



CATÁLOGO GERAL

**60** Anos



1962, São Paulo / SP

Desde nossa Fundação em 1962, não só ampliamos e diversificamos nosso portfólio, como também nossa capacidade de perceber oportunidades e potenciais mercados nos segmentos que atuamos.

Iniciamos nossas atividades distribuindo chapas, bobinas e perfis de alumínio e hoje fornecemos e desenvolvemos produtos para a Construção Civil e Indústria.

Nossa expansão é resultado do profissionalismo, seriedade e inovação de nosso Time.

Nosso time entende a importância de uma estratégia focada na excelência para crescer e manter-se em evidência nas áreas que atuamos.



Sorocaba / SP

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| B19-002     | 0,267 | 80      | B29-027     | 0,803 | 133    | B39102      | 2,560 | 182    |
| B19-1050C   | 0,312 | 94      | B29-040     | 0,203 | 126    | B39103      | 1,062 | 157    |
| B19-1060C   | 0,127 | 94      | B29053      | 0,999 | 162    | B39-1058    | 0,085 | 87/106 |
| B19-1078D   | 1,030 | 100/142 | B29057      | 3,183 | 164    | B391127C    | 0,828 | 176    |
| B19-1094C   | 0,321 | 32      | B29069      | 2,265 | 166    | B39113      | 1,484 | 169    |
| B19-1119C   | 0,100 | 140     | B29071      | 1,045 | 174    | B39-1132C   | 0,197 | 136    |
| B19-1120E   | 1,343 | 100     | B29112      | 1,138 | 151    | B39-1134C   | 0,470 | 101    |
| B19-186     | 0,890 | 96      | B29113      | 1,049 | 147    | B39-118     | 0,293 | 26     |
| B19195      | 0,128 | 180     | B29-122     | 0,183 | 127    | B391181C    | 2,003 | 155    |
| B19196      | 0,120 | 180     | B29-145     | 0,514 | 83     | B391187C    | 1,314 | 151    |
| B19227      | 2,227 | 179     | B29-160     | 1,398 | 89     | B39-119     | 0,414 | 27     |
| B19-248     | 1,020 | 95      | B29-173     | 0,228 | 129    | B391198C    | 0,809 | 158    |
| B19-344     | 0,226 | 91      | B29-175     | 0,231 | 128    | B391200D    | 2,073 | 153    |
| B19364      | 1,712 | 153     | B29-176     | 0,956 | 133    | B391227D    | 1,806 | 164    |
| B19-375     | 0,959 | 95      | B29-194     | 0,819 | 133    | B39-126     | 0,245 | 26     |
| B19-424     | 0,277 | 92      | B29-202     | 0,309 | 34     | B39-1271C   | 0,501 | 136    |
| B19-425     | 0,258 | 92      | B29235C     | 0,961 | 162    | B39-128     | 0,093 | 133    |
| B19-451     | 0,720 | 100     | B29238D     | 1,357 | 163    | B39-1325C   | 0,231 | 136    |
| B19-505C    | 0,723 | 97      | B29239C     | 0,681 | 160    | B39-1327C   | 0,275 | 136    |
| B19-552     | 0,252 | 34      | B29-241C    | 0,593 | 136    | B39-133     | 0,518 | 83     |
| B19-560     | 0,084 | 134     | B29248D     | 1,479 | 163    | B39-137     | 0,176 | 134    |
| B19-575     | 0,892 | 95      | B29274D     | 1,811 | 160    | B39-1381C   | 0,072 | 137    |
| B19-621     | 0,147 | 108     | B29288E     | 2,189 | 173    | B39-1382C   | 0,218 | 137    |
| B19-629     | 0,221 | 80      | B29290C     | 1,031 | 154    | B39-1383C   | 0,118 | 137    |
| B19-650C    | 0,692 | 97      | B29-317C    | 0,290 | 101    | B39-139     | 0,362 | 93     |
| B19-652C    | 0,655 | 97      | B29-371C    | 0,644 | 135    | B391417C    | 1,730 | 183    |
| B19660E     | 2,490 | 177     | B29-372C    | 0,245 | 135    | B391421D    | 1,382 | 174    |
| B19-702C    | 0,874 | 98      | B29-558     | 0,445 | 127    | B39-143     | 0,170 | 134    |
| B19-703C    | 0,645 | 98      | B31010      | 0,603 | 180    | B391440C    | 0,525 | 157    |
| B19-704C    | 0,631 | 100     | B31-042     | 0,186 | 91     | B391441C    | 1,023 | 145    |
| B19710E     | 2,086 | 178     | B31-044     | 0,138 | 136    | B391486D    | 8,372 | 184    |
| B19725C     | 1,496 | 179     | B31-045     | 0,129 | 136    | B391496D    | 2,222 | 146    |
| B19772E     | 1,729 | 171     | B31-066C    | 0,089 | 137    | B391497C    | 1,748 | 150    |
| B19792E     | 3,930 | 173     | B31075C     | 1,019 | 183    | B39154      | 2,432 | 169    |
| B19793E     | 4,027 | 173     | B31076C     | 1,189 | 183    | B391568D    | 2,635 | 149    |
| B19807D     | 3,387 | 170     | B31-085C    | 0,894 | 110    | B39-158     | 0,282 | 93     |
| B19833E     | 2,476 | 172     | B31-128C    | 0,145 | 139    | B391595C    | 1,510 | 169    |
| B19879C     | 1,720 | 167     | B31-129C    | 0,170 | 139    | B39-1597C   | 0,154 | 134    |
| B19-920C    | 0,291 | 32      | B35005      | 0,643 | 183    | B391608D    | 1,354 | 154    |
| B19-984C    | 0,220 | 86      | B35015C     | 0,401 | 162    | B39-161     | 0,544 | 26     |
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| B23034D     | 1,657 | 161     | B39-050     | 0,608 | 120    | B391661C    | 1,025 | 154    |
| B25-301     | 0,343 | 41      | B39-051     | 0,541 | 120    | B391662D    | 1,412 | 165    |
| B25-308     | 0,453 | 41      | B39-065     | 0,184 | 24     | B391664D    | 1,354 | 147    |
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| B25-314     | 0,364 | 41      | B39-1006    | 0,568 | 131    | B39173      | 1,681 | 159    |
| B25-503     | 0,599 | 54      | B39101      | 2,032 | 181    | B39177      | 0,816 | 175    |
| B29-022     | 0,264 | 134     |             |       |        | B39178      | 0,777 | 156    |

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| B39-206     | 0,594 | 126    | B39685      | 0,797 | 159    | B78-004     | 1,345 | 80     |
| B392067C    | 3,151 | 150    | B39687      | 0,627 | 157    | B78-032     | 1,750 | 119    |
| B39-2072C   | 0,145 | 103    | B39688      | 2,028 | 165    | B78-034     | 0,591 | 116    |
| B39-2073C   | 0,219 | 101    | B39-778     | 0,273 | 92     | B78-035     | 0,635 | 116    |
| B39-2074C   | 0,206 | 101    | B39-811     | 3,386 | 89     | B78-043     | 0,631 | 116    |
| B39-2107C   | 0,318 | 83     | B39-816     | 0,175 | 24     | B78-054     | 1,200 | 83     |
| B39-2239C   | 0,169 | 94     | B39-837     | 0,873 | 69     | B78-081     | 0,646 | 107    |
| B39-2240C   | 0,385 | 135    | B39-844     | 0,260 | 92     | B78-088     | 0,858 | 80     |
| B39-2241C   | 0,340 | 94     | B39-848     | 0,195 | 129    | B78-095     | 0,647 | 91     |
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| B39-2331D   | 3,515 | 79     | B39-850     | 0,465 | 129    | B78-1013    | 0,598 | 135    |
| B39-2370C   | 0,274 | 140    | B39-851     | 0,504 | 129    | B78-1015    | 0,617 | 108    |
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| B39275      | 1,367 | 156    | B39-895     | 0,200 | 128    | B78-1017    | 0,286 | 77     |
| B39285      | 2,344 | 181    | B39-896     | 0,471 | 128    | B78-1021    | 0,248 | 77     |
| B39-307     | 0,174 | 76     | B39-897     | 0,514 | 128    | B78-1031    | 0,802 | 80     |
| B39313      | 0,913 | 158    | B39-898     | 0,170 | 128    | B78-1054C   | 1,141 | 84     |
| B39314      | 0,886 | 175    | B39-933     | 0,179 | 41     | B78-1078C   | 0,822 | 108    |
| B39315      | 1,053 | 156    | B39-956     | 0,166 | 130    | B78-1079C   | 0,720 | 108    |
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| B39449      | 1,192 | 168    | B42-040     | 1,593 | 71     | B78-124     | 1,670 | 80     |
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| B39-473     | 0,917 | 113    | B44-018     | 0,389 | 127    | B78-1293D   | 0,605 | 137    |
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| B39-485     | 0,198 | 108    | B44-025     | 0,582 | 92     | B781372E    | 6,672 | 185    |
| B39-487     | 0,738 | 120    | B44-026     | 0,412 | 91     | B781386C    | 0,578 | 180    |
| B39-491     | 0,718 | 114    | B44-031     | 0,636 | 92     | B78-140     | 1,030 | 107    |
| B39-492     | 0,261 | 135    | B44-032     | 0,213 | 129    | B781433E    | 6,497 | 186    |
| B39-493     | 0,735 | 135    | B44-035     | 0,223 | 128    | B781445C    | 1,184 | 176    |
| B39-500     | 0,295 | 27     | B50-018     | 0,263 | 101    | B781448C    | 0,490 | 180    |
| B39-528     | 0,323 | 33     | B54010      | 2,633 | 145    | B781584E    | 6,287 | 185    |
| B39-563     | 0,204 | 129    | B54-012     | 0,331 | 93     | B78-1651C   | 0,758 | 106    |
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| B39-566     | 0,744 | 85     | B65-241D    | 1,316 | 111    | B78-1740D   | 1,604 | 104    |

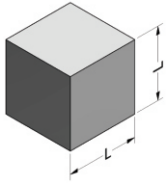


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| B78-1841C   | 2,258 | 105    | BA-048      | 0,705 | 51     | BBAR-4024   | 0,240 | 127    |
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| B78-1962C   | 1,287 | 110    | BA-058      | 0,222 | 52     | BBG-202     | 0,107 | 40     |
| B78-1966D   | 1,347 | 87     | BA-072      | 1,206 | 121    | BCA-005     | 0,790 | 29     |
| B78-2070C   | 0,717 | 101    | BA-081A     | 1,135 | 67     | BCA-006     | 1,008 | 29     |
| B78-2083C   | 1,460 | 86     | BA-084      | 0,583 | 58     | BCA-010     | 0,231 | 29     |
| B78-2089C   | 1,270 | 86     | BA-087      | 0,365 | 127    | BCA-011     | 0,315 | 29     |
| B78215      | 2,262 | 155    | BA-090      | 0,782 | 68     | BCA-013     | 0,134 | 28     |
| B78-2151C   | 1,971 | 104    | BA-097      | 0,558 | 50     | BCA-014     | 0,104 | 28     |
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| B78-2228C   | 0,187 | 52     | BA-140      | 1,153 | 104    | BCA-032     | 0,513 | 27     |
| B78-2302C   | 0,242 | 103    | BA-144A     | 0,670 | 67     | BCA-060A    | 0,223 | 26     |
| B78-2363D   | 0,562 | 79     | BA-194      | 0,652 | 53     | BCA-063A    | 0,175 | 26     |
| B78-2364D   | 0,786 | 79     | BA-195      | 0,686 | 53     | BCA-093     | 0,766 | 28     |
| B78-2391C   | 0,626 | 142    | BA-201      | 0,524 | 51     | BCA-096     | 0,394 | 27     |
| B78-2391D   | 0,626 | 101    | BA-202      | 0,609 | 51     | BCA-098     | 0,377 | 27     |
| B78-260     | 0,660 | 82     | BA-207      | 0,592 | 55     | BCA-113     | 0,468 | 25     |
| B78-344     | 1,538 | 79     | BA-210      | 0,584 | 65     | BCA-125     | 0,531 | 25     |
| B78-366     | 0,388 | 77     | BA-211      | 0,853 | 68     | BCA-126     | 0,477 | 25     |
| B78-383     | 0,920 | 107    | BA-212      | 0,761 | 68     | BCA-129     | 0,493 | 25     |
| B78-384     | 0,882 | 107    | BAP-069     | 0,681 | 39     | BCA-151     | 0,333 | 26     |
| B78-397     | 1,291 | 82     | BAP-070     | 0,551 | 39     | BCA-204     | 0,327 | 25     |
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| B78-778     | 0,897 | 106    | BAP-358     | 0,630 | 37     | BD-079      | 0,564 | 88     |
| B78-889     | 0,785 | 109    | BAP-359     | 0,385 | 36     | BD-080      | 0,525 | 77     |
| B78-946     | 1,431 | 84     | BAP-360     | 0,453 | 37     | BD-081      | 0,643 | 102    |
| B78-947     | 0,694 | 109    | BAP-361     | 1,075 | 37     | BD-082      | 0,349 | 77     |
| B78-952     | 0,451 | 108    | BAP-366     | 0,897 | 36     | BD-095      | 0,544 | 82     |
| B79-007C    | 1,168 | 88     | BAP-367     | 0,823 | 36     | BD-102      | 0,625 | 88     |
| B79-025C    | 0,536 | 103    | BAP-368     | 0,746 | 36     | BD-103      | 0,786 | 88     |
| B79-060D    | 1,464 | 105    | BAP-369     | 0,590 | 36     | BD-199      | 0,796 | 80     |
| B79-089C    | 0,710 | 103    | BAP-370     | 0,633 | 37     | BE-117      | 0,334 | 130    |
| B79-125D    | 1,232 | 105    | BAP-374     | 0,539 | 38     | BE-150      | 0,276 | 64     |
| BA-022      | 0,409 | 130    | BAP-378     | 0,367 | 38     | BE-168      | 0,236 | 93     |
| BA-025      | 2,061 | 121    | BAP-379     | 0,929 | 39     | BE-186      | 1,027 | 43     |
| BA-026      | 0,750 | 66     | BAP-380     | 0,840 | 40     | BE-252      | 0,152 | 93     |
| BA-034      | 0,499 | 57     | BAP-404     | 0,795 | 37     | BE-256      | 0,290 | 126    |
| BA-041A     | 0,626 | 68     |             |       |        |             |       |        |

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| BE-276      | 1,225 | 48     | BI-151      | 0,173 | 93     | BP-253      | 0,587 | 72     |
| BE-277      | 0,504 | 46     | BI-154      | 0,306 | 126    | BP-256      | 0,490 | 52     |
| BE-293      | 1,449 | 48     | BI-154A     | 0,212 | 126    | BP-258      | 1,134 | 60     |
| BE-294      | 1,156 | 59     | BI-185      | 0,084 | 76     | BP-264      | 1,156 | 67     |
| BE-306      | 0,404 | 132    | BI-186      | 0,090 | 76     | BP-268A     | 1,373 | 73     |
| BE-445      | 0,235 | 76     | BI-307      | 0,488 | 51     | BP-270A     | 0,688 | 68     |
| BE-463      | 0,157 | 93     | BI-308      | 0,488 | 51     | BP-272      | 0,780 | 69     |
| BE-482      | 0,877 | 44     | BI-313      | 0,074 | 76     | BP-273A     | 0,538 | 69     |
| BE-483      | 1,183 | 45     | BL-213      | 0,670 | 76     | BP-274      | 0,855 | 46     |
| BE-484      | 0,650 | 45     | BL-332      | 0,212 | 70     | BP-280      | 0,855 | 72     |
| BE-485      | 1,708 | 63     | BL-366      | 0,283 | 65     | BP-281A     | 0,726 | 66     |
| BE-486      | 1,538 | 63     | BL-383      | 0,253 | 56     | BP-282A     | 0,726 | 66     |
| BE-491      | 1,061 | 61     | BL-387      | 0,219 | 56     | BP-287      | 1,498 | 62     |
| BE-504      | 0,156 | 24     | BL-392      | 0,084 | 76     | BP-318A     | 0,558 | 57     |
| BE-512      | 0,435 | 132    | BL-418      | 0,230 | 51     | BP-319A     | 0,657 | 53     |
| BE-512A     | 0,433 | 132    | BL-460      | 0,127 | 76     | BP-358A     | 0,807 | 67     |
| BF-043      | 0,124 | 93     | BL-468      | 1,590 | 29     | BP-370A     | 0,666 | 53     |
| BF-049      | 0,128 | 93     | BL-488      | 0,163 | 93     | BP-371A     | 0,679 | 53     |
| BFC-017     | 1,705 | 124    | BL-498      | 0,306 | 51     | BP-411      | 0,481 | 55     |
| BFC-075     | 1,750 | 113    | BL-518      | 0,355 | 65     | BP-412A     | 0,453 | 55     |
| BFC-085     | 0,280 | 117    | BL-519      | 0,291 | 69     | BP-414A     | 0,578 | 55     |
| BFC-170     | 0,543 | 120    | BL-579      | 1,090 | 29     | BP-416      | 0,587 | 55     |
| BFC-202     | 1,801 | 113    | BL-690      | 0,141 | 76     | BP-417      | 0,734 | 65     |
| BFC-208     | 0,786 | 116    | BL-713      | 1,278 | 132    | BP-419A     | 0,610 | 70     |
| BFC-222     | 0,757 | 115    | BL-713A     | 0,970 | 132    | BP-525A     | 0,283 | 53     |
| BFC-225     | 0,639 | 114    | BL-715      | 0,281 | 55     | BP-574      | 0,622 | 56     |
| BFC-227     | 0,675 | 115    | BLB-038     | 0,970 | 96     | BPV-021     | 3,950 | 119    |
| BFC-228     | 0,570 | 116    | BMM-375     | 0,394 | 41     | BRA-006     | 0,168 | 24     |
| BFC-229     | 0,464 | 117    | BMM-376     | 0,590 | 41     | BRA-007     | 0,157 | 24     |
| BFC-231     | 1,074 | 115    | BP-064A     | 0,332 | 70     | BRA-013     | 0,268 | 28/43  |
| BFC-232     | 1,433 | 113    | BP-068A     | 0,604 | 66     | BRA-1175    | 0,297 | 24     |
| BFC-233     | 3,392 | 117    | BP-075      | 0,602 | 65     | BRA-1177C   | 0,210 | 24     |
| BFC-234     | 0,344 | 117    | BP-078      | 0,752 | 68     | BRA-1178C   | 0,273 | 24     |
| BFC-243     | 1,109 | 114    | BP-084A     | 0,486 | 64     | BRA-347     | 0,197 | 24     |
| BFC-254     | 0,639 | 117    | BP-120A     | 0,463 | 70     | BRA-516     | 0,339 | 28     |
| BFC-261     | 0,563 | 116    | BP-121      | 0,529 | 70     | BRA-613     | 0,152 | 24     |
| BFC-293     | 0,683 | 115    | BP-140A     | 0,426 | 50     | BSK-001     | 1,569 | 122    |
| BFC-301     | 0,101 | 117    | BP-145A     | 0,489 | 53     | BSK-002     | 1,238 | 122    |
| BFC-360     | 0,960 | 114    | BP-147A     | 0,300 | 53     | BSK-003     | 0,775 | 123    |
| BFC-419     | 0,484 | 121    | BP-148      | 0,692 | 64     | BSK-004     | 0,615 | 123    |
| BFC-542     | 0,350 | 124    | BP-149      | 0,655 | 65     | BSK-005     | 0,303 | 123    |
| BFC-543     | 0,430 | 124    | BP-151A     | 0,497 | 50     | BSK-006     | 0,279 | 123    |
| BFC-544     | 0,380 | 121    | BP-152A     | 0,522 | 50     | BT-095      | 0,204 | 28     |
| BI-083      | 0,320 | 130    | BP-153      | 0,598 | 51     | BT-153      | 0,335 | 39     |
| BI-090      | 0,312 | 58     | BP-155      | 0,528 | 57     | BT-155      | 0,188 | 28     |
| BI-102      | 0,448 | 65     | BP-157      | 1,349 | 42     | BT-180      | 0,125 | 93     |
| BI-103      | 0,126 | 76     | BP-165      | 1,152 | 64     | BT-214      | 0,210 | 58     |
| BI-105      | 0,259 | 51     | BP-166      | 0,427 | 57     | BTUB4046    | 1,127 | 176    |
| BI-117      | 0,446 | 58     | BP-167A     | 0,347 | 57     | BU-1002     | 0,213 | 126    |
| BI-122      | 0,508 | 50     | BP-227      | 0,549 | 52     | BU-1002A    | 0,182 | 126    |

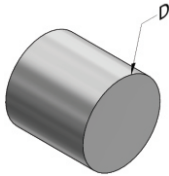
| Cód. Perfil | kg/m  | Página  | Cód. Perfil | kg/m  | Página | Cód. Perfil | kg/m  | Página |
|-------------|-------|---------|-------------|-------|--------|-------------|-------|--------|
| BU-1048     | 1,463 | 111     | BY-120      | 0,263 | 26     | BZ-178      | 1,070 | 59     |
| BU-1056     | 0,228 | 130     | BY-131      | 0,492 | 64     | BZ-180      | 0,810 | 61     |
| BU-1076     | 0,209 | 72      | BY-140A     | 0,338 | 70     | BZ-181      | 0,564 | 61     |
| BU-1092     | 0,440 | 102     | BY-148      | 0,336 | 70     | BZ-182      | 0,634 | 60     |
| BU-1098     | 0,494 | 111     | BY-153      | 0,506 | 64     | BZ-183      | 0,944 | 61     |
| BU-1108     | 0,342 | 134     | BY-165      | 0,132 | 76     | BZ-186      | 1,038 | 71     |
| BU-1109     | 0,174 | 134     | BY-166      | 0,140 | 76     | BZ-192      | 0,789 | 48     |
| BU-1233     | 0,288 | 41      | BY-168      | 0,690 | 68     | BZ-194      | 0,368 | 34     |
| BU-164      | 0,708 | 111     | BY-181      | 0,570 | 72     | BZ-231      | 0,984 | 60     |
| BU-397      | 0,620 | 130     | BY-195A     | 0,389 | 50     | BZ-248      | 0,295 | 34     |
| BU-398      | 0,220 | 131     | BY-196      | 0,479 | 50     | BZ-254      | 0,822 | 49     |
| BU-399      | 0,245 | 131     | BY-197      | 0,268 | 58     | BZ-258      | 1,115 | 45     |
| BU-425      | 0,157 | 52      | BY-202      | 0,571 | 70     | BZ-259      | 0,690 | 46     |
| BU-482      | 0,118 | 64      | BY-214      | 0,606 | 70     | BZ-260      | 1,323 | 64     |
| BU-491      | 0,093 | 101/133 | BY-215      | 0,568 | 56     | BZ-261      | 0,892 | 63     |
| BU-495      | 1,063 | 102     | BY-260      | 0,746 | 49     | BZ-263      | 0,840 | 62     |
| BU-496      | 0,338 | 102     | BY-308      | 0,278 | 127    | BZ-267      | 0,753 | 46     |
| BU-497      | 0,465 | 102     | BY-310      | 0,302 | 126    | BZ-268      | 1,011 | 62     |
| BU-498      | 0,262 | 102     | BY-311      | 0,263 | 126    | BZ-284      | 0,265 | 33     |
| BU-522      | 0,100 | 51/91   | BY-312      | 0,519 | 52     |             |       |        |
| BU-555      | 0,267 | 134     | BY-335      | 0,723 | 99     |             |       |        |
| BU-555A     | 0,200 | 134     | BY-343      | 0,275 | 133    |             |       |        |
| BU-565      | 0,409 | 134     | BY-346      | 0,504 | 69     |             |       |        |
| BU-615      | 0,379 | 121     | BY-350      | 0,965 | 49     |             |       |        |
| BU-621      | 0,264 | 121     | BY-354      | 0,866 | 99     |             |       |        |
| BU-653      | 0,246 | 126     | BY-355      | 0,872 | 99     |             |       |        |
| BU-654      | 0,198 | 127     | BY-360      | 0,533 | 99     |             |       |        |
| BU-655      | 0,645 | 126     | BY-429      | 0,684 | 99     |             |       |        |
| BU-659      | 0,490 | 62      | BY-429A     | 0,609 | 100    |             |       |        |
| BU-681      | 0,135 | 52      | BY-630      | 0,360 | 56     |             |       |        |
| BU-683      | 0,154 | 58      | BY-718      | 0,522 | 65     |             |       |        |
| BU-685      | 0,141 | 62      | BY-719      | 0,522 | 65     |             |       |        |
| BU-990A     | 0,635 | 111     | BZ-033      | 0,351 | 101    |             |       |        |
| BVA-012     | 0,255 | 31      | BZ-063      | 0,325 | 101    |             |       |        |
| BVA-012F    | 0,253 | 31      | BZ-073      | 0,326 | 34     |             |       |        |
| BVA-015     | 0,265 | 33      | BZ-074      | 0,269 | 52     |             |       |        |
| BVA-017     | 0,274 | 31      | BZ-082      | 0,393 | 62     |             |       |        |
| BVA-017F    | 0,274 | 31      | BZ-114      | 0,564 | 42     |             |       |        |
| BVA-024     | 0,271 | 31      | BZ-115      | 0,690 | 46     |             |       |        |
| BVA-024F    | 0,271 | 31      | BZ-118      | 0,666 | 60     |             |       |        |
| BVA-201     | 0,263 | 33      | BZ-148      | 0,338 | 33     |             |       |        |
| BVA-203     | 0,329 | 32      | BZ-163      | 0,255 | 32     |             |       |        |
| BVA-203A    | 0,292 | 32      | BZ-167      | 0,836 | 59     |             |       |        |
| BVZ-023     | 0,293 | 33      | BZ-170      | 0,756 | 43     |             |       |        |
| BVZ-060     | 0,397 | 34      | BZ-171      | 1,001 | 43     |             |       |        |
| BY-105      | 0,388 | 131     | BZ-172      | 0,940 | 42     |             |       |        |
| BY-106      | 0,311 | 131     | BZ-173      | 1,311 | 47     |             |       |        |
| BY-107      | 0,262 | 130     | BZ-174      | 0,716 | 44     |             |       |        |
| BY-110      | 0,635 | 66      | BZ-175      | 0,572 | 46     |             |       |        |
| BY-113      | 0,343 | 69      | BZ-176      | 0,848 | 44     |             |       |        |

**PERFIS TABELADOS**  
**BARRAS CHATAS**  
**CANTONEIRAS**  
**TUBOS**  
**VERGALHÕES**



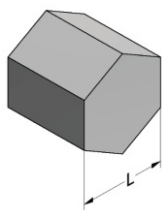
## VERGALHÃO BARRA QUADRADA

| Código  | L (mm) | kg/m  | Código   | L (mm) | kg/m   |
|---------|--------|-------|----------|--------|--------|
| VQ 4002 | 6,35   | 0,109 | VQ 4019  | 31,75  | 2,762  |
| VQ 4003 | 7,93   | 0,170 | VQ 4022  | 38,10  | 3,933  |
| VQ 4006 | 9,53   | 0,245 | VQ 4024  | 44,45  | 5,334  |
| VQ 4007 | 11,11  | 0,344 | VQ 4026  | 50,80  | 6,993  |
| VQ 4008 | 12,70  | 0,435 | VQ 4029  | 53,00  | 7,584  |
| VQ 4011 | 15,88  | 0,682 | VQ 4046  | 63,50  | 10,927 |
| VQ 4013 | 19,05  | 0,982 | VQ 12028 | 65,00  | 11,407 |
| VQ 4015 | 22,22  | 1,333 | VQ 4067  | 76,20  | 15,734 |
| VQ 4017 | 25,40  | 1,741 | VQ 4068  | 88,90  | 21,417 |
| VQ 4018 | 28,57  | 2,211 | VQ 4066  | 101,60 | 29,971 |



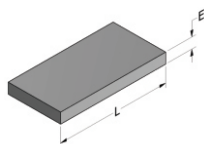
## VERGALHÃO REDONDO

| Código    | D (mm) | kg/m  | Código    | D (mm) | kg/m   |
|-----------|--------|-------|-----------|--------|--------|
| VR 10038C | 5,50   | 0,064 | VR 0020   | 23,81  | 1,206  |
| VR 0001   | 6,00   | 0,076 | VR 10011  | 25,00  | 1,33   |
| VR 0002   | 6,35   | 0,085 | VR 0021   | 25,40  | 1,373  |
| VR 10002  | 6,80   | 0,098 | VR 0024   | 28,57  | 1,737  |
| VR 10010  | 7,40   | 0,116 | VR 0027   | 31,75  | 2,145  |
| VR 0004   | 7,95   | 0,134 | VR 0030   | 34,92  | 2,585  |
| VR 0005   | 8,00   | 0,135 | VR 0032   | 38,10  | 3,089  |
| VR 10012  | 8,80   | 0,165 | VR 0034   | 41,27  | 3,611  |
| VR 0007   | 9,52   | 0,192 | VR 0036   | 45,45  | 4,205  |
| VR 10025C | 10,80  | 0,048 | VR 0038   | 47,62  | 4,826  |
| VR 0009   | 11,11  | 0,262 | VR 0040   | 50,80  | 5,493  |
| VR 10018  | 12,00  | 0,306 | VR 0049   | 54,00  | 6,201  |
| VR 0011   | 12,70  | 0,343 | VR 0050   | 57,15  | 6,951  |
| VR 0012   | 14,28  | 0,434 | VR 10014  | 61,85  | 8,142  |
| VR 10036C | 14,40  | 0,441 | VR 0042   | 63,50  | 8,583  |
| VR 10040C | 14,90  | 0,472 | VR 0131   | 69,85  | 10,384 |
| VR 0014   | 15,87  | 0,534 | VR 10016  | 72,00  | 11,033 |
| VR 0015   | 17,46  | 0,648 | VR 0043   | 76,20  | 12,358 |
| VR 0016   | 19,05  | 0,772 | VR 10039C | 82,55  | 14,504 |
| VR 10026C | 19,25  | 0,788 | VR 0044   | 88,90  | 16,821 |
| VR 10007  | 21,20  | 0,905 | VR 10042C | 95,25  | 19,31  |
| VR 0018   | 22,23  | 1,052 | VR 0045   | 101,60 | 21,97  |
| VR 10041C | 22,36  | 1,064 | VR 10027E | 114,30 | 27,806 |
|           |        |       | VR 130    | 127,00 | 34,329 |



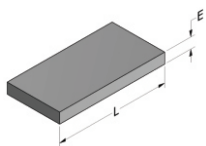
## VERGALHÃO BARRA SEXTAVADA

| Código   | L (mm) | kg/m  | Código  | L (mm) | kg/m  |
|----------|--------|-------|---------|--------|-------|
| VS 16003 | 7,20   | 0,121 | VS 6012 | 23,82  | 1,331 |
| VS 6002  | 7,94   | 0,147 | VS 6013 | 25,40  | 1,527 |
| VS 6003  | 9,52   | 0,212 | VS 6014 | 26,98  | 1,708 |
| VS 6004  | 11,11  | 0,292 | VS 6015 | 28,50  | 1,900 |
| VS 6005  | 12,70  | 0,378 | VS 6016 | 30,16  | 2,134 |
| VS 6006  | 14,00  | 0,492 | VS 6017 | 31,75  | 2,365 |
| VS 6007  | 15,87  | 0,588 | VS 6019 | 34,92  | 2,863 |
| VS 6008  | 17,50  | 0,712 | VS 6021 | 38,10  | 3,376 |
| VS 6009  | 19,05  | 0,854 | VS 6023 | 41,27  | 3,998 |
| VS 6011  | 22,30  | 1,166 | VS 6030 | 63,50  | 9,463 |



