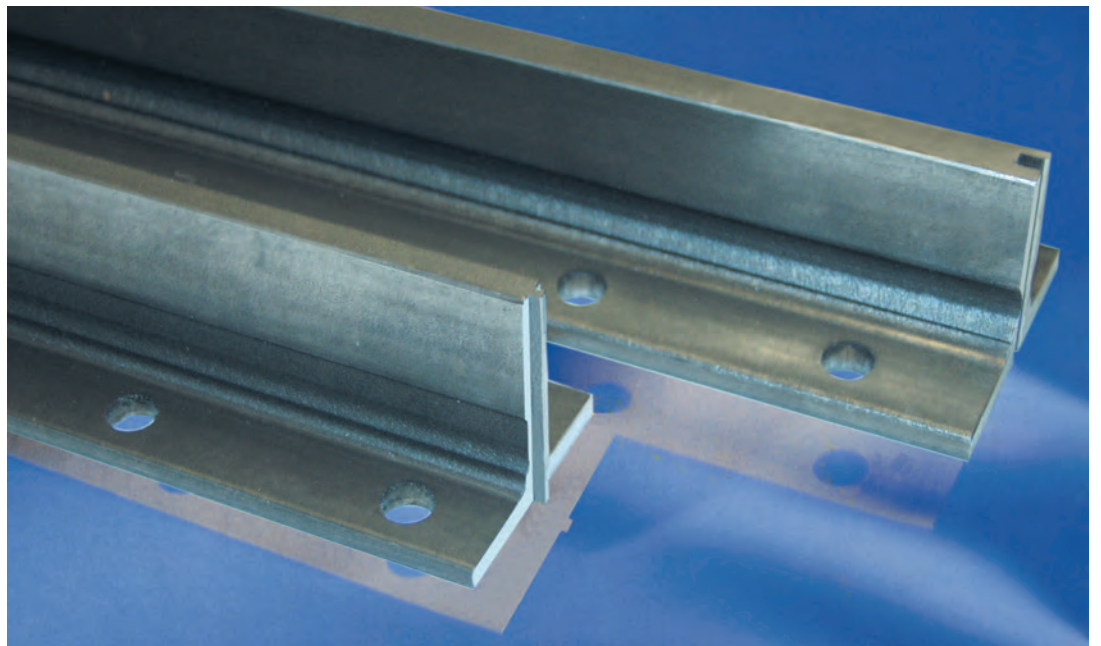


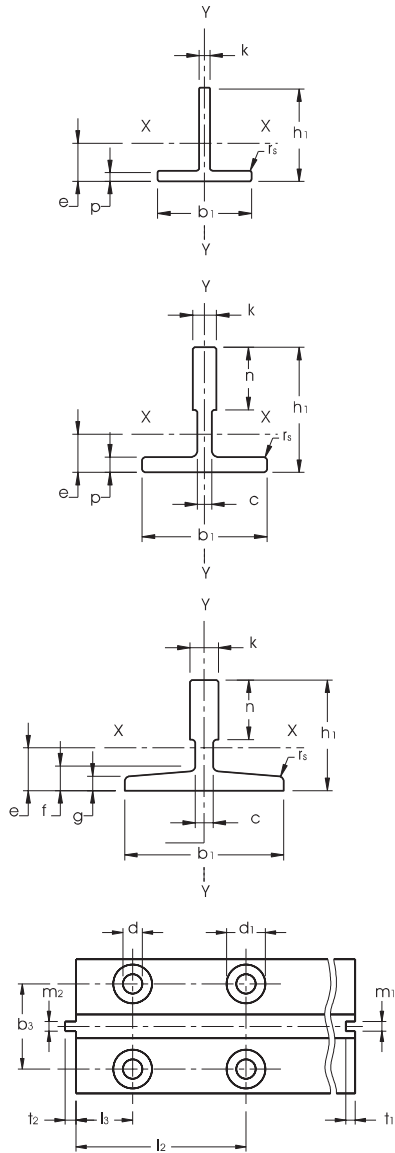
MONTEFERRO introduced cold drawn processing into the guide rail market at the end of the 40's. Through continuous improvements and optimization in co-operation with the rolling mill, today on the market is available a complete range of cold drawn guide rails from 3 Kg/mt to 14 Kg/mt.

