

# tramo



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# **INDUSTRIAL ROLLERS WITH THE BEST QUALITY**

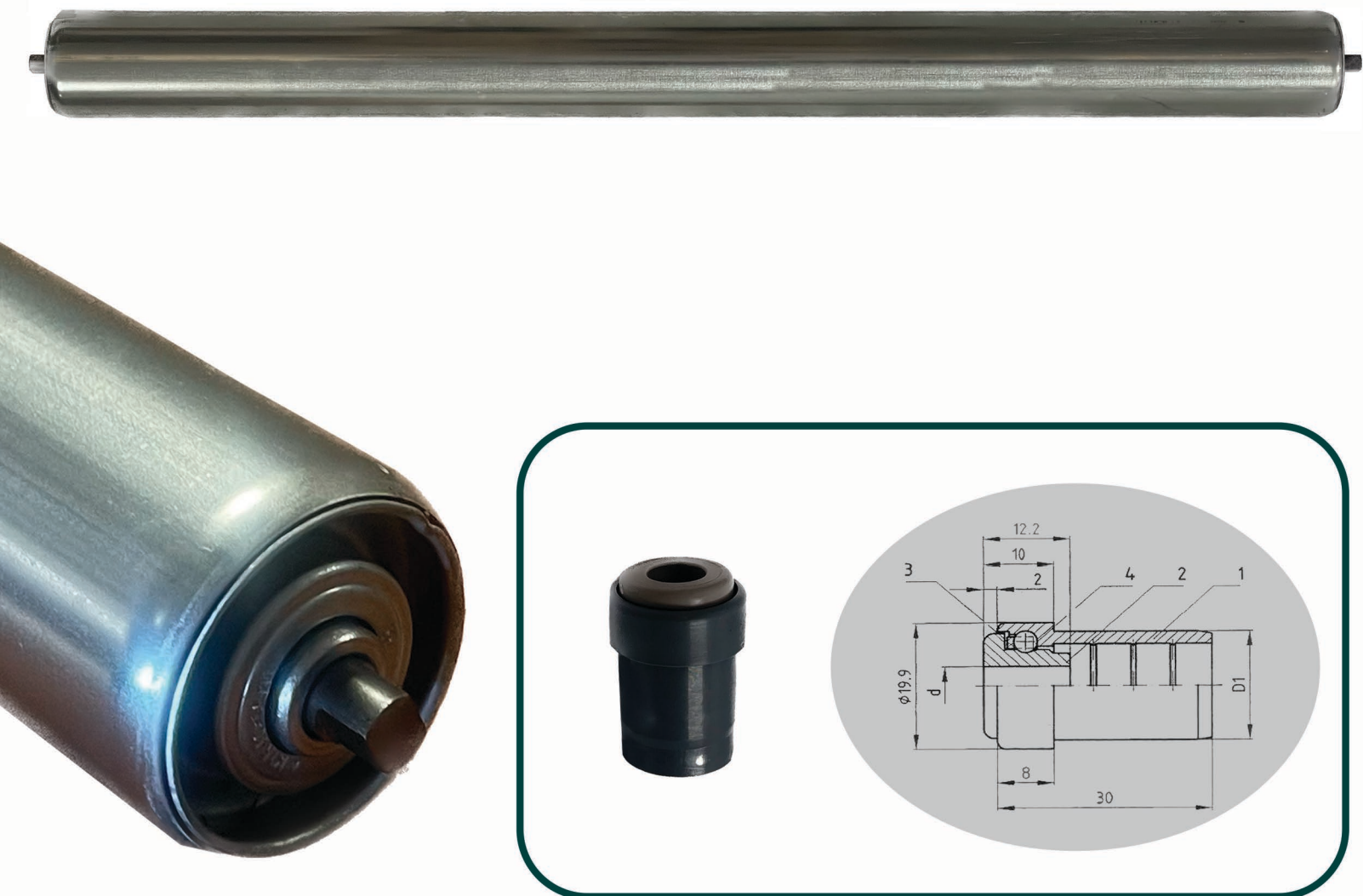


Htramo is an industrial roller manufacturer and supplier, offering specific solutions adapted to the needs of each sector.

We manufacture all types of conveyor rollers with the capacity to produce them in large series at a good production rate. With proven quality, we offer you an optimum service with a response capacity in accordance with the needs of the current market.

## LIGHT DUTY ROLLERS

LIGHT DUTY ROLLERS Ø 20 MM.



| Ø Roller | Thickness | Ø Shaft (d+0,2) | D1+0,15 | Load (daN) |
|----------|-----------|-----------------|---------|------------|
| 20       | 1,5       | 6               | 17,1    | 5          |
| 20       | 1,5       | 8               | 17,1    | 5          |



LIGHT DUTY ROLLERS Ø 30 AND Ø 40 MM.