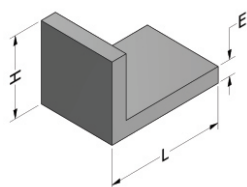
## BARRA RETANGULAR COM CANTO VIVO

| Código    | L (mm) | E (mm) | kg/m  | Código    | L (mm) | E (mm) | kg/m  | Código    | L (mm) | E (mm) | kg/m   |
|-----------|--------|--------|-------|-----------|--------|--------|-------|-----------|--------|--------|--------|
| BR 0084   | 9,52   | 6,35   | 0,163 | BR 12132C | 44,45  | 15,90  | 1,914 | BR 12012  | 100,00 | 8,00   | 2,160  |
| BR 12130C | 12,00  | 2,50   | 0,081 | BR 12030  | 46,00  | 26,00  | 3,240 | BR 0186   | 100,00 | 15,00  | 4,050  |
| BR 0012   | 12,70  | 3,18   | 0,109 | BR 12137C | 50,00  | 14,00  | 1,896 | BR 0110   | 101,60 | 6,35   | 1,741  |
| BR 0047   | 12,70  | 4,76   | 0,163 | BR 0387   | 50,80  | 1,50   | 0,206 | BR 0159   | 101,60 | 9,52   | 2,620  |
| BR 0086   | 12,70  | 6,35   | 0,218 | BR 0027   | 50,80  | 3,18   | 0,437 | BR 0404   | 101,60 | 19,05  | 5,244  |
| BR 12125C | 15,60  | 2,60   | 0,109 | BR 0061   | 50,80  | 4,78   | 0,652 | BR 405    | 101,60 | 25,40  | 6,992  |
| BR 12025  | 15,88  | 2,00   | 0,085 | BR 0100   | 50,80  | 6,35   | 0,873 | BR 0180   | 101,80 | 12,70  | 3,483  |
| BR 0013   | 15,88  | 3,18   | 0,136 | BR 0137   | 50,80  | 9,50   | 1,306 | BR 12009  | 110,00 | 3,00   | 0,894  |
| BR 0049   | 15,88  | 4,76   | 0,204 | BR 0168   | 50,80  | 12,70  | 1,741 | BR 12011  | 110,00 | 6,00   | 1,788  |
| BR 0088   | 15,88  | 6,35   | 0,273 | BR 0198   | 50,80  | 15,87  | 2,184 | BR 12017  | 120,00 | 4,00   | 1,296  |
| BR 12001  | 17,80  | 1,80   | 0,086 | BR 0189   | 50,80  | 19,05  | 2,622 | BR 0413   | 125,00 | 4,76   | 1,612  |
| BR 0050   | 19,05  | 4,76   | 0,245 | BR 0194   | 50,80  | 25,40  | 3,496 | BR 12015  | 125,00 | 42,00  | 14,227 |
| BR 0089   | 19,05  | 6,35   | 0,327 | BR 12013  | 52,00  | 37,00  | 5,194 | BR 12014  | 127,00 | 9,52   | 3,276  |
| BR 0014   | 19,05  | 3,18   | 0,166 | BR 12021  | 60,00  | 20,00  | 3,240 | BR 0182   | 127,00 | 12,70  | 4,370  |
| BR 12036  | 22,00  | 3,00   | 0,178 | BR 12010  | 60,50  | 2,00   | 0,327 | BR 414    | 127,00 | 15,88  | 5,464  |
| BR 12045  | 22,00  | 3,70   | 0,220 | BR 12026  | 61,00  | 2,20   | 0,363 | BR 12 044 | 127,00 | 16,00  | 5,506  |
| BR 0052   | 22,22  | 4,76   | 0,286 | BR 0030   | 63,50  | 3,20   | 0,546 | BR 12086C | 127,00 | 19,05  | 6,555  |
| BR 0090   | 22,22  | 6,35   | 0,382 | BR 0064   | 63,50  | 4,76   | 0,818 | BR 0192   | 127,00 | 25,40  | 8,741  |
| BR 0015   | 22,23  | 3,18   | 0,191 | BR 0104   | 63,50  | 6,35   | 1,088 | BR 12152C | 133,00 | 4,20   | 1,512  |
| BR 12048  | 24,00  | 4,00   | 0,259 | BR 0141   | 63,50  | 9,52   | 1,630 | BR 12004  | 133,35 | 4,76   | 1,720  |
| BR 0002   | 25,40  | 1,60   | 0,109 | BR 0172   | 63,50  | 12,70  | 2,185 | BR 12124C | 137,00 | 6,35   | 2,356  |
| BR 0016   | 25,40  | 3,18   | 0,218 | BR 12142C | 63,50  | 15,87  | 2,730 | BR 0183   | 139,70 | 12,70  | 4,790  |
| BR 0053   | 25,40  | 4,76   | 0,327 | BR 12027  | 65,00  | 53,00  | 9,300 | BR 12018  | 150,00 | 4,00   | 1,625  |
| BR 0091   | 25,40  | 6,35   | 0,436 | BR 12006  | 70,00  | 5,00   | 0,945 | BR 0114   | 152,40 | 6,35   | 2,622  |



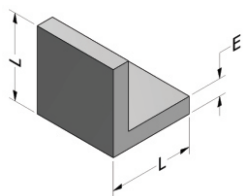
## BARRA RETANGULAR COM CANTO VIVO

| Código    | L (mm) | E (mm) | kg/m  | Código    | L (mm) | E (mm) | kg/m   | Código    | L (mm) | E (mm) | kg/m   |
|-----------|--------|--------|-------|-----------|--------|--------|--------|-----------|--------|--------|--------|
| BR 0160   | 25,40  | 12,70  | 0,873 | BR 12008  | 72,00  | 2,50   | 0,487  | BR 0184   | 152,40 | 12,70  | 5,244  |
| BR 12133C | 30,00  | 15,00  | 1,218 | BR 0032   | 76,20  | 3,17   | 0,652  | BR 12063  | 152,40 | 15,88  | 6,558  |
| BR 0320   | 31,50  | 16,50  | 1,409 | BR 0106   | 76,20  | 6,35   | 0,350  | BR 12101D | 152,40 | 19,05  | 7,867  |
| BR 0019   | 31,75  | 3,18   | 0,271 | BR 12088C | 76,20  | 7,94   | 1,639  | BR 12100D | 152,40 | 25,40  | 10,490 |
| BR 0054   | 31,75  | 4,80   | 0,409 | BR 12031C | 76,20  | 9,52   | 1,992  | BR 12105D | 160,00 | 12,70  | 5,506  |
| BR 0093   | 31,75  | 6,35   | 0,546 | BR 0175   | 76,20  | 12,70  | 2,622  | BR 12138C | 177,80 | 9,53   | 4,591  |
| BR 0132   | 31,75  | 9,50   | 0,816 | BR 0330   | 76,20  | 15,90  | 3,283  | BR 12106D | 190,00 | 12,70  | 6,539  |
| BR 0022   | 38,10  | 3,18   | 0,328 | BR 0191   | 76,20  | 25,40  | 5,225  | BR 12037  | 203,20 | 12,70  | 6,993  |
| BR 0057   | 38,10  | 4,76   | 0,491 | BR 0397   | 76,20  | 31,75  | 6,556  | BR 0196   | 203,20 | 15,88  | 8,741  |
| BR 0096   | 38,10  | 6,35   | 0,655 | BR 0193   | 76,20  | 38,10  | 7,867  | BR 12075  | 207,00 | 45,00  | 25,243 |
| BR 0134   | 38,10  | 9,52   | 0,980 | BR 12002  | 88,50  | 3,50   | 0,836  | BR 12032  | 213,00 | 20,00  | 11,544 |
| BR 0164   | 38,10  | 12,70  | 1,311 | BR 12016  | 88,90  | 4,76   | 1,142  | BR 12148C | 240,00 | 15,88  | 10,327 |
| BR 0208   | 38,10  | 15,87  | 1,638 | BR 0108   | 88,90  | 6,35   | 1,529  | BR 12149C | 270,00 | 26,00  | 19,010 |
| BR 0382   | 38,10  | 25,40  | 2,622 | BR 12136C | 90,50  | 37,00  | 9,073  | BR 12129E | 280,00 | 15,80  | 11,988 |
| BR 12033  | 40,00  | 8,85   | 0,959 | BR 12020  | 92,00  | 51,00  | 12,715 | BR 12162E | 300,00 | 8,00   | 5,691  |
| BR 12041  | 44,40  | 3,00   | 0,360 | BR 12019  | 100,00 | 3,00   | 0,812  | BR 12163E | 300,00 | 10,00  | 8,130  |



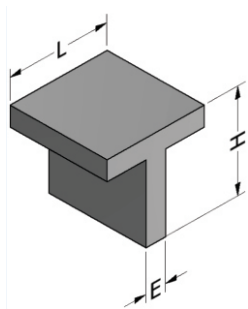
## CANTONEIRA DE ABAS DESIGUAIS

| Código    | L (mm) | H (mm) | E (mm) | kg/m  | Código    | L (mm) | H (mm) | E (mm) | kg/m  |
|-----------|--------|--------|--------|-------|-----------|--------|--------|--------|-------|
| PL 23024  | 12,00  | 7,50   | 2,00   | 0,094 | PL 040    | 44,45  | 31,75  | 4,76   | 0,921 |
| PL 23021  | 16,80  | 9,80   | 1,80   | 0,120 | PL 23016  | 50,00  | 14,00  | 2,00   | 0,335 |
| PL 23013  | 19,00  | 8,00   | 1,50   | 0,103 | PL 776    | 50,80  | 12,70  | 3,18   | 0,518 |
| PL 23025  | 20,00  | 10,00  | 1,20   | 0,093 | PL 104    | 50,80  | 25,40  | 3,16   | 0,628 |
| PL 23046C | 21,00  | 12,80  | 1,20   | 0,105 | PL 105    | 50,80  | 25,40  | 4,76   | 0,921 |
| PL 23015  | 21,00  | 13,00  | 2,00   | 0,173 | PL 668    | 50,80  | 31,75  | 2,00   | 0,436 |
| PL 23028  | 25,00  | 12,70  | 1,60   | 0,180 | PL 23035C | 51,00  | 18,00  | 4,00   | 0,704 |
| PL 23027  | 25,00  | 17,50  | 2,40   | 0,260 | PL 23049C | 60,00  | 35,00  | 1,30   | 0,330 |
| PL 23003  | 25,40  | 11,00  | 1,40   | 0,106 | PL 23004  | 60,00  | 35,00  | 1,58   | 0,400 |
| PL 093    | 25,40  | 12,70  | 3,18   | 0,300 | PL 054    | 63,00  | 51,30  | 6,35   | 1,857 |
| PL 090    | 25,40  | 19,05  | 3,20   | 0,357 | PL 070    | 88,90  | 76,20  | 6,35   | 2,731 |
| PL 23029  | 27,00  | 8,00   | 2,50   | 0,219 | PL 23048C | 94,30  | 30,00  | 1,30   | 0,433 |
| PL 23006  | 28,00  | 20,00  | 4,76   | 0,555 | PL 23002  | 94,30  | 30,00  | 1,60   | 0,531 |
| PL 434    | 30,00  | 20,00  | 1,60   | 0,209 | PL 23030  | 100,00 | 101,50 | 16,50  | 9,884 |
| PL 768    | 32,00  | 6,00   | 2,00   | 0,194 | PL 23039C | 101,60 | 50,80  | 4,76   | 1,903 |
| PL 23014  | 35,00  | 22,00  | 2,00   | 0,297 | PL 23032C | 120,00 | 31,00  | 3,00   | 1,202 |
| PL 23001  | 38,10  | 15,80  | 2,38   | 0,331 | PL 23010  | 125,00 | 50,00  | 2,00   | 0,933 |
| PL 100    | 38,10  | 25,40  | 3,18   | 0,519 | PL 23023  | 150,00 | 60,00  | 7,94   | 4,347 |
| PL 23008  | 38,10  | 28,57  | 6,35   | 1,033 | PL 23031  | 200,00 | 50,00  | 6,00   | 3,967 |



## CANTONEIRA DE ABAS DESIGUAIS

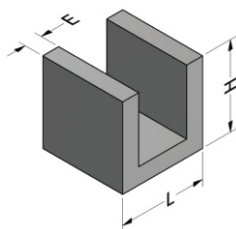
| Código    | L (mm) | E (mm) | kg/m  | Código    | L (mm) | E (mm) | kg/m  |
|-----------|--------|--------|-------|-----------|--------|--------|-------|
| PL 002    | 12,70  | 1,58   | 0,101 | PL 23022  | 38,10  | 2,00   | 0,401 |
| PL 405    | 15,88  | 1,58   | 0,128 | PL 022    | 38,10  | 3,18   | 0,629 |
| PL 20008  | 15,88  | 3,18   | 0,245 | PL 023    | 38,10  | 4,76   | 0,921 |
| PL 20019C | 19,05  | 1,20   | 0,119 | PL 20349C | 40,00  | 4,00   | 0,823 |
| PL 009    | 19,05  | 1,59   | 0,157 | PL 20022C | 50,00  | 4,00   | 0,247 |
| PL 010    | 19,05  | 2,40   | 0,231 | PL 20348C | 50,00  | 9,30   | 2,284 |
| PL 011    | 19,05  | 3,18   | 0,300 | PL 20017C | 50,80  | 1,58   | 0,427 |
| PL 20013  | 22,20  | 1,60   | 0,184 | PL 612    | 50,80  | 2,00   | 0,539 |
| PL 249    | 22,23  | 2,38   | 0,271 | PL 336    | 50,80  | 2,50   | 0,670 |
| PL 012    | 22,23  | 3,18   | 0,355 | PL 025    | 50,80  | 3,20   | 0,850 |
| PL 20021C | 25,00  | 2,00   | 0,247 | PL 026    | 50,80  | 4,75   | 1,246 |
| PL 013    | 25,40  | 1,59   | 0,211 | PL 027    | 50,80  | 6,35   | 1,639 |
| PL 741    | 25,40  | 1,20   | 0,161 | PL 029    | 63,50  | 6,35   | 2,075 |
| PL 0014   | 25,40  | 3,20   | 0,410 | PL 20005  | 70,00  | 2,00   | 0,745 |
| PL 015    | 25,40  | 4,80   | 0,598 | PL 20003  | 70,00  | 4,00   | 1,496 |
| PL 20352C | 30,00  | 3,00   | 0,463 | PL 20004  | 76,00  | 3,35   | 1,344 |
| PL 20006  | 31,75  | 1,58   | 0,264 | PL 748    | 76,20  | 4,77   | 1,908 |
| PL 018    | 31,75  | 3,20   | 0,522 | PL 749    | 76,20  | 6,35   | 2,513 |
| PL 019    | 31,75  | 4,76   | 0,757 | PL 20011  | 76,20  | 7,40   | 2,907 |
| PL 20018C | 35,00  | 1,50   | 0,277 | PL 20016C | 101,60 | 12,70  | 6,555 |
| PL 744    | 38,10  | 1,59   | 0,320 | PL 20010  | 102,00 | 6,40   | 3,426 |
|           |        |        |       | PL 20020E | 152,40 | 7,94   | 6,385 |



## PERFIL "T"

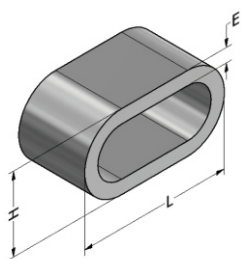
| Código    | L (mm) | T (mm) | E (mm) | kg/m  |
|-----------|--------|--------|--------|-------|
| PT 50025  | 19,00  | 19,00  | 1,58   | 0,155 |
| PT 50005  | 25,00  | 25,00  | 1,50   | 0,195 |
| PT 50017  | 25,40  | 25,40  | 4,83   | 0,595 |
| PT 50016  | 26,00  | 35,00  | 3,00   | 0,471 |
| PT 50001  | 50,00  | 50,00  | 2,00   | 0,529 |
| PT 50003  | 50,00  | 75,00  | 4,00   | 1,306 |
| PT 50038E | 63,50  | 228,60 | 9,52   | 7,289 |
| PT 50036C | 80,00  | 60,00  | 2,00   | 0,751 |
| PT 50046C | 85,00  | 75,00  | 4,00   | 1,690 |





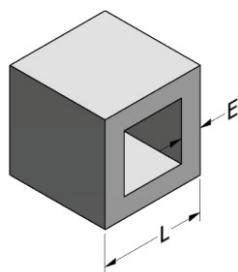
## PERFIL "U"

| Código    | L (mm) | H (mm) | E (mm) | kg/m  | Código    | L (mm) | H (mm) | E (mm) | kg/m  |
|-----------|--------|--------|--------|-------|-----------|--------|--------|--------|-------|
| PU 31001  | 6,35   | 6,35   | 1,60   | 0,068 | PU 082    | 38,10  | 12,70  | 2,38   | 0,378 |
| PU 31086C | 8,50   | 10,50  | 1,20   | 0,087 | PU 1217   | 38,10  | 25,40  | 2,00   | 0,645 |
| PU 31071C | 9,20   | 15,00  | 1,20   | 0,111 | PU 31009  | 40,00  | 25,00  | 3,50   | 0,784 |
| PU 841    | 9,50   | 9,50   | 1,20   | 0,085 | PU 31069C | 40,00  | 30,00  | 1,40   | 0,368 |
| PU 036    | 9,52   | 9,52   | 1,60   | 0,110 | PU 31068C | 40,00  | 40,00  | 1,40   | 0,444 |
| PU 037    | 12,70  | 9,50   | 1,60   | 0,137 | PU 31095C | 45,20  | 80,00  | 2,50   | 1,354 |
| PU 044    | 12,70  | 12,70  | 1,60   | 0,151 | PU 501    | 43,60  | 30,00  | 1,80   | 0,487 |
| PU 306    | 12,70  | 12,70  | 3,17   | 0,270 | PU 31067C | 44,00  | 38,00  | 1,50   | 0,475 |
| PU 31041  | 13,00  | 13,00  | 1,30   | 0,128 | PU 31074C | 44,00  | 50,00  | 1,50   | 0,572 |
| PU 31078C | 14,00  | 20,00  | 0,90   | 0,127 | PU 31040  | 45,00  | 45,00  | 1,60   | 0,570 |
| PU 555A   | 14,20  | 25,00  | 1,20   | 0,200 | PU 653    | 46,30  | 17,00  | 1,20   | 0,246 |
| PU 31007  | 14,40  | 12,70  | 1,20   | 0,121 | PU 1184   | 50,00  | 25,00  | 2,00   | 0,518 |
| PU 31037  | 15,00  | 11,00  | 1,20   | 0,125 | PU 31010  | 50,00  | 33,00  | 2,00   | 0,603 |
| PU 31036  | 15,00  | 13,90  | 1,20   | 0,134 | PU 31103C | 50,00  | 100,00 | 5,00   | 3,114 |
| PU 555    | 15,00  | 25,00  | 1,60   | 0,267 | PU 732    | 50,80  | 25,40  | 3,15   | 0,810 |
| PU 048    | 15,88  | 9,52   | 2,40   | 0,195 | PU 31054C | 50,80  | 127,00 | 6,35   | 3,762 |
| PU 049    | 15,88  | 15,88  | 2,40   | 0,278 | PU 31073C | 53,80  | 20,00  | 1,40   | 0,340 |
| PU 509    | 15,90  | 15,90  | 1,60   | 0,193 | PU 31043  | 54,00  | 35,00  | 3,17   | 0,985 |
| PU 31061D | 17,00  | 42,00  | 1,40   | 0,372 | PU 31049  | 54,50  | 20,00  | 2,00   | 0,482 |
| PU 31045  | 20,00  | 10,70  | 1,00   | 0,129 | PU 31075C | 56,00  | 51,00  | 2,50   | 1,019 |
| PU 31044  | 20,00  | 14,00  | 1,00   | 0,138 | PU 31117C | 60,00  | 35,00  | 2,00   | 0,683 |
| PU 061    | 20,00  | 15,00  | 1,50   | 0,191 | PU 31093C | 60,10  | 40,00  | 1,40   | 0,624 |
| PU 31092C | 20,00  | 40,50  | 2,00   | 0,546 | PU 31052C | 70,00  | 50,00  | 3,00   | 1,535 |
| PU 31039  | 20,30  | 5,80   | 1,80   | 0,137 | PU 31088C | 73,60  | 10,80  | 1,20   | 0,301 |
| PU 31025  | 21,70  | 8,00   | 2,50   | 0,221 | PU 092    | 80,00  | 32,00  | 2,00   | 0,756 |
| PU 1168   | 22,00  | 22,00  | 1,90   | 0,320 | PU 31065C | 100,00 | 40,00  | 4,00   | 1,864 |
| PU 064    | 22,20  | 22,20  | 2,38   | 0,397 | PU 093    | 101,60 | 50,80  | 3,15   | 1,680 |
| PU 31062C | 24,10  | 11,80  | 1,00   | 0,123 | PU 31014  | 102,60 | 25,00  | 1,30   | 0,526 |
| PU 31083C | 25,00  | 22,00  | 1,00   | 0,181 | PU 31072C | 103,80 | 20,00  | 1,40   | 0,529 |
| PU 31064C | 25,40  | 12,70  | 3,18   | 0,382 | PU 31008  | 107,00 | 47,50  | 2,50   | 1,329 |
| PU 31046  | 25,40  | 15,50  | 2,35   | 0,392 | PU 31005  | 130,20 | 34,92  | 9,52   | 4,695 |
| PU 31082C | 25,40  | 25,40  | 2,38   | 0,460 | PU 31085C | 150,00 | 9,90   | 2,00   | 0,894 |
| PU 0070   | 25,40  | 25,40  | 3,20   | 0,604 | PU 31121D | 150,00 | 50,00  | 3,00   | 1,984 |
| PU 31048  | 28,30  | 24,70  | 1,10   | 0,235 | PU 31017  | 151,00 | 84,00  | 9,00   | 5,900 |
| PU 31118C | 30,00  | 30,00  | 3,00   | 0,683 | PU 31053C | 152,40 | 44,45  | 3,00   | 1,926 |
| PU 31057C | 30,40  | 39,90  | 1,50   | 0,435 | PU 31081D | 152,40 | 50,00  | 4,00   | 2,653 |
| PU 31002  | 31,75  | 31,75  | 2,00   | 0,492 | PU 31099C | 152,40 | 51,66  | 7,98   | 4,554 |
| PU 31018  | 35,00  | 29,00  | 1,50   | 0,388 | PU 31-023 | 160,00 | 40,00  | 2,50   | 1,592 |
| PU 31042  | 37,60  | 11,50  | 1,20   | 0,186 | PU 31028  | 170,00 | 75,00  | 4,50   | 3,965 |
| PU 31029  | 38,00  | 38,00  | 2,00   | 0,596 | PU 31101C | 177,80 | 61,10  | 11,60  | 8,841 |
| PU 1216   | 38,10  | 12,70  | 1,50   | 0,245 | PU 31024  | 183,00 | 15,00  | 2,00   | 1,132 |
| PU 31004  | 38,10  | 12,70  | 1,80   | 0,291 | PU 31058E | 239,60 | 40,00  | 4,80   | 4,031 |



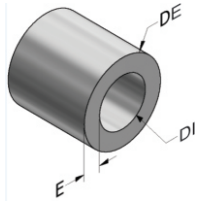
## TUBO OBLONGO

| Código     | L (mm) | H (mm) | E (mm) | kg/m  |
|------------|--------|--------|--------|-------|
| TO 16350   | 15,00  | 8,00   | 1,00   | 0,097 |
| TO 75023C  | 25,00  | 15,00  | 2,00   | 0,330 |
| TO 781506C | 29,50  | 18,00  | 1,20   | 0,246 |
| TO 75009   | 30,00  | 12,00  | 1,40   | 0,265 |
| TO 781706C | 30,00  | 15,00  | 1,50   | 0,294 |
| TO 75003   | 35,00  | 20,00  | 1,50   | 0,357 |
| TO 78300   | 58,00  | 29,00  | 4,00   | 0,771 |
| TO 78857   | 100,00 | 33,00  | 1,40   | 0,885 |
| TO 78764   | 105,00 | 72,00  | 2,50   | 1,888 |
| TO 781596C | 108,00 | 21,00  | 2,00   | 1,266 |
| TO 781027  | 109,00 | 22,00  | 2,50   | 1,593 |



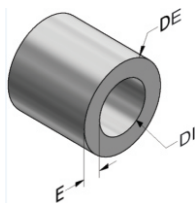
## TUBO QUADRADO

| Código     | L (mm) | E (mm) | kg/m  | Código     | L (mm) | E (mm) | kg/m  |
|------------|--------|--------|-------|------------|--------|--------|-------|
| TQ 73018C  | 10,00  | 1,50   | 0,138 | TQ 781204C | 42,00  | 2,00   | 0,867 |
| TQ 73005   | 12,70  | 1,58   | 0,189 | TQ 73008   | 44,45  | 2,68   | 1,211 |
| TQ 4001    | 12,70  | 1,65   | 0,196 | TQ 73021C  | 50,00  | 3,00   | 1,528 |
| TQ 4002    | 15,90  | 1,50   | 0,233 | TQ 73011   | 50,00  | 5,00   | 2,439 |
| TQ 4038    | 19,00  | 1,20   | 0,231 | TQ 73026C  | 50,80  | 1,30   | 0,700 |
| TQ 4003    | 19,05  | 1,50   | 0,285 | TQ 73010   | 50,80  | 1,58   | 0,842 |
| TQ 73029C  | 19,10  | 1,10   | 0,214 | TQ 74050C  | 50,80  | 1,80   | 0,956 |
| TQ 73015C  | 25,40  | 1,00   | 0,264 | TQ 4020    | 50,80  | 2,00   | 1,057 |
| TQ 4007    | 25,40  | 1,20   | 0,314 | TQ 73006   | 50,80  | 3,00   | 1,554 |
| TQ 4008    | 25,40  | 1,50   | 0,389 | TQ 4048    | 50,80  | 3,18   | 1,635 |
| TQ 73024C  | 25,40  | 2,00   | 0,507 | TQ 73001   | 50,80  | 6,35   | 3,050 |
| TQ 781930C | 30,00  | 2,00   | 0,607 | TQ 4030    | 65,00  | 2,00   | 1,365 |
| TQ 4046    | 30,00  | 4,00   | 1,127 | TQ 030C    | 75,00  | 1,40   | 1,117 |
| TQ 4011    | 31,75  | 1,50   | 0,492 | TQ 73016C  | 76,20  | 2,00   | 1,608 |
| TQ 781932C | 38,00  | 2,00   | 0,780 | TQ 4067    | 76,20  | 3,17   | 2,509 |
| TQ 73020C  | 38,10  | 1,00   | 0,402 | TQ 4034    | 80,00  | 1,80   | 1,525 |
| TQ 4014    | 38,10  | 1,50   | 0,595 | TQ 73028C  | 88,90  | 1,40   | 1,328 |
| TQ 73027C  | 38,10  | 1,20   | 0,480 | TQ 73014D  | 101,60 | 1,70   | 1,840 |
| TQ 73023C  | 40,00  | 2,00   | 0,823 | TQ 4054    | 101,60 | 2,50   | 2,675 |
| TQ 73022C  | 40,00  | 3,00   | 1,203 | TQ 73025E  | 152,40 | 2,50   | 4,062 |
|            |        |        |       | TQ 73039E  | 152,40 | 3,80   | 6,121 |



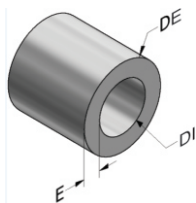
## TUBO REDONDO

| Código    | DE (mm) | DI (mm) | E (mm) | kg/m  | Código    | DE (mm) | DI (mm) | E (mm) | kg/m  |
|-----------|---------|---------|--------|-------|-----------|---------|---------|--------|-------|
| TR 72151  | 8,00    | 1,50    | 1,50   | 0,083 | TR 0034   | 21,34   | 2,77    | 2,77   | 0,436 |
| TR 0001   | 9,52    | 1,00    | 1,00   | 0,072 | TR 72326C | 21,60   | 1,23    | 1,23   | 0,213 |
| TR 0003   | 9,53    | 1,59    | 1,59   | 0,107 | TR 72260  | 21,60   | 1,58    | 1,58   | 0,269 |
| TR 72124  | 9,52    | 2,66    | 2,66   | 0,154 | TR 72015  | 21,90   | 1,95    | 1,95   | 0,330 |
| TR 72109  | 10,00   | 1,10    | 1,10   | 0,083 | TR 72004  | 22,10   | 1,67    | 1,67   | 0,290 |
| TR 72076  | 10,00   | 1,50    | 1,50   | 0,108 | TR 72298C | 22,20   | 1,23    | 1,23   | 0,218 |
| TR 72289C | 12,50   | 1,15    | 1,15   | 0,110 | TR 72064  | 22,20   | 2,20    | 2,20   | 0,373 |
| TR 0008   | 12,70   | 1,00    | 1,00   | 0,100 | TR 72297C | 22,20   | 2,40    | 2,40   | 0,402 |
| TR 0009   | 12,70   | 1,24    | 1,24   | 0,120 | TR 0036   | 22,22   | 20,22   | 1,00   | 0,180 |
| TR 0010   | 12,70   | 1,59    | 1,59   | 0,150 | TR 0037   | 22,22   | 19,74   | 1,24   | 0,221 |
| TR 0011   | 12,70   | 2,00    | 2,00   | 0,182 | TR 72314C | 22,22   | 19,22   | 1,50   | 0,264 |
| TR 72308C | 14,00   | 1,50    | 1,50   | 0,159 | TR 0038   | 22,22   | 19,04   | 1,59   | 0,278 |
| TR 72255  | 15,00   | 1,00    | 1,00   | 0,119 | TR 0041   | 22,22   | 16,22   | 3,00   | 0,512 |
| TR 72016  | 15,00   | 2,65    | 2,65   | 0,278 | TR 72333C | 22,35   | 20,35   | 1,00   | 0,181 |
| TR 72214  | 15,50   | 1,50    | 1,50   | 0,178 | TR 72270  | 22,40   | 20,40   | 1,00   | 0,183 |
| TR-0021   | 15,80   | 3,20    | 3,20   | 0,343 | TR 72121  | 22,40   | 10,70   | 5,85   | 0,830 |
| TR 72309C | 15,87   | 1,30    | 1,30   | 0,161 | TR 72351C | 23,20   | 15,00   | 4,10   | 0,667 |
| TR 0017   | 15,88   | 1,00    | 1,00   | 0,126 | TR 72391C | 23,50   | 17,50   | 3,00   | 0,524 |
| TR 0018   | 15,88   | 1,24    | 1,24   | 0,153 | TR 176    | 24,00   | 19,00   | 2,50   | 0,457 |
| TR 0019   | 15,88   | 1,59    | 1,59   | 0,192 | TR 72227  | 24,50   | 12,50   | 6,00   | 0,945 |
| TR 0020   | 15,88   | 2,38    | 2,38   | 0,270 | TR 72304C | 25,00   | 21,84   | 1,58   | 0,315 |
| TR 72293C | 15,90   | 1,20    | 1,20   | 0,150 | TR 72352C | 25,00   | 21,00   | 2,00   | 0,392 |
| TR 72274  | 17,00   | 2,00    | 2,00   | 0,255 | TR 72366C | 25,00   | 20,20   | 2,40   | 0,462 |
| TR 72130  | 17,50   | 3,25    | 3,25   | 0,392 | TR 72283C | 25,20   | 23,20   | 1,00   | 0,206 |
| TR 72313C | 18,40   | 1,50    | 1,50   | 0,215 | TR 72291C | 25,25   | 19,00   | 3,10   | 0,588 |
| TR 72254  | 18,50   | 1,58    | 1,58   | 0,227 | TR 0044   | 25,40   | 23,40   | 1,00   | 0,206 |
| TR 0026   | 19,05   | 1,00    | 1,00   | 0,153 | TR 0045   | 25,40   | 22,92   | 1,24   | 0,255 |
| TR 0027   | 19,05   | 1,24    | 1,24   | 0,188 | TR 72241  | 25,40   | 22,40   | 1,50   | 0,305 |
| TR 72361C | 19,05   | 1,40    | 1,40   | 0,210 | TR 0046   | 25,40   | 22,22   | 1,59   | 0,322 |
| TR 72321C | 19,05   | 1,50    | 1,50   | 0,224 | TR 0222   | 25,40   | 21,40   | 2,00   | 0,398 |
| TR 0028   | 19,05   | 1,59    | 1,59   | 0,236 | TR 0047   | 25,40   | 20,60   | 2,40   | 0,466 |
| TR 0544   | 19,05   | 2,50    | 2,50   | 0,352 | TR 0048   | 25,40   | 19,04   | 3,18   | 0,601 |
| TR 0030   | 19,05   | 3,18    | 3,18   | 0,429 | TR 72266  | 25,40   | 15,80   | 4,80   | 0,850 |
| TR 72319C | 19,80   | 5,80    | 5,80   | 0,689 | TR 72127  | 25,40   | 12,30   | 6,55   | 1,047 |
| TR 72269  | 19,90   | 1,20    | 1,20   | 0,191 | TR 72080  | 26,70   | 22,30   | 2,20   | 0,457 |
| TR 72286C | 20,00   | 1,80    | 1,80   | 0,278 | TR 0050   | 26,67   | 20,93   | 2,87   | 0,579 |
| TR 72146  | 20,00   | 5,50    | 5,50   | 0,679 | TR 72350C | 27,00   | 18,00   | 4,50   | 0,862 |
| TR 72165  | 20,50   | 2,40    | 2,40   | 0,370 | TR 72028  | 28,00   | 25,80   | 1,10   | 0,250 |
| TR 72251  | 20,70   | 5,00    | 5,00   | 0,668 | TR 72359C | 28,50   | 14,50   | 7,00   | 1,281 |
| TR 0366   | 21,00   | 1,50    | 1,50   | 0,249 | TR 72276C | 28,58   | 26,59   | 1,00   | 0,232 |
| TR 72332C | 21,30   | 3,73    | 3,73   | 0,557 | TR 0053   | 28,58   | 25,42   | 1,58   | 0,363 |
| TR 72103  | 21,30   | 3,75    | 3,75   | 0,558 | TR 72360C | 28,57   | 20,63   | 3,97   | 0,831 |



