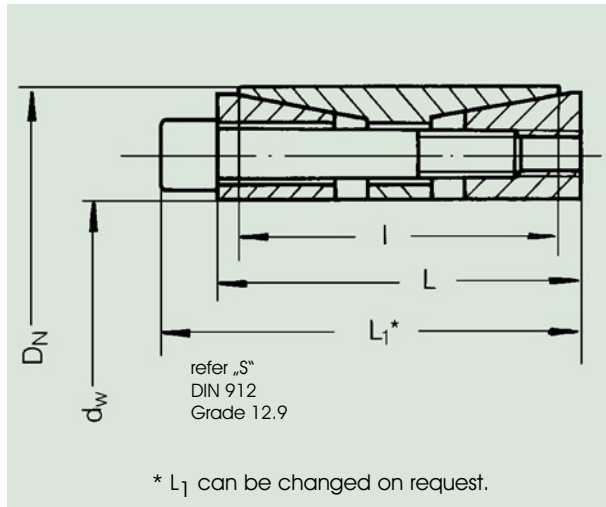


# TAS RB - CONVEYOR PULLEY LOCKING ASSEMBLIES

with low surface pressure



$M_t$  = Max. Transmissible torque per locking assembly

$M_A$  = Tightening torque per screw

$P_{ax}$  = Transmission axial force

$\rho_w \rho_N$  = Contact pressure between locking assembly and shaft ( $\rho_w$ ) resp. hub ( $\rho_N$ )

$L_1$  and L for unlocked assemblies

| mm<br>dxD | Nm<br>$M_t$ | kN<br>$P_{ax}$ | mm<br>L1 | mm<br>L | mm<br>l | Pieces | S        | Nm<br>$M_A$ | N/mm <sup>2</sup><br>$\rho_w$ $\rho_N$ |      | Number of<br>rel. threads | Weight<br>kg |
|-----------|-------------|----------------|----------|---------|---------|--------|----------|-------------|----------------------------------------|------|---------------------------|--------------|
| 100x145   | 7950        | 159            | 84       | 74      | 62      | 7      | M 10x 60 | 83          | 87,3                                   | 60,2 | 7/ 6                      | 4,4          |
| 110x155   | 10050       | 182            | 84       | 74      | 62      | 8      | M 10x 60 | 83          | 90,9                                   | 64,5 | 8/ 7                      | 4,8          |
| 120x165   | 12300       | 205            | 86       | 76      | 64      | 9      | M 10x 60 | 83          | 89,8                                   | 65,3 | 9/ 8                      | 5,3          |
| 130x180   | 14800       | 227            | 86       | 76      | 64      | 10     | M 10x 60 | 83          | 92,3                                   | 66,7 | 10 / 9                    | 5,9          |
| 140x190   | 17500       | 250            | 88       | 78      | 66      | 11     | M 10x 60 | 83          | 90,9                                   | 66,7 | 11/ 10                    | 6,8          |
| 150x200   | 19020       | 253            | 94       | 84      | 62      | 11     | M 10x 70 | 83          | 80,1                                   | 60   | 11/ 10                    | 9            |
| 160x210   | 23900       | 298            | 104      | 92      | 78      | 9      | M 12x 75 | 145         | 79,9                                   | 60,9 | 9/ 8                      | 9,3          |
| 170x225   | 28200       | 331            | 104      | 92      | 78      | 10     | M 12x 75 | 145         | 83,4                                   | 63   | 10 / 9                    | 11           |
| 180x235   | 30210       | 335            | 98       | 86      | 75      | 10     | M 12x 70 | 145         | 85,3                                   | 63,1 | 10 / 9                    | 13           |
| 190x250   | 38900       | 409            | 126      | 112     | 85      | 9      | M 14x 80 | 230         | 86                                     | 68   | 9/ 8                      | 15           |
| 200x260   | 45500       | 455            | 126      | 112     | 85      | 10     | M 14x 90 | 230         | 80                                     | 70   | 10 / 9                    | 17           |
| 220x285   | 55000       | 500            | 126      | 112     | 85      | 11     | M 14x 90 | 230         | 80                                     | 71   | 11/ 10                    | 20,6         |
| 240x305   | 69130       | 576            | 126      | 112     | 85      | 9      | M 16x 90 | 355         | 86                                     | 78,3 | 10 / 9                    | 23           |
| 260x325   | 90500       | 696            | 140      | 124     | 97      | 11     | M 16x100 | 355         | 81,4                                   | 65,1 | 11/ 10                    | 26           |
| 280x355   | 116490      | 832            | 136      | 136     | 108     | 13     | M 16x 90 | 355         | 85,7                                   | 60,9 | 14/14                     | 37           |
| 300x375   | 124810      | 832            | 127      | 127     | 108     | 13     | M 16x 90 | 355         | 82,7                                   | 57,7 | 14/14                     | 37           |
| 320x405   | 151800      | 948            | 167      | 151     | 135     | 15     | M 16x110 | 355         | 70,6                                   | 55,7 | 15/14                     | 52           |
| 340x425   | 150340      | 884            | 142      | 142     | 120     | 15     | M 16x 90 | 355         | 70,4                                   | 48,4 | 15/14                     | 53           |
| 360x455   | 204310      | 1135           | 178      | 160     | 130     | 16     | M 18x130 | 485         | 77,4                                   | 53,4 | 16/15                     | 68           |
| 380x475   | 246790      | 1298           | 192      | 172     | 145     | 13     | M 20x130 | 690         | 75,6                                   | 51,8 | 14/14                     | 90           |
| 400x495   | 319720      | 1598           | 192      | 172     | 145     | 16     | M 20x130 | 690         | 88,3                                   | 64,9 | 16/15                     | 90           |
| 420x515   | 335710      | 1598           | 190      | 180     | 145     | 16     | M 20x130 | 690         | 78,9                                   | 63,3 | 16/15                     | 90           |
| 440x545   | 391000      | 1777           | 200      | 180     | 160     | 18     | M 20x130 | 690         | 81,3                                   | 65,6 | 18/17                     | 102          |
| 460x565   | 413640      | 1798           | 190      | 180     | 145     | 18     | M 20x130 | 690         | 80                                     | 60,9 | 18/17                     | 112          |
| 480x585   | 474000      | 1975           | 200      | 180     | 160     | 20     | M 20x130 | 690         | 82,8                                   | 67,9 | 20/19                     | 110          |
| 500x605   | 499500      | 1998           | 190      | 180     | 140     | 20     | M 20x130 | 690         | 82,8                                   | 78,2 | 20/19                     | 120          |
| 520x630   | 575300      | 2212           | 224      | 202     | 180     | 18     | M 22x140 | 930         | 75,1                                   | 62   | 18/17                     | 141          |
| 540x650   | 630500      | 2335           | 224      | 202     | 180     | 19     | M 22x140 | 930         | 76,3                                   | 63,4 | 19/18                     | 146          |
| 560x670   | 688000      | 2457           | 224      | 202     | 180     | 20     | M 22x140 | 930         | 77,5                                   | 64,8 | 20/19                     | 150          |
| 580x690   | 664450      | 2291           | 208      | 208     | 180     | 20     | M 22x140 | 930         | 76                                     | 51   | 20/19                     | 155          |
| 600x710   | 687360      | 2291           | 208      | 208     | 180     | 20     | M 22x140 | 930         | 73,4                                   | 57   | 20/19                     | 164          |
| 620x730   | 781200      | 2520           | 208      | 208     | 180     | 22     | M 22x140 | 930         | 89,3                                   | 60   | 22/21                     | 173          |

Further sizes on request. When ordering, show: TAS RB/d/D