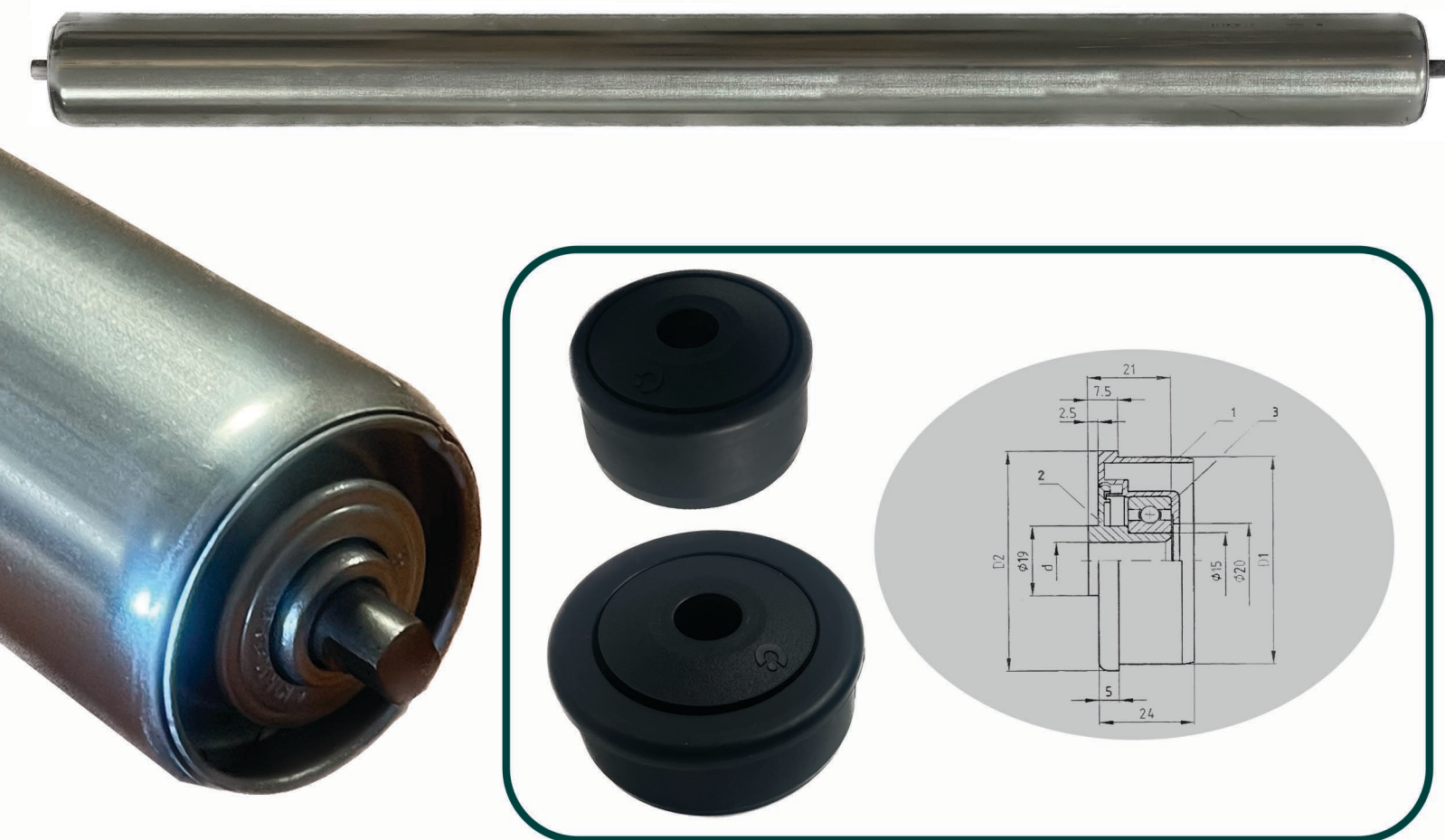


| Ø Roller | Thickness | Ø Shaft (d+0,2) | D1+0,25 | D2-0,2 | Load (daN) |
|----------|-----------|-----------------|---------|--------|------------|
| 30       | 1         | 8               | 28,1    | 29,9   | 7          |
| 30       | 1         | 10              | 28,1    | 29,9   | 7          |
| 40       | 1,5       | 8               | 37,1    | 29,9   | 7          |
| 40       | 1,5       | 10              | 37,1    | 29,9   | 7          |



## LIGHT DUTY ROLLERS

LIGHT DUTY ROLLERS Ø 50 AND Ø 60 MM.



| Ø Roller | Thickness | Ø Shaft (d+0,2) | D1+0,25 | D2-0,2 | Load (daN) |
|----------|-----------|-----------------|---------|--------|------------|
| 50       | 1,5       | 10              | 47,3    | 49,9   | 80         |
| 50       | 1,5       | 12              | 47,3    | 49,9   | 80         |
| 50       | 1,5       | 14              | 47,3    | 49,9   | 80         |
| 50       | 1,5       | hexagonal 11    | 47,3    | 49,9   | 80         |
| 60       | 2         | 10              | 56,3    | 59,9   | 80         |
| 60       | 2         | 12              | 56,3    | 59,9   | 80         |
| 60       | 2         | 14              | 56,3    | 59,9   | 80         |
| 60       | 2         | hexagonal 11    | 56,3    | 59,9   | 80         |

ROLLERS Ø 50 MM. WITH DOUBLE SPROCKET

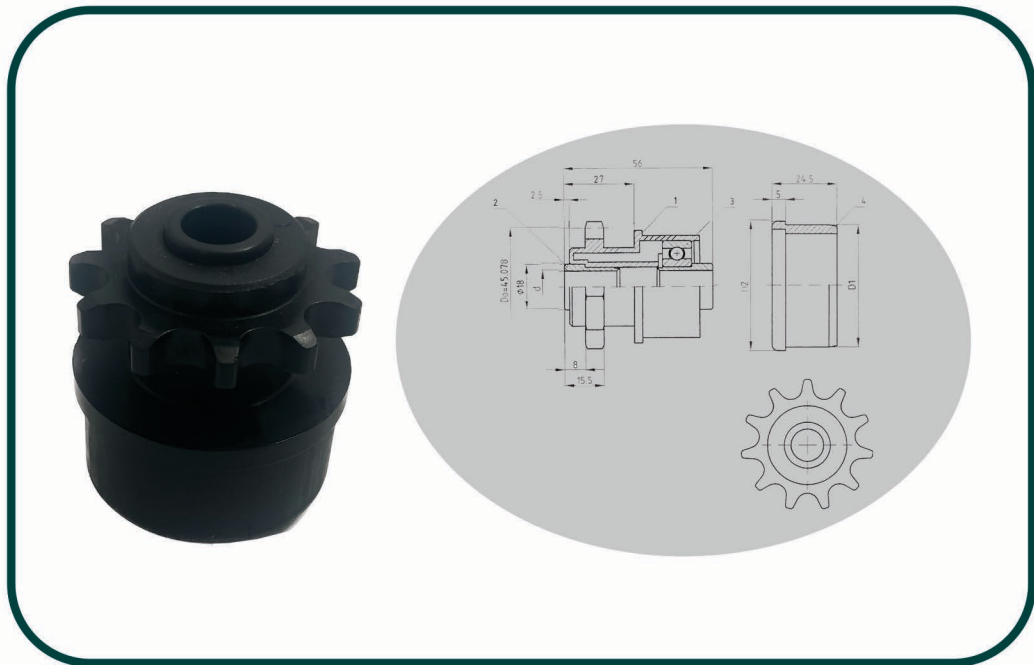


| Ø Roller | Thickness | Ø Shaft | Sprockets | Bearing |
|----------|-----------|---------|-----------|---------|
| 50       | 1,5       | 12      | 1/2"      | 6201    |