## TUBO REDONDO

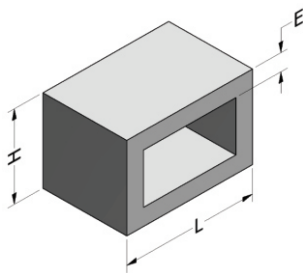
| Código    | DE (mm) | DI (mm) | E (mm) | kg/m  | Código    | DE (mm) | DI (mm) | E (mm) | kg/m  |
|-----------|---------|---------|--------|-------|-----------|---------|---------|--------|-------|
| TR 72222  | 30,00   | 23,00   | 3,50   | 0,789 | TR 72102  | 42,80   | 27,00   | 7,90   | 2,338 |
| TR 72098  | 30,00   | 19,80   | 5,10   | 1,077 | TR 72344C | 43,50   | 30,00   | 6,75   | 2,112 |
| TR 72342C | 30,00   | 17,50   | 6,30   | 1,270 | TR 0081   | 44,45   | 41,29   | 1,58   | 0,576 |
| TR 72310C | 30,00   | 16,20   | 6,90   | 1,357 | TR 72207  | 44,45   | 38,11   | 3,17   | 1,114 |
| TR 72282C | 31,60   | 29,55   | 1,03   | 0,268 | TR 72142  | 44,73   | 41,29   | 1,72   | 0,630 |
| TR 0461   | 31,75   | 29,75   | 1,00   | 0,262 | TR 72315  | 45,00   | 41,00   | 2,00   | 0,732 |
| TR 72364C | 31,75   | 29,35   | 1,20   | 0,312 | TR 72328C | 46,40   | 20,70   | 12,85  | 3,670 |
| TR 0058   | 31,75   | 28,57   | 1,59   | 0,408 | TR 72155  | 47,60   | 29,30   | 9,15   | 1,012 |
| TR 0060   | 31,75   | 26,99   | 2,38   | 0,592 | TR 0088   | 48,26   | 40,90   | 3,68   | 1,396 |
| TR 0580   | 31,75   | 25,65   | 3,05   | 0,745 | TR 72262  | 48,50   | 33,80   | 7,35   | 2,574 |
| TR 0061   | 31,75   | 25,41   | 3,17   | 0,770 | TR 72261  | 48,50   | 32,00   | 8,25   | 2,827 |
| TR 0059   | 31,80   | 27,80   | 2,00   | 0,506 | TR 72257  | 50,00   | 46,00   | 2,00   | 0,817 |
| TR 72353C | 32,00   | 20,50   | 5,75   | 1,285 | TR 72169  | 50,80   | 48,26   | 1,27   | 0,533 |
| TR 72339C | 32,50   | 21,70   | 5,40   | 1,250 | TR 72268  | 55,00   | 51,60   | 1,70   | 0,771 |
| TR 72091  | 33,30   | 19,80   | 6,75   | 1,520 | TR 72182  | 55,00   | 51,00   | 2,00   | 0,902 |
| TR 72126  | 33,40   | 28,20   | 2,60   | 0,679 | TR 72287D | 55,00   | 50,12   | 2,44   | 1,090 |
| TR 0066   | 33,40   | 26,64   | 3,38   | 0,860 | TR 72180  | 55,00   | 43,00   | 6,00   | 2,503 |
| TR 72325C | 34,70   | 32,30   | 1,35   | 0,383 | TR 72099  | 55,50   | 35,70   | 9,90   | 2,830 |
| TR 72072  | 34,70   | 31,00   | 1,85   | 0,515 | TR 72183  | 57,20   | 52,44   | 2,38   | 1,110 |
| TR 72073  | 34,70   | 29,00   | 2,85   | 0,770 | TR 72228  | 58,40   | 36,80   | 10,80  | 4,380 |
| TR 72329C | 34,70   | 10,80   | 11,95  | 2,314 | TR 72232  | 60,00   | 57,00   | 1,50   | 0,747 |
| TR 653C   | 34,92   | 28,58   | 3,17   | 0,856 | TR 72197  | 60,00   | 56,00   | 2,00   | 0,987 |
| TR 72133  | 35,00   | 32,00   | 1,50   | 0,426 | TR 72105  | 60,00   | 51,00   | 4,50   | 2,118 |
| TR 407    | 35,00   | 31,00   | 2,00   | 0,561 | TR 72154  | 60,00   | 50,00   | 5,00   | 2,341 |
| TR 72312C | 35,00   | 25,00   | 5,00   | 1,130 | TR 72186  | 60,30   | 55,30   | 2,50   | 1,230 |
| TR 72340C | 36,00   | 23,50   | 6,25   | 1,590 | TR 0100   | 60,33   | 52,51   | 3,91   | 1,878 |
| TR 72295C | 38,10   | 35,90   | 1,10   | 0,346 | TR 0101   | 60,33   | 49,25   | 5,54   | 2,584 |
| TR 0069   | 38,10   | 35,10   | 1,50   | 0,467 | TR 602    | 60,33   | 42,91   | 8,71   | 3,829 |
| TR 72055  | 38,10   | 34,10   | 2,00   | 0,612 | TR 72253  | 60,69   | 57,05   | 1,82   | 0,912 |
| TR 72231  | 38,10   | 33,34   | 2,38   | 0,723 | TR 72327C | 62,00   | 58,00   | 2,00   | 1,021 |
| TR 72233  | 38,10   | 32,90   | 2,60   | 0,785 | TR 72246  | 62,00   | 40,00   | 11,00  | 4,776 |
| TR 0070   | 38,10   | 31,75   | 3,18   | 0,940 | TR 156    | 63,00   | 60,00   | 1,50   | 0,782 |
| TR 72210  | 38,10   | 24,60   | 6,75   | 1,802 | TR 72243  | 63,00   | 59,40   | 1,80   | 0,937 |
| TR 72292C | 38,10   | 24,00   | 7,05   | 1,863 | TR 72189  | 63,50   | 60,30   | 1,60   | 0,843 |
| TR 72285C | 38,20   | 35,10   | 1,55   | 0,483 | TR 72081  | 63,50   | 60,20   | 1,65   | 0,865 |
| TR 72320C | 38,40   | 36,20   | 1,10   | 0,349 | TR 72198  | 63,50   | 60,10   | 1,70   | 0,894 |
| TR 72354C | 38,50   | 26,50   | 6,00   | 1,660 | TR 72158  | 63,50   | 58,50   | 2,50   | 1,298 |
| TR 72156  | 39,20   | 36,00   | 1,60   | 0,512 | TR 72223  | 63,50   | 57,40   | 3,05   | 1,569 |
| TR 72267  | 40,00   | 34,80   | 2,60   | 0,827 | TR 72148  | 63,50   | 57,14   | 3,18   | 1,633 |
| TR 72263  | 41,50   | 26,70   | 7,40   | 2,148 | TR 72101  | 63,50   | 41,00   | 11,25  | 4,985 |
| TR 72205  | 42,00   | 28,00   | 7,00   | 2,085 | TR 72040  | 64,00   | 60,00   | 2,00   | 1,051 |
| TR 0075   | 42,17   | 35,05   | 3,56   | 1,165 | TR 72194  | 64,00   | 47,00   | 8,50   | 4,016 |
| TR 0471   | 42,20   | 33,20   | 4,50   | 1,444 | TR 72008  | 65,00   | 62,00   | 1,50   | 0,811 |



## TUBO REDONDO

| Código    | DE (mm) | DI (mm) | E (mm) | kg/m  |
|-----------|---------|---------|--------|-------|
| TR 72322C | 65,00   | 46,00   | 9,50   | 4,488 |
| TR 72118  | 65,00   | 43,30   | 10,85  | 4,984 |
| TR 72211  | 66,00   | 63,00   | 1,50   | 0,823 |
| TR 72106  | 67,00   | 48,00   | 9,50   | 4,633 |
| TR 72093  | 69,85   | 63,51   | 3,17   | 1,792 |
| TR 72014  | 70,00   | 67,00   | 1,50   | 0,871 |
| TR 72009  | 70,00   | 64,00   | 3,00   | 1,711 |
| TR 72120  | 70,00   | 63,00   | 3,50   | 1,981 |
| TR 72179  | 70,00   | 58,00   | 6,00   | 3,269 |
| TR 72104  | 70,00   | 46,50   | 11,75  | 5,805 |
| TR 0609   | 50,80   | 47,90   | 1,45   | 0,609 |
| TR 72185  | 50,80   | 47,60   | 1,60   | 0,670 |
| TR 72213  | 50,80   | 47,50   | 1,65   | 0,690 |
| TR 72060  | 50,80   | 46,80   | 2,00   | 0,830 |
| TR 72264  | 50,80   | 34,80   | 3,00   | 1,220 |
| TR 72229  | 50,80   | 44,44   | 3,18   | 1,289 |
| TR 72236  | 50,80   | 42,80   | 4,00   | 1,593 |
| TR 72252  | 50,80   | 38,10   | 6,35   | 2,403 |
| TR 72271  | 50,80   | 34,70   | 8,05   | 2,929 |
| TR 652C   | 53,00   | 33,80   | 9,60   | 3,547 |
| TR 72277C | 73,00   | 69,00   | 2,00   | 1,208 |
| TR 72275  | 73,00   | 67,00   | 3,00   | 1,787 |
| TR 0109   | 73,03   | 62,71   | 5,16   | 2,981 |
| TR 0110   | 73,03   | 59,01   | 7,01   | 3,925 |
| TR 72307C | 75,00   | 71,00   | 2,00   | 1,242 |
| TR 0324   | 76,20   | 73,66   | 1,27   | 0,807 |
| TR 72163  | 76,20   | 73,04   | 1,58   | 1,004 |
| TR 72201  | 76,20   | 72,80   | 1,70   | 1,078 |
| TR 72206  | 76,20   | 72,20   | 2,00   | 1,263 |
| TR 72324C | 76,20   | 71,50   | 2,35   | 1,477 |
| TR 72159  | 76,20   | 71,20   | 2,50   | 1,569 |
| TR 0167   | 76,20   | 70,20   | 3,00   | 1,869 |
| TR 72117  | 76,20   | 69,84   | 3,18   | 1,966 |
| TR 72302C | 76,20   | 65,00   | 5,60   | 3,365 |
| TR 72248  | 77,00   | 73,00   | 2,00   | 1,277 |
| TR 72010  | 80,00   | 76,00   | 2,00   | 1,323 |
| TR 72330C | 80,00   | 75,00   | 2,50   | 1,649 |
| TR 72090  | 80,00   | 64,00   | 8,00   | 4,885 |
| TR 72219  | 82,00   | 77,00   | 2,50   | 1,692 |
| TR 72331C | 83,80   | 67,80   | 8,00   | 5,162 |
| TR 0248   | 84,60   | 76,60   | 4,00   | 2,734 |
| TR 72281C | 88,90   | 84,90   | 2,00   | 1,479 |
| TR 0117   | 88,90   | 77,90   | 5,50   | 3,898 |
| TR 72355C | 88,90   | 76,20   | 6,35   | 4,463 |
| TR 72187  | 90,00   | 86,00   | 2,00   | 1,498 |
| TR 72137  | 90,00   | 84,00   | 3,00   | 2,222 |
| TR 72250  | 91,00   | 80,00   | 5,50   | 4,003 |
| TR 72296C | 95,00   | 87,00   | 4,00   | 3,098 |

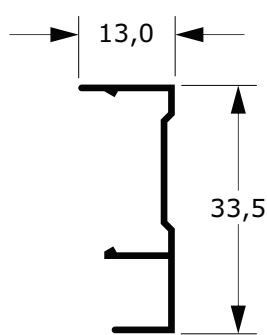
| Código    | DE (mm) | DI (mm) | E (mm) | kg/m   |
|-----------|---------|---------|--------|--------|
| TR 72316C | 95,00   | 61,00   | 17,00  | 11,289 |
| TR 72240  | 97,20   | 90,20   | 3,50   | 2,792  |
| TR 72256  | 98,90   | 91,60   | 3,65   | 2,960  |
| TR 72299C | 100,00  | 97,00   | 1,50   | 1,257  |
| TR 72200  | 100,00  | 96,00   | 2,00   | 1,668  |
| TR 72168  | 100,00  | 86,00   | 7,00   | 5,547  |
| TR 0337   | 101,60  | 99,20   | 1,20   | 1,025  |
| TR 72190  | 101,60  | 98,44   | 1,58   | 1,345  |
| TR 72172  | 101,60  | 97,60   | 2,00   | 1,695  |
| TR 182    | 101,60  | 96,40   | 2,60   | 2,191  |
| TR 72238  | 101,60  | 88,90   | 6,35   | 5,149  |
| TR 0649   | 101,60  | 95,26   | 3,17   | 2,656  |
| TR 0122   | 101,60  | 90,12   | 5,74   | 4,791  |
| TR 72365C | 103,90  | 97,90   | 3,00   | 2,577  |
| TR 0362   | 105,00  | 98,00   | 3,50   | 3,024  |
| TR 72218  | 107,90  | 101,90  | 3,00   | 2,679  |
| TR 72273  | 107,95  | 101,11  | 3,42   | 3,047  |
| TR 72318D | 108,50  | 100,00  | 4,25   | 3,772  |
| TR 72171  | 110,00  | 106,60  | 1,70   | 1,567  |
| TR 72176  | 110,00  | 105,00  | 2,50   | 2,288  |
| TR 72259  | 110,00  | 103,00  | 3,50   | 3,173  |
| TR 72323C | 114,30  | 108,20  | 3,05   | 2,888  |
| TR 72284C | 114,30  | 106,60  | 3,85   | 3,620  |
| TR 0125   | 114,30  | 102,26  | 6,02   | 5,549  |
| TR 0127   | 114,30  | 97,18   | 8,56   | 7,706  |
| TR 0137   | 114,30  | 95,24   | 9,53   | 8,500  |
| TR 0610   | 114,30  | 92,10   | 11,10  | 9,752  |
| TR 72249  | 120,00  | 116,60  | 1,70   | 1,712  |
| TR 72217  | 120,00  | 113,00  | 3,50   | 3,471  |
| TR 72346D | 120,00  | 108,00  | 6,00   | 5,824  |
| TR 72345D | 120,00  | 98,00   | 11,00  | 10,208 |
| TR 72202  | 127,00  | 121,00  | 3,00   | 3,167  |
| TR 0129   | 127,00  | 114,46  | 6,27   | 6,444  |
| TR 72335C | 127,00  | 110,00  | 8,50   | 8,575  |
| TR 0131   | 127,00  | 108,98  | 9,01   | 9,050  |
| TR 0132   | 141,30  | 128,20  | 6,55   | 7,514  |
| TR 133    | 141,30  | 122,26  | 9,52   | 10,680 |
| TR 72221  | 150,00  | 142,00  | 4,00   | 4,972  |
| TR 72317D | 152,40  | 149,20  | 1,60   | 2,054  |
| TR 72294D | 152,40  | 146,04  | 3,18   | 4,033  |
| TR 72349C | 154,00  | 116,00  | 19,00  | 21,838 |
| TR 136    | 168,20  | 146,26  | 10,97  | 14,684 |
| TR 0135   | 168,28  | 154,06  | 7,11   | 9,756  |
| TR 72305D | 178,00  | 149,00  | 14,50  | 20,183 |
| TR 72371E | 200,00  | 180,00  | 10,00  | 16,716 |
| TR 72363E | 203,20  | 199,40  | 1,90   | 3,256  |
| TR 650C   | 219,08  | 202,72  | 8,18   | 14,687 |
| TR 72362E | 244,00  | 200,00  | 22,00  | 41,581 |



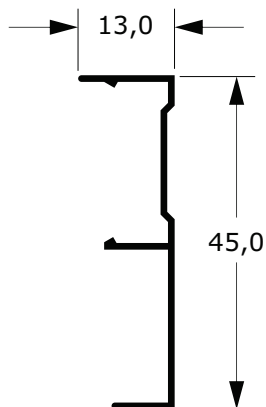
## TUBO RETANGULAR

| Código     | L (mm) | H (mm) | E (mm) | kg/m  | Código     | L (mm) | H (mm) | E (mm) | kg/m  |
|------------|--------|--------|--------|-------|------------|--------|--------|--------|-------|
| TG 74021   | 20,00  | 12,00  | 1,50   | 0,235 | TG 74023   | 76,20  | 25,40  | 1,58   | 0,842 |
| TG 74032   | 25,40  | 12,70  | 1,00   | 0,195 | TG 74067C  | 76,20  | 25,40  | 2,00   | 1,058 |
| TG 4584    | 25,40  | 12,70  | 1,58   | 0,299 | TG 74059C  | 76,20  | 38,10  | 1,30   | 0,790 |
| TG 4501    | 25,40  | 12,70  | 1,65   | 0,311 | TG 74002   | 76,20  | 38,10  | 1,50   | 0,904 |
| TG 74009   | 28,00  | 9,00   | 1,40   | 0,258 | TG 4517    | 76,20  | 38,10  | 2,00   | 1,196 |
| TG 74041C  | 30,00  | 10,00  | 1,50   | 0,300 | TG 4518    | 76,20  | 38,10  | 3,00   | 1,780 |
| TG 4509    | 30,00  | 20,00  | 2,00   | 0,497 | TG 4573    | 76,20  | 50,80  | 3,18   | 2,079 |
| TG 74034C  | 36,00  | 20,00  | 1,30   | 0,375 | TG 74065C  | 80,00  | 40,00  | 4,00   | 2,432 |
| TG 74016   | 38,10  | 25,40  | 1,20   | 0,397 | TG 74027   | 80,00  | 40,00  | 5,00   | 2,981 |
| TG 74037C  | 38,10  | 25,40  | 1,58   | 0,516 | TG 74047C  | 80,00  | 60,00  | 2,00   | 1,474 |
| TG 4545    | 38,10  | 25,40  | 2,00   | 0,642 | TG 74004   | 83,90  | 57,10  | 3,17   | 2,300 |
| TG 74028   | 40,00  | 20,00  | 1,50   | 0,463 | TG 74044C  | 100,00 | 30,00  | 3,00   | 2,016 |
| TG 74054C  | 40,00  | 20,00  | 3,00   | 0,878 | TG 74040C  | 100,00 | 40,00  | 1,50   | 1,113 |
| TG 781931C | 45,00  | 35,00  | 2,00   | 0,823 | TG 74055C  | 100,00 | 60,00  | 4,00   | 3,295 |
| TG 74005   | 46,00  | 23,00  | 1,00   | 0,363 | TG 74018   | 101,60 | 25,40  | 3,18   | 2,076 |
| TG 74008   | 50,00  | 30,00  | 2,00   | 0,821 | TG 4537    | 101,60 | 38,10  | 2,40   | 1,754 |
| TG 74056C  | 50,00  | 38,10  | 3,00   | 1,334 | TG 74060C  | 101,60 | 50,80  | 1,50   | 1,220 |
| TG 74045C  | 50,80  | 12,70  | 1,00   | 0,333 | TG 74024   | 101,60 | 50,80  | 1,60   | 1,293 |
| TG 4536    | 50,80  | 12,70  | 1,50   | 0,492 | TG 74053C  | 101,60 | 50,80  | 2,40   | 1,919 |
| TG 74001   | 50,80  | 25,40  | 1,00   | 0,402 | TG 74003   | 101,60 | 50,80  | 2,00   | 1,602 |
| TG 4563    | 50,80  | 25,40  | 1,20   | 0,479 | TG 4530    | 101,60 | 50,80  | 3,05   | 2,418 |
| TG 4569    | 50,80  | 25,40  | 1,60   | 0,630 | TG 74014   | 101,60 | 50,80  | 4,60   | 3,570 |
| TG 4504    | 50,80  | 25,40  | 2,00   | 0,780 | TG 74035C  | 118,00 | 45,00  | 3,00   | 2,552 |
| TG 4513    | 50,80  | 38,10  | 2,00   | 0,920 | TG 74048C  | 125,00 | 80,00  | 2,00   | 2,178 |
| TG 74020   | 50,80  | 38,10  | 1,58   | 0,734 | TG 4600    | 127,00 | 50,80  | 3,17   | 2,945 |
| TG 74022   | 53,00  | 9,50   | 1,40   | 0,452 | TG 74017   | 130,00 | 50,80  | 2,50   | 2,043 |
| TG 74015   | 60,30  | 38,10  | 1,40   | 0,725 | TG 74036C  | 152,40 | 38,10  | 2,00   | 2,021 |
| TG 4543    | 60,30  | 38,10  | 1,70   | 0,870 | TG 4520    | 152,40 | 38,10  | 3,20   | 3,193 |
| TG 74069C  | 60,30  | 38,10  | 2,00   | 1,023 | TG 4559    | 152,40 | 50,80  | 3,00   | 3,206 |
| TG 74006   | 72,00  | 35,00  | 1,40   | 0,790 | TG 782141D | 200,00 | 50,00  | 2,00   | 2,667 |
|            |        |        |        |       | TG 782140D | 250,00 | 50,00  | 2,50   | 3,997 |

