

# PP-S/PP-B/PP-VIP

## PowerPoint®-Star/-Eye Connection/ -VIP-Chain Connection

### Product Features:

- Large WLL range 0.63 t – 8 t
- Rotatable 90° to the bolt-on direction under WLL
- Lowest kinking possibility due to cardan joint
- 360° rotatable, 230° pivotable
- Double ball bearing for tilting, rotating and turning under load
- Universal, non-mix-up VIP connection for chains, hooks and eyes

### Product Description:

**PP-S:** The shape of the hook tip prevents hinging in small openings and the WLL on the hook tip. Robust forged safety latch. Universal connection with hook for ring suspensions, round slings, wire ropes, hook suspensions.

**PP-B:** Eye connection for hook suspension.

**PP-VIP:** Universal and non-mix-up clevis connection for easy construction with chains, hooks and eye. Direct chain connection.



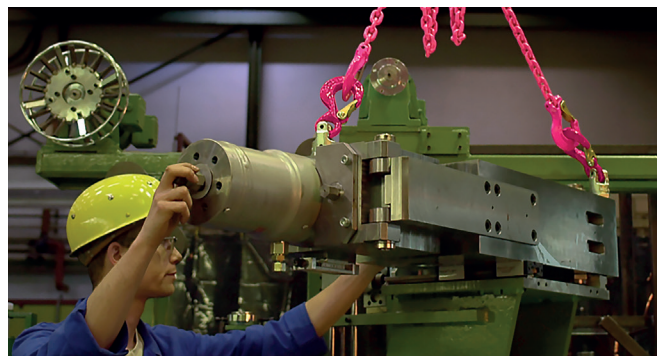
PP-S



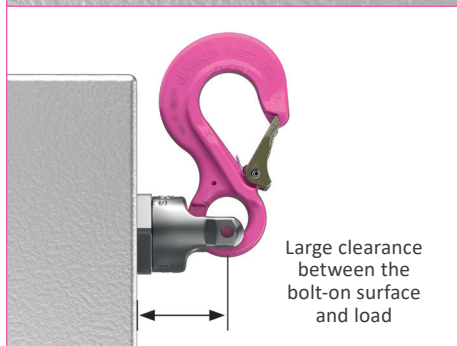
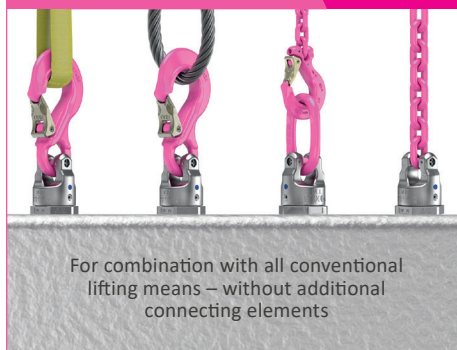
PP-B