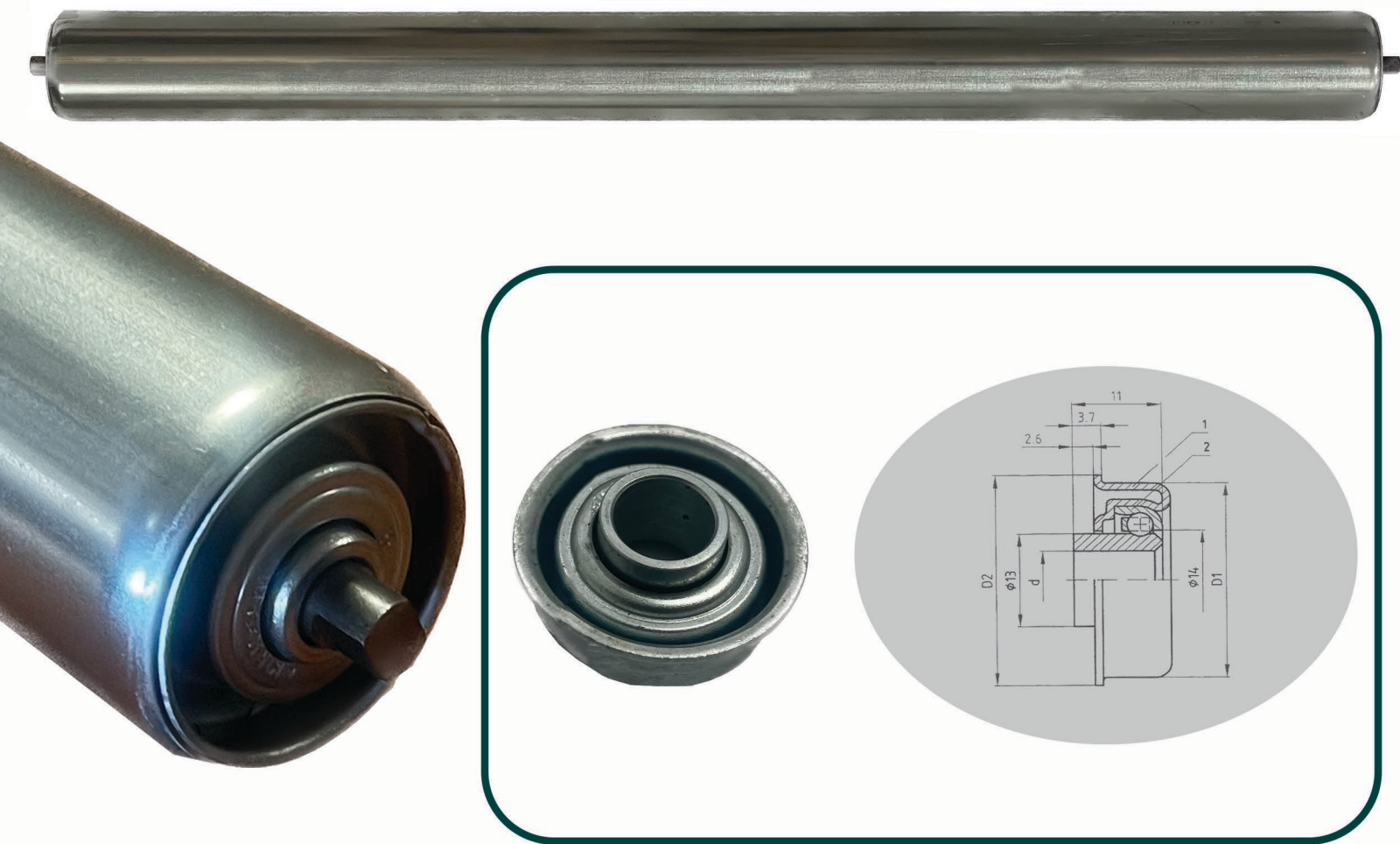
## LIGHT DUTY ROLLERS

ROLLERS Ø 50 MM. WITH SIMPLE SPROCKET (FRICTION)



| Ø Roller | Thickness | Ø Shaft | D1+0,2 | D2-0,2 | Sprockets | Friction |
|----------|-----------|---------|--------|--------|-----------|----------|
| 50       | 1,5       | 12      | 47,3   | 49,9   | 1/2"      | YES      |

LIGHT DUTY ROLLER Ø 30 MM.