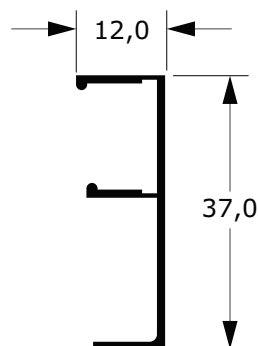
**ARREMATES  
CONTRAMARCOS  
MACHO E CUNHA**

**BE-504**

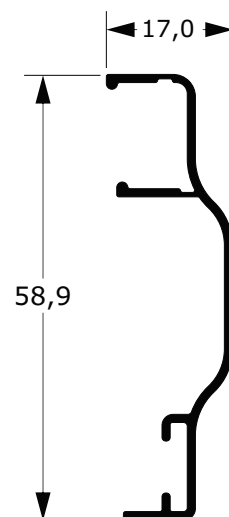
0,156 Kg/m

**B39-065**

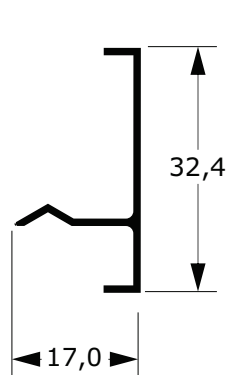
0,184 Kg/m

**BRA-347**

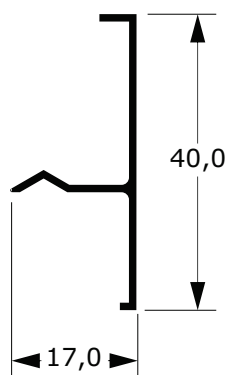
0,197 Kg/m

**BRA-1175**

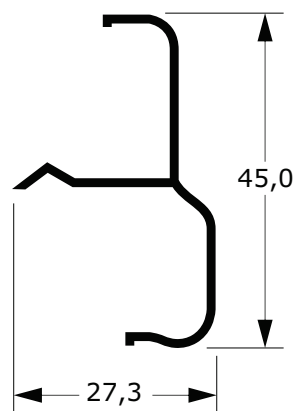
0,297 kg/m

**BRA-007**

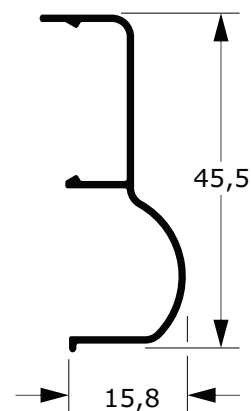
0,157 Kg/m

**BRA-006**

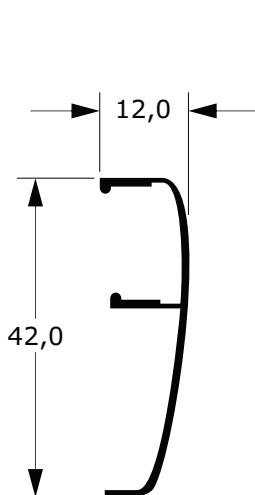
0,168 Kg/m

**B39-448**

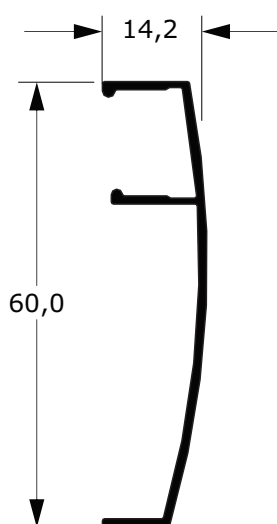
0,283 Kg/m

**BCA-063A**

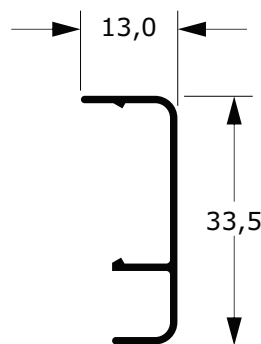
0,209 Kg/m

**BRA-1177 C**

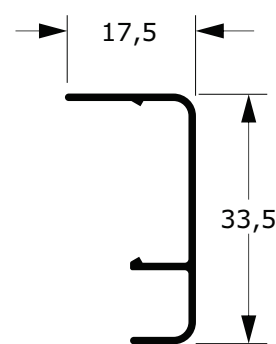
0,210 Kg/m

**BRA-1178 C**

0,273 Kg/m

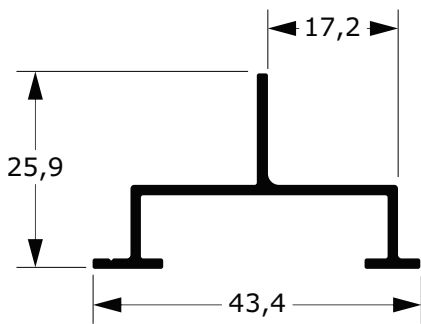
**BRA-613**

0,152 kg/m

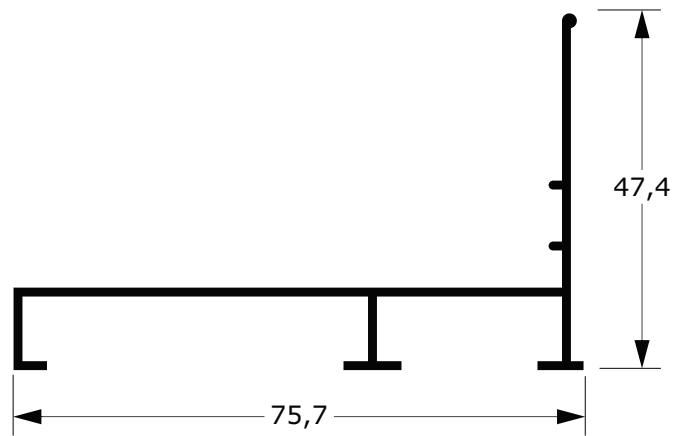
**B39-816**

0,175 Kg/m

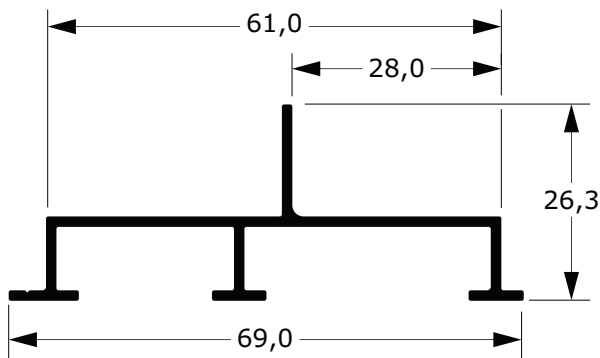




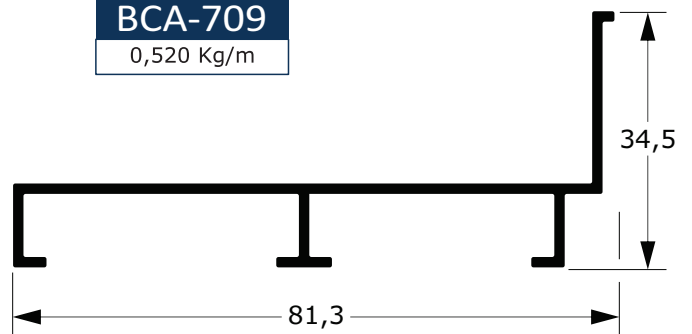
**BCA-204**  
0,327 Kg/m



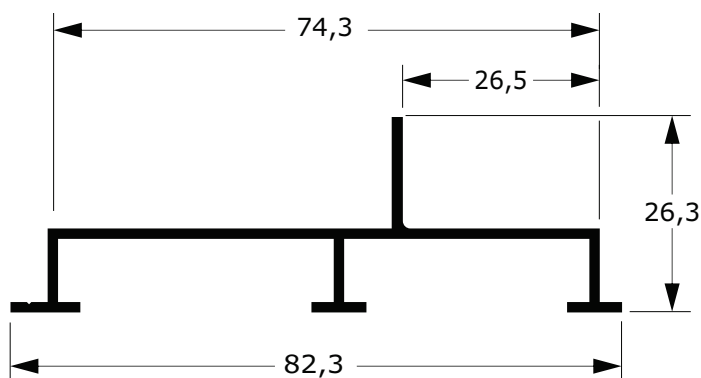
**BCA-709**  
0,520 Kg/m



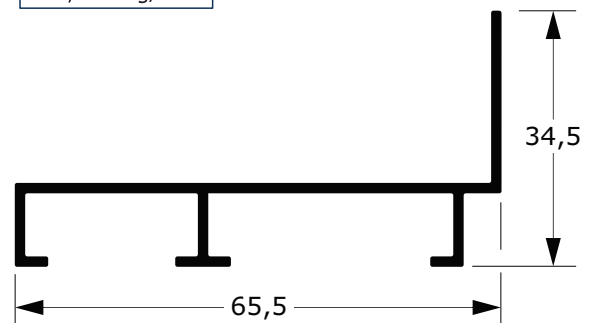
**BCA-126**  
0,477 Kg/m



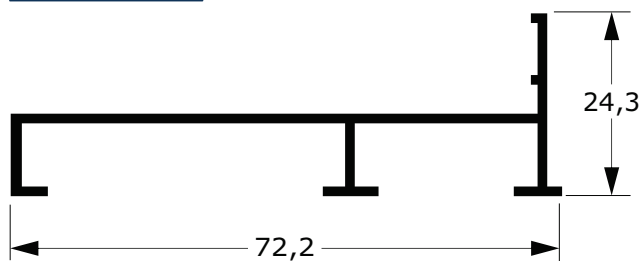
**BCA-028**  
0,554 Kg/m



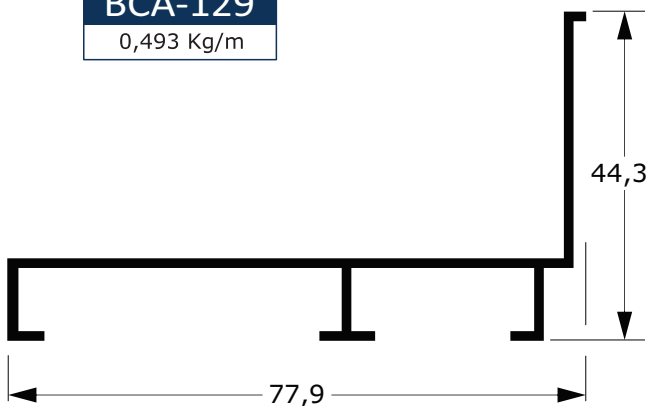
**BCA-125**  
0,531 Kg/m



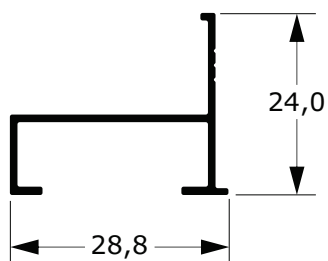
**BCA-129**  
0,493 Kg/m



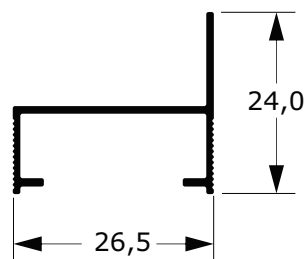
**BCA-113**  
0,468 Kg/m



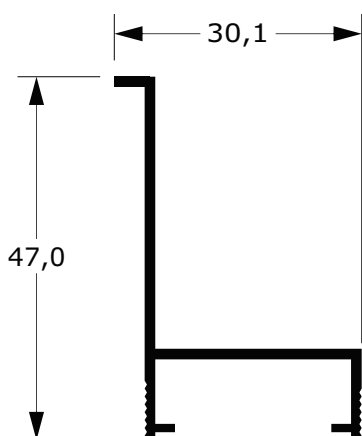
**BCA-517**  
0,531 Kg/m



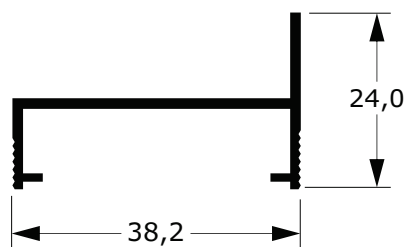
**BCA-721A**  
0,188 Kg/m



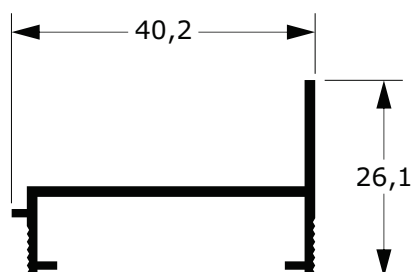
**BCA-063A**  
0,175 Kg/m



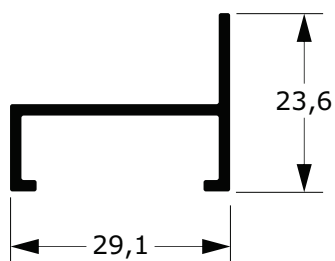
**BCA-151**  
0,333 Kg/m



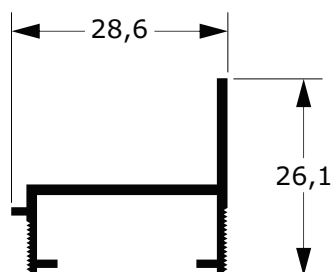
**BCA-060A**  
0,223 Kg/m



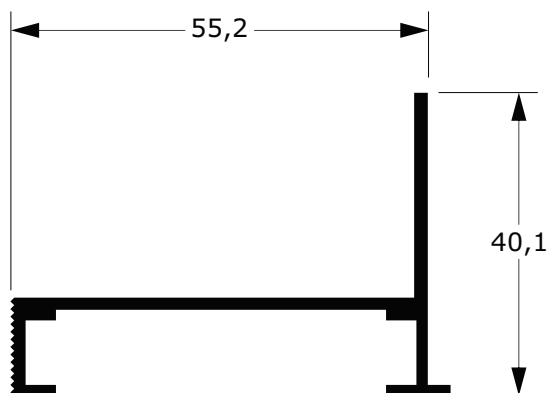
**B39-118**  
0,293 Kg/m



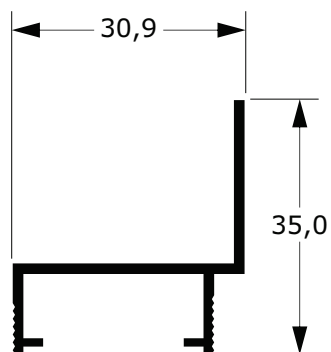
**BY-120**  
0,263 Kg/m



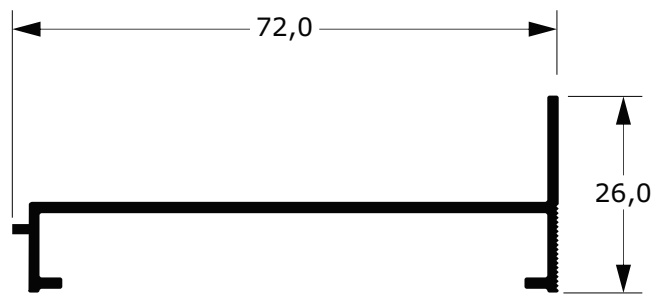
**B39-126**  
0,245 Kg/m



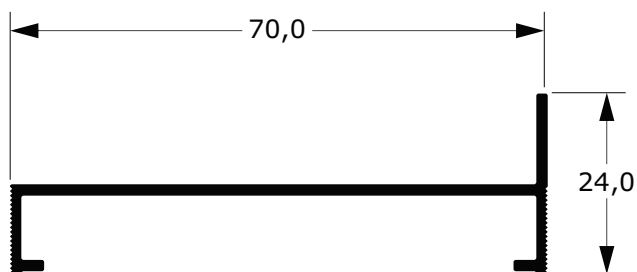
**B39-161**  
0,544 Kg/m



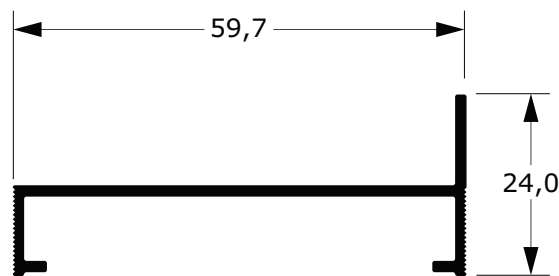
**B39-500**  
0,295 kg/m



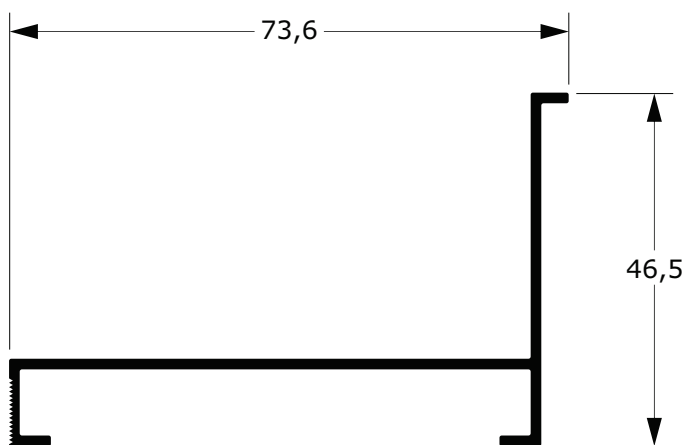
**B39-119**  
0,414 Kg/m



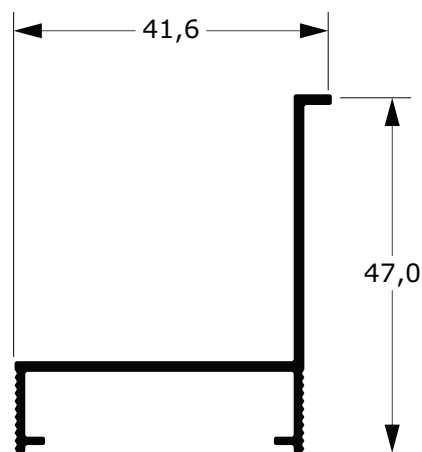
**BCA-096**  
0,394 Kg/m



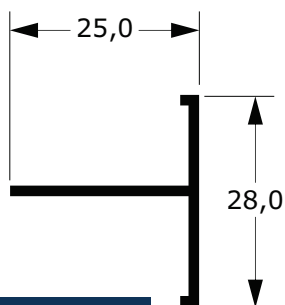
**B39-341**  
0,392 Kg/m



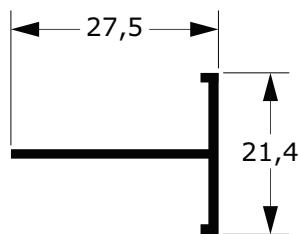
**BCA-032**  
0,513 Kg/m



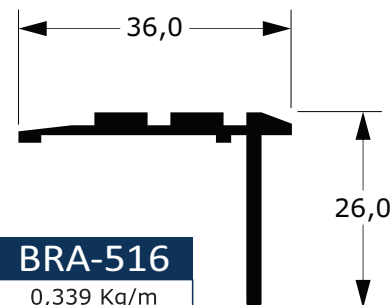
**BCA-098**  
0,377 Kg/m



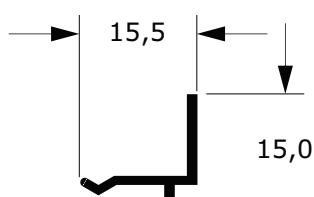
**BT-095**  
0,204 Kg/m



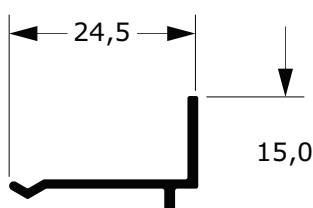
**BT-155**  
0,188 Kg/m



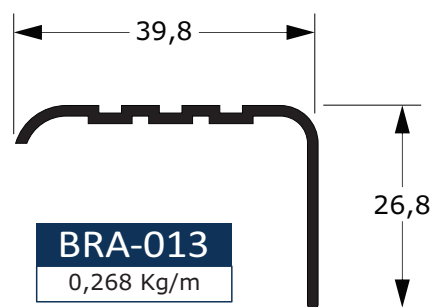
**BRA-516**  
0,339 Kg/m



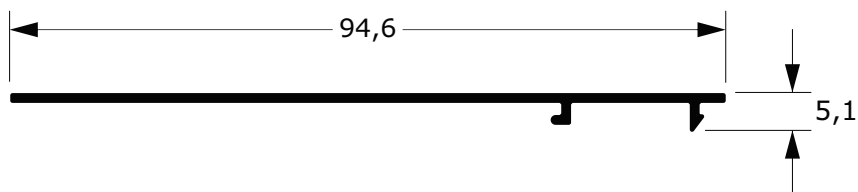
**BCA-014**  
0,104 Kg/m



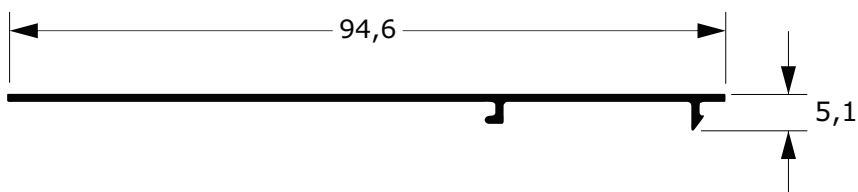
**BCA-013**  
0,134 Kg/m



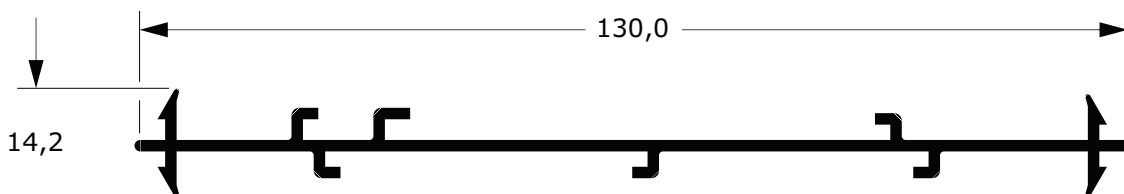
**BRA-013**  
0,268 Kg/m



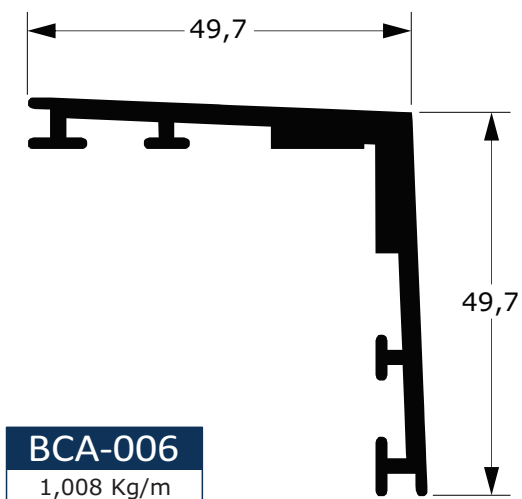
**BCA-207**  
0,360 Kg/m



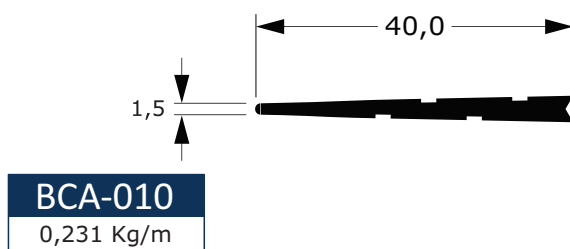
**BCA-209**  
0,361 Kg/m



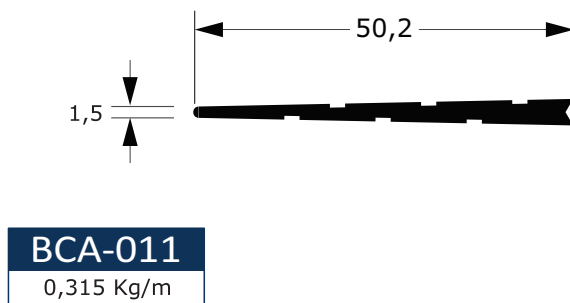
**BCA-093**  
0,766 Kg/m



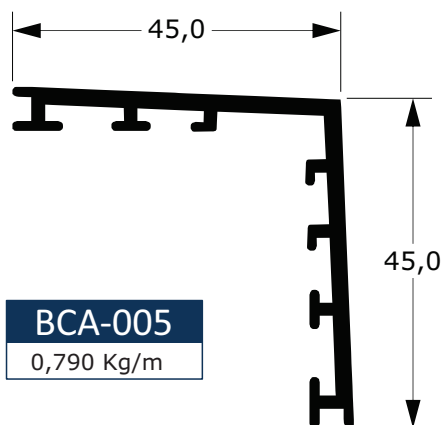
**BCA-006**  
1,008 Kg/m



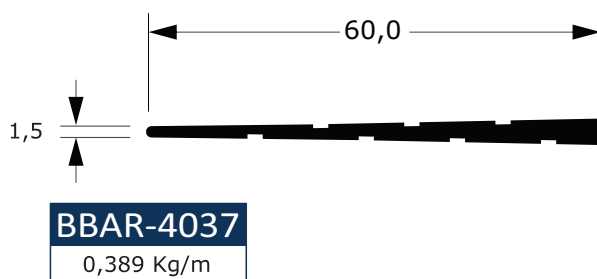
**BCA-010**  
0,231 Kg/m



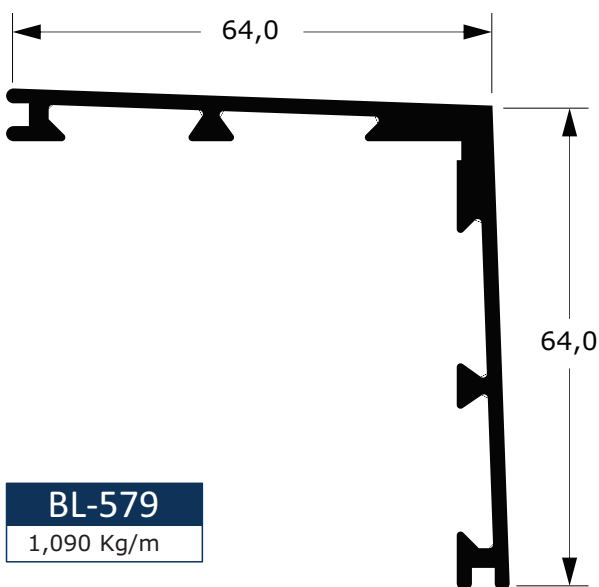
**BCA-011**  
0,315 Kg/m



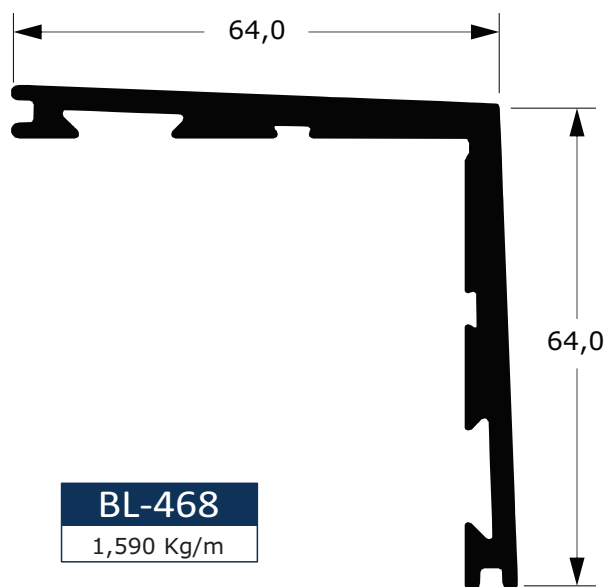
**BCA-005**  
0,790 Kg/m



**BBAR-4037**  
0,389 Kg/m

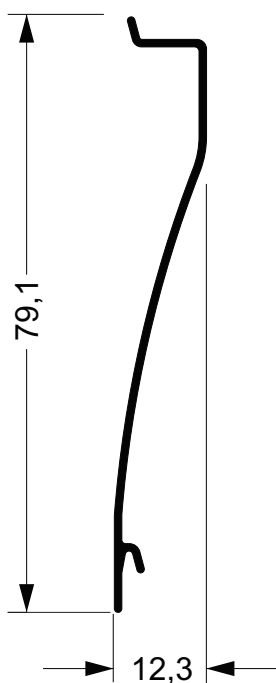


**BL-579**  
1,090 Kg/m

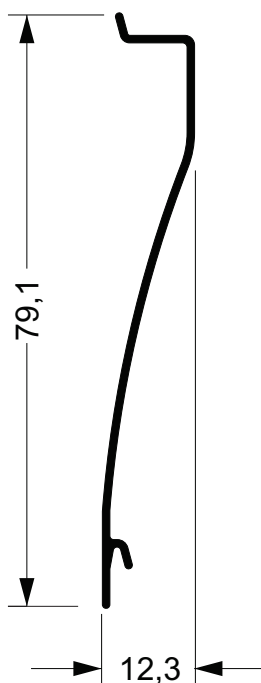


**BL-468**  
1,590 Kg/m

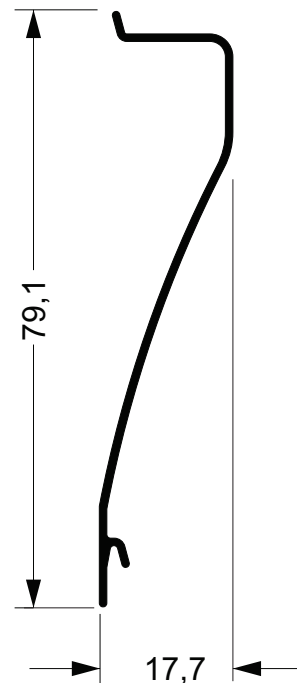
# PALHETAS



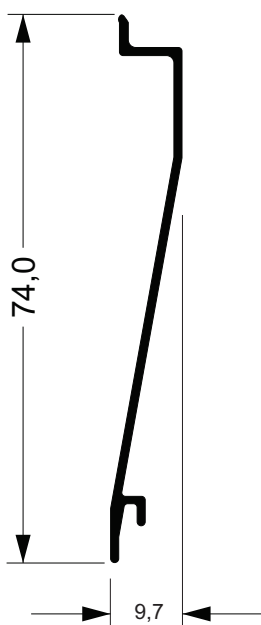
**BVA-012**  
0,255 kg/m



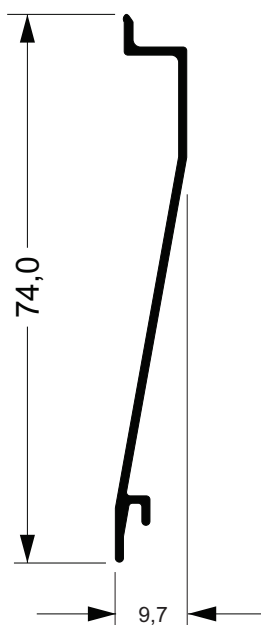
**BVA-012F**  
0,253 kg/m



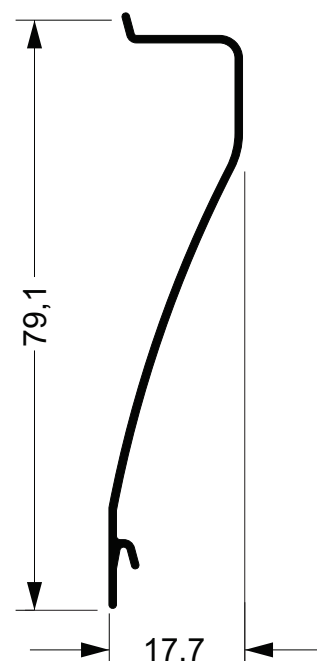
**BVA-017**  
0,274 kg/m



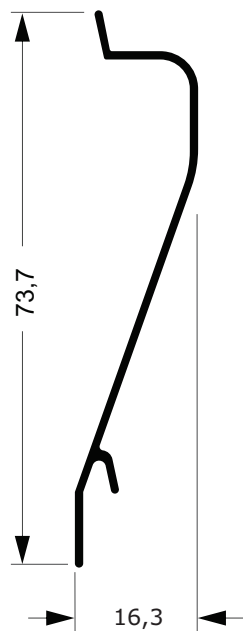
**BVA-024**  
0,271 kg/m



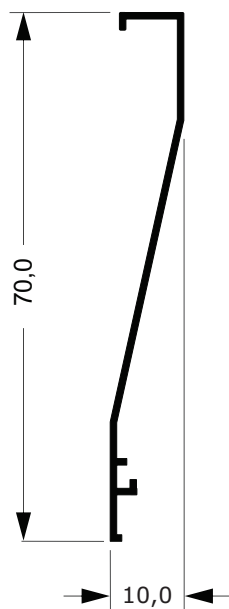
**BVA-024F**  
0,271 kg/m



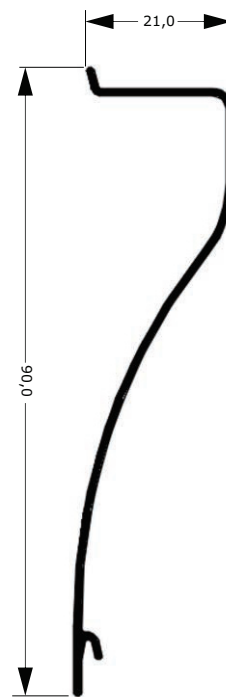
**BVA-017F**  
0,274 kg/m



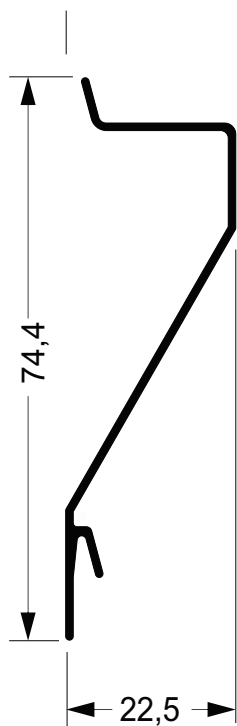
**B39-463**  
0,266 Kg/m



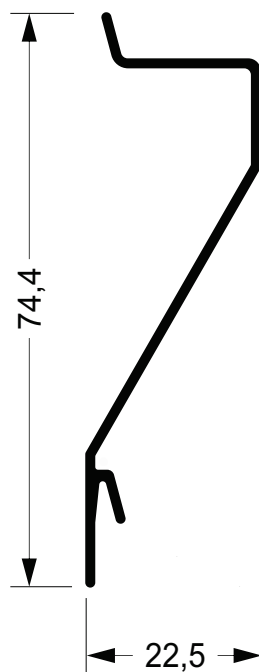
**BZ-163**  
0,255 Kg/m



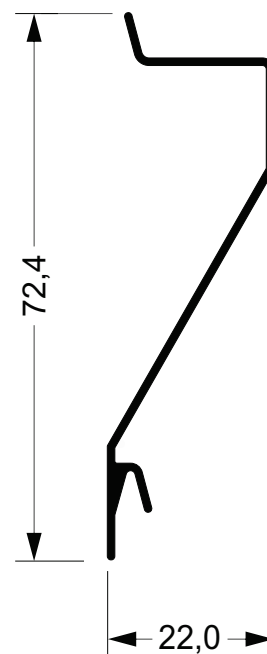
**B19-1094C**  
0,321 Kg/m