PP-VIP

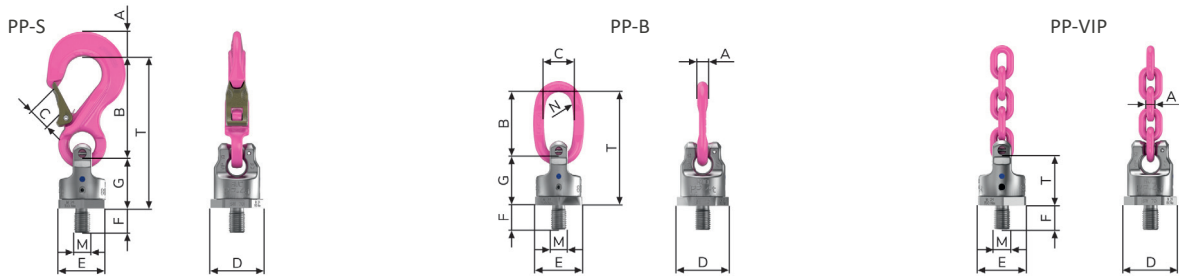


### PRODUCT DETAILS



# PP-S/PP-B/PP-VIP

## Metric/UNC Thread



### PP-S/PP-B/PP-VIP - Metric Thread

| Type                                                     | WLL (t)              | Weight (kg/unit) | T (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | M   | N (mm) | Tightening Torque (Nm) | Model Number |
|----------------------------------------------------------|----------------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--------|------------------------|--------------|
| <b>PP-S – PowerPoint – Star Universal Connection</b>     |                      |                  |        |        |        |        |        |        |        |        |     |        |                        |              |
| PP-S-0.63t-M12                                           | 0.63                 | 0.4              | 116    | 13     | 75     | 18     | 40     | 36     | 18     | 41     | M12 | -      | 10                     | 7990719      |
| PP-S-1.5t-M16                                            | 1.5                  | 0.9              | 146    | 20     | 97     | 25     | 46     | 41     | 24     | 50     | M16 | -      | 30                     | 7989719      |
| PP-S-2.5t-M20                                            | 2.5                  | 1.7              | 187    | 28     | 126    | 30     | 61     | 55     | 30     | 61     | M20 | -      | 70                     | 7989075      |
| PP-S-4t-M24                                              | 4                    | 3.5              | 227    | 36     | 150    | 35     | 78     | 70     | 36     | 77     | M24 | -      | 150                    | 7989076      |
| PP-S-5t-M30                                              | 5 (6.7) <sup>1</sup> | 7.5              | 267    | 37     | 174    | 40     | 95     | 85     | 45     | 93     | M30 | -      | 225                    | 7989720      |
| PP-S-8t-M36                                              | 8 (10) <sup>1</sup>  | 9.2              | 310    | 49     | 208    | 48     | 100    | 90     | 54     | 102    | M36 | -      | 410                    | 7989077      |
| <b>PP-B – PowerPoint – Eye Connection</b>                |                      |                  |        |        |        |        |        |        |        |        |     |        |                        |              |
| PP-B-0.63t-M12                                           | 0.63                 | 0.35             | 106    | 9      | 65     | 35     | 40     | 36     | 18     | 41     | M12 | 15     | 10                     | 7989522      |
| PP-B-1.5t-M16                                            | 1.5                  | 0.6              | 115    | 11     | 65     | 35     | 46     | 41     | 24     | 49     | M16 | 15     | 30                     | 7989523      |
| PP-B-2.5t-M20                                            | 2.5                  | 1.1              | 136    | 13     | 75     | 40     | 61     | 55     | 30     | 61     | M20 | 18     | 70                     | 7989081      |
| PP-B-4t-M24                                              | 4                    | 2.4              | 172    | 16     | 95     | 45     | 78     | 70     | 36     | 77     | M24 | 20     | 150                    | 7989082      |
| PP-B-5t-M30                                              | 5 (6.7) <sup>1</sup> | 5.2              | 223    | 21     | 130    | 60     | 95     | 85     | 45     | 93     | M30 | 25     | 225                    | 7989524      |
| PP-B-8t-M36                                              | 8 (10) <sup>1</sup>  | 6.3              | 242    | 24     | 140    | 65     | 100    | 90     | 54     | 102    | M36 | 28     | 410                    | 7989083      |
| <b>PP-VIP – PowerPoint – Direct VIP-Chain Connection</b> |                      |                  |        |        |        |        |        |        |        |        |     |        |                        |              |
| PP-VIP4-0.63t-M12                                        | 0.63                 | 0.25             | 41     | 4      | -      | -      | 40     | 36     | 18     | -      | M12 | -      | 10                     | 7989525      |
| PP-VIP6-1.5t-M16                                         | 1.5                  | 0.45             | 49     | 6      | -      | -      | 46     | 41     | 24     | -      | M16 | -      | 30                     | 7989526      |
| PP-VIP8-2.5t-M20                                         | 2.5                  | 0.95             | 61     | 8      | -      | -      | 61     | 55     | 30     | -      | M20 | -      | 70                     | 7989527      |
| PP-VIP10-4t-M24                                          | 4                    | 2.2              | 77     | 10     | -      | -      | 78     | 70     | 36     | -      | M24 | -      | 150                    | 7989528      |
| PP-VIP13-5t-M30                                          | 5 (6.7) <sup>1</sup> | 3.5              | 93     | 13     | -      | -      | 95     | 85     | 45     | -      | M30 | -      | 225                    | 7989529      |
| PP-VIP16-8t-M36                                          | 8 (10) <sup>1</sup>  | 4.7              | 102    | 16     | -      | -      | 100    | 90     | 54     | -      | M36 | -      | 410                    | 7989530      |

<sup>1</sup>( ) = Higher WLL with axial load.  
Subject to technical changes!