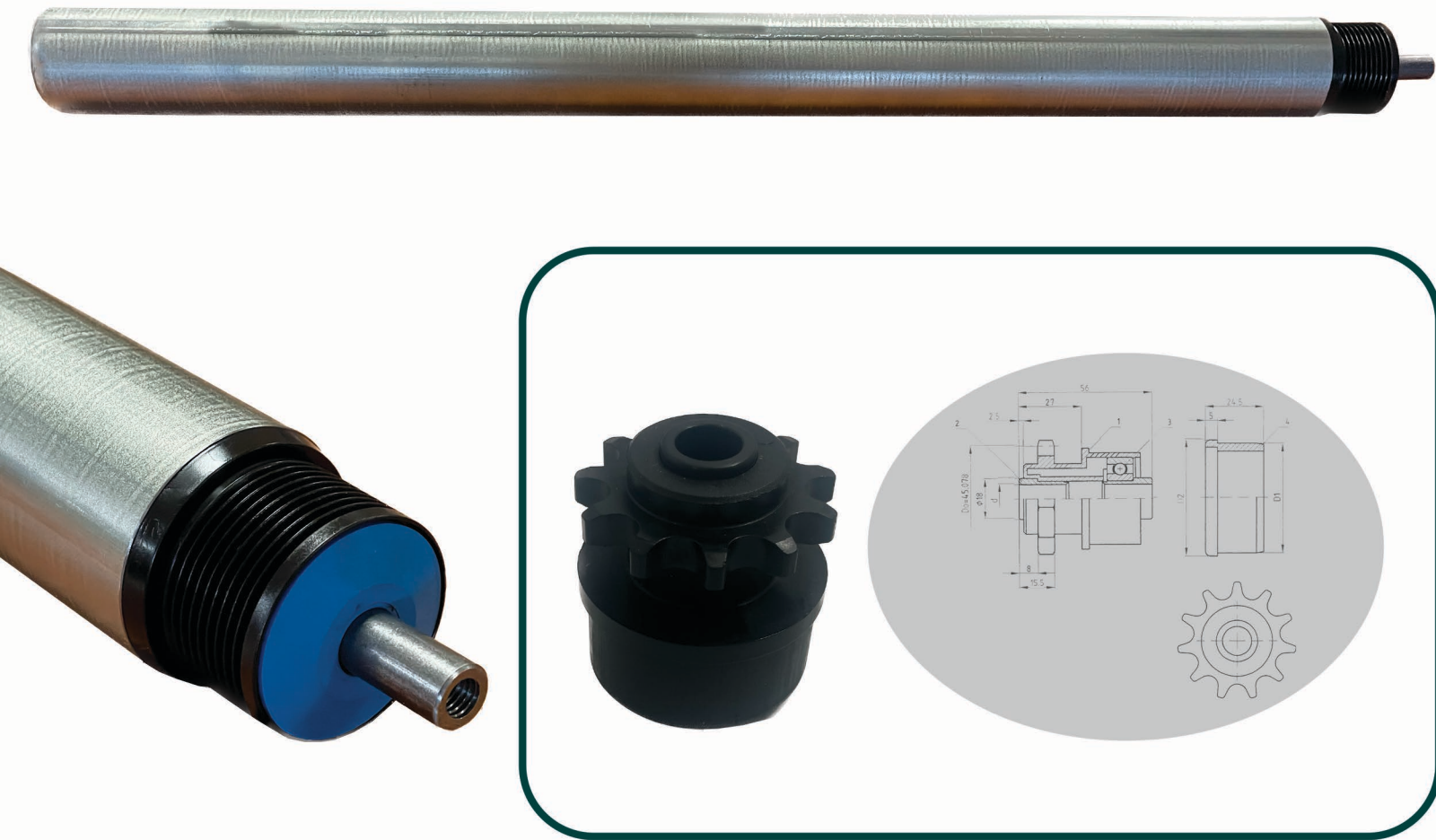


| Ø Roller | Thickness | Ø Shaft | D1+/-0,1 | D2-/-0,2 | Load (daN) |
|----------|-----------|---------|----------|----------|------------|
| 30       | 1,5       | 8       | 27,3     | 29,6     | 30         |
| 30       | 1,5       | 10      | 27,3     | 29,6     | 30         |



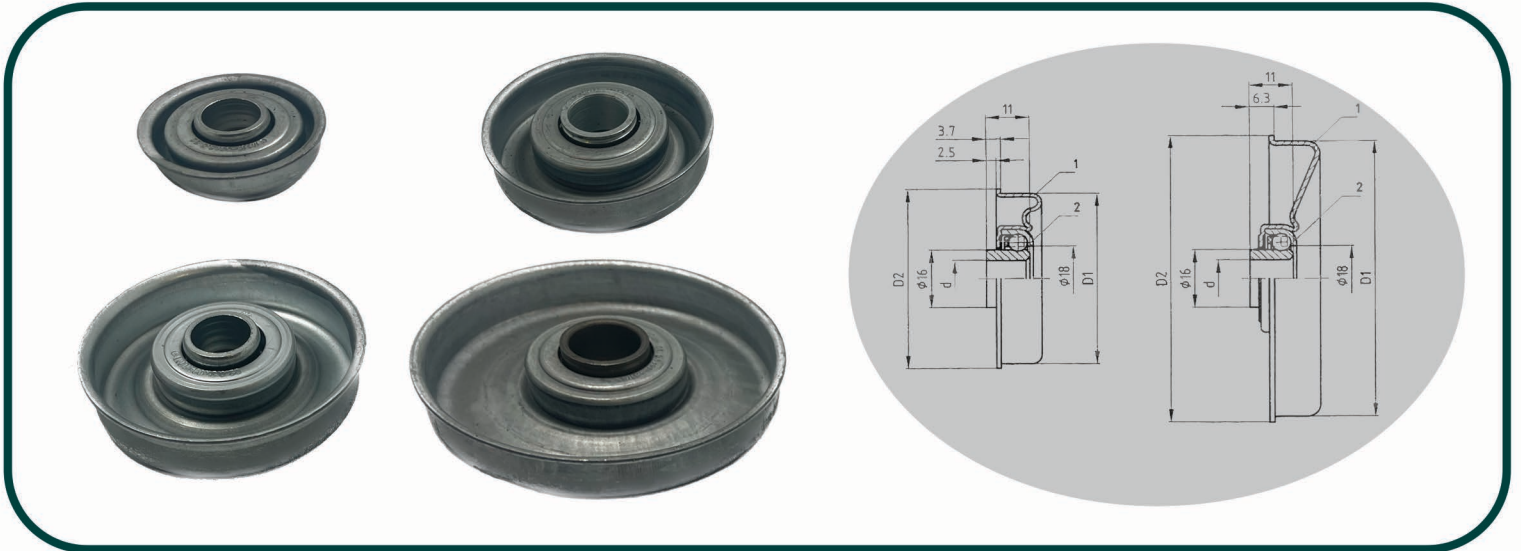
**LIGHT DUTY ROLLERS**

ROLLERS Ø 50 MM. WITH SIMPLE SPROCKET



| Ø Roller | Thickness | Ø Shaft | D1+0,2 | D2-0,2 | Sprockets | Friction |
|----------|-----------|---------|--------|--------|-----------|----------|
| 50       | 1,5       | 12      | 47,3   | 49,9   | 1/2"      | NO       |