**B19-920C**  
0,291 kg/m

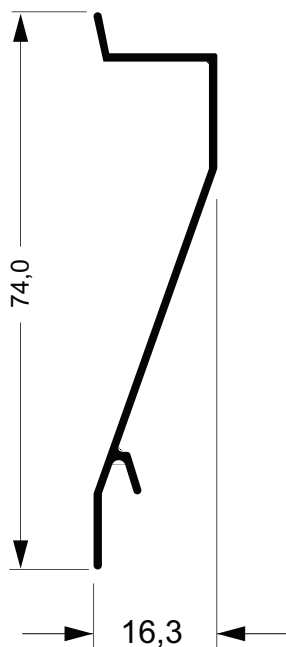


**BVA-203**  
0,329 kg/m

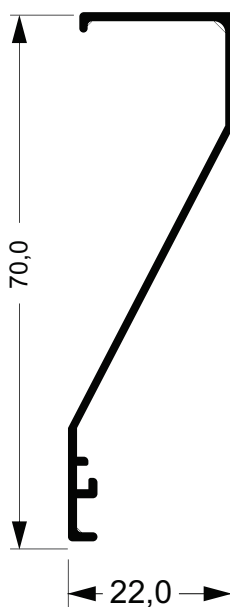


**BVA-203A**  
0,292 kg/m

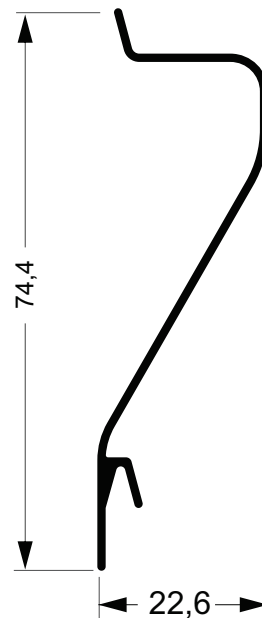




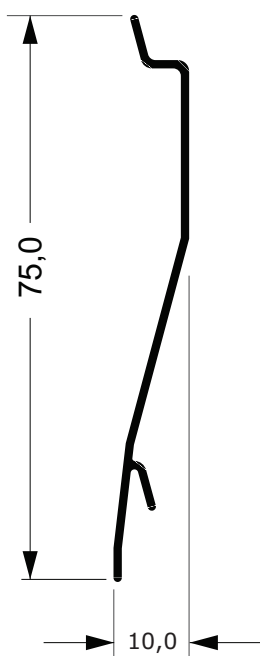
**BVZ-023**  
0,293 Kg/m



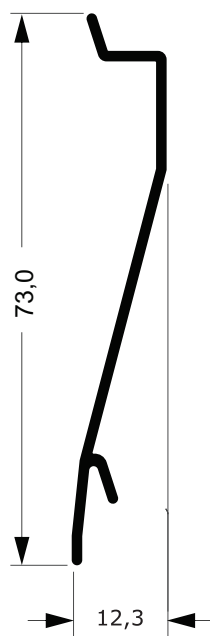
**BZ-148**  
0,338 Kg/m



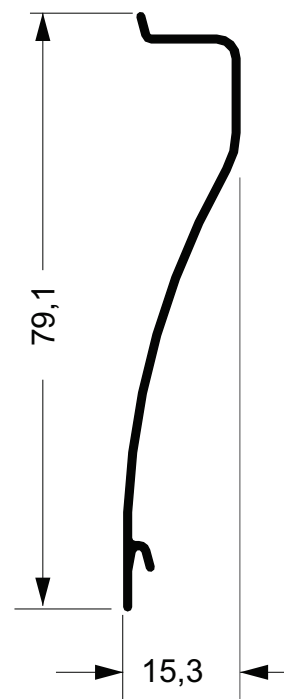
**B39-528**  
0,323 Kg/m



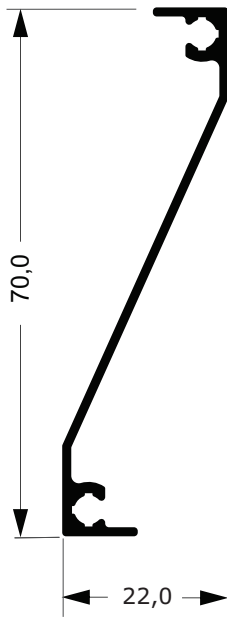
**BVA-201**  
0,263 kg/m



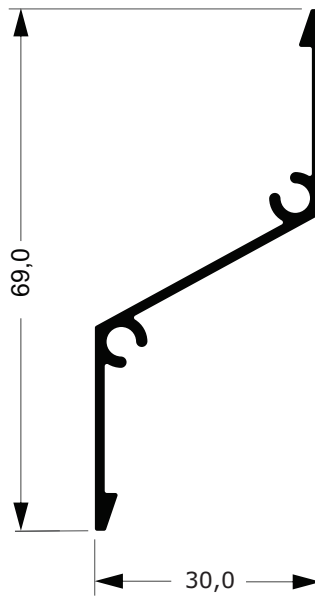
**BZ-284**  
0,265 Kg/m



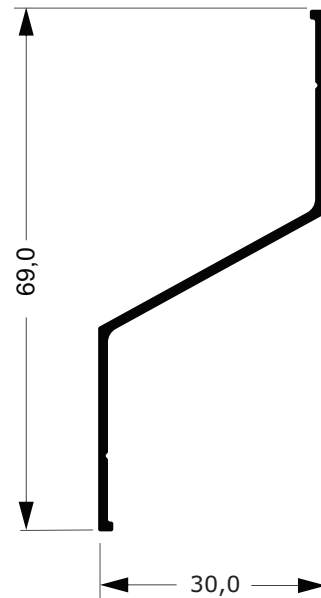
**BVA-015**  
0,265 kg/m



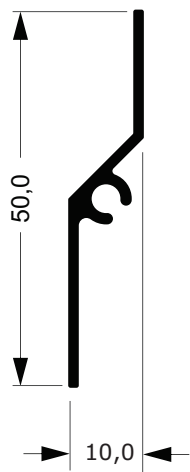
**BZ-194**  
0,368 Kg/m



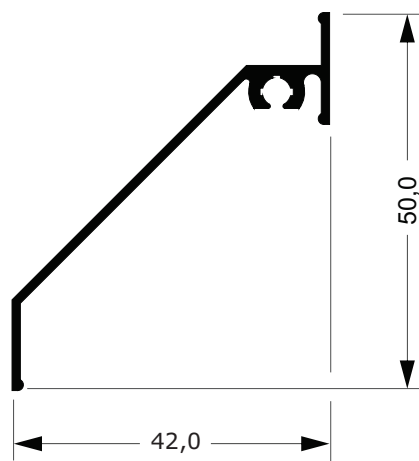
**BVZ-060**  
0,397 Kg/m



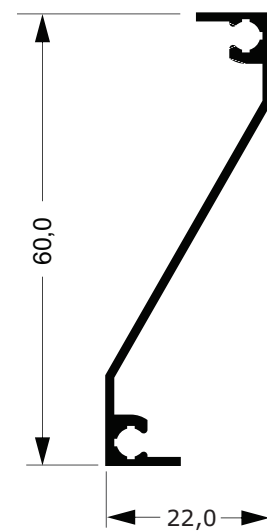
**B29-202**  
0,309 Kg/m



**B19-552**  
0,252 Kg/m



**BZ-248**  
0,295 Kg/m



**BZ-073**  
0,326 Kg/m

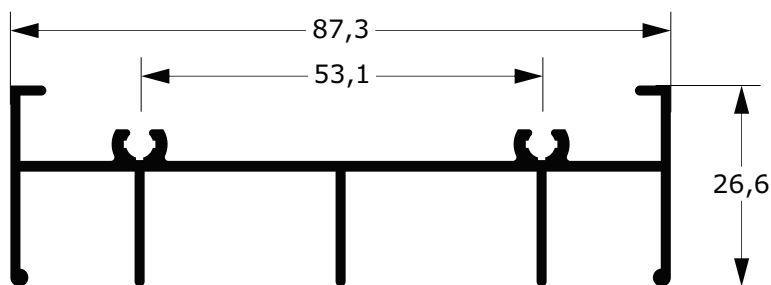
# SISTEMAS DE MERCADO

**PRÁTICA (AP)**

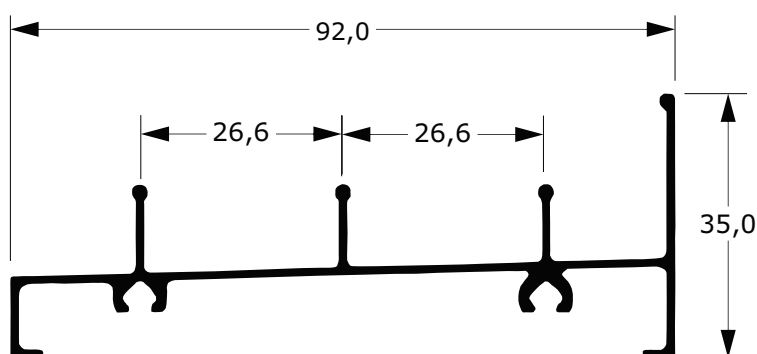
**LINHA 25**

**LINHA 30**

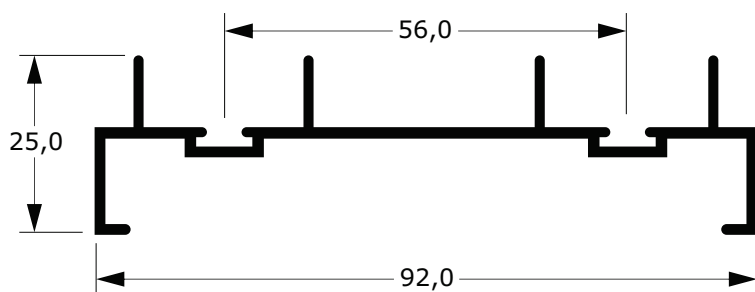
**LINHA 42**



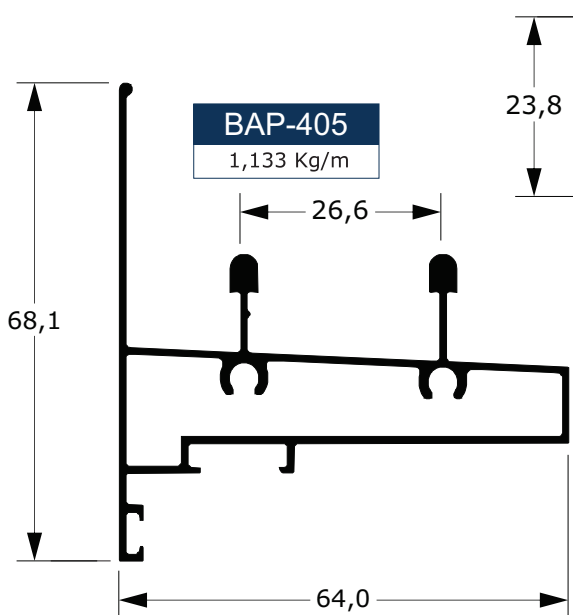
**BAP-366**  
0,897 Kg/m



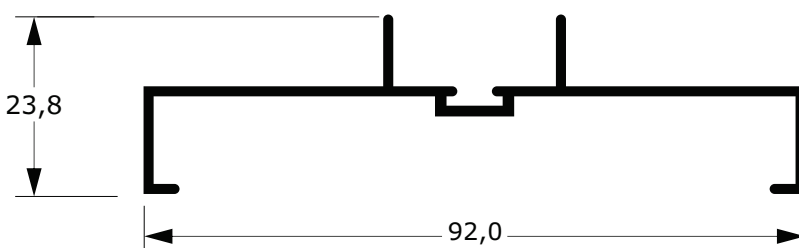
**BAP-367**  
0,823 Kg/m



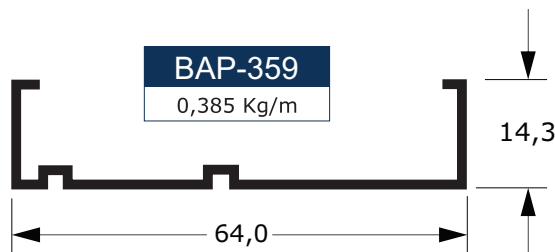
**BAP-368**  
0,746 Kg/m



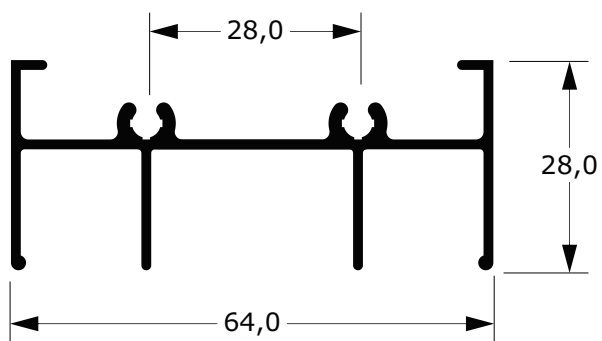
**BAP-405**  
1,133 Kg/m



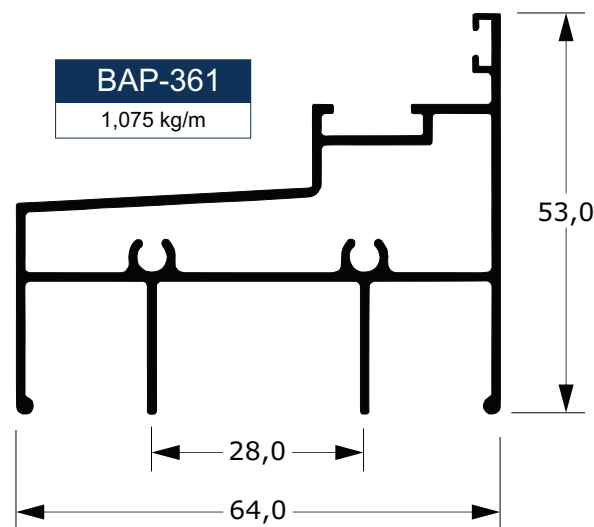
**BAP-369**  
0,590 Kg/m



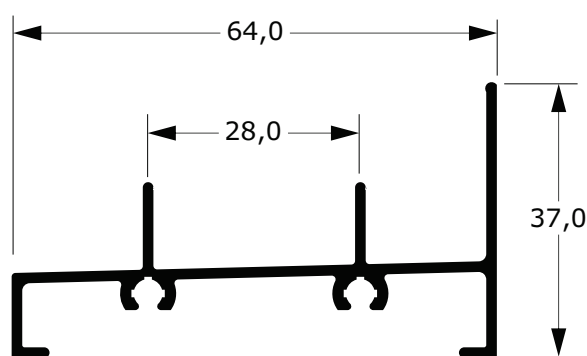
**BAP-359**  
0,385 Kg/m



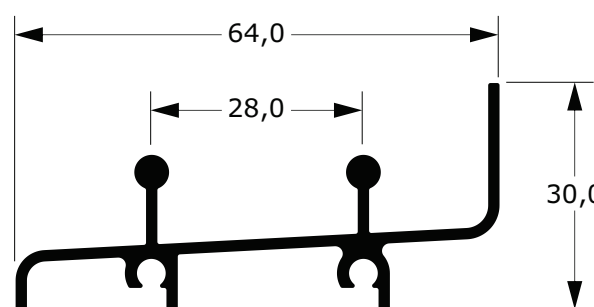
**BAP-357**  
0,652 Kg/m



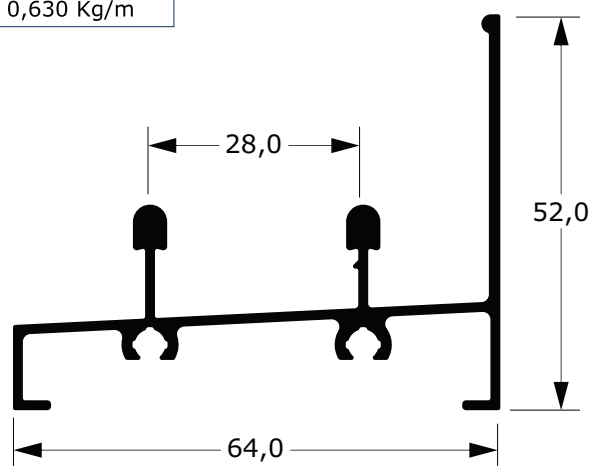
**BAP-361**  
1,075 kg/m



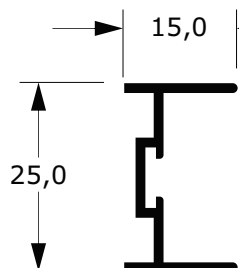
**BAP-358**  
0,630 Kg/m



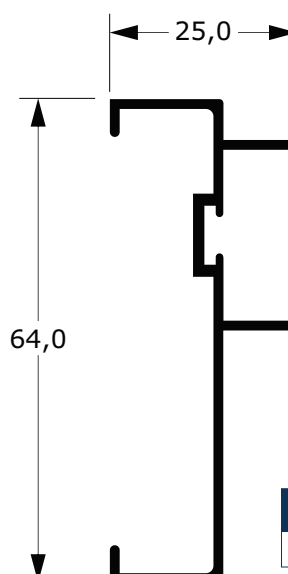
**BAP-370**  
0,633 Kg/m



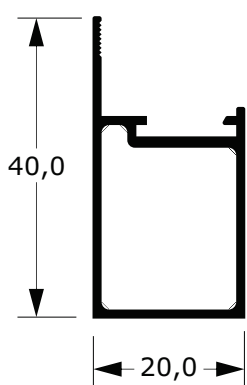
**BAP-404**  
0,795 Kg/m



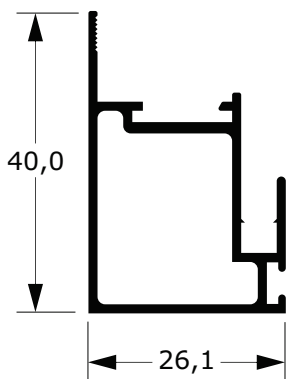
**BAP-352**  
0,208 Kg/m



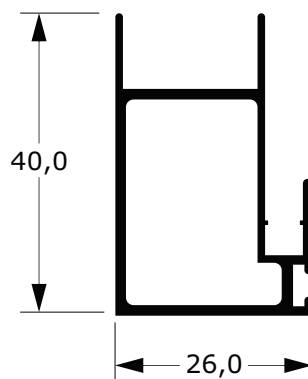
**BAP-360**  
0,453 Kg/m



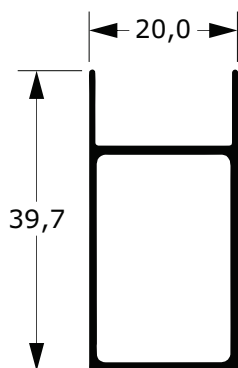
**BAP-300**  
0,367 Kg/m



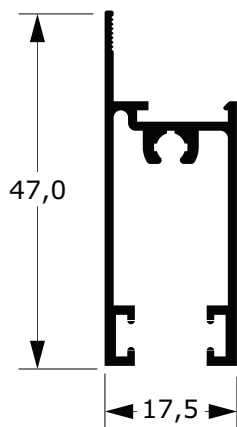
**BAP-302**  
0,451 Kg/m



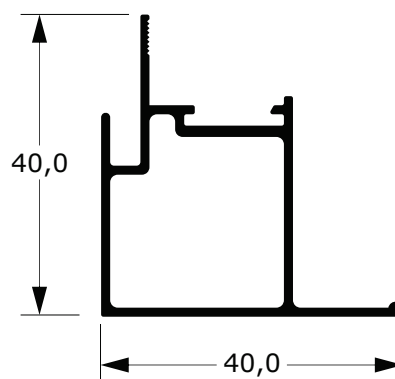
**BAP-303**  
0,474 Kg/m



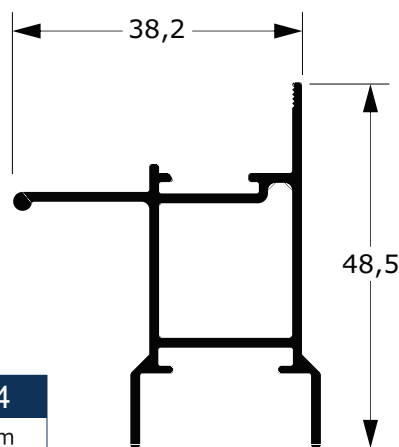
**BAP-305**  
0,371 Kg



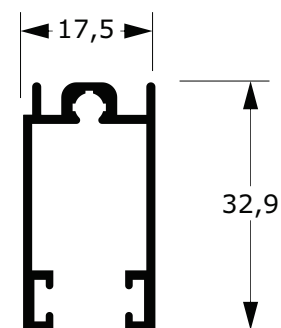
**BAP-309**  
0,438 Kg/m



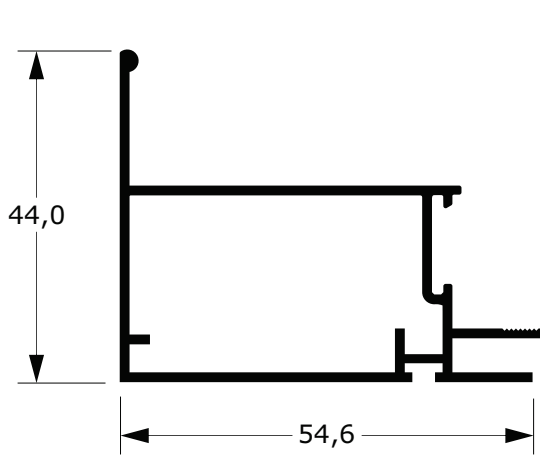
**BAP-321**  
0,479 Kg/m



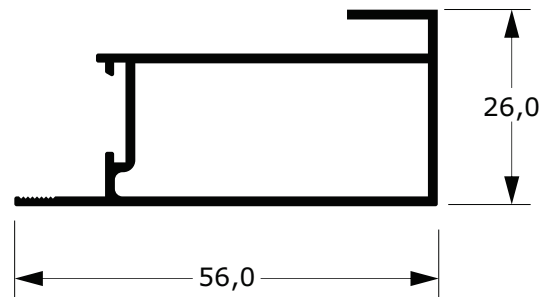
**BAP-374**  
0,539 Kg/m



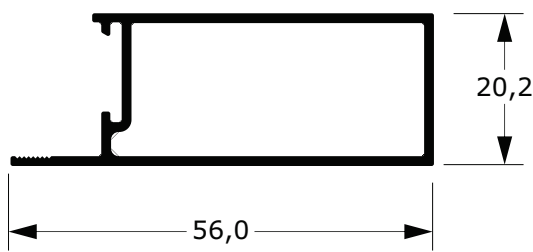
**BAP-378**  
0,367 Kg/m



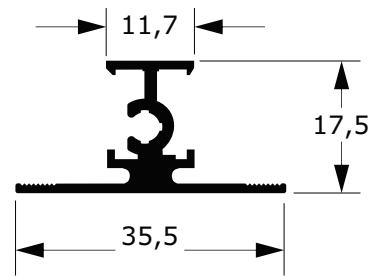
**BAP-069**  
0,681 Kg/m



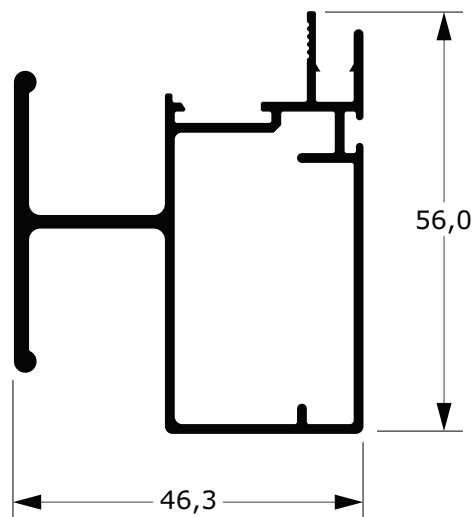
**BAP-070**  
0,551 Kg/m



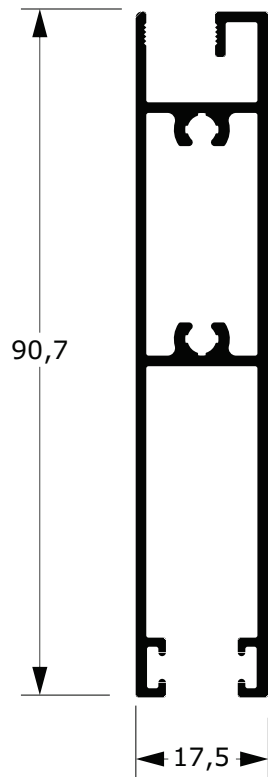
**BAP-336**  
0,497 Kg/m



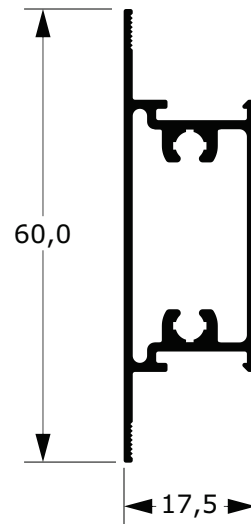
**BT-153**  
0,335 Kg/m



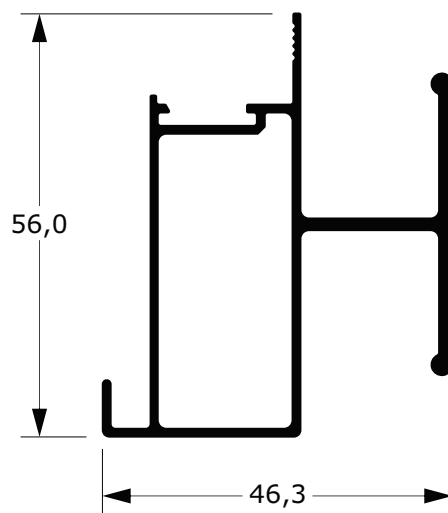
**BAP-379**  
0,929 Kg/m



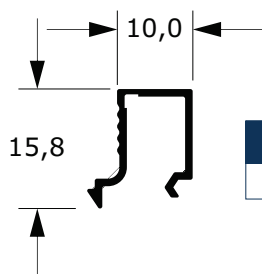
**BAP-354**  
0,983 Kg/m



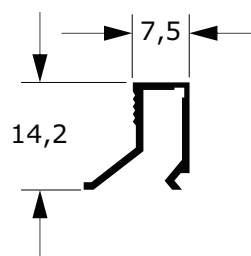
**BAP-332**  
0,536 Kg/m



**BAP-380**  
0,840 Kg/m

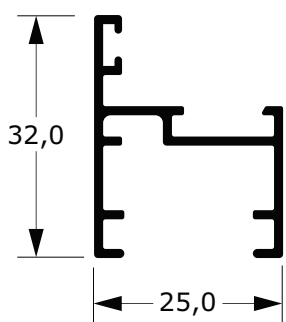


**BBG-035**  
0,119 Kg/m

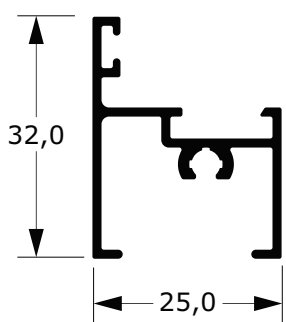


**BBG-202**  
0,107 Kg/m

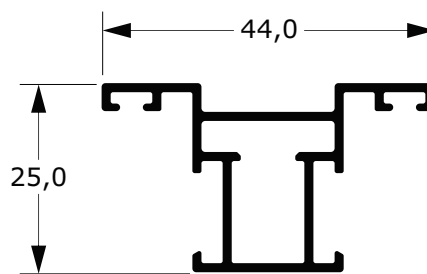




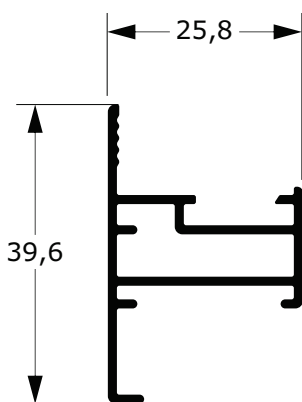
**B25-311**  
0,332 Kg/m



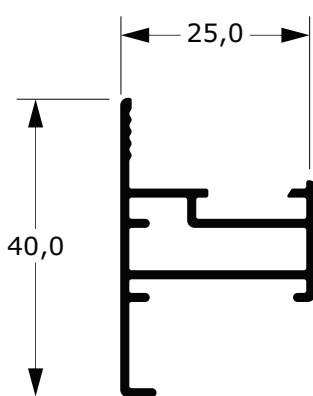
**BAP-312**  
0,351 Kg/m



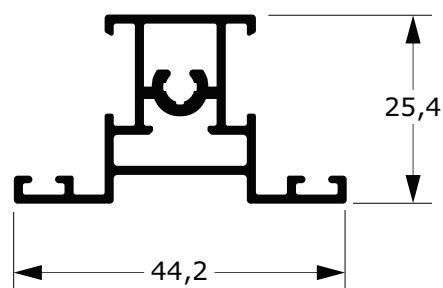
**B25-308**  
0,453 Kg/m



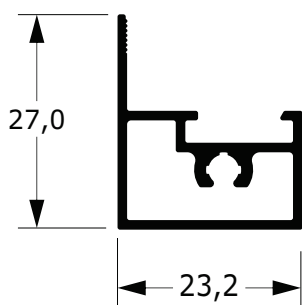
**BMM-375**  
0,394 Kg/m



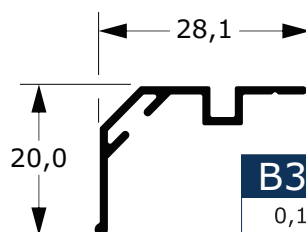
**B25-313**  
0,383 Kg/m



**BMM-376**  
0,590 Kg/m

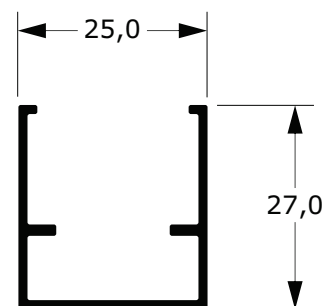
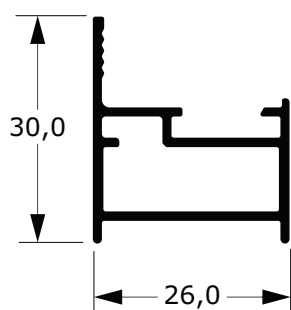


**B25-301**  
0,343 Kg/m



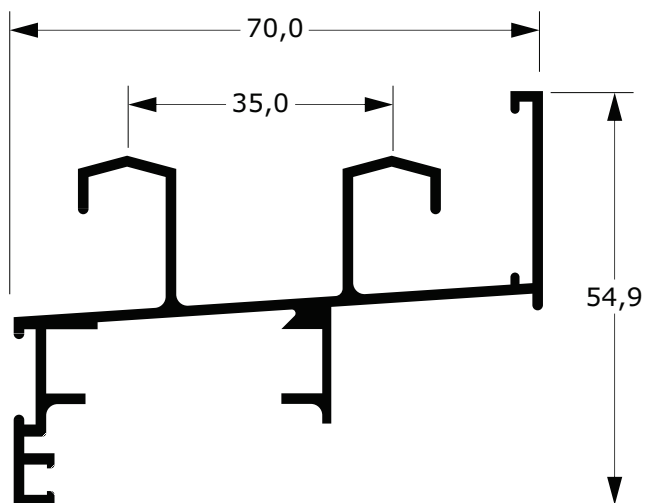
**B39-933**  
0,179 Kg/m

**B25-314**  
0,364 Kg/m

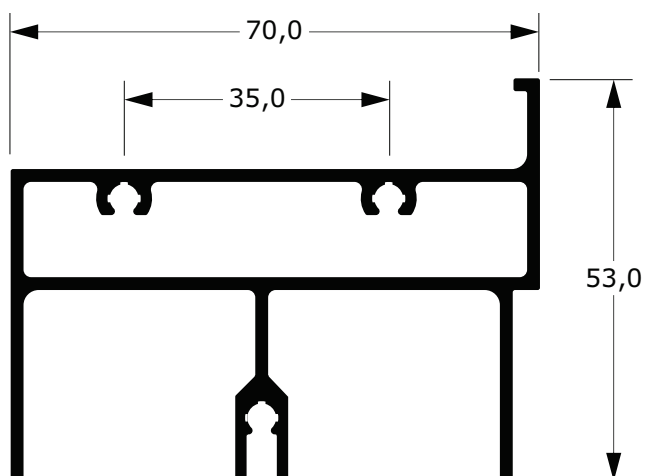


**BU-1233**  
0,288 Kg/m

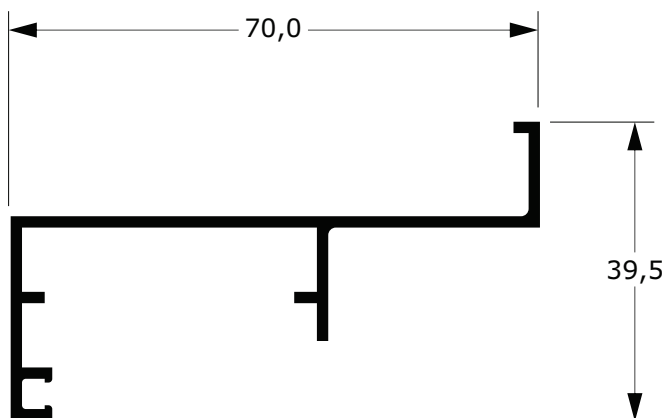
**BZ-172**  
0,940 Kg/m



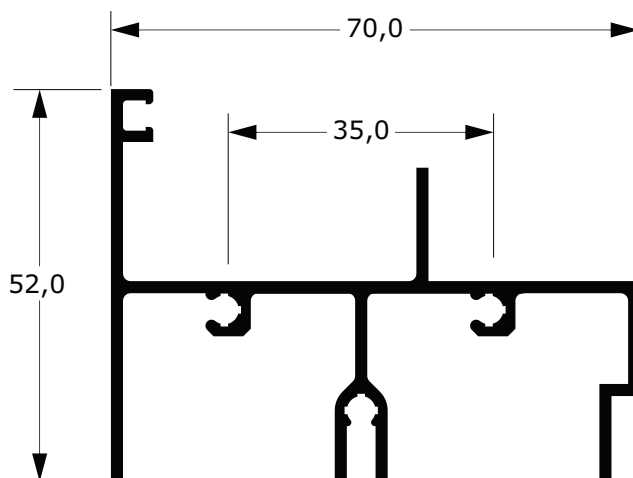
**BP-157**  
1,349 Kg/m



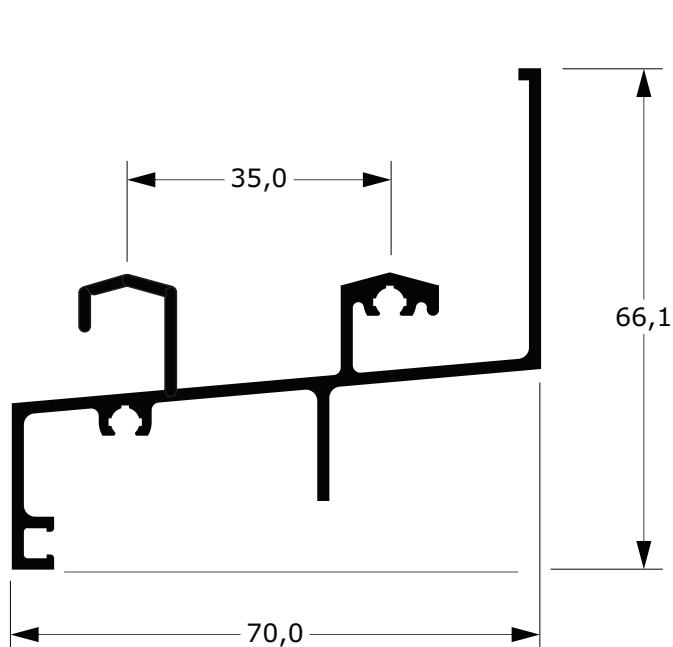
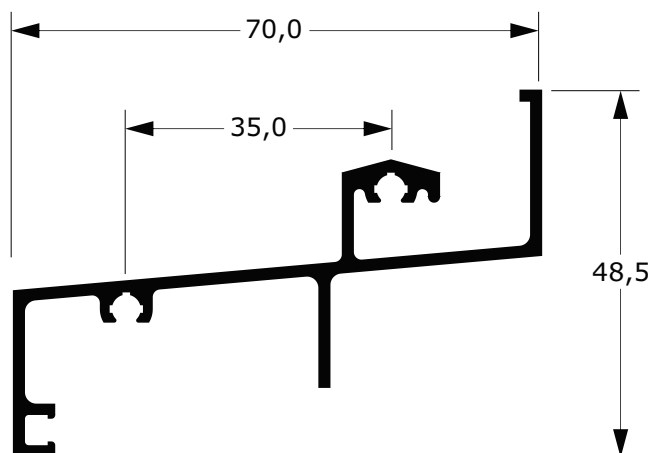
**BZ-114**  
0,568 Kg/m