### PP-S/PP-B/PP-VIP - UNC Thread

| Type                                                     | WLL (t)              | Weight (kg/unit) | T (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | M           | N (mm) | Tightening Torque (Nm) | Model Number |
|----------------------------------------------------------|----------------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|--------|------------------------|--------------|
| <b>PP-S – PowerPoint – Star Universal Connection</b>     |                      |                  |        |        |        |        |        |        |        |        |             |        |                        |              |
| PP-S-0.63t-1/2"-13UNC                                    | 0.63                 | 0.4              | 116    | 13     | 75     | 18     | 40     | 36     | 18     | 41     | 1/2"-13UNC  | -      | 10                     | 8600581      |
| PP-S-1.5t-5/8"-11UNC                                     | 1.5                  | 0.9              | 146    | 20     | 97     | 25     | 46     | 41     | 25     | 49     | 5/8"-11UNC  | -      | 30                     | 8600582      |
| PP-S-2.5t-3/4"-10UNC                                     | 2.5                  | 1.7              | 187    | 28     | 126    | 30     | 61     | 55     | 30     | 61     | 3/4"-10UNC  | -      | 70                     | 8600583      |
| PP-S-2.5t-7/8"-9UNC                                      | 2.5                  | 1.7              | 187    | 28     | 126    | 30     | 61     | 55     | 30     | 61     | 7/8"-9UNC   | -      | 70                     | 8600583      |
| PP-S-4t-1"-8UNC                                          | 4                    | 3.5              | 227    | 36     | 150    | 35     | 78     | 70     | 36     | 77     | 1"-8UNC     | -      | 150                    | 8600584      |
| PP-S-5t-1-1/4"-7UNC                                      | 5 (6.7) <sup>1</sup> | 7.5              | 267    | 37     | 174    | 40     | 95     | 85     | 45     | 93     | 1-1/4"-7UNC | -      | 225                    | 8600585      |
| PP-S-8t-1-1/2"-6UNC                                      | 8 (10) <sup>1</sup>  | 9.2              | 310    | 49     | 208    | 48     | 100    | 90     | 54     | 102    | 1-1/2"-6UNC | -      | 410                    | 8600526      |
| <b>PP-B – PowerPoint – Eye Connection</b>                |                      |                  |        |        |        |        |        |        |        |        |             |        |                        |              |
| PP-B-0.63t-1/2"-13UNC                                    | 0.63                 | 0.35             | 106    | 9      | 65     | 35     | 40     | 36     | 18     | 41     | 1/2"-13UNC  | 15     | 10                     | 8600591      |
| PP-B-1.5t-5/8"-11UNC                                     | 1.5                  | 0.6              | 115    | 11     | 65     | 35     | 46     | 41     | 24     | 50     | 5/8"-11UNC  | 15     | 30                     | 8600592      |
| PP-B-2.5t-3/4"-10UNC                                     | 2.5                  | 1.1              | 136    | 13     | 75     | 40     | 61     | 55     | 30     | 61     | 3/4"-10UNC  | 18     | 70                     | 8600593      |
| PP-B-2.5t-7/8"-9UNC                                      | 2.5                  | 1.1              | 136    | 13     | 75     | 40     | 61     | 55     | 30     | 61     | 7/8"-9UNC   | 18     | 70                     | 8600593      |
| PP-B-4t-1"-8UNC                                          | 4                    | 2.4              | 172    | 16     | 95     | 45     | 78     | 70     | 36     | 77     | 1"-8UNC     | 20     | 150                    | 8600594      |
| PP-B-5t-1-1/4"-7UNC                                      | 5 (6.7) <sup>1</sup> | 5.2              | 223    | 21     | 130    | 60     | 95     | 85     | 45     | 93     | 1-1/4"-7UNC | 25     | 225                    | 8600595      |
| PP-B-8t-1-1/2"-6UNC                                      | 8 (10) <sup>1</sup>  | 6.3              | 242    | 24     | 140    | 65     | 100    | 90     | 54     | 102    | 1-1/2"-6UNC | 28     | 410                    | 8600566      |
| <b>PP-VIP – PowerPoint – Direct VIP-Chain Connection</b> |                      |                  |        |        |        |        |        |        |        |        |             |        |                        |              |
| PP-VIP-0.63t-1/2"-13UNC                                  | 0.63                 | 0.25             | 41     | 4      | -      | -      | 40     | 36     | 18     | -      | 1/2"-13UNC  | -      | 10                     | 8600571      |
| PP-VIP-1.5t-5/8"-11UNC                                   | 1.5                  | 0.45             | 49     | 6      | -      | -      | 46     | 41     | 24     | -      | 5/8"-11UNC  | -      | 30                     | 8600572      |
| PP-VIP-2.5t-3/4"-10UNC                                   | 2.5                  | 0.95             | 61     | 8      | -      | -      | 61     | 55     | 30     | -      | 3/4"-10UNC  | -      | 70                     | 8600573      |
| PP-VIP-2.5t-7/8"-9UNC                                    | 2.5                  | 1                | 61     | 8      | -      | -      | 61     | 55     | 30     | -      | 7/8"-9UNC   | -      | 70                     | 8600573      |
| PP-VIP-4t-1"-8UNC                                        | 4                    | 2.2              | 77     | 10     | -      | -      | 78     | 70     | 36     | -      | 1"-8UNC     | -      | 150                    | 8600574      |
| PP-VIP-5t-1-1/4"-7UNC                                    | 5 (6.7) <sup>1</sup> | 3.5              | 93     | 13     | -      | -      | 95     | 85     | 45     | -      | 1-1/4"-7UNC | -      | 225                    | 8600575      |
| PP-VIP-8t-1-1/2"-6UNC                                    | 8 (10) <sup>1</sup>  | 4.7              | 102    | 16     | -      | -      | 100    | 90     | 54     | -      | 1-1/2"-6UNC | -      | 410                    | 8600305      |

<sup>1</sup>( ) = Higher WLL with axial load.  
Subject to technical changes!