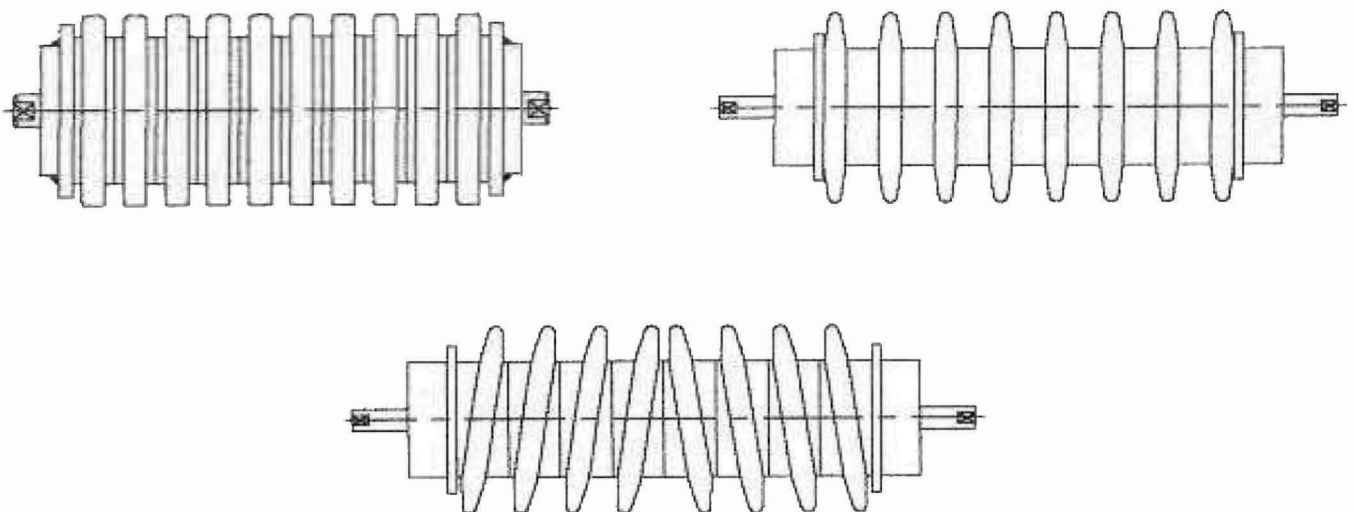
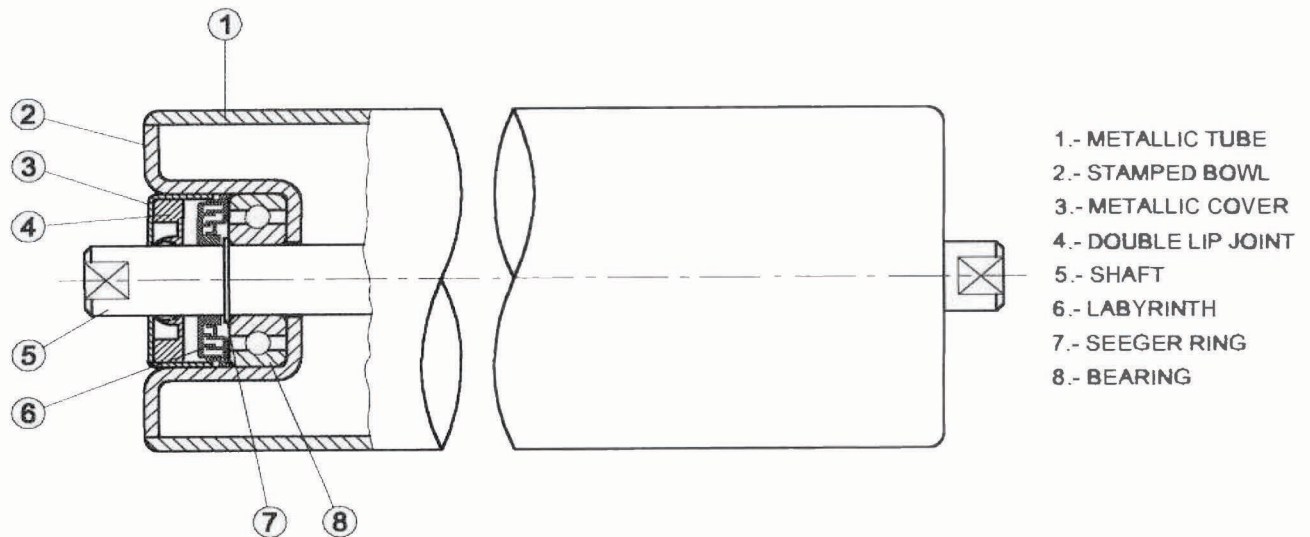
LIGHT DUTY ROLLER Ø 40, Ø 50, Ø 60 AND Ø 80 MM.



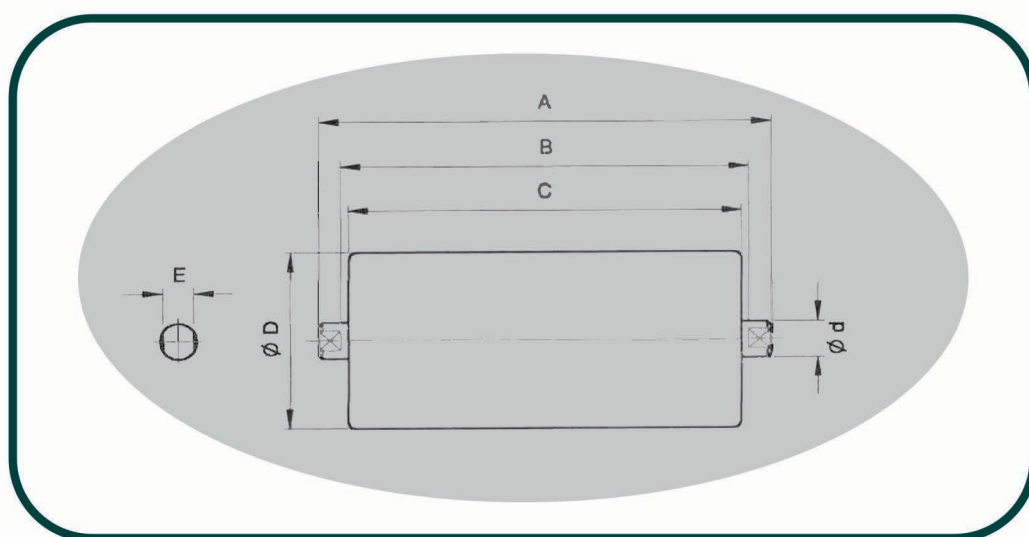
| Ø Roller | Thickness | Ø Shaft      | D1+/-0,1 | D2-/-0,2 | Load (daN) |
|----------|-----------|--------------|----------|----------|------------|
| 40       | 1,5       | 8            | 37,3     | 39,5     | 80         |
| 40       | 1,5       | 10           | 37,3     | 39,5     | 80         |
| 40       | 1,5       | 12           | 37,3     | 39,5     | 80         |
| 40       | 1,5       | hexagonal 11 | 37,3     | 39,5     | 80         |
| 50       | 1,5       | 8            | 47,3     | 49,5     | 80         |
| 50       | 1,5       | 10           | 47,3     | 49,5     | 80         |
| 50       | 1,5       | 12           | 47,3     | 49,5     | 80         |
| 50       | 1,5       | hexagonal 11 | 47,3     | 49,5     | 80         |
| 60       | 2         | 8            | 56,3     | 59,5     | 80         |
| 60       | 2         | 10           | 56,3     | 59,5     | 80         |
| 60       | 2         | 12           | 56,3     | 59,5     | 80         |
| 60       | 2         | hexagonal 11 | 56,3     | 59,5     | 80         |
| 80       | 2         | 8            | 76,4     | 79,5     | 80         |
| 80       | 2         | 10           | 76,4     | 79,5     | 80         |
| 80       | 2         | 12           | 76,4     | 79,5     | 80         |
| 80       | 2         | hexagonal 11 | 76,4     | 79,5     | 80         |