## Standard Cold Drawn Guide Rails



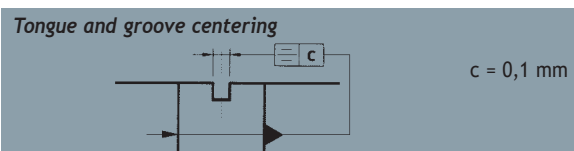
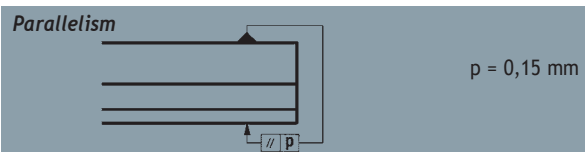
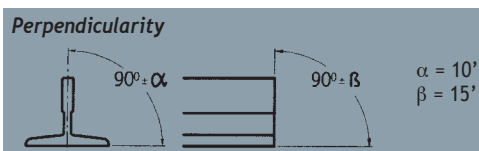
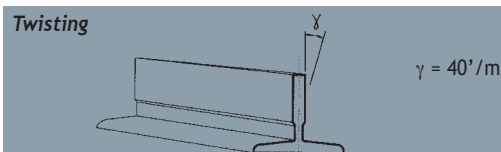
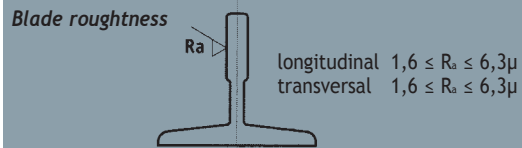
REFERENCE NORM: ISO 7465. RAW MATERIAL: E 235 B (ISO 630: 1995). GUIDE RAIL LENGTH: 5,000 MM  $\pm$  2MM. DIFFERENT LENGTH ACCORDING TO CUSTOMER'S REQUIREMENTS DIFFERENT GUIDE RAILS SECTIONS AND SPECIFICATIONS: ACCORDING TO DEFINITION WITH CUSTOMERS.

## DIMENSIONS



| Monteferro Code   | ISO Code | b <sub>1</sub> mm | h <sub>1</sub> mm | k mm   | n mm |
|-------------------|----------|-------------------|-------------------|--------|------|
| <b>Tolerances</b> |          | ±0,5              | ±0,2              | ±0,15  |      |
| RT 40             | ---      | 40                | 40                | 5      |      |
| RT 45             | T 45/A   | 45                | 45                | 5      |      |
| RT 45 M/F         | ---      | 45                | 45                | 5      |      |
| RT 50             | T 50/A   | 50                | 50                | 5      |      |
| RT 50 M/F         | ---      | 50                | 50                | 5      |      |
| <b>Tolerances</b> |          | ±1,5              | ±0,1              | +0,1/0 | +3/0 |
| RT 70             | T 70-2/A | 70                | 70                | 8      |      |
| RT 80             | ---      | 80                | 80                | 9      |      |
| <b>Tolerances</b> |          | ±1,5              | ±0,1              | +0,1/0 | +3/0 |
| RF 50             | ---      | 50                | 50                | 9      | 35   |
| RF 70             | T 70-1/A | 70                | 65                | 9      | 34   |
| RF 70.9           | ---      | 70                | 70                | 9      | 35   |
| RF 75             | T 75-3/A | 75                | 62                | 10     | 30   |
| <b>Tolerances</b> |          | ±1,5              | ±0,1              | +0,1/0 | +3/0 |
| RF 65             | ---      | 65                | 54                | 7,9    | 20   |
| RF 82             | T 82/A   | 82,5              | 68,25             | 9      | 25,4 |
| RF 89             | T 89/A   | 89                | 62                | 15,88  | 33,4 |
| RF 90             | T 90/A   | 90                | 75                | 16     | 42   |

## KEY FACTORS



| c<br>mm | p<br>mm | g<br>mm | f<br>mm | r <sub>s</sub><br>mm | m <sub>1</sub><br>mm | m <sub>2</sub><br>mm | t <sub>1</sub><br>mm | t <sub>2</sub><br>mm | d<br>mm | d <sub>i</sub><br>mm | b <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm |
|---------|---------|---------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|----------------------|----------------------|----------------------|----------------------|
|         | ±0,5    |         |         |                      | +0,06/-0             | +0/-0,06             | ±0,1                 | ±0,1                 |         |                      | ±0,2                 | ±0,2                 | ±0,2                 |
|         | 5       |         |         | 1                    | 2                    | 1,95                 | 2,5                  | 2                    | 9       |                      | 23                   | 85                   | 15                   |
|         | 5       |         |         | 1                    |                      |                      |                      |                      | 9       |                      | 25                   | 65                   | 15                   |
|         | 5       |         |         | 1                    | 2                    | 1,95                 | 2,5                  | 2                    | 9       |                      | 25                   | 65                   | 15                   |
|         | 5       |         |         | 1                    |                      |                      |                      |                      | 9       |                      | 30                   | 75                   | 25                   |
|         | 5       |         |         | 1                    | 2                    | 1,95                 | 2,5                  | 2                    | 9       |                      | 30                   | 75                   | 25                   |
|         | ±0,75   |         |         |                      | +0,06/-0             | +0/-0,06             | ±0,1                 | ±0,1                 |         |                      | ±0,2                 | ±0,2                 | ±0,2                 |
|         | 8       |         |         | 1,5                  | 3                    | 2,95                 | 3,5                  | 3                    | 13      |                      | 42                   | 105                  | 25                   |
|         | 9       |         |         | 1,5                  | 3                    | 2,95                 | 3,5                  | 3                    | 13      |                      | 42                   | 105                  | 25                   |
|         | ±0,75   |         |         |                      | +0,06/-0             | +0/-0,06             | ±0,1                 | ±0,1                 |         |                      | ±0,2                 | ±0,2                 | ±0,2                 |
| 7,5     | 6,5     |         |         | 1                    | 3                    | 2,95                 | 3,5                  | 3                    | 9       |                      | 30                   | 75                   | 25                   |
| 6       | 7       |         |         | 1,5                  | 3                    | 2,95                 | 3,5                  | 3                    | 13      |                      | 42                   | 105                  | 25                   |
| 7,9     | 8,5     |         |         | 1,5                  | 3                    | 2,95                 | 3,5                  | 3                    | 13      |                      | 43                   | 90                   | 30                   |
| 8       | 7,5     |         |         | 1,5                  | 3                    | 2,95                 | 3,5                  | 3                    | 13      |                      | 43                   | 90                   | 30                   |