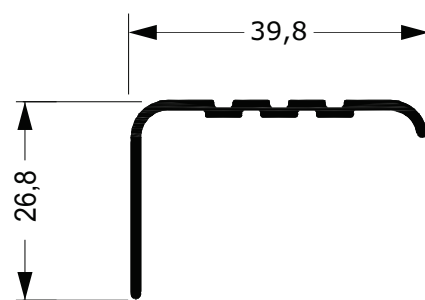
**BE-186**  
1,027 Kg/m



**BZ-170**  
0,756 Kg/m

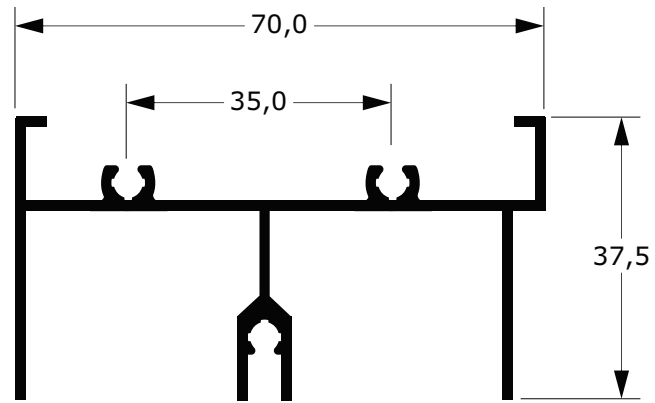


**BZ-171**  
1,001 Kg/m

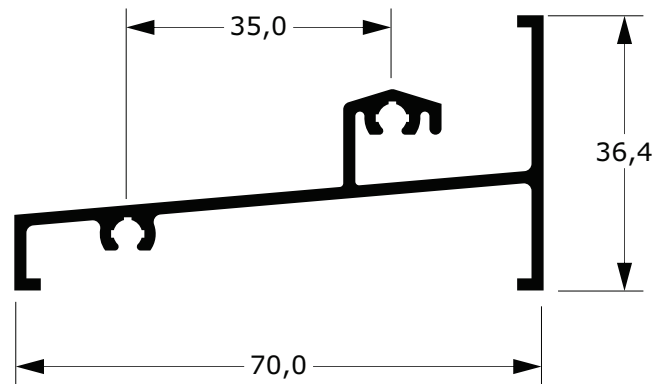


**BRA-013**  
0,268 Kg/m

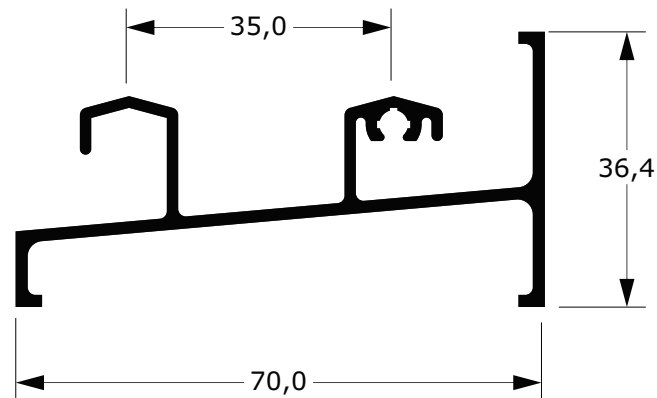
**BE-482**  
0,877 Kg/m

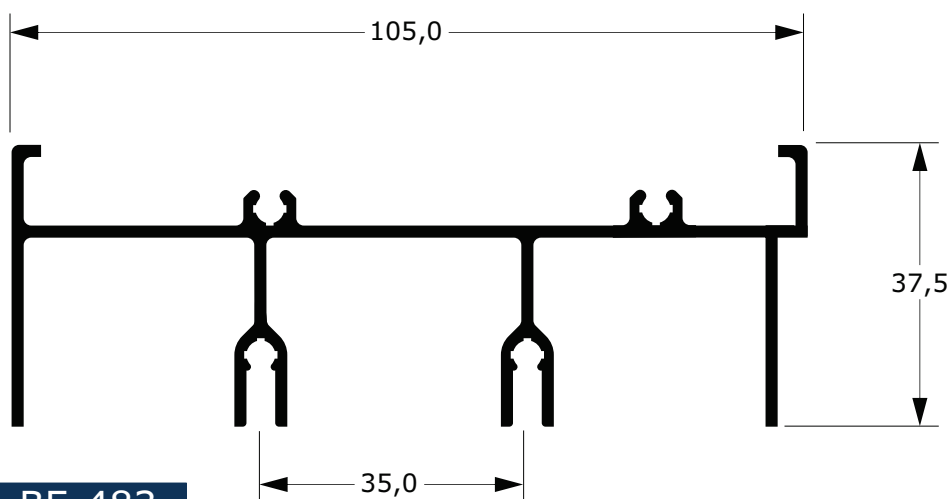


**BZ-174**  
0,716 Kg/m

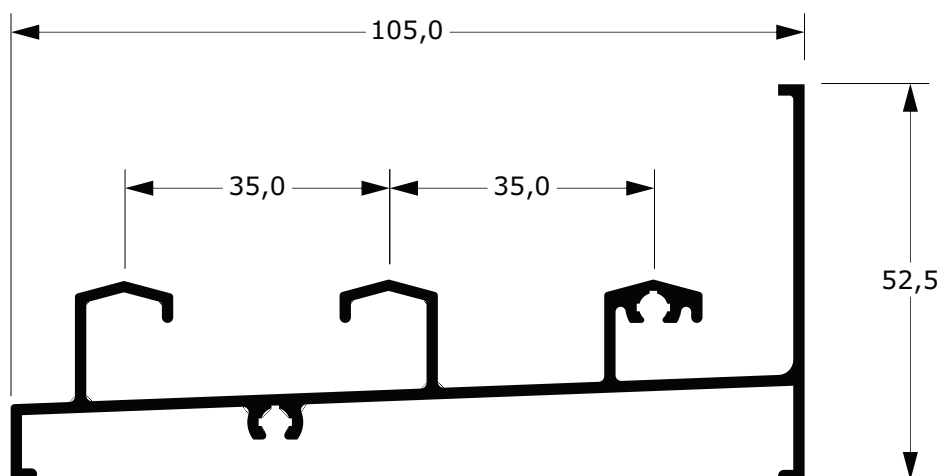


**BZ-176**  
0,848 Kg/m

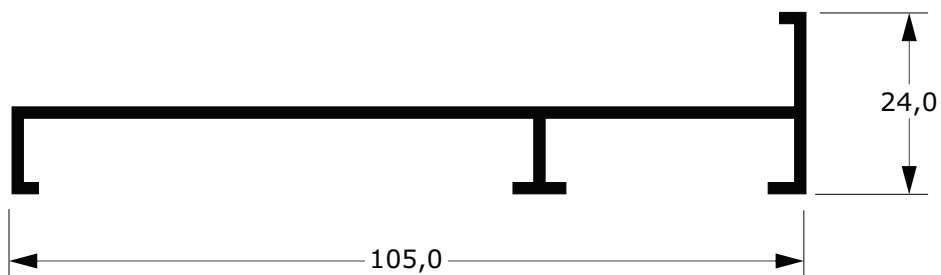




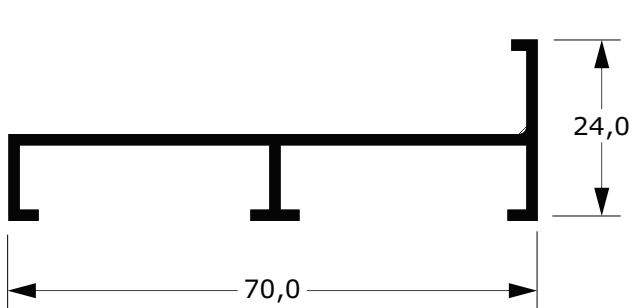
**BE-483**  
1,183 Kg/m



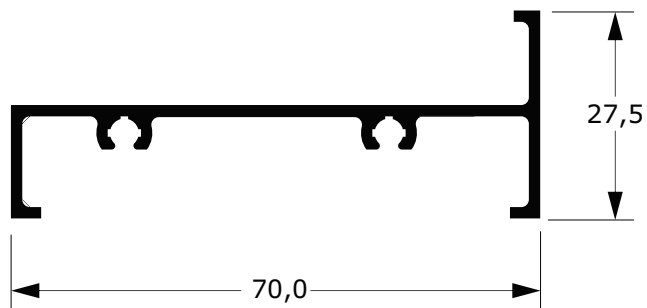
**BZ-258**  
1,115 Kg/m



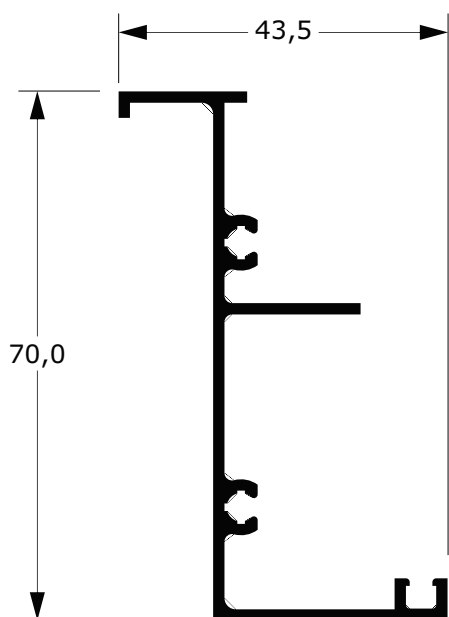
**BE-484**  
0,650 Kg/m



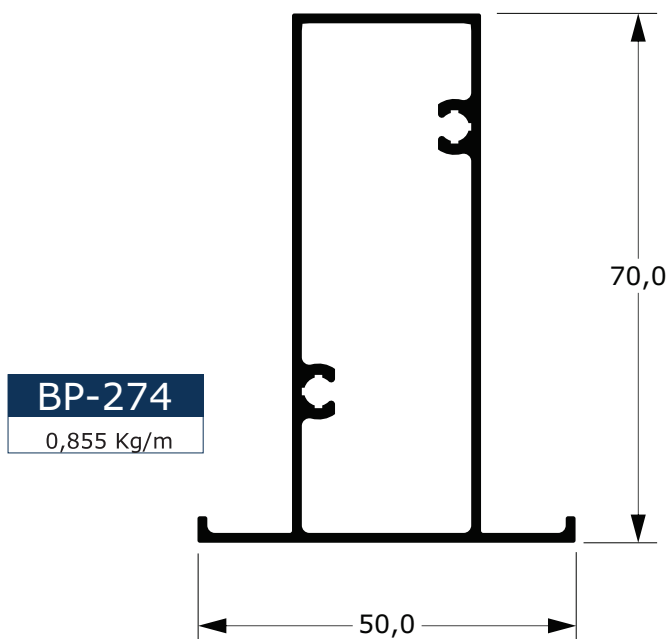
**BE-277**  
0,504 Kg/m



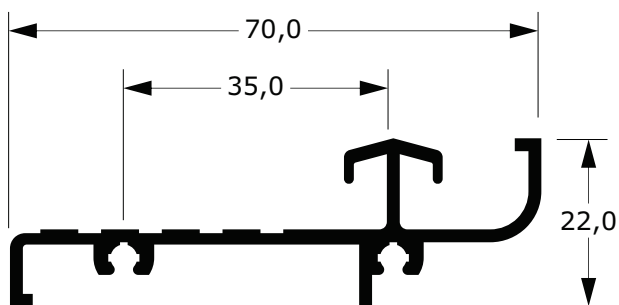
**BZ-175**  
0,572 Kg/m



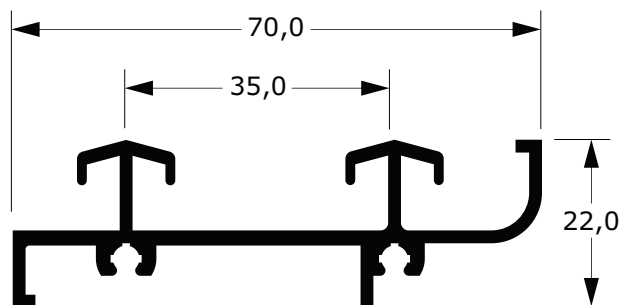
**BZ-115**  
0,690 Kg/m



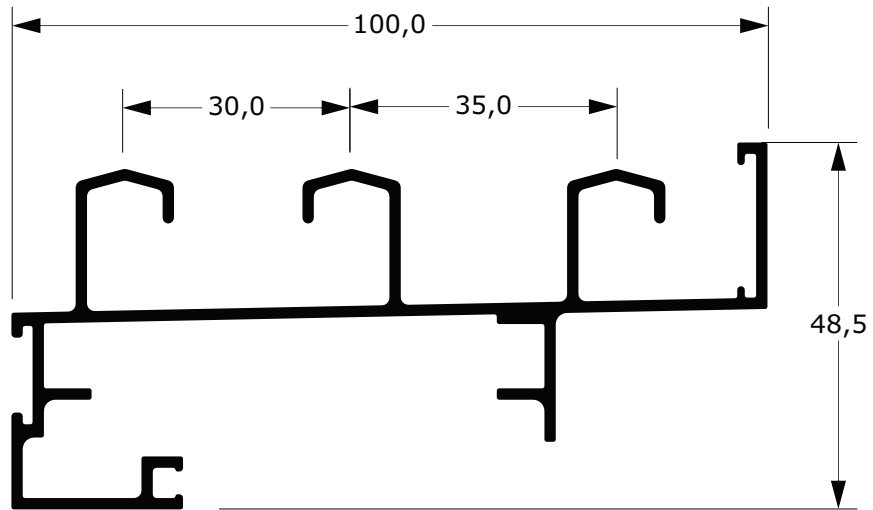
**BP-274**  
0,855 Kg/m



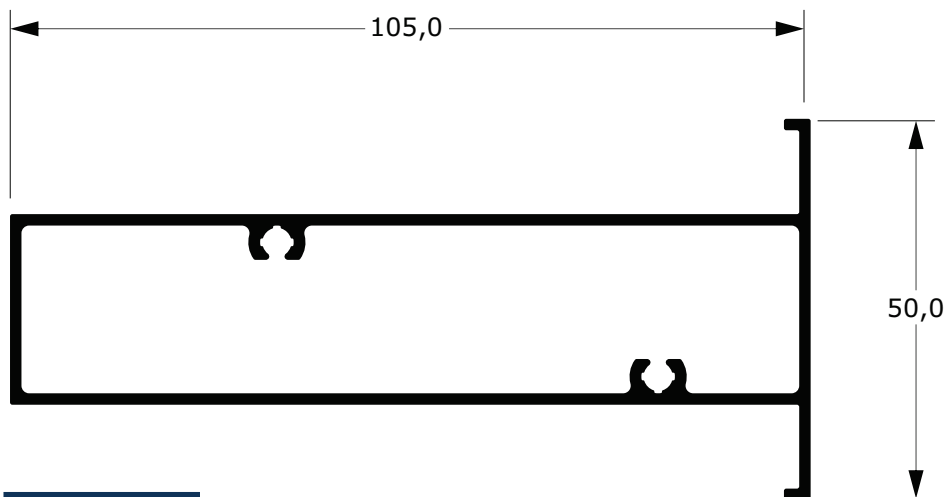
**BZ-259**  
0,690 Kg/m



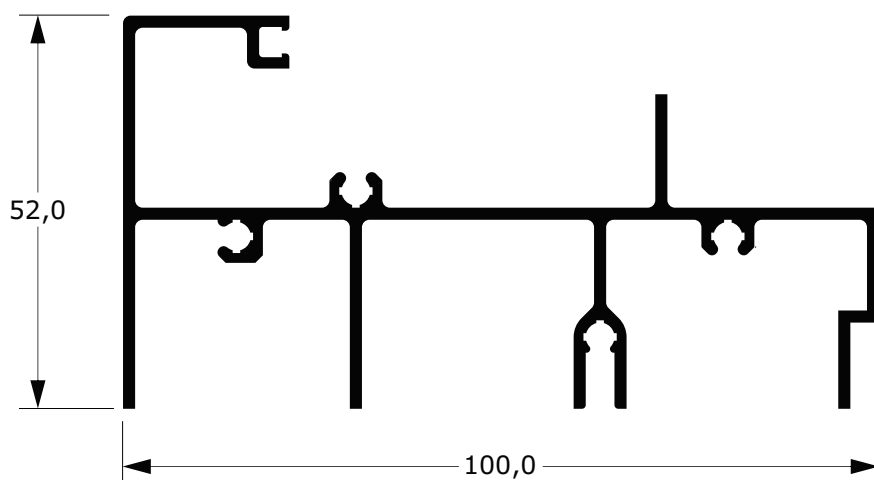
**BZ-267**  
0,753 Kg/m



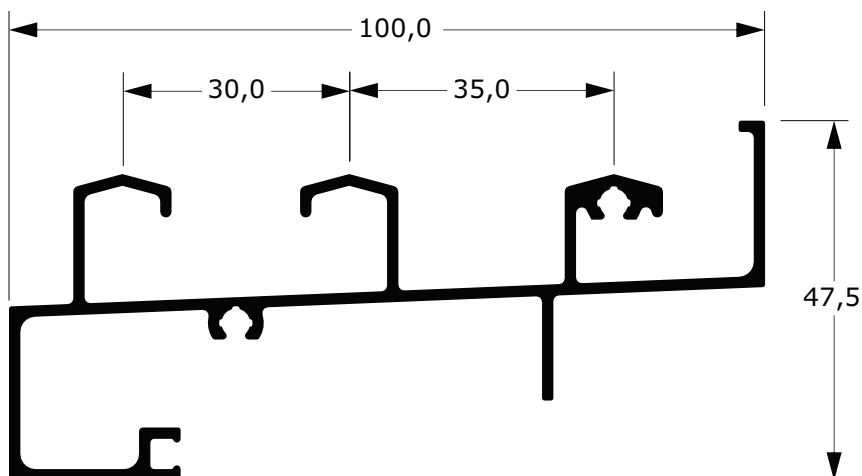
**BZ-173**  
1,311 Kg/m



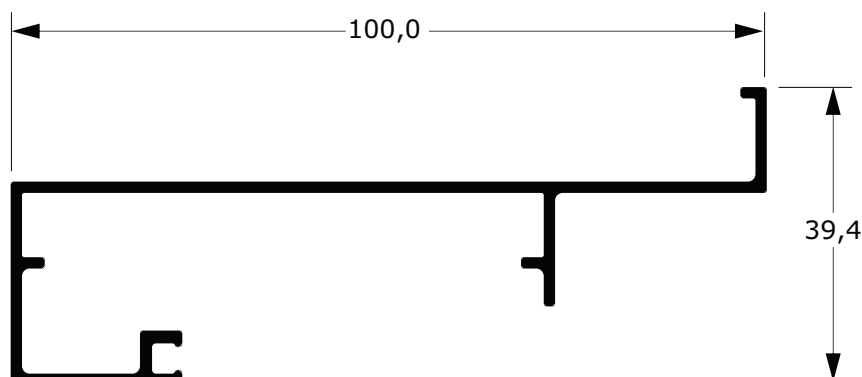
**B78-745**  
1,256 Kg/m



**BE-293**  
1,449 Kg/m



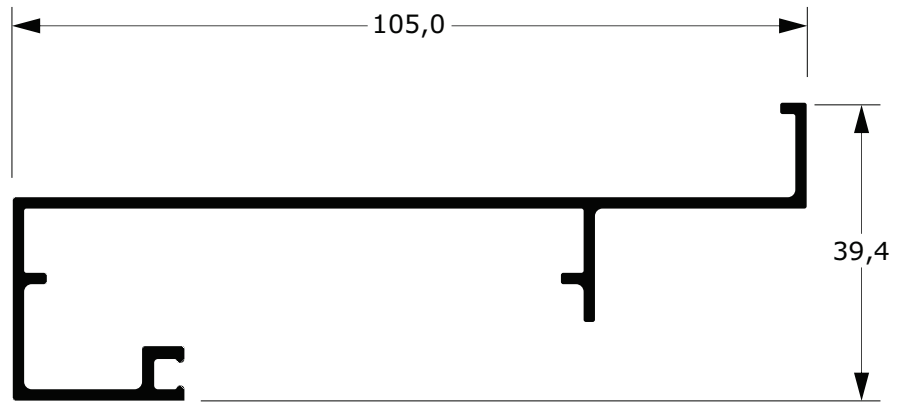
**BE-276**  
1,225 Kg/m



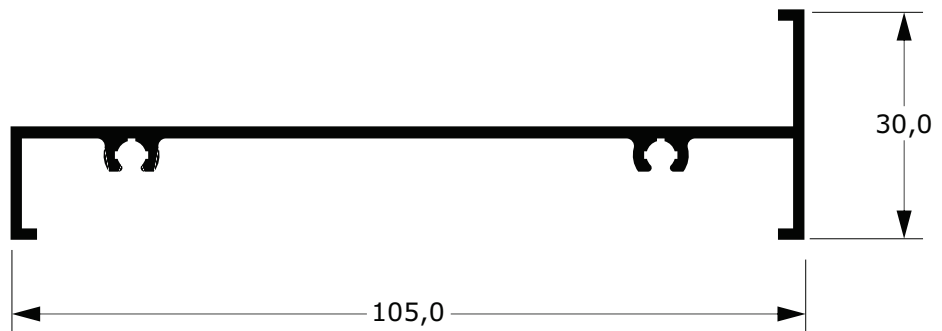
**BZ-192**  
0,789 Kg/m



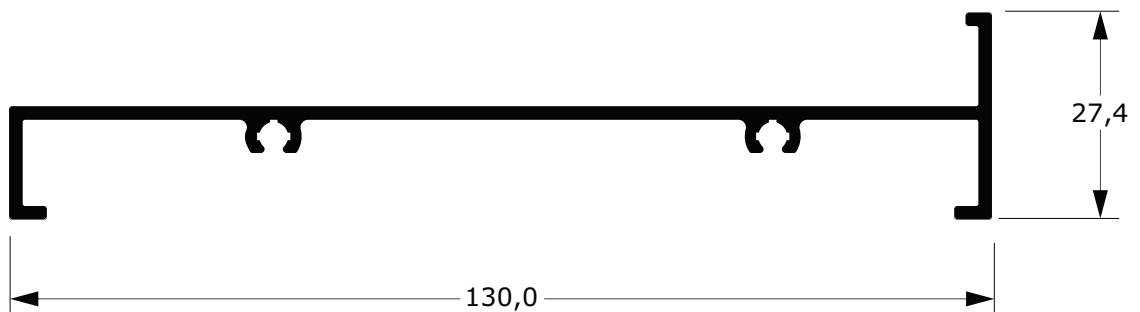
**BZ-254**  
0,822 Kg/m

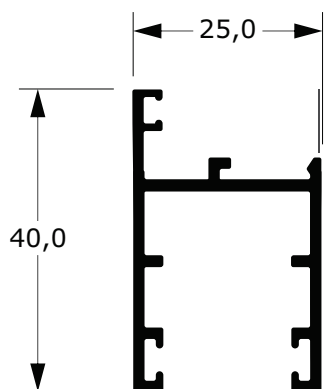


**BY-260**  
0,746 Kg/m



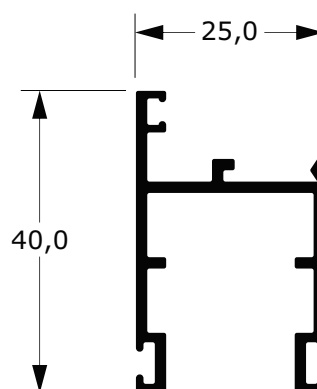
**BY-350**  
0,965 Kg/m





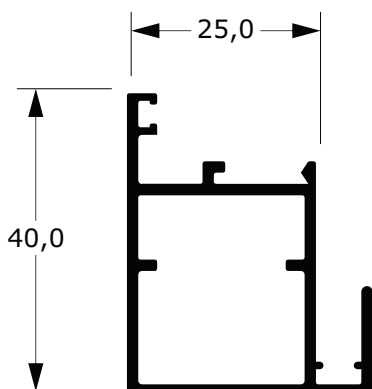
**BY-195A**

0,389 Kg/m



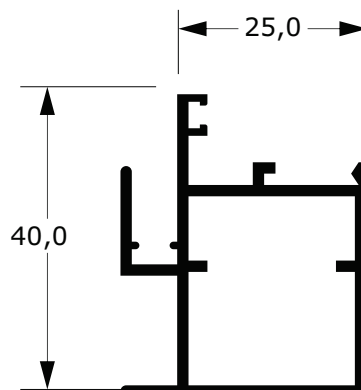
**BY-196**

0,479 Kg/m



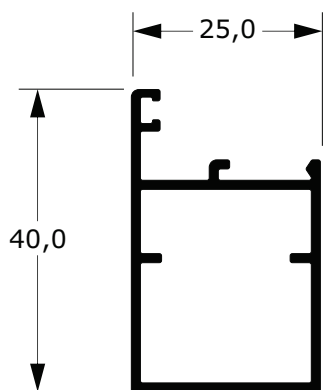
**BP-151 A**

0,497 Kg/m



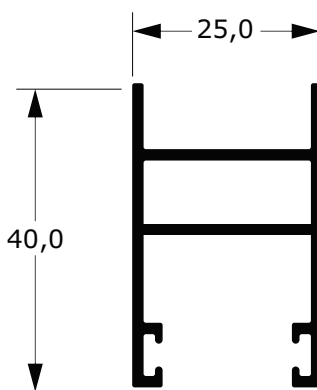
**BP-152 A**

0,522 Kg/m



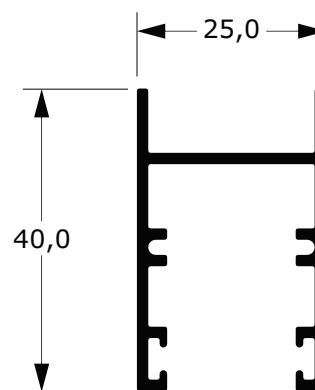
**BP-140A**

0,426 Kg/m



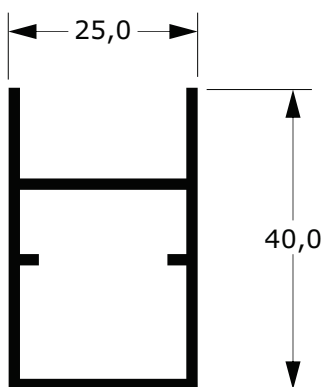
**BA-097**

0,558 Kg/m

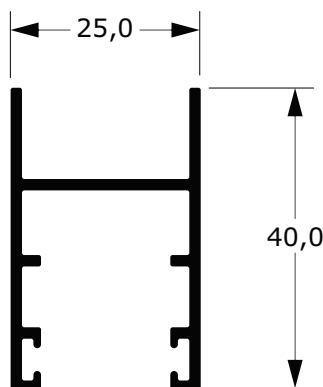


**BI-122**

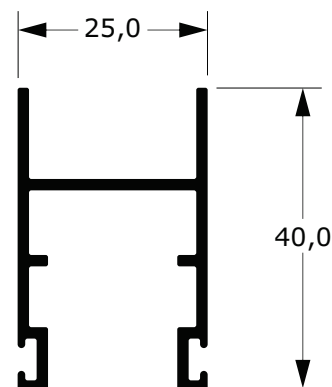
0,508 Kg/m



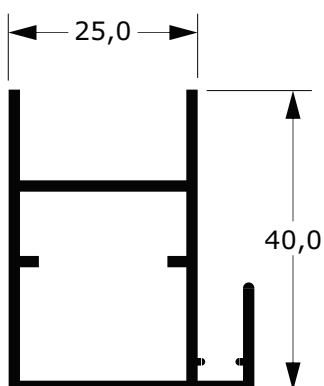
**BA-201**  
0,524 Kg/m



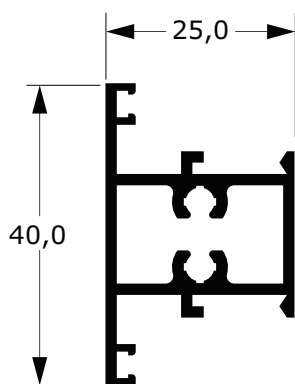
**BI-307**  
0,488 Kg/m



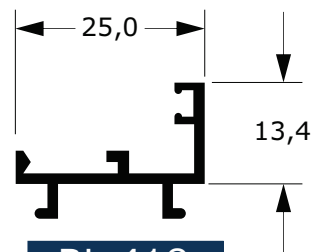
**BI-308**  
0,488 Kg/m



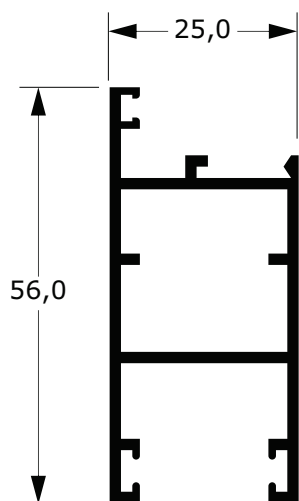
**BA-202**  
0,609 Kg/m



**BP-153**  
0,598 Kg/m

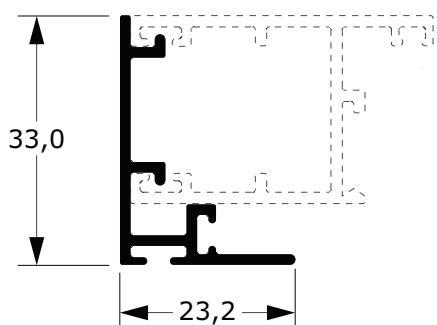
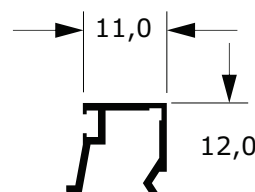