### HEAVY DUTY ROLLERS



## HEAVY DUTY ROLLERS



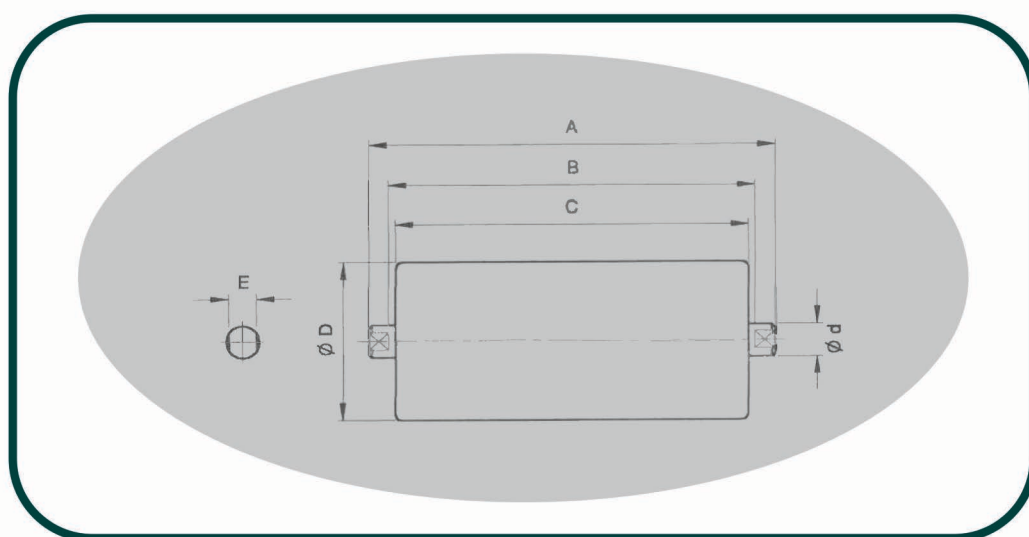
| UPPER ROLLERS - UNE STANDARD |                                  |     |     |     |     |            |                            |     |     |     |     |            |                                                    |     |     |     |     |
|------------------------------|----------------------------------|-----|-----|-----|-----|------------|----------------------------|-----|-----|-----|-----|------------|----------------------------------------------------|-----|-----|-----|-----|
| Belt width                   | 400                              | 500 | 600 | 650 | 800 | Belt width | 400                        | 500 | 600 | 650 | 800 | Belt width | 400                                                | 500 | 600 | 650 | 800 |
| Ø D                          | Ø 60                             |     |     |     |     | Ø D        | Ø 70                       |     |     |     |     | Ø D        | Ø 89                                               |     |     |     |     |
| Ø d                          | Ø 17 - Ø 20                      |     |     |     |     | Ø d        | Ø 20 - Ø 25                |     |     |     |     | Ø d        | Ø 20 - Ø 25 - Ø 30                                 |     |     |     |     |
| E                            | 12                      14       |     |     |     |     | E          | 14                      18 |     |     |     |     | E          | 14                      18                      22 |     |     |     |     |
| C                            | 150                              | 190 | 225 | 240 | 290 | C          | 150                        | 190 | 225 | 240 | 290 | C          | 150                                                | 190 | 225 | 240 | 290 |
| B                            | 156                              | 196 | 231 | 246 | 296 | B          | 156                        | 196 | 231 | 246 | 296 | B          | 156                                                | 196 | 231 | 246 | 296 |
| A                            | 176                              | 216 | 251 | 266 | 316 | A          | 176                        | 216 | 251 | 266 | 316 | A          | 176                                                | 216 | 251 | 266 | 316 |
| Bearing                      | 6203                      - 6204 |     |     |     |     | Bearing    | 6204 - 6205                |     |     |     |     | Bearing    | 6204 - 6205 - 6206                                 |     |     |     |     |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 108              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 360                | 430   | 500   | 570   |
| B          | 366                | 436   | 506   | 576   |
| A          | 386                | 456   | 526   | 596   |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 133              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 360                | 430   | 500   | 570   |
| B          | 366                | 436   | 506   | 576   |
| A          | 386                | 456   | 526   | 596   |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000       | 1.200 | 1.400 | 1.600 |
|------------|-------------|-------|-------|-------|
| Ø D        | Ø 159       |       |       |       |
| Ø d        | Ø 25 - Ø 30 |       |       |       |
| E          | 18 22       |       |       |       |
| C          | 360         | 430   | 500   | 570   |
| B          | 366         | 436   | 506   | 576   |
| A          | 386         | 456   | 526   | 596   |
| Bearing    | 6205 - 6206 |       |       |       |

