<br>[mm] | M   | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|-----------------|-----|-----------|-----------|---------------------------|-----------|
| ACP-TURNADO 0.7 t M8   | 0.7        | <sup>1</sup>        | 11        | 10.5      | 38        | 30        | 8–77            | 28        | 41.3–110.3      | 13        | 58        | 36–105          | M8  | 5         | 83        | 30                        | 8600630   |
| ACP-TURNADO 1 t M10    | 1          | <sup>1</sup>        | 11        | 10.5      | 38        | 30        | 10–97           | 28        | 44.4–131.4      | 17        | 58        | 38–125          | M10 | 6         | 83        | 60                        | 8600631   |
| ACP-TURNADO 1.35 t M12 | 1.35       | <sup>1</sup>        | 11        | 10.5      | 38        | 30        | 12–117          | 28        | 47.5–153        | 19        | 58        | 40–145          | M12 | 8         | 83        | 80                        | 8600632   |
| ACP-TURNADO 2.5 t M16  | 2.5        | <sup>1</sup>        | 14        | 14        | 50        | 40        | 16–149          | 36        | 62–195          | 24        | 76        | 52–185          | M16 | 10        | 107       | 150                       | 8600634   |
| ACP-TURNADO 4 t M20    | 4          | <sup>1</sup>        | 17        | 17.25     | 50        | 45        | 20–186.5        | 43.5      | 66–242          | 30        | 89        | 53.5–230        | M20 | 12        | 118       | 300                       | 8600636   |
| ACP-TURNADO 6.3 t M24  | 6.3        | <sup>1</sup>        | 23        | 23        | 66        | 60        | 24–210          | 55        | 94–280          | 36        | 121       | 79–265          | M24 | 14        | 154       | 500                       | 8600638   |
| ACP-TURNADO 8 t M30    | 8          | <sup>1</sup>        | 29        | 27        | 75        | 75        | 30–271.5        | 68.5      | 117.5–359       | 46        | 148       | 98.5–340        | M30 | 17        | 183       | 800                       | 8600640   |

<sup>1</sup> Weight depends on the design.

Subject to technical changes!

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <p>ACP-TURNADO</p>                   | <p>ACP-TURNADO</p>                   | <p>ACP-TURNADO</p>                   |
| <p>ACP-TURNADO – variable length</p> | <p>ACP-TURNADO – variable length</p> | <p>ACP-TURNADO – variable length</p> |







# TECHNICAL DATA: UNC INCH THREAD

## ACP-TURNADO – UNC INCH THREAD.

| Type                   | WLL<br>[t] | Weight<br>[kg/unit] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | L<br>[mm] | M           | N     | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------|-----------|---------------------------|-----------|
| ACP – 1.35t 1/2"-13UNC | 1.35       | 0.39                | 11        | 10.5      | 38        | 30        | 18        | 28        | 54        | 3/4"      | 58        | 46        | 1/2"-13UNC  | 5/16" | 83        | 80                        | 7909417   |
| ACP – 2.5t 5/8"-11UNC  | 2.5        | 0.88                | 14        | 14        | 50        | 40        | 22        | 36        | 68        | 15/16"    | 76        | 58        | 5/8"-11UNC  | 3/8"  | 107       | 150                       | 7909418   |
| ACP – 4t 3/4"-10UNC    | 4          | 1.41                | 17        | 17.25     | 50        | 45        | 25.5      | 43.5      | 81        | 1 1/8"    | 89        | 69        | 3/4"-10UNC  | 1/2"  | 118       | 300                       | 7909419   |
| ACP – 6.3t 1"-8UNC     | 6.3        | 3.22                | 23        | 23        | 66        | 60        | 36        | 55        | 105.5     | 1 1/2"    | 121       | 91        | 1"-8UNC     | 9/16" | 154       | 500                       | 7909420   |
| ACP – 8t 1 1/4"-7UNC   | 8          | 5.77                | 29        | 27        | 75        | 75        | 46.5      | 68.5      | 134.5     | 1 7/8"    | 148       | 115       | 1 1/4"-7UNC | 5/8"  | 183       | 800                       | 7909421   |

Subject to technical changes!