|     |  | ±0,75 | ±0,75 |     | +0,06/-0 | +0/-0,06 | ±0,1 | ±0,1 |    | *   | ±0,2 | ±0,2  | ±0,2 |
|-----|--|-------|-------|-----|----------|----------|------|------|----|-----|------|-------|------|
| 5   |  | 4     | 6     | 1,5 | 2        | 1,95     | 2,5  | 2    | 10 | 24* | 40   | 65    | 15   |
| 7,5 |  | 6     | 8,25  | 3   | 3        | 2,95     | 3,5  | 3    | 13 | 26* | 50,8 | 81    | 27   |
| 10  |  | 7,9   | 11,1  | 3   | 6,4      | 6,37     | 7,14 | 6,35 | 13 | 26* | 57,2 | 114,3 | 38,1 |
| 10  |  | 8     | 10    | 4   | 6,4      | 6,37     | 7,14 | 6,35 | 13 | 26* | 57,2 | 114,3 | 38,1 |

\* on demand

## TECHNICAL CHARACTERISTICS

| Monteferro Code | ISO Code | S<br>cm <sup>2</sup> | q <sub>1</sub><br>kg/m | e<br>cm | I <sub>xx</sub><br>cm <sup>4</sup> | W <sub>xx</sub><br>cm <sup>3</sup> | i <sub>xx</sub><br>cm | I <sub>yy</sub><br>cm <sup>4</sup> | W <sub>yy</sub><br>cm <sup>3</sup> | i <sub>yy</sub><br>cm |
|-----------------|----------|----------------------|------------------------|---------|------------------------------------|------------------------------------|-----------------------|------------------------------------|------------------------------------|-----------------------|
| RT40            | ---      | 3,7                  | 2,95                   | 1,18    | 5,52                               | 1,95                               | 1,21                  | 2,67                               | 1,33                               | 0,84                  |
| RT45            | T45/A    | 4,25                 | 3,34                   | 1,31    | 8,08                               | 2,53                               | 1,38                  | 3,84                               | 1,71                               | 0,95                  |
| RT50            | T50/A    | 4,75                 | 3,73                   | 1,43    | 11,24                              | 3,15                               | 1,54                  | 5,25                               | 2,1                                | 1,05                  |
| RT70            | T70-2/A  | 10,52                | 8,26                   | 2,02    | 47,43                              | 9,63                               | 2,12                  | 23,13                              | 6,61                               | 1,48                  |
| RT80            | ---      | 13,56                | 10,65                  | 2,32    | 80,2                               | 14,21                              | 2,44                  | 38,83                              | 9,7                                | 1,69                  |
| RF50            | ---      | 7,07                 | 5,55                   | 1,70    | 17,36                              | 5,26                               | 1,57                  | 7,02                               | 2,81                               | 0,99                  |
| RF70            | T70-1/A  | 9,51                 | 7,47                   | 2,04    | 41,3                               | 9,24                               | 2,09                  | 18,65                              | 5,35                               | 1,40                  |
| RF70.9          | ---      | 11,25                | 8,83                   | 2,11    | 52,81                              | 10,79                              | 2,16                  | 24,62                              | 7,03                               | 1,48                  |
| RF75            | T75-3/A  | 10,99                | 8,63                   | 1,86    | 40,35                              | 9,29                               | 1,92                  | 26,49                              | 7,06                               | 1,55                  |
| RF65            | ---      | 6,24                 | 4,9                    | 1,71    | 20,09                              | 5,44                               | 1,79                  | 10,92                              | 3,36                               | 1,32                  |
| RF82            | T82/A    | 10,9                 | 8,55                   | 1,98    | 49,4                               | 10,2                               | 2,13                  | 30,5                               | 7,4                                | 1,67                  |
| RF89            | T89/A    | 15,7                 | 12,3                   | 2,02    | 59,52                              | 14,25                              | 1,95                  | 52,4                               | 11,8                               | 1,83                  |
| RF90            | T90/A    | 17,25                | 13,55                  | 2,61    | 102                                | 20,87                              | 2,43                  | 52,6                               | 11,8                               | 1,75                  |