## HEAVY DUTY ROLLERS



| UPPER ROLLERS - UNE STANDARD |             |     |     |     |     |            |             |     |     |     |     |            |                    |     |     |     |     |  |
|------------------------------|-------------|-----|-----|-----|-----|------------|-------------|-----|-----|-----|-----|------------|--------------------|-----|-----|-----|-----|--|
| Belt width                   | 400         | 500 | 600 | 650 | 800 | Belt width | 400         | 500 | 600 | 650 | 800 | Belt width | 400                | 500 | 600 | 650 | 800 |  |
| Ø D                          | Ø 60        |     |     |     |     | Ø D        | Ø 70        |     |     |     |     | Ø D        | Ø 89               |     |     |     |     |  |
| Ø d                          | Ø 17 - Ø 20 |     |     |     |     | Ø d        | Ø 20 - Ø 25 |     |     |     |     | Ø d        | Ø 20 - Ø 25 - Ø 30 |     |     |     |     |  |
| E                            | 12          |     | 14  |     |     | E          | 14 18       |     |     |     |     | E          | 14                 |     | 18  |     | 22  |  |
| C                            | 475         | 575 | 675 | 725 | 875 | C          | 475         | 575 | 675 | 725 | 875 | C          | 475                | 575 | 675 | 725 | 875 |  |
| B                            | 508         | 608 | 708 | 758 | 908 | B          | 508         | 608 | 708 | 758 | 908 | B          | 508                | 608 | 708 | 758 | 908 |  |
| A                            | 540         | 640 | 740 | 790 | 940 | A          | 540         | 640 | 740 | 790 | 940 | A          | 540                | 640 | 740 | 790 | 940 |  |
| Bearing                      | 6203 - 6204 |     |     |     |     | Bearing    | 6204 - 6205 |     |     |     |     | Bearing    | 6204 - 6205 - 6206 |     |     |     |     |  |

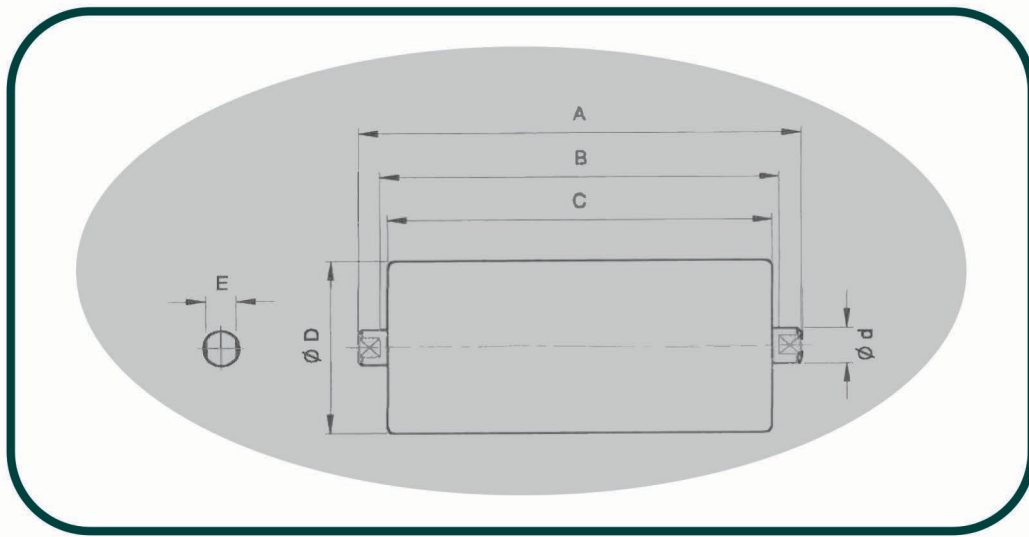
| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 108              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 1.115              | 1.315 | 1.515 | 1.715 |
| B          | 1.148              | 1.348 | 1.548 | 1.748 |
| A          | 1.180              | 1.380 | 1.580 | 1.780 |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 133              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 1.115              | 1.315 | 1.515 | 1.715 |
| B          | 1.148              | 1.348 | 1.548 | 1.748 |
| A          | 1.180              | 1.380 | 1.580 | 1.780 |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000       | 1.200 | 1.400 | 1.600 |
|------------|-------------|-------|-------|-------|
| Ø D        | Ø 159       |       |       |       |
| Ø d        | Ø 25 - Ø 30 |       |       |       |
| E          | 18 22       |       |       |       |
| C          | 1.115       | 1.315 | 1.515 | 1.715 |
| B          | 1.148       | 1.348 | 1.548 | 1.748 |
| A          | 1.180       | 1.380 | 1.580 | 1.780 |
| Bearing    | 6205 - 6206 |       |       |       |