## ACP-TURNADO – UNC INCH THREAD IN CHOSEN LENGTH.

| Type                   | WLL<br>[t] | Weight<br>[kg/unit] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F vario<br>[mm] | G<br>[mm] | H vario<br>[mm] | I<br>[mm] | K<br>[mm] | L vario<br>[mm] | M           | N     | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|-----------------|-------------|-------|-----------|---------------------------|-----------|
| ACP – 1.35t 1/2"-13UNC | 1.35       | <sup>1</sup>        | 11        | 10.5      | 38        | 30        | 13-124.4        | 28        | 51-160          | 3/4"      | 58        | 41-152.4        | 1/2"-13UNC  | 5/16" | 83        | 80                        | 8600632   |
| ACP – 2.5t 5/8"-11UNC  | 2.5        | <sup>1</sup>        | 14        | 14        | 50        | 40        | 16-148.4        | 36        | 62-194          | 15/16"    | 76        | 52-184          | 5/8"-11UNC  | 3/8"  | 107       | 150                       | 8600634   |
| ACP – 4t 3/4"-10UNC    | 4          | <sup>1</sup>        | 17        | 17.25     | 50        | 45        | 19-185          | 43.5      | 74.5-240        | 1 1/8"    | 89        | 62.5-228.6      | 3/4"-10UNC  | 1/2"  | 118       | 300                       | 8600636   |
| ACP – 6.3t 1"-8UNC     | 6.3        | <sup>1</sup>        | 23        | 23        | 66        | 60        | 25-199          | 55        | 94.5-270        | 1 1/2"    | 121       | 80-254          | 1"-8UNC     | 9/16" | 154       | 500                       | 8600638   |
| ACP – 8t 1 1/4"-7UNC   | 8          | <sup>1</sup>        | 29        | 27        | 75        | 75        | 32-271          | 68.5      | 120-359         | 1 7/8"    | 148       | 100.5-339.5     | 1 1/4"-7UNC | 5/8"  | 183       | 800                       | 8600640   |

<sup>1</sup> Weight depends on the design.

Subject to technical changes!

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <p>ACP-TURNADO</p>                   | <p>ACP-TURNADO</p>                   | <p>ACP-TURNADO</p>                   |
| <p>ACP-TURNADO – variable length</p> | <p>ACP-TURNADO – variable length</p> | <p>ACP-TURNADO – variable length</p> |

# ACP-TURNADO MAX

M36 – M56  
(1 1/2" – 2")

Metric thread /  
metric thread in chosen length.

UNC inch thread /  
UNC inch thread in chosen length.



# TECHNICAL DATA: METRIC THREADS

## ACP-TURNADO MAX – METRIC.

| Type                 | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | L<br>[mm] | M   | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|----------------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|---------------------------|-----------|
| ACP M36              | 12.5       | 7.1                 | 106       | 32        | 32        | 82        | 70        | 45        | 60        | 128       | 55        | 168       | 105       | M36 | 22        | 189       | 800                       | 7911052   |
| ACP M42              | 16         | 7.5                 | 106       | 32        | 32        | 82        | 70        | 53        | 60        | 136       | 65        | 168       | 113       | M42 | 24        | 189       | 1,500                     | 7911053   |
| ACP M48              | 20         | 16                  | 126       | 45        | 45        | 103       | 90        | 60.5      | 78.5      | 169       | 75        | 204       | 139       | M48 | 27        | 235       | 2,000                     | 7912630   |
| ACP M52 <sup>1</sup> | 24         | 16.5                | 123.5     | 45        | 45        | 103       | 95        | 65        | 108       | 173       | 75        | 204       | –         | M52 | 24        | 232       | 2,000                     | 7912631   |
| ACP M56 <sup>1</sup> | 27         | 16.7                | 123.5     | 45        | 45        | 103       | 95        | 70        | 108       | 178       | 75        | 204       | –         | M56 | 24        | 232       | 2,000                     | 7912632   |

<sup>1</sup> Bolt cannot be replaced.

Subject to technical changes!