**BL-418**  
0,230 Kg/m

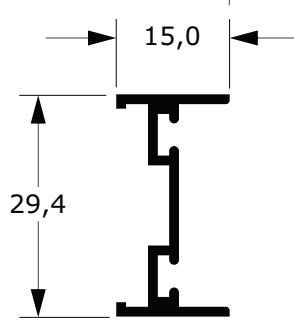


**BA-048**  
0,706 Kg/m

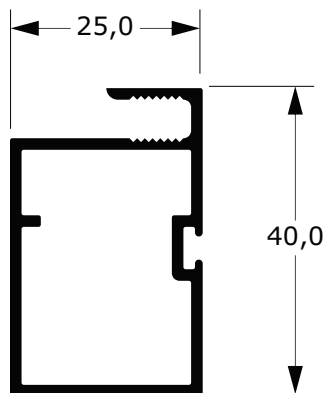
**BU-522**  
0,102 Kg/m



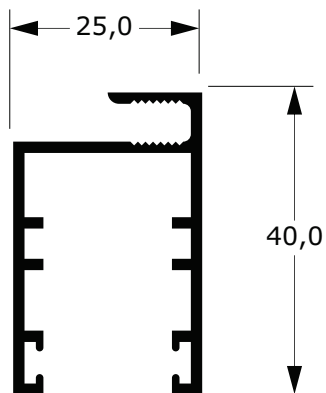
**BL-498**  
0,306 Kg/m



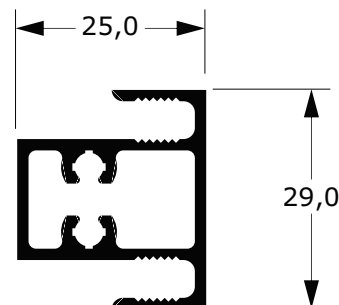
**BI-105**  
0,259 Kg/m



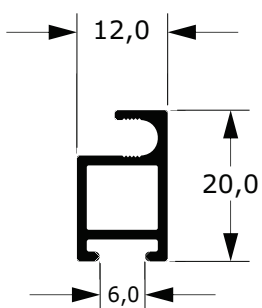
**BP-227**  
0,549 Kg/m



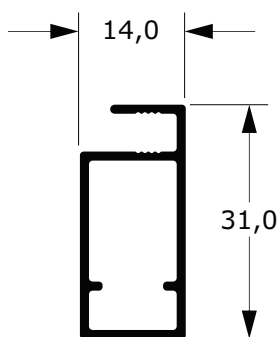
**BY-312**  
0,519 Kg/m



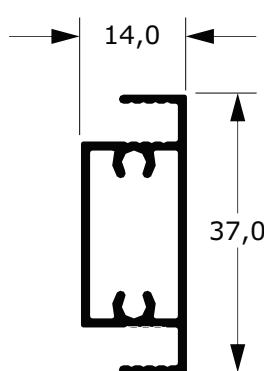
**BP-256**  
0,490 Kg/m



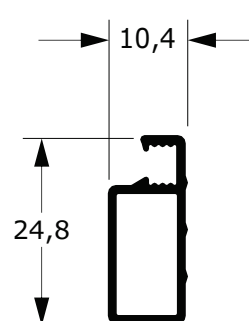
**BA-058**  
0,222 Kg/m



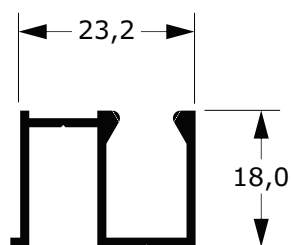
**B78-1154 C**  
0,295 kg/m



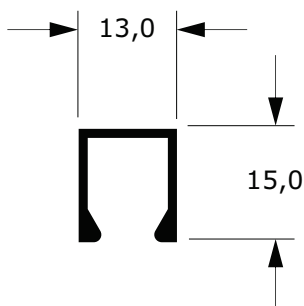
**B78-1153 C**  
0,377 kg/m



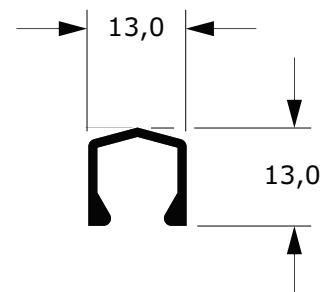
**B78-2228 C**  
0,187 Kg/m



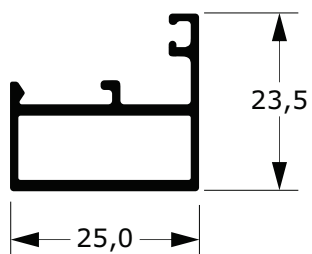
**BZ-074**  
0,269 Kg/m



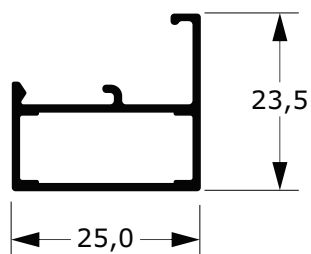
**BU-425**  
0,157 Kg/m



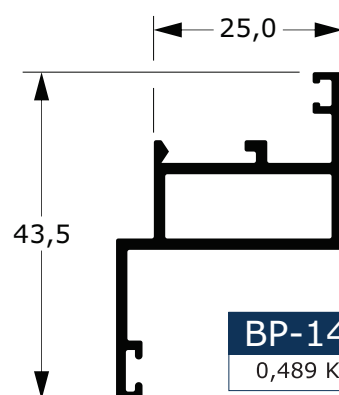
**BU-681**  
0,135 Kg/m



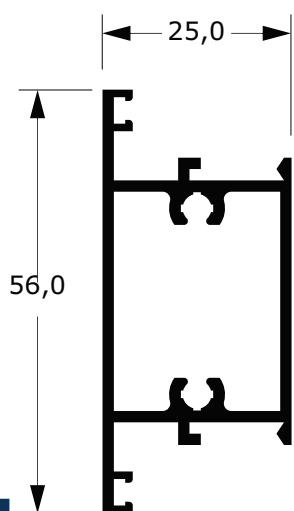
**BP-147 A**  
0,300 Kg/m



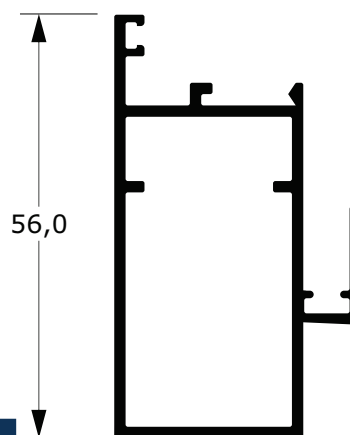
**BP-525 A**  
0,283 Kg/m



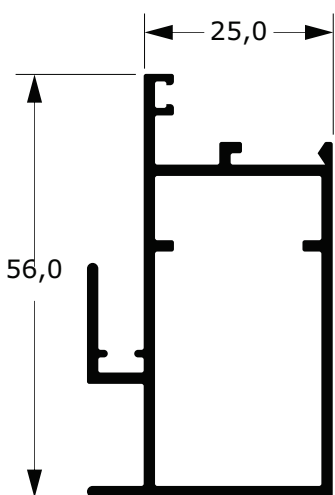
**BP-145 A**  
0,489 Kg/m



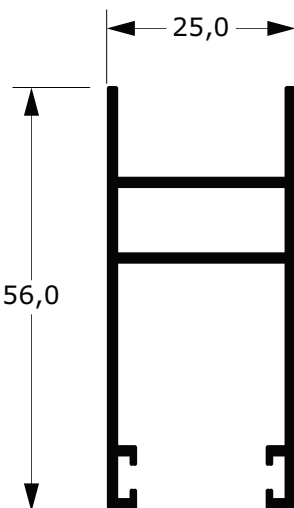
**BP-319 A**  
0,657 Kg/m



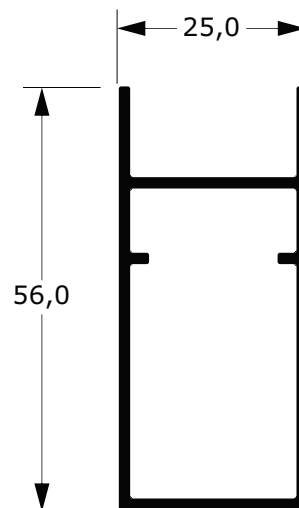
**BP-370 A**  
0,666 Kg/m



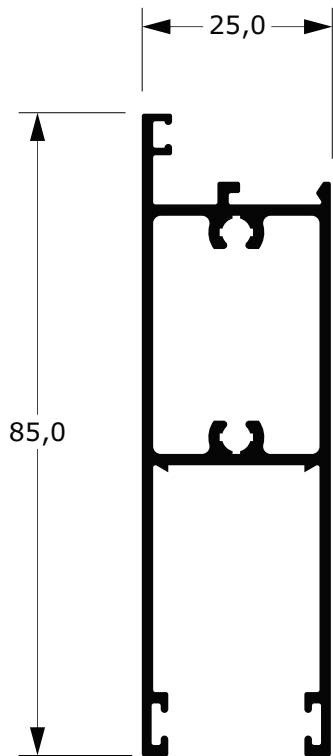
**BP-371 A**  
0,679 Kg/m



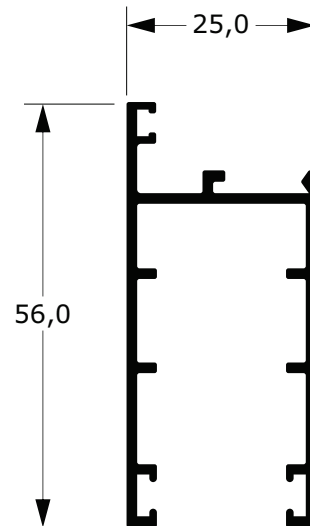
**BA-195**  
0,686 Kg/m



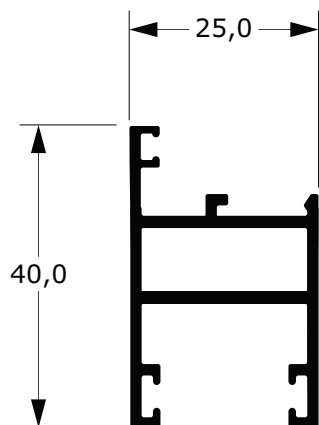
**BA-194**  
0,652 Kg/m



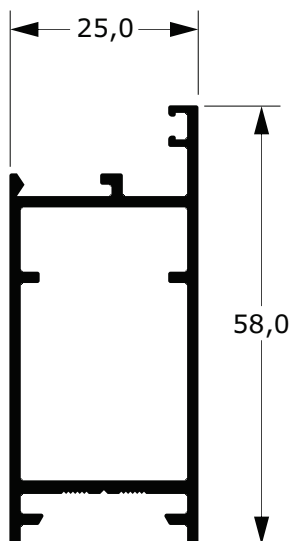
**BA-139**  
1,011 Kg/m



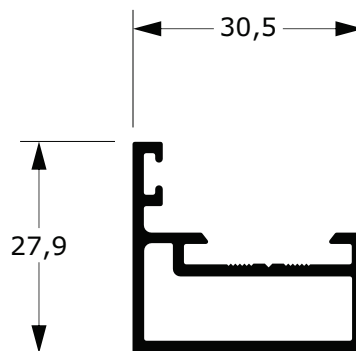
**B25-503**  
0,599 Kg/m



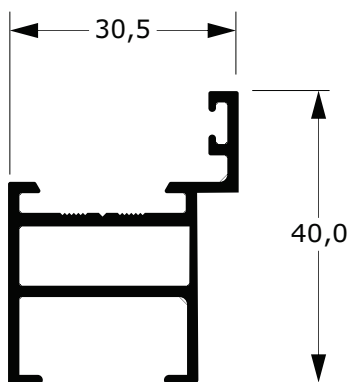
**BA-047**  
0,555 Kg/m



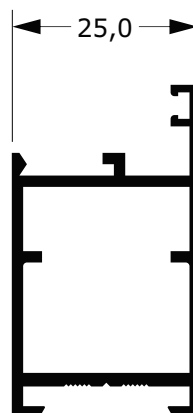
**BP-414A**  
0,578 Kg/m



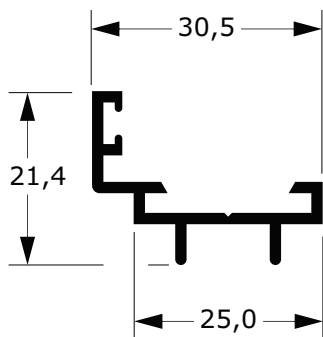
**BP-411**  
0,481 Kg/m



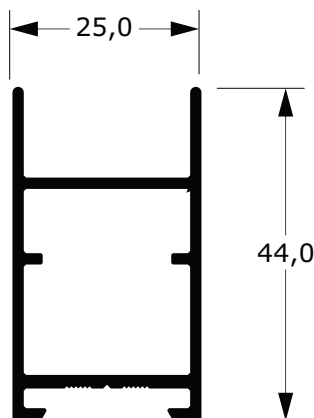
**BP-412A**  
0,453 Kg/m



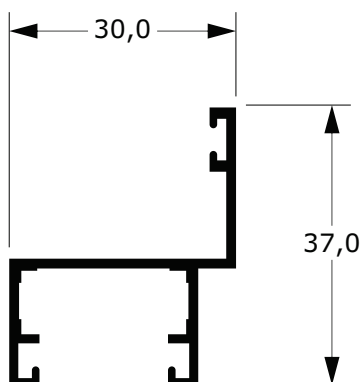
**BP-416**  
0,587 Kg/m



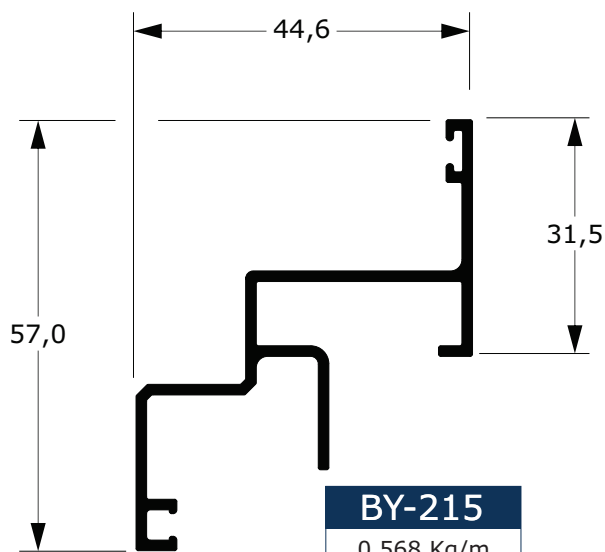
**BL-715**  
0,281 Kg/m



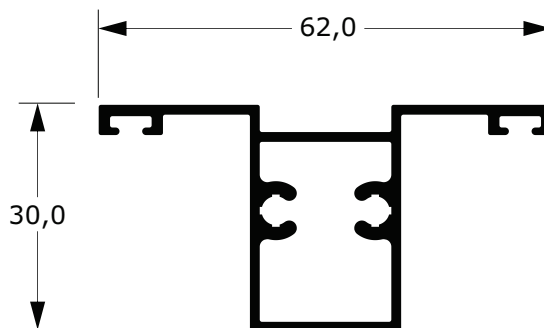
**BA-207**  
0,592 kg/m



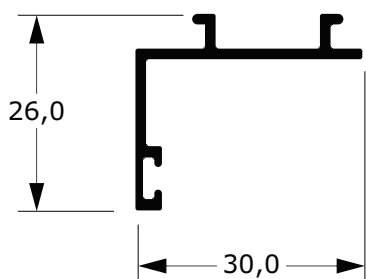
**BY-630**  
0,360 Kg/m



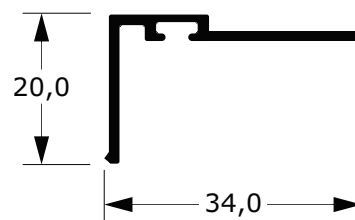
**BY-215**  
0,568 Kg/m



**BP-574**  
0,622 Kg/m

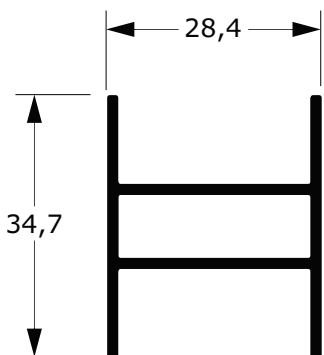


**BL-383**  
0,253 Kg/m

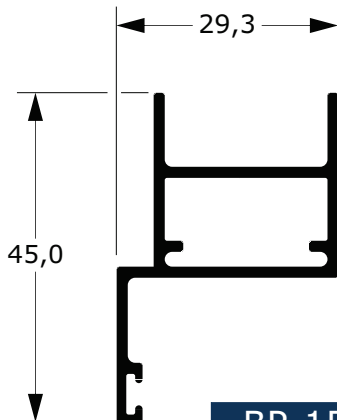


**BL-387**  
0,219 Kg/m

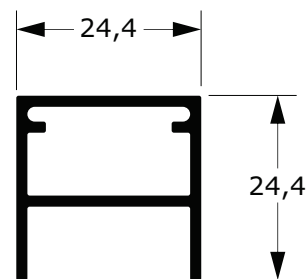




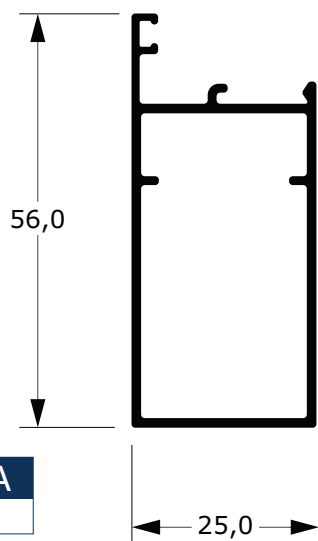
**BA-034**  
0,499 Kg/m



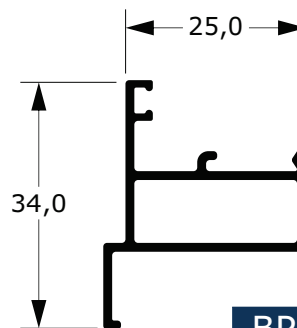
**BP-155**  
0,528 Kg/m



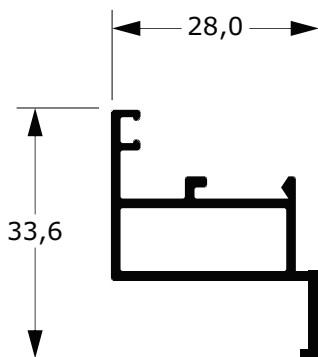
**BA-056**  
0,404 Kg/m



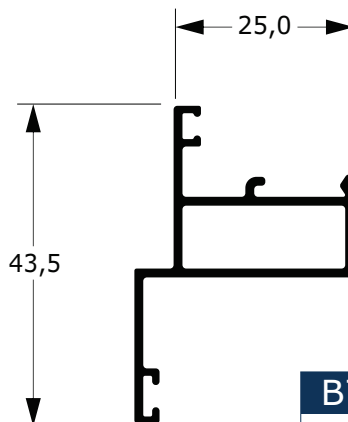
**BP-318A**  
0,558 Kg/m



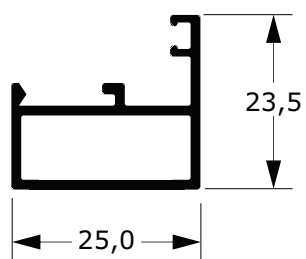
**BP-167A**  
0,347 Kg/m



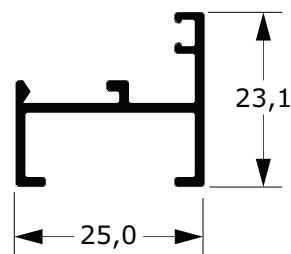
**BP-166**  
0,427 Kg/m



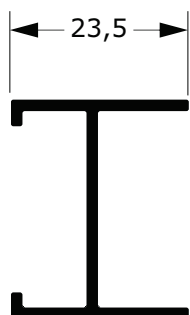
**B78-635**  
0,426 Kg/m



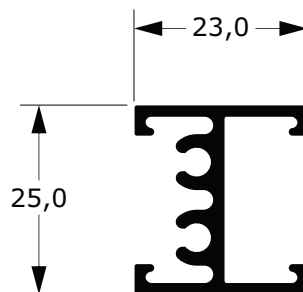
**B78-634**  
0,316 Kg/m



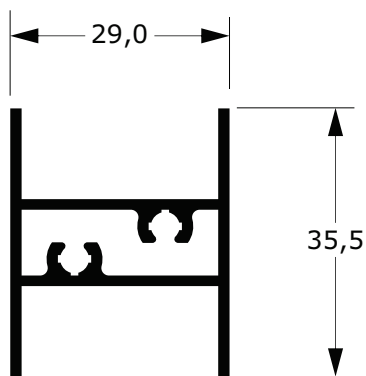
**BY-197**  
0,268 Kg/m



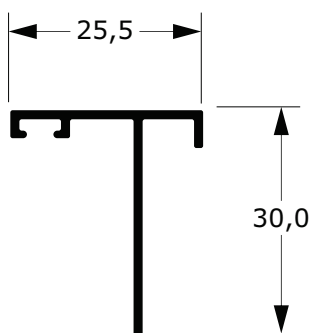
**BI-090**  
0,312 Kg/m



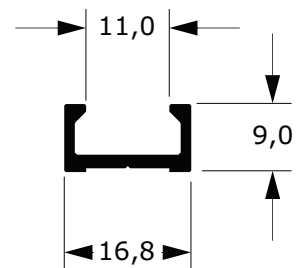
**BI-117**  
0,446 Kg/m



**BA-084**  
0,583 Kg/m

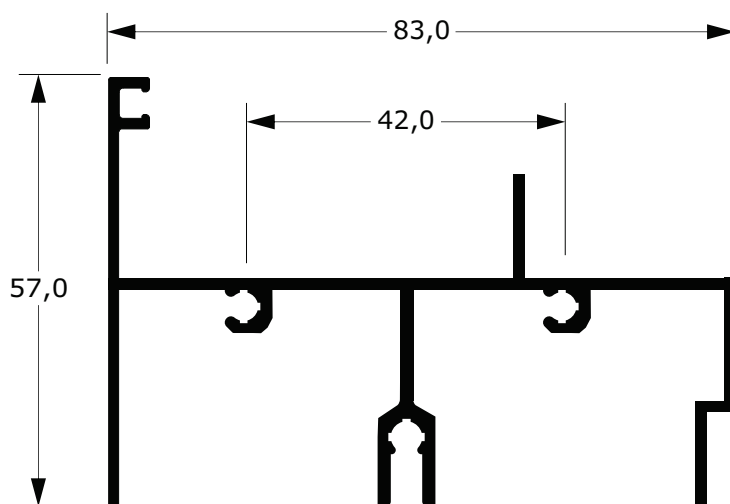


**BT-214**  
0,210 Kg/m

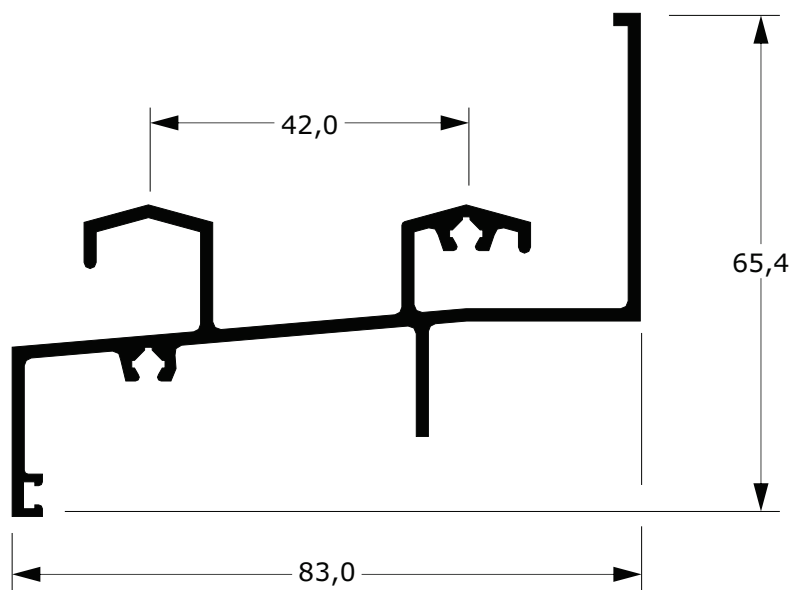


**BU-683**  
0,154 Kg/m

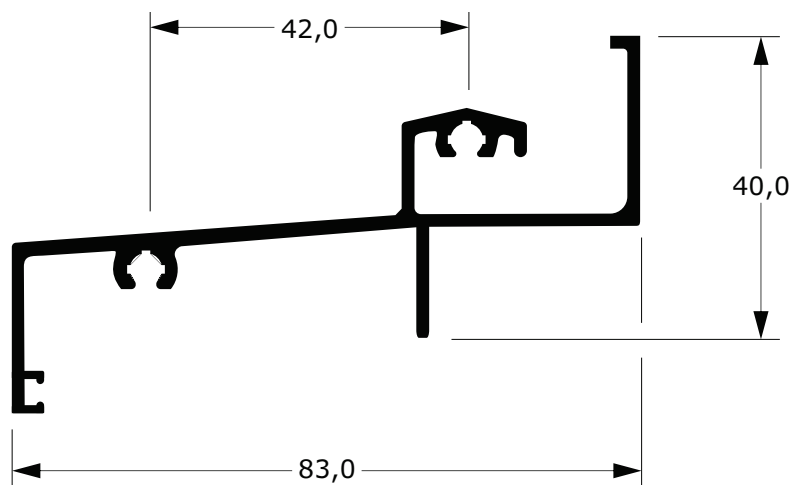
**BE-294**  
1,156 Kg/m



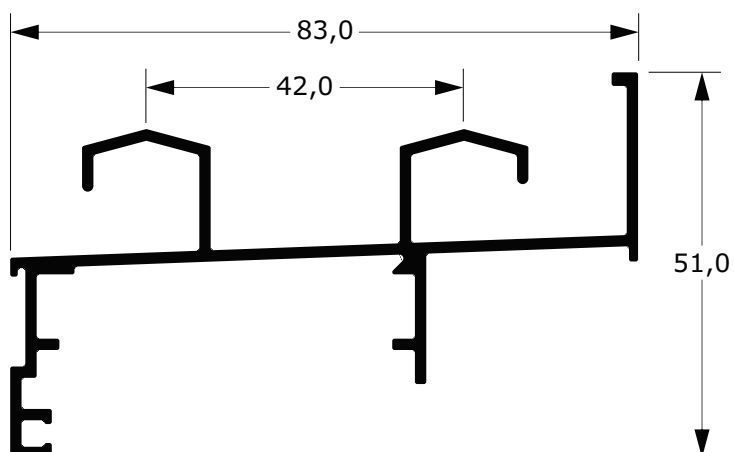
**BZ-178**  
1,070 Kg/m



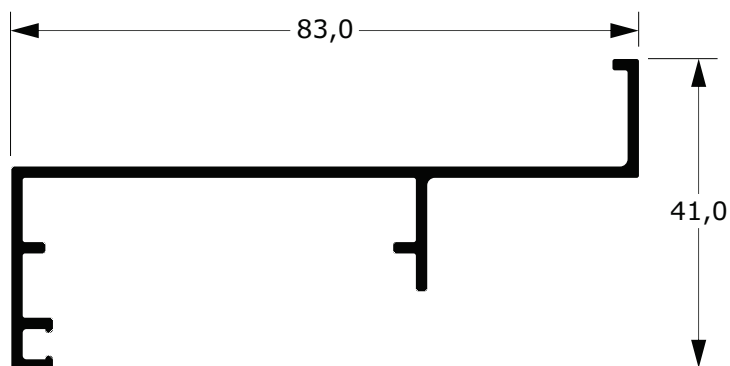
**BZ-167**  
0,836 kg/m



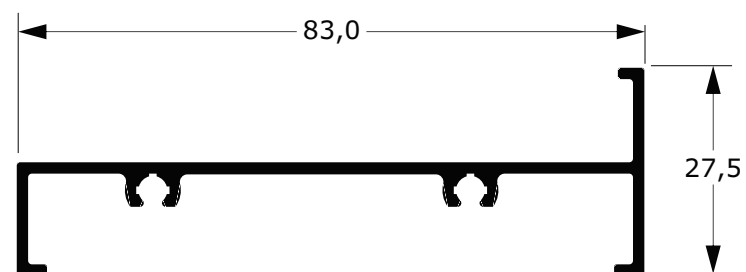
**BZ-231**  
0,984 Kg/m



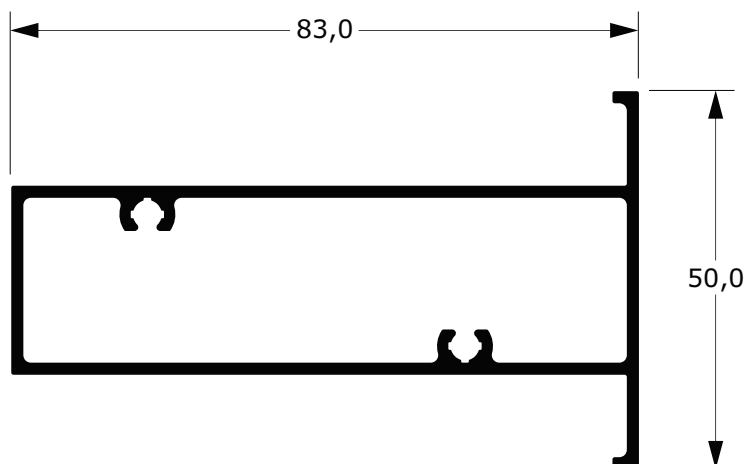
**BZ-118**  
0,666 Kg/m



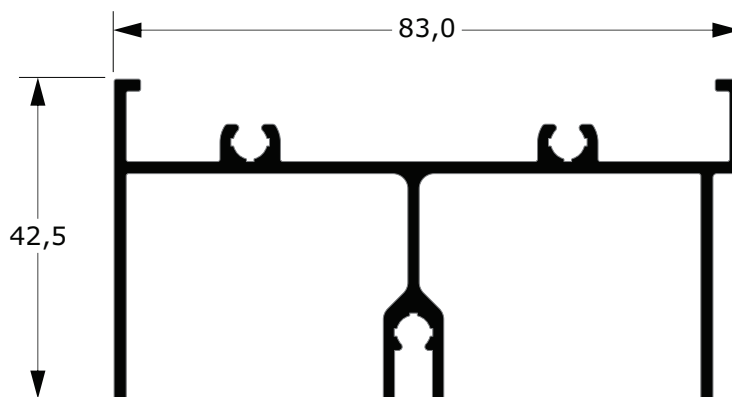
**BZ-182**  
0,634 Kg/m



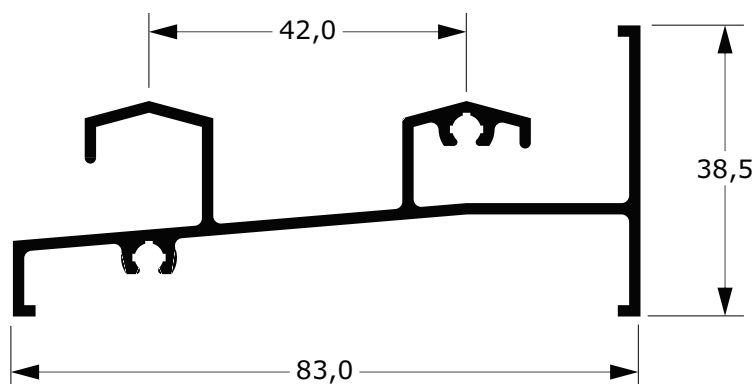
**BP-258**  
1,134 Kg/m



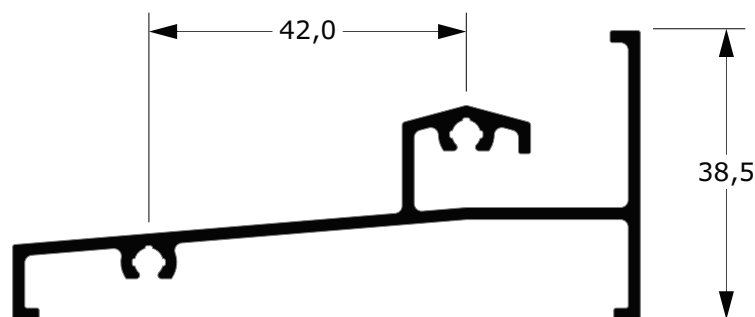
**BE-491**  
1,061 Kg/m



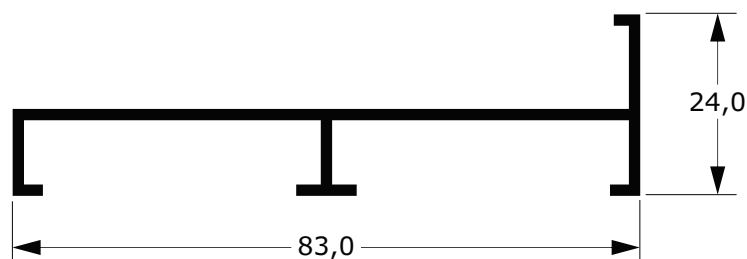
**BZ-183**  
0,944 Kg/m

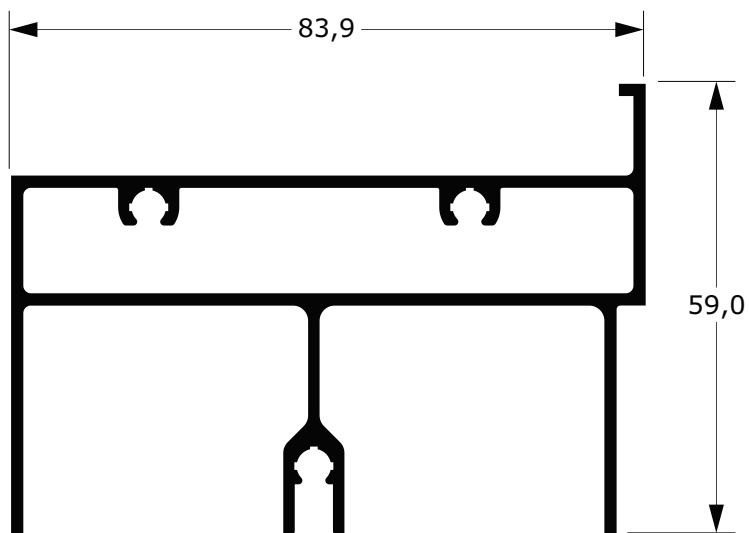


**BZ-180**  
0,810 Kg/m

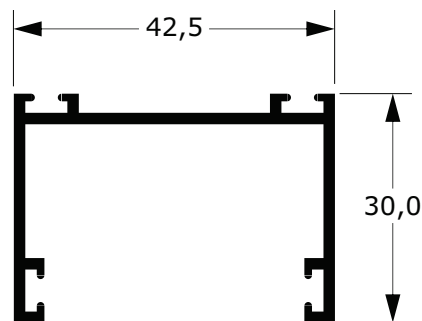


**BZ-181**  
0,564 Kg/m

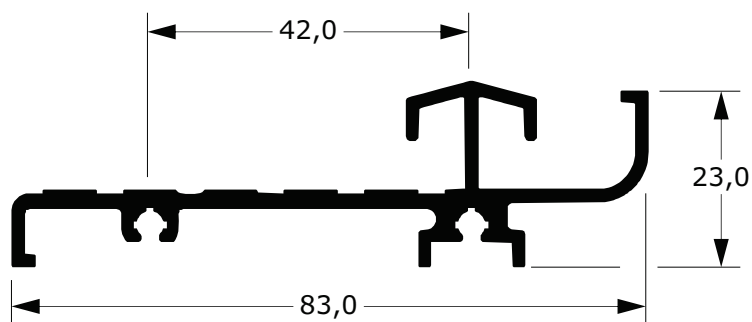




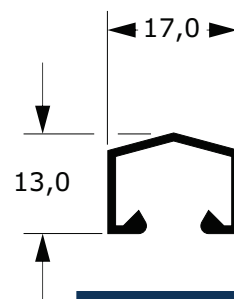
**BP-287**  
1,498 Kg/m



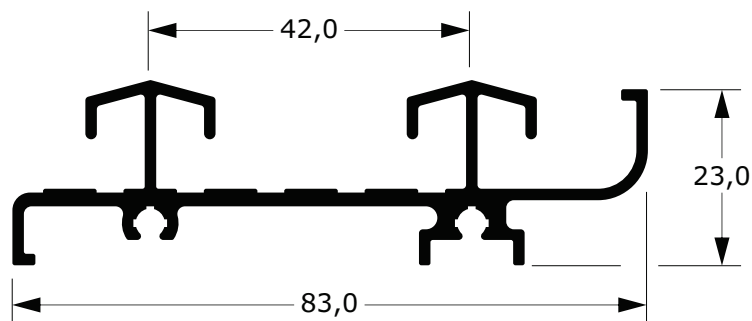
**BU-659**  
0,490 Kg/m



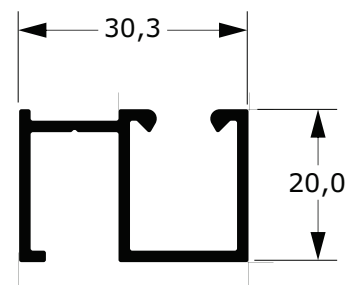
**BZ-263**  
0,840 Kg/m



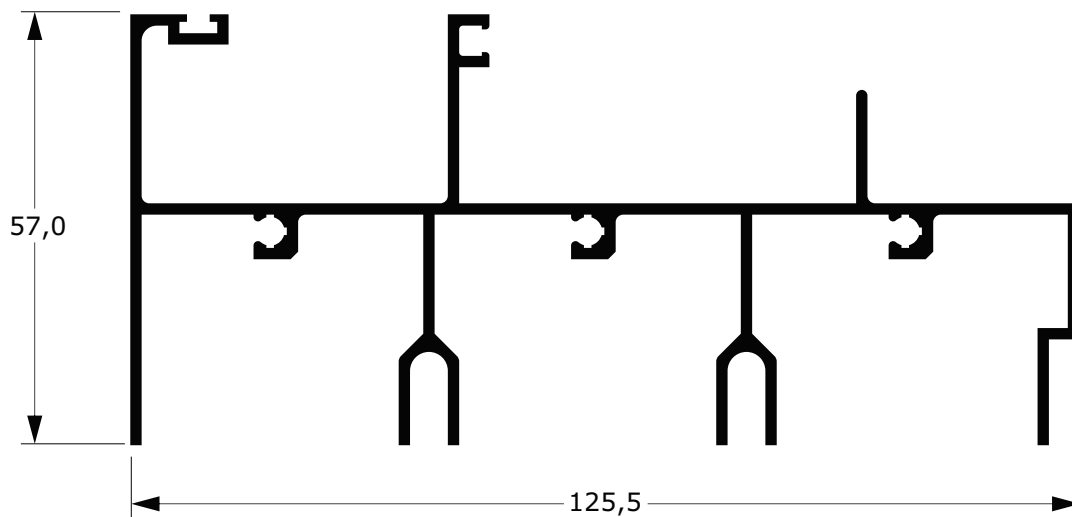
**BU-685**  
0,141 Kg/m



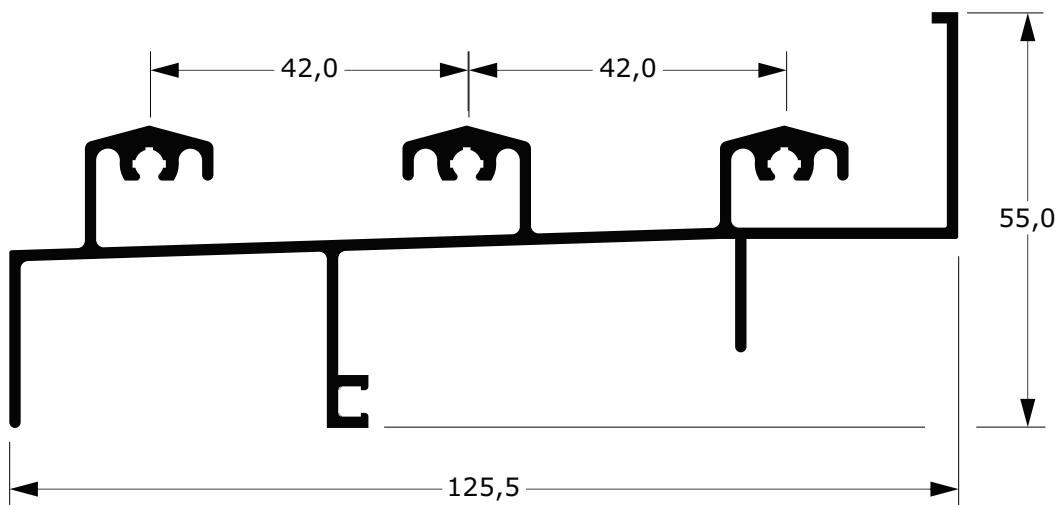
**BZ-268**  
1,011 Kg/m



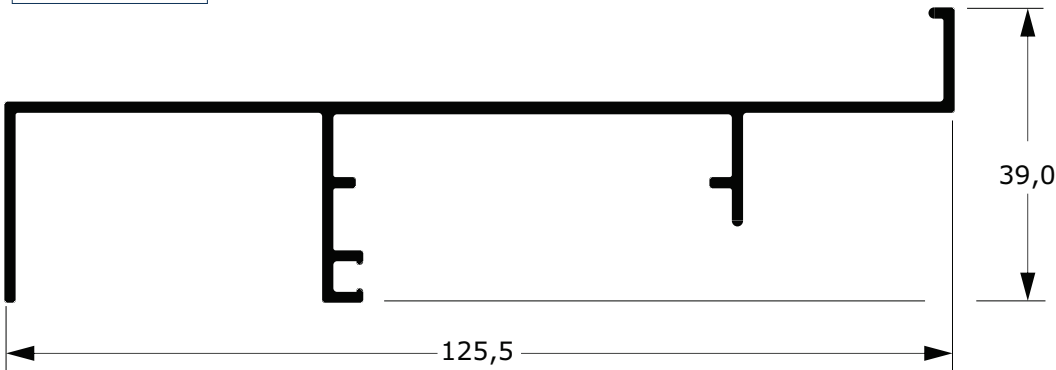
**BZ-082**  
0,393 Kg/m



**BE-485**  
1,708 Kg/m

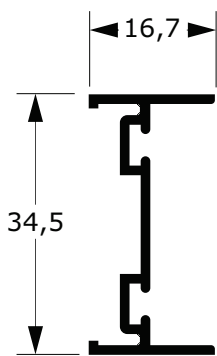
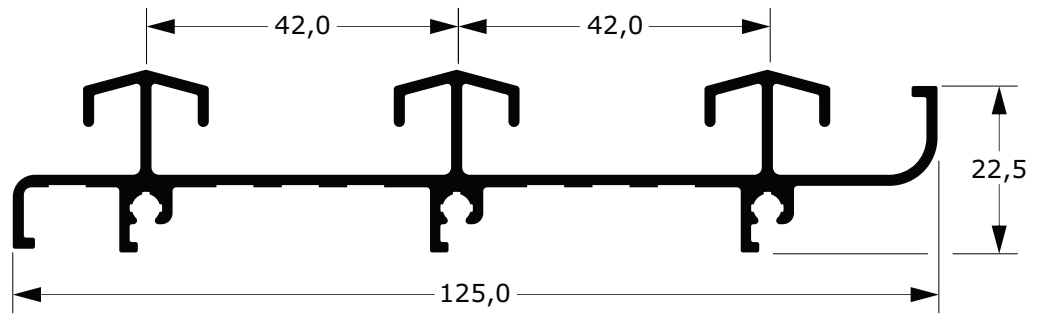