## HEAVY DUTY ROLLERS



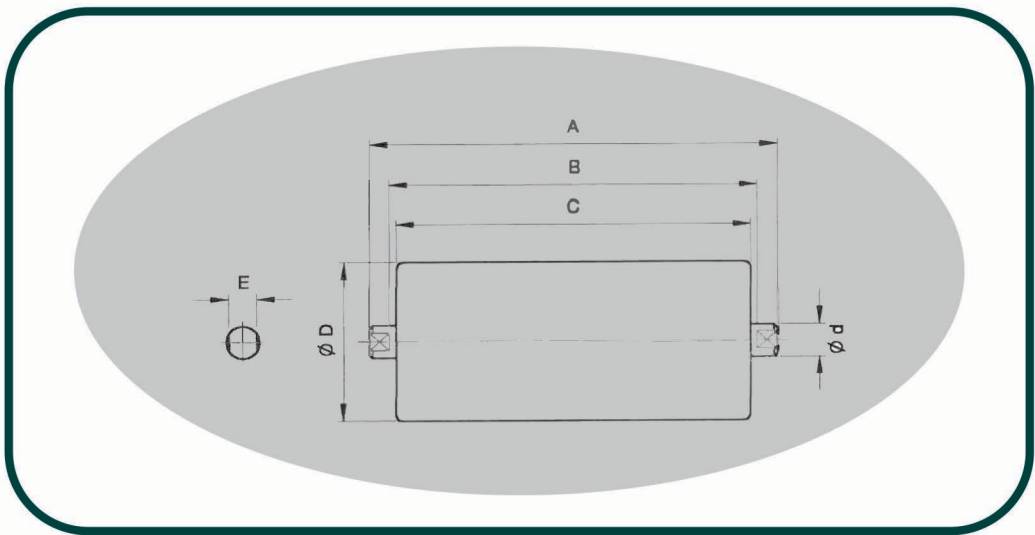
| UPPER ROLLERS - FEM STANDARD |             |     |     |     |     |            |             |     |     |     |     |            |                    |     |     |     |     |
|------------------------------|-------------|-----|-----|-----|-----|------------|-------------|-----|-----|-----|-----|------------|--------------------|-----|-----|-----|-----|
| Belt width                   | 400         | 500 | --- | 650 | 800 | Belt width | 400         | 500 | --- | 650 | 800 | Belt width | 400                | 500 | --- | 650 | 800 |
| Ø D                          | Ø 60        |     |     |     |     | Ø D        | Ø 70        |     |     |     |     | Ø D        | Ø 89               |     |     |     |     |
| Ø d                          | Ø 17 - Ø 20 |     |     |     |     | Ø d        | Ø 20 - Ø 25 |     |     |     |     | Ø d        | Ø 20 - Ø 25 - Ø 30 |     |     |     |     |
| E                            | 12 14       |     |     |     |     | E          | 14 18       |     |     |     |     | E          |                    | 14  | 18  | 22  |     |
| C                            | 165         | 200 | --- | 250 | 315 | C          | 165         | 200 | --- | 250 | 315 | C          | 165                | 200 | --- | 250 | 315 |
| B                            | 173         | 208 | --- | 258 | 323 | B          | 173         | 208 | --- | 258 | 323 | B          | 173                | 208 | --- | 258 | 323 |
| A                            | 191         | 226 | --- | 276 | 341 | A          | 191         | 226 | --- | 276 | 341 | A          | 191                | 226 | --- | 276 | 341 |
| Bearing                      | 6203 - 6204 |     |     |     |     | Bearing    | 6204 - 6205 |     |     |     |     | Bearing    | 6204 - 6205 - 6206 |     |     |     |     |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 108              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 380                | 465   | 530   | 600   |
| B          | 388                | 473   | 538   | 608   |
| A          | 406                | 491   | 556   | 626   |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 133              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 380                | 465   | 530   | 600   |
| B          | 388                | 473   | 538   | 608   |
| A          | 406                | 491   | 556   | 626   |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000       | 1.200 | 1.400 | 1.600 |
|------------|-------------|-------|-------|-------|
| Ø D        | Ø 159       |       |       |       |
| Ø d        | Ø 25 - Ø 30 |       |       |       |
| E          | 18 22       |       |       |       |
| C          | 380         | 465   | 530   | 600   |
| B          | 388         | 473   | 538   | 608   |
| A          | 406         | 491   | 556   | 626   |
| Bearing    | 6205 - 6206 |       |       |       |

HEAVY DUTY ROLLERS



| UPPER ROLLERS - FEM STANDARD |                        |     |     |     |     |            |             |     |     |     |     |            |                                |     |     |     |     |
|------------------------------|------------------------|-----|-----|-----|-----|------------|-------------|-----|-----|-----|-----|------------|--------------------------------|-----|-----|-----|-----|
| Belt width                   | 400                    | 500 | --- | 650 | 800 | Belt width | 400         | 500 | --- | 650 | 800 | Belt width | 400                            | 500 | --- | 650 | 800 |
| Ø D                          | Ø 60                   |     |     |     |     | Ø D        | Ø 70        |     |     |     |     | Ø D        | Ø 89                           |     |     |     |     |
| Ø d                          | Ø 17 - Ø 20            |     |     |     |     | Ø d        | Ø 20 - Ø 25 |     |     |     |     | Ø d        | Ø 20 - Ø 25 - Ø 30             |     |     |     |     |
| E                            | 12            14       |     |     |     |     | E          | 14   18     |     |     |     |     | E          | 14            18            22 |     |     |     |     |
| C                            | 500                    | 600 | --- | 750 | 950 | C          | 500         | 600 | --- | 750 | 950 | C          | 500                            | 600 | --- | 750 | 950 |
| B                            | 508                    | 608 | --- | 758 | 958 | B          | 508         | 608 | --- | 758 | 958 | B          | 508                            | 608 | --- | 758 | 958 |
| A                            | 546                    | 646 | --- | 796 | 996 | A          | 546         | 646 | --- | 796 | 996 | A          | 546                            | 646 | --- | 796 | 996 |
| Bearing                      | 6203            - 6204 |     |     |     |     | Bearing    | 6204 - 6205 |     |     |     |     | Bearing    | 6204 - 6205 - 6206             |     |     |     |     |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 108              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 1.150              | 1.400 | 1.600 | 1.800 |
| B          | 1.158              | 1.408 | 1.608 | 1.808 |
| A          | 1.196              | 1.446 | 1.646 | 1.846 |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000              | 1.200 | 1.400 | 1.600 |
|------------|--------------------|-------|-------|-------|
| Ø D        | Ø 133              |       |       |       |
| Ø d        | Ø 20 - Ø 25 - Ø 30 |       |       |       |
| E          | 14 18 22           |       |       |       |
| C          | 1.150              | 1.400 | 1.600 | 1.800 |
| B          | 1.158              | 1.408 | 1.608 | 1.808 |
| A          | 1.196              | 1.446 | 1.646 | 1.846 |
| Bearing    | 6204 - 6205 - 6206 |       |       |       |

| Belt width | 1.000       | 1.200 | 1.400 | 1.600 |
|------------|-------------|-------|-------|-------|
| Ø D        | Ø 159       |       |       |       |
| Ø d        | Ø 25 - Ø 30 |       |       |       |
| E          | 18 22       |       |       |       |
| C          | 1.150       | 1.400 | 1.600 | 1.800 |
| B          | 1.158       | 1.408 | 1.608 | 1.808 |
| A          | 1.196       | 1.446 | 1.646 | 1.846 |
| Bearing    | 6205 - 6206 |       |       |       |



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