## ACP-TURNADO MAX – METRIC IN CHOSEN LENGTH.

| Type                 | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F vario<br>[mm] | G<br>[mm] | H vario<br>[mm] | I<br>[mm] | K<br>[mm] | L vario<br>[mm] | M   | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|----------------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|-----------------|-----|-----------|-----------|---------------------------|-----------|
| ACP M36              | 12.5       | <sup>2</sup>        | 106       | 32        | 32        | 82        | 70        | 36–240          | 60        | 119–323         | 55        | 168       | 96–300          | M36 | 22        | 189       | 800                       | 8600642   |
| ACP M42              | 16         | <sup>2</sup>        | 106       | 32        | 32        | 82        | 70        | 42–290          | 60        | 125–373         | 65        | 168       | 102–350         | M42 | 24        | 189       | 1,500                     | 8600644   |
| ACP M48              | 20         | <sup>2</sup>        | 126       | 45        | 45        | 103       | 90        | 48–311.5        | 78.5      | 156.5–420       | 75        | 204       | 126.5–390       | M48 | 27        | 235       | 2,000                     | 8600645   |
| ACP M52 <sup>1</sup> | 24         | <sup>2</sup>        | 123.5     | 45        | 45        | 103       | 95        | 52–300          | –         | 160–408         | 75        | 204       | –               | M52 | 24        | 232       | 2,000                     | 8600647   |
| ACP M56 <sup>1</sup> | 27         | <sup>2</sup>        | 123.5     | 45        | 45        | 103       | 95        | 56–300          | –         | 164–408         | 75        | 204       | –               | M56 | 24        | 232       | 2,000                     | 8600648   |

<sup>1</sup> Bolt cannot be replaced.

Subject to technical changes!

<sup>2</sup> Weight depends on the design.

|                                          |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|
| <p>ACP-TURNADO MAX</p>                   | <p>ACP-TURNADO MAX</p>                   | <p>ACP-TURNADO MAX</p>                   |
| <p>ACP-TURNADO MAX – variable length</p> | <p>ACP-TURNADO MAX – variable length</p> | <p>ACP-TURNADO MAX – variable length</p> |





# TECHNICAL DATA: UNC INCH THREAD

## ACP-TURNADO MAX – UNC INCH THREAD.

| Type       | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | L<br>[mm] | M           | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|---------------------------|-----------|
| ACP 1 1/2" | 14         | 7.3                 | 106       | 32        | 32        | 82        | 70        | 48        | 60        | 131       | 2 1/4"    | 168       | 108       | 1 1/2"-6UNC | 7/8"      | 189       | 800                       | 7911054   |
| ACP 1 3/4" | 16         | 7.5                 | 104       | 32        | 32        | 82        | 70        | 56        | 60        | 141       | 2 5/8"    | 168       | 117       | 1 3/4"-5UNC | 1"        | 189       | 1,500                     | 7911055   |
| ACP 2"     | 22         | 14.9                | 126       | 45        | 45        | 103       | 90        | 63.5      | 79        | 172       | 3"        | 204       | 142       | 2"-4.5UNC   | 1 1/8"    | 235       | 2,000                     | 7912638   |

Subject to technical changes!

## ACP-TURNADO MAX – UNC INCH THREAD IN CHOSEN LENGTH.

| Type       | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F vario<br>[mm] | G<br>[mm] | H vario<br>[mm] | I<br>[mm] | K<br>[mm] | L vario<br>[mm] | M           | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|-----------------|-------------|-----------|-----------|---------------------------|-----------|
| ACP 1 1/2" | 14         | <sup>1</sup>        | 106       | 32        | 32        | 82        | 70        | 48-287          | 60        | 131-370         | 2 1/4"    | 168       | 108-347         | 1 1/2"-6UNC | 7/8"      | 189       | 800                       | 8600643   |
| ACP 2"     | 22         | <sup>1</sup>        | 126       | 45        | 45        | 103       | 90        | 51-311          | 79        | 160-420         | 3"        | 204       | 130-390         | 2"-4.5UNC   | 1 1/8"    | 235       | 2,000                     | 8600646   |

<sup>1</sup> Weight depends on the design.

Subject to technical changes!

|                                          |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|
| <p>ACP-TURNADO MAX</p>                   | <p>ACP-TURNADO MAX</p>                   | <p>ACP-TURNADO MAX</p>                   |
| <p>ACP-TURNADO MAX – variable length</p> | <p>ACP-TURNADO MAX – variable length</p> | <p>ACP-TURNADO MAX – variable length</p> |



# ACP-TURNADO SUPERMAX

M64 – M100  
(2 1/2" – 4")

Metric thread /  
metric thread in chosen length.

