



## TAPR...U

BALL JOINT ENDS

WITH GREASE NIPPLE  
COUPLING: STEEL/STEEL



| ARTICLE (*)    | d   | TOLERANCES |         | S  | D4    | I   | D1  | D2  | S1 | S2 | L     | L1  | D3  | LF  | F        | LOAD FACTORS |           | RADIAL CLEARANCE | SWINGING ANGLE $\alpha$ | SCREW: K UNI 5931 | SCREWS CLOSING COUPLE Nm | WEIGHT Kg. |
|----------------|-----|------------|---------|----|-------|-----|-----|-----|----|----|-------|-----|-----|-----|----------|--------------|-----------|------------------|-------------------------|-------------------|--------------------------|------------|
|                |     | d          | S       |    |       |     |     |     |    |    |       |     |     |     |          | Dynamic C    | Static Co |                  |                         |                   |                          |            |
| mm.            |     |            |         |    |       |     |     |     |    |    |       |     |     |     |          | KN           | mm.       | degree           |                         |                   |                          |            |
| TAPR 20 U      | 20  | 0+-0.010   | 0+-0.12 | 16 | 24.1  | 50  | 56  | 46  | 19 | 17 | 80    | 25  | 25  | 17  | M 16X1,5 | 30           | 81.1      | 0.030-0.082      | 9                       | M 8X18            | 25                       | 0.44       |
| TAPR 25 U      | 25  | 0+-0.010   | 0+-0.12 | 20 | 29.3  | 50  | 56  | 46  | 23 | 21 | 80    | 28  | 25  | 17  | M 16X1.5 | 48           | 72        | 0.037-0.100      | 7                       | M 8X20            | 25                       | 0.47       |
| TAPR 30 U      | 30  | 0+-0.010   | 0+-0.12 | 22 | 34.2  | 60  | 64  | 50  | 28 | 26 | 94    | 30  | 32  | 23  | M 22X1.5 | 62           | 106       | 0.037-0.100      | 6                       | M 8X25            | 25                       | 0.77       |
| TAPR 35 U      | 35  | 0+-0.012   | 0+-0.12 | 25 | 39.7  | 70  | 78  | 66  | 30 | 28 | 112   | 38  | 40  | 29  | M 28X1.5 | 80           | 153       | 0.037-0.100      | 6                       | M10X30            | 49                       | 1.24       |
| TAPR 40 U      | 40  | 0+-0.012   | 0+-0.12 | 28 | 45    | 85  | 94  | 76  | 35 | 33 | 135   | 45  | 49  | 36  | M 35X1.5 | 100          | 250       | 0.043-0.120      | 7                       | M10X35            | 49                       | 2.12       |
| TAPR 50 U      | 50  | 0+-0.012   | 0+-0.12 | 35 | 56    | 105 | 116 | 90  | 40 | 37 | 168   | 55  | 61  | 46  | M 45X1.5 | 156          | 365       | 0.043-0.120      | 6                       | M12X40            | 86                       | 3.74       |
| TAPR 60 U      | 60  | 0+-0.015   | 0+-0.15 | 44 | 66.8  | 130 | 130 | 120 | 50 | 46 | 200   | 65  | 75  | 59  | M 58X1.5 | 245          | 400       | 0.043-0.120      | 6                       | M16X45            | 210                      | 6.49       |
| TAPR 70 U      | 70  | 0+-0.015   | 0+-0.15 | 49 | 77.8  | 150 | 154 | 130 | 55 | 51 | 232   | 75  | 86  | 66  | M 65X1.5 | 315          | 540       | 0.055-0.142      | 6                       | M16X50            | 210                      | 9.88       |
| TAPR 80 U      | 80  | 0+-0.015   | 0+-0.15 | 55 | 89.4  | 170 | 176 | 160 | 60 | 55 | 265   | 80  | 105 | 81  | M 80X2   | 400          | 670       | 0.055-0.142      | 6                       | M20X55            | 410                      | 14.20      |
| TAPR 90 U (1)  | 90  | 0+-0.012   | 0+-0.20 | 60 | 98.1  | 210 | 206 | 180 | 65 | 60 | 322   | 90  | 124 | 101 | M100X2   | 490          | 980       | 0.055-0.142      | 5                       | M20X60            | 410                      | 20.00      |
| TAPR 100 U (1) | 100 | 0+-0.012   | 0+-0.20 | 70 | 109.5 | 235 | 231 | 200 | 70 | 65 | 360   | 105 | 138 | 111 | M110X2   | 610          | 1120      | 0.065-0.165      | 7                       | M24X65            | 710                      | 27.50      |
| TAPR 110 U (1) | 110 | 0+-0.012   | 0+-0.20 | 70 | 121.2 | 265 | 266 | 220 | 80 | 74 | 407.5 | 115 | 152 | 125 | M120X3   | 655          | 1700      | 0.065-0.165      | 6                       | M24X80            | 710                      | 45.60      |
| TAPR 120 U (1) | 120 | 0+-0.012   | 0+-0.20 | 85 | 135.5 | 310 | 340 | 257 | 90 | 84 | 490   | 140 | 172 | 135 | M130X3   | 950          | 2900      | 0.065-0.165      | 6                       | M24X85            | 710                      | 72.00      |

(1) Material: nodular cast iron.

(\*) Also suppliable in the spherical ball joint version with 2RS. Availability and prices upon request.

(\*) When requiring a left-end threading, replace on the article code the letter "R" with "L", e.g. TAPL...N. Availability and prices upon request.

**Possible to supply special rod ends with maintenance free spherical bearing.**

**(See the spherical bearings catalogue for series : SRB, SRT...-2RS, SRLB, SRLT...-2RS, SR...TGR, SR...TG3A...-2RS). These articles are available without grease nipples or lubrication holes.**