UNC inch thread /  
UNC inch thread in chosen length.





# TECHNICAL DATA: METRIC THREADS

## ACP-TURNADO SUPERMAX – METRIC.

| Type     | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | M    | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|----------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-----------|-----------|---------------------------|-----------|
| ACP M64  | 32.5       | 17.2                | 123.5     | 45        | 45        | 103       | 95        | 80        | 108       | 188       | 75        | 204       | M64  | 24        | 232       | 2,000                     | 7912633   |
| ACP M72  | 32.5       | 18.2                | 123.5     | 45        | 45        | 103       | 95        | 90        | 108       | 198       | 75        | 204       | M72  | 24        | 232       | 2,000                     | 7912634   |
| ACP M80  | 32.5       | 19.3                | 123.5     | 45        | 45        | 103       | 95        | 100       | 108       | 208       | 75        | 204       | M80  | 24        | 232       | 2,000                     | 7912635   |
| ACP M90  | 32.5       | 21.5                | 123.5     | 45        | 45        | 103       | 110       | 113       | 116       | 229       | 75        | 204       | M90  | 24        | 240       | 2,000                     | 7912636   |
| ACP M100 | 32.5       | 23.8                | 123.5     | 45        | 45        | 103       | 110       | 125       | 116       | 241       | 75        | 204       | M100 | 24        | 240       | 2,000                     | 7912637   |

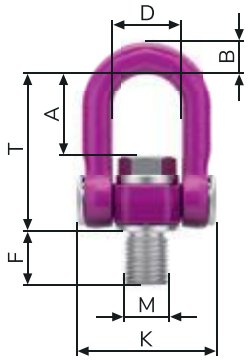
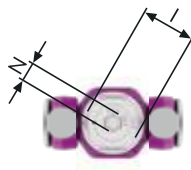
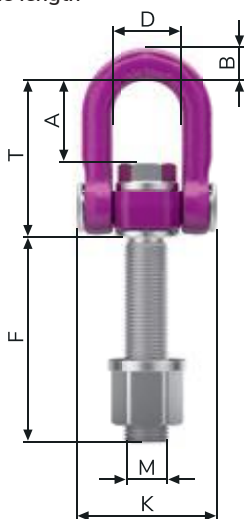
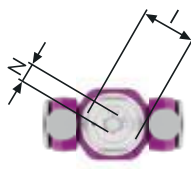
Subject to technical changes!

## ACP-TURNADO SUPERMAX – METRIC IN CHOSEN LENGTH.

| Type     | WLL<br>[t] | Weight<br>(kg/unit) | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F vario<br>[mm] | G<br>[mm] | H vario<br>[mm] | I<br>[mm] | K<br>[mm] | M    | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|----------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|------|-----------|-----------|---------------------------|-----------|
| ACP M64  | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 95        | 64–300          | 108       | 172–408         | 75        | 204       | M64  | 24        | 232       | 2,000                     | 8600649   |
| ACP M72  | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 95        | 72–300          | 108       | 180–408         | 75        | 204       | M72  | 24        | 232       | 2,000                     | 8600649   |
| ACP M80  | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 95        | 80–300          | 108       | 188–408         | 75        | 204       | M80  | 24        | 232       | 2,000                     | 8600649   |
| ACP M90  | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 110       | 90–300          | 116       | 206–416         | 75        | 204       | M90  | 24        | 240       | 2,000                     | 8600649   |
| ACP M100 | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 110       | 100–300         | 116       | 216–416         | 75        | 204       | M100 | 24        | 240       | 2,000                     | 8600649   |

<sup>1</sup> Weight depends on the design.

Subject to technical changes!

|                                                                                                                                   |                                                                                                                                   |                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <p>ACP-TURNADO SUPERMAX</p>                    | <p>ACP-TURNADO SUPERMAX</p>                    | <p>ACP-TURNADO SUPERMAX</p>                    |
| <p>ACP-TURNADO SUPERMAX – variable length</p>  | <p>ACP-TURNADO SUPERMAX – variable length</p>  | <p>ACP-TURNADO SUPERMAX – variable length</p>  |



100

RUD

ACP-TURNADO  
SUPERMAX

M64  
(2 1/2"-4)

# TECHNICAL DATA: UNC INCH THREAD

## ACP-TURNADO SUPERMAX – UNC INCH THREAD.

| Type       | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | M           | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|---------------------------|-----------|
| ACP 2 1/2" | 32.5       | 17.2                | 123.5     | 45        | 45        | 103       | 95        | 79        | 108       | 187       | 75        | 204       | 2 1/2"-4UNC | 24        | 232       | 2,000                     | 7912639   |
| ACP 3"     | 32.5       | 18.7                | 123.5     | 45        | 45        | 103       | 95        | 95        | 108       | 203       | 75        | 204       | 3"-4UNC     | 24        | 232       | 2,000                     | 7912640   |
| ACP 3 1/2" | 32.5       | 21.5                | 123.5     | 45        | 45        | 103       | 110       | 111       | 116       | 227       | 75        | 204       | 3 1/2"-4UNC | 24        | 240       | 2,000                     | 7912641   |
| ACP 4"     | 32.5       | 24                  | 123.5     | 45        | 45        | 103       | 120       | 127       | 116       | 243       | 75        | 204       | 4"-4UNC     | 24        | 240       | 2,000                     | 8600649   |

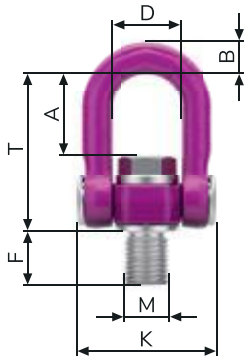
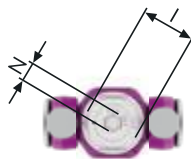
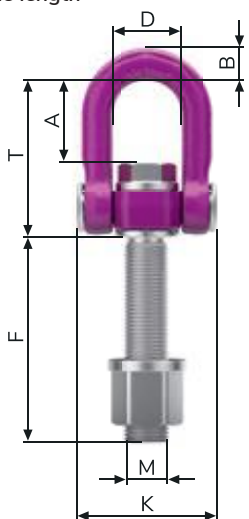
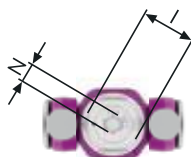
Subject to technical changes!

## ACP-TURNADO SUPERMAX – UNC INCH THREAD IN CHOSEN LENGTH.

| Type       | WLL<br>[t] | Weight<br>[kg/unit] | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F vario<br>[mm] | G<br>[mm] | H vario<br>[mm] | I<br>[mm] | K<br>[mm] | M           | N<br>[mm] | T<br>[mm] | Tightening<br>torque [Nm] | Order no. |
|------------|------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|-------------|-----------|-----------|---------------------------|-----------|
| ACP 2 1/2" | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 95        | 63.5–300        | 108       | 171.5–408       | 75        | 204       | 2 1/2"-4UNC | 24        | 232       | 2,000                     | 8600649   |
| ACP 3"     | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 95        | 76–300          | 108       | 184–408         | 75        | 204       | 3"-4UNC     | 24        | 232       | 2,000                     | 8600649   |
| ACP 3 1/2" | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 110       | 89–300          | 116       | 205–416         | 75        | 204       | 3 1/2"-4UNC | 24        | 240       | 2,000                     | 8600649   |
| ACP 4"     | 32.5       | <sup>1</sup>        | 123.5     | 45        | 45        | 103       | 120       | 102–300         | 116       | 218–416         | 75        | 204       | 4"-4UNC     | 24        | 240       | 2,000                     | 8600649   |

<sup>1</sup> Weight depends on the design.

Subject to technical changes!

|                                                                                                                                   |                                                                                                                                   |                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <p>ACP-TURNADO SUPERMAX</p>                    | <p>ACP-TURNADO SUPERMAX</p>                    | <p>ACP-TURNADO SUPERMAX</p>                    |
| <p>ACP-TURNADO SUPERMAX – variable length</p>  | <p>ACP-TURNADO SUPERMAX – variable length</p>  | <p>ACP-TURNADO SUPERMAX – variable length</p>  |





**RUD Ketten**  
**Rieger & Dietz GmbH u. Co. KG**

Friedensinsel  
73432 Aalen, Germany

Phone: +49 7361 504-1070

Mail: [sling@rud.com](mailto:sling@rud.com)  
Web: [slingandlashing.rud.com](http://slingandlashing.rud.com)  
[www.rud.com](http://www.rud.com)