**BE-486**  
1,538 Kg/m

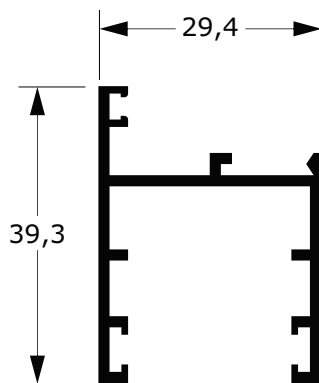


**BZ-261**  
0,892 Kg/m

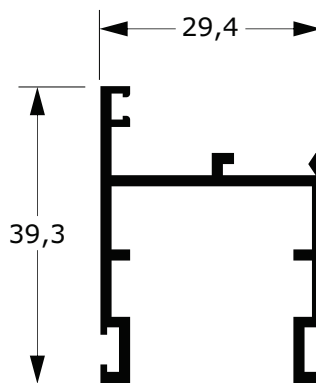
**BZ-260**  
1,323 Kg/m



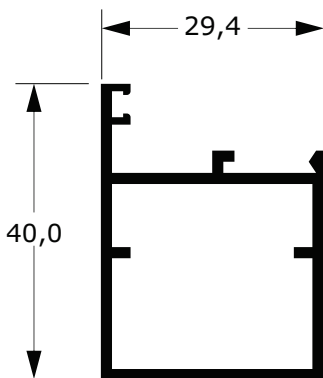
**BE-150**  
0,276 Kg/m



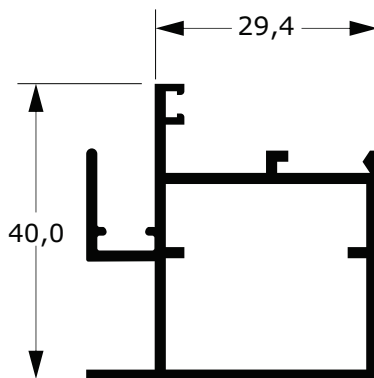
**BY-131**  
0,492 Kg/m



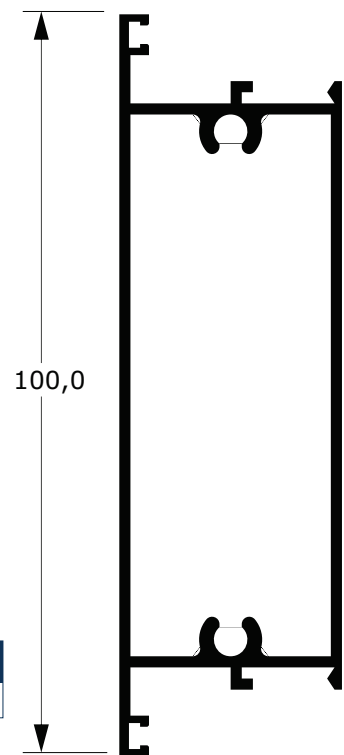
**BY-153**  
0,506 Kg/m



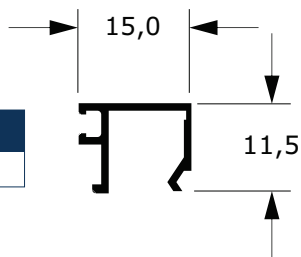
**BP-084 A**  
0,486 Kg/m



**BP-148**  
0,692 Kg/m

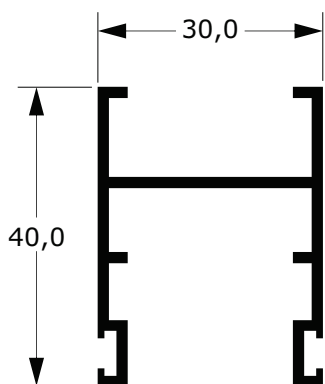


**BP-165**  
1,152 Kg/m

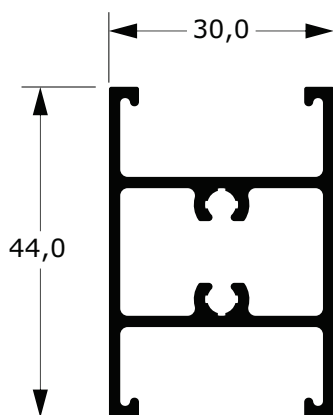


**BU-482**  
0,118 Kg/m

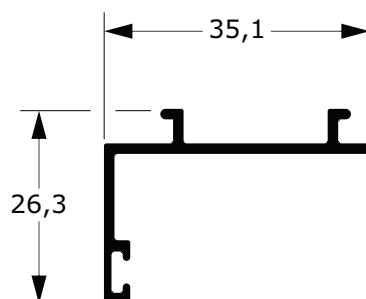




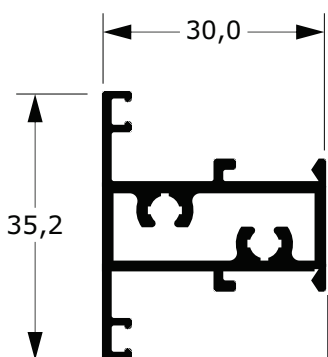
**BY-719**  
0,522 Kg/m



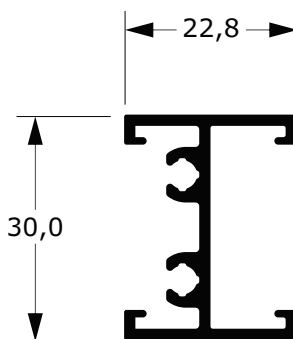
**BP-417**  
0,734 Kg/m



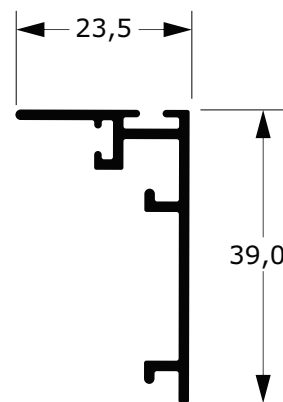
**BL-366**  
0,283 Kg/m



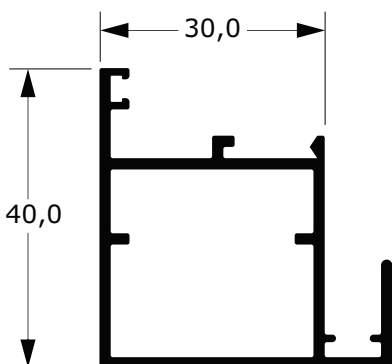
**BP-075**  
0,602 Kg/m



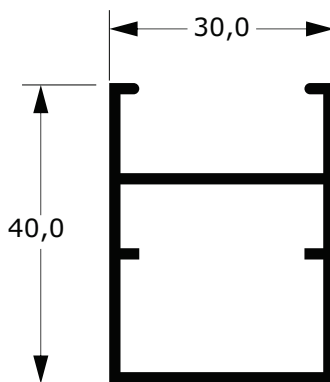
**BI-102**  
0,448 Kg/m



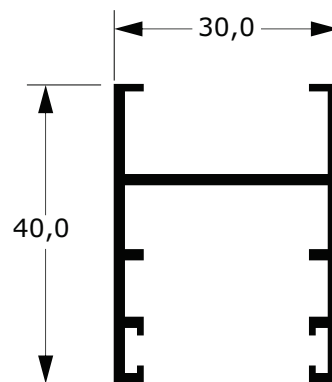
**BL-518**  
0,355 Kg/m



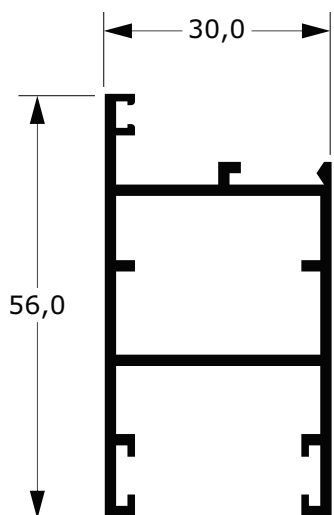
**BP-149**  
0,655 Kg/m



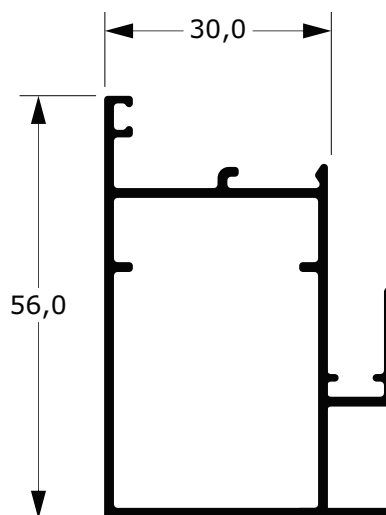
**BA-210**  
0,584 Kg/m



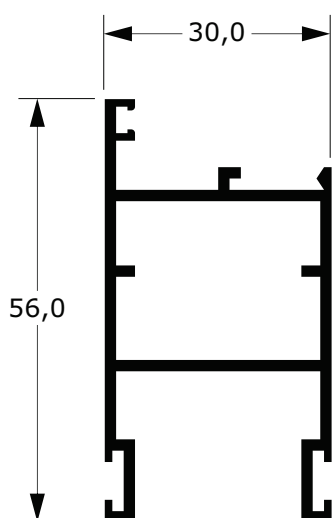
**BY-718**  
0,522 Kg/m



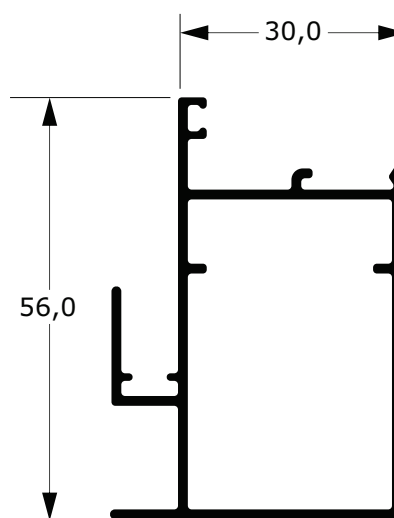
**BA-026**  
0,750 Kg/m



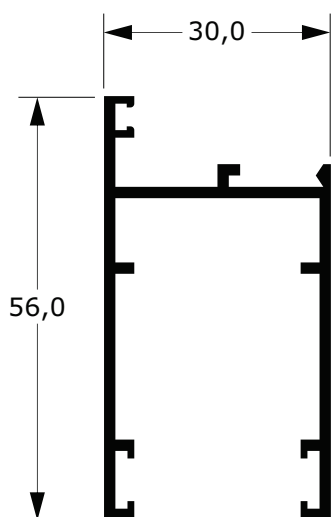
**BP-281A**  
0,726 Kg/m



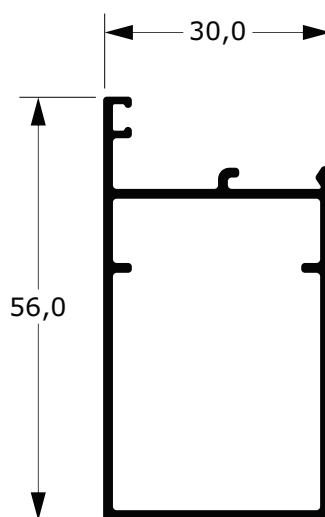
**BA-054**  
0,746 Kg/m



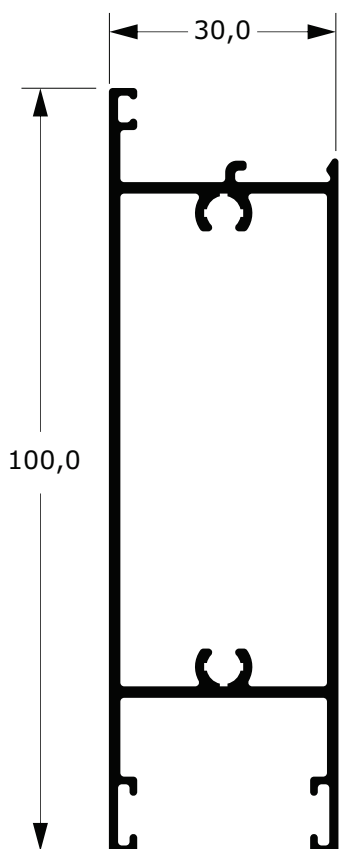
**BP-282 A**  
0,726 Kg/m



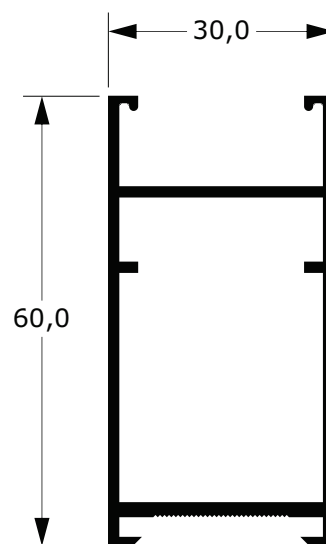
**BY-110**  
0,635 Kg/m



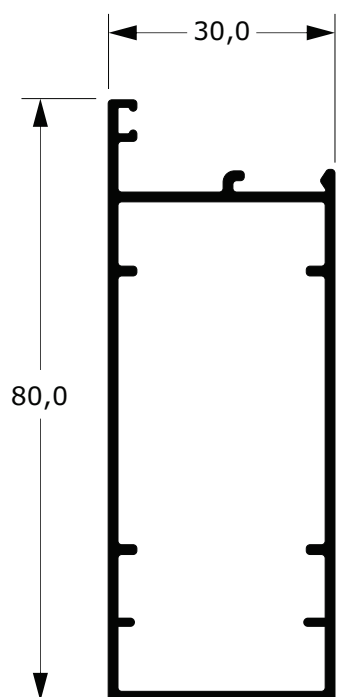
**BP-068A**  
0,604 Kg/m



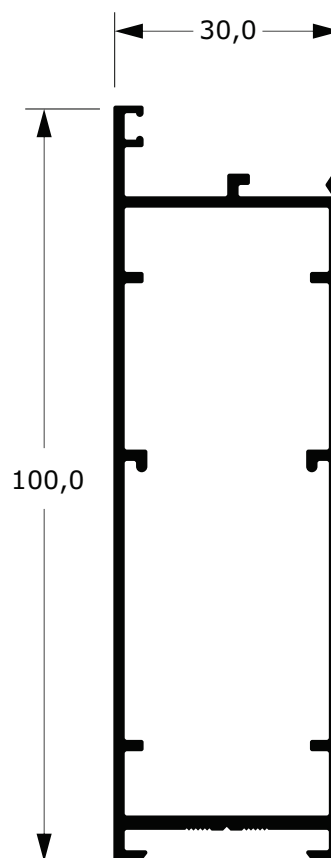
**BA-081A**  
1,135 Kg/m



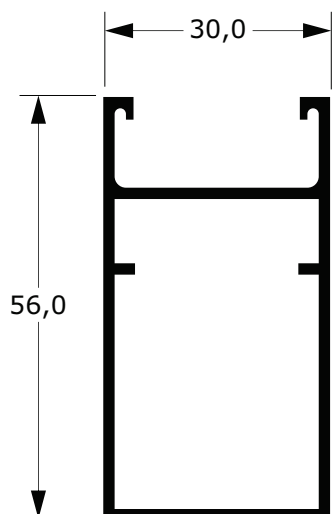
**BA-144A**  
0,697 Kg/m



**BP-264**  
1,156 Kg/m

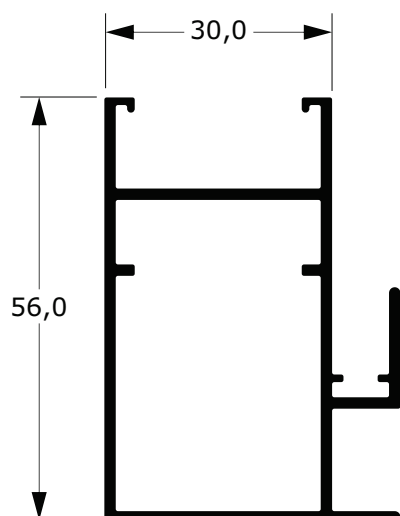
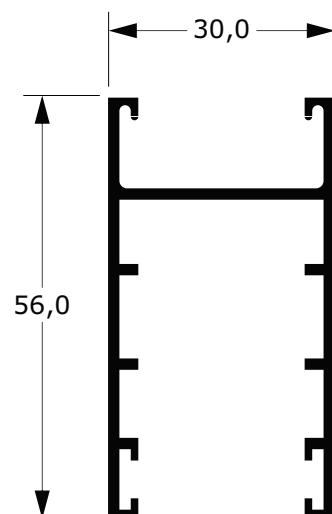


**BP-358 A**  
0,807 Kg/m

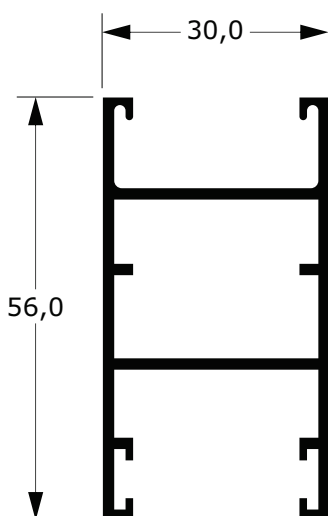


**BA-041A**  
0,626 Kg/m

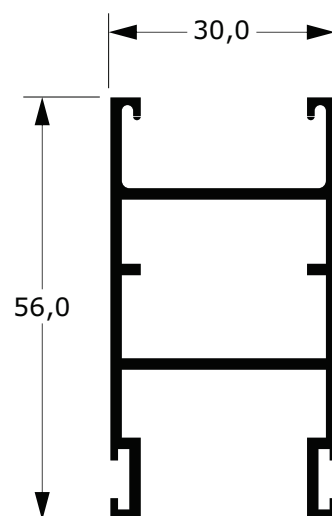
**BY-168**  
0,690 Kg/m



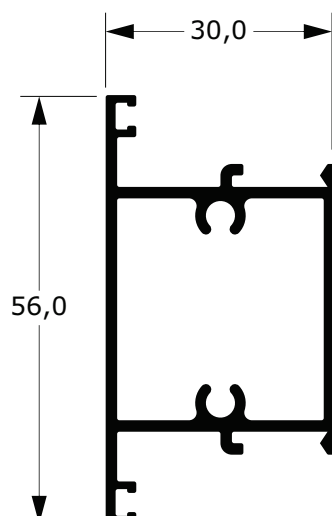
**BA-211**  
0,853 Kg/m



**BA-090**  
0,782 Kg/m

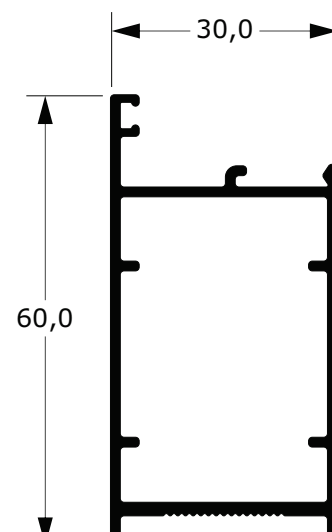


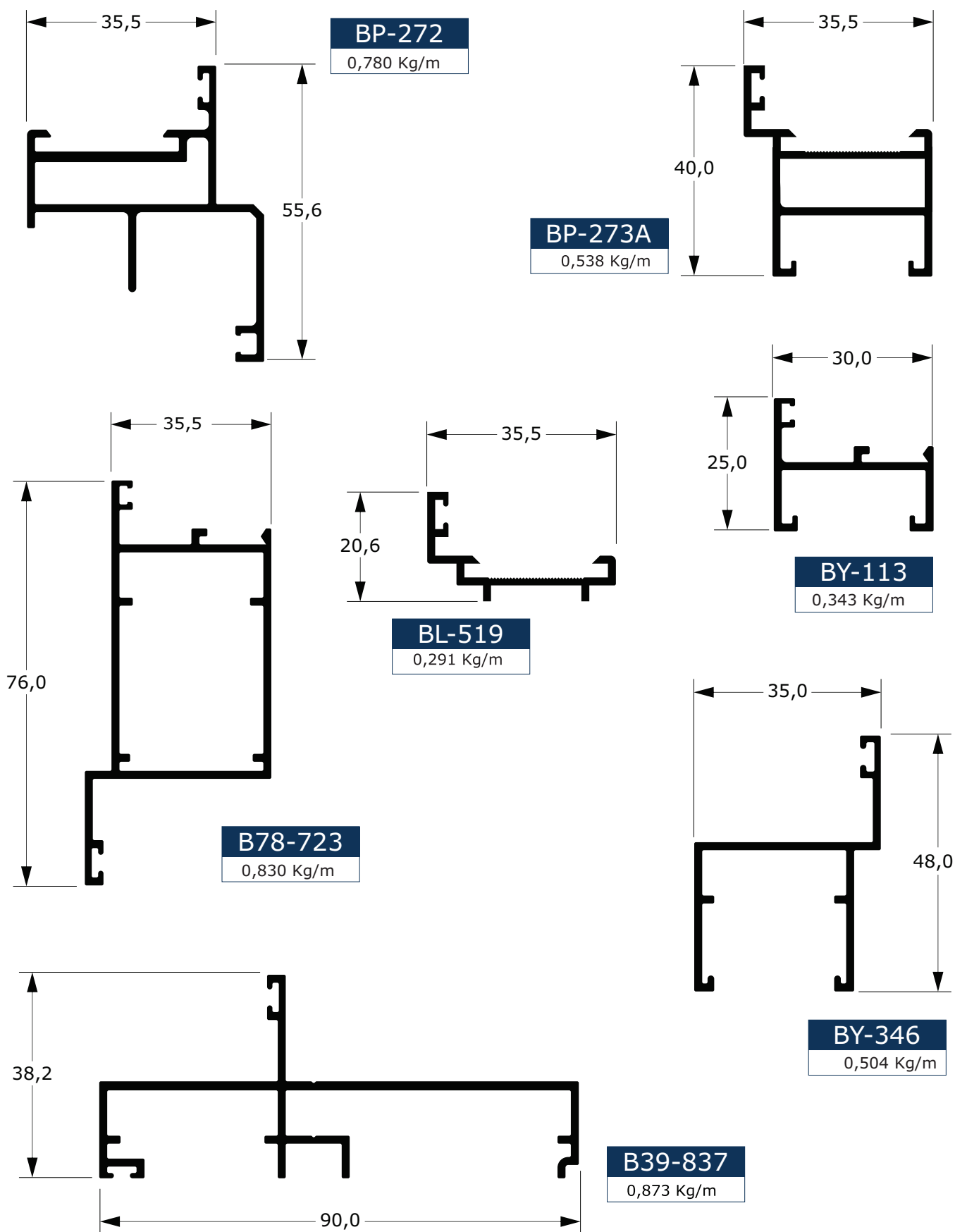
**BA-212**  
0,761 Kg/m

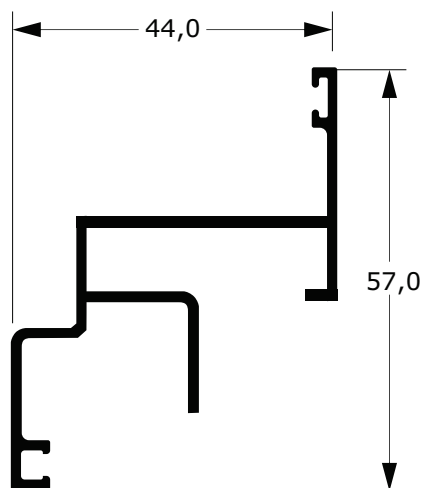


**BP-078**  
0,752 Kg/m

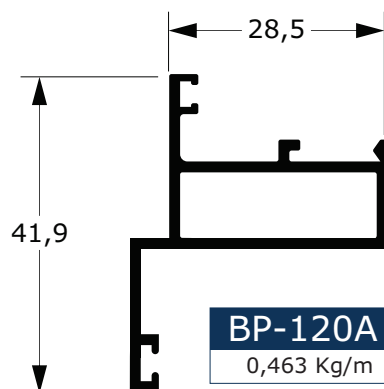
**BP-270A**  
0,688 Kg/m



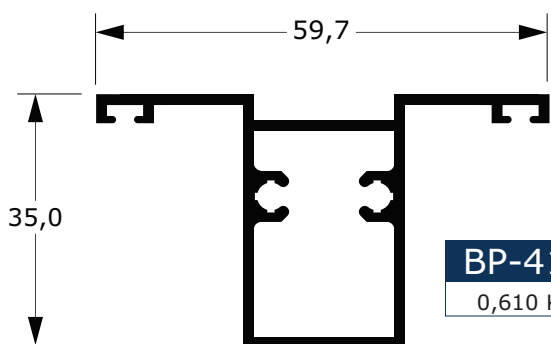




**BY-214**  
0,606 Kg/m

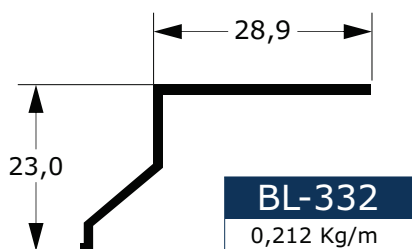
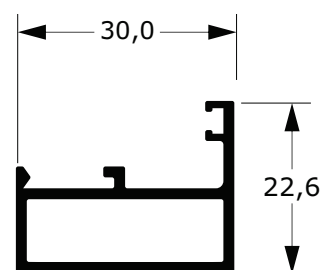


**BP-120A**  
0,463 Kg/m



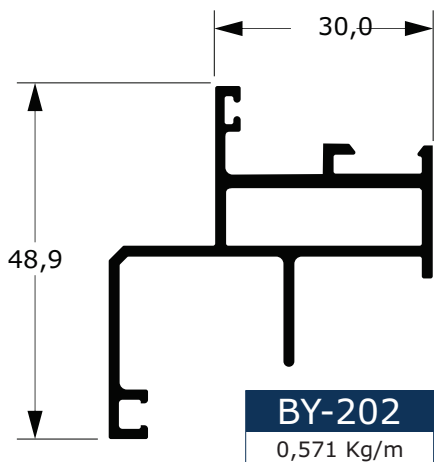
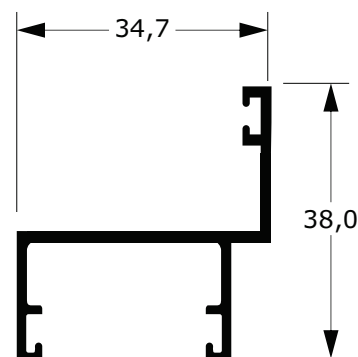
**BP-419A**  
0,610 Kg/m

**BP-064A**  
0,332 Kg/m

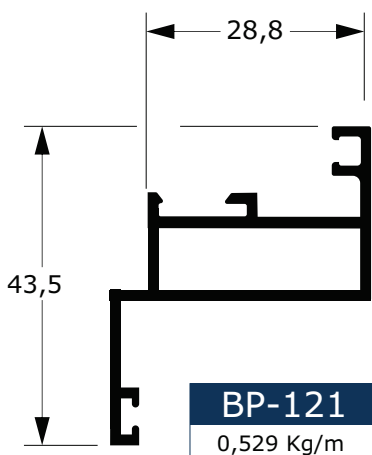


**BL-332**  
0,212 Kg/m

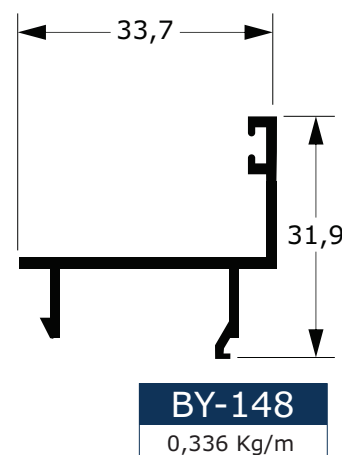
**BY-140A**  
0,338 Kg/m



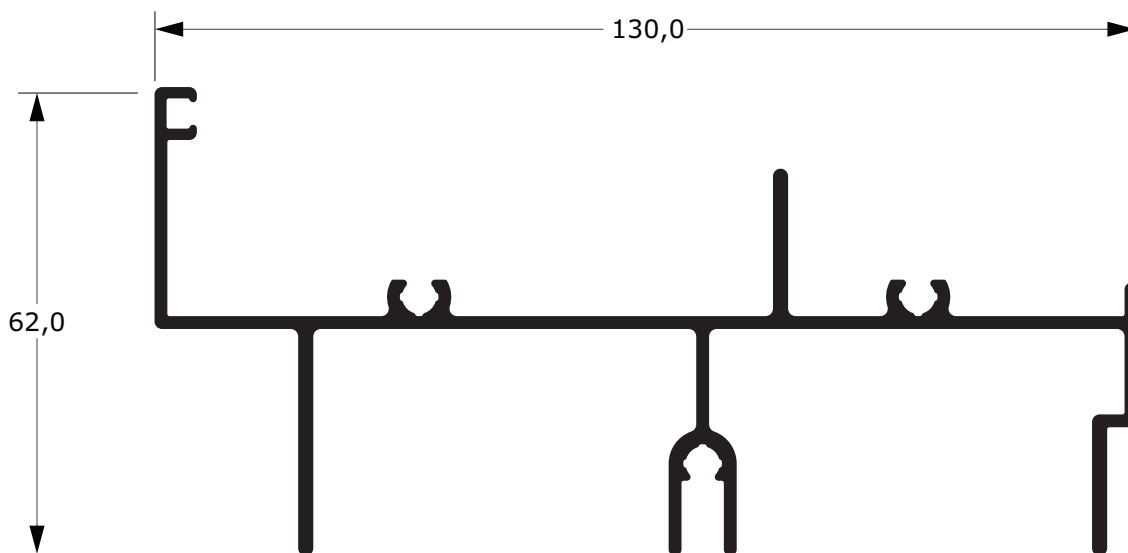
**BY-202**  
0,571 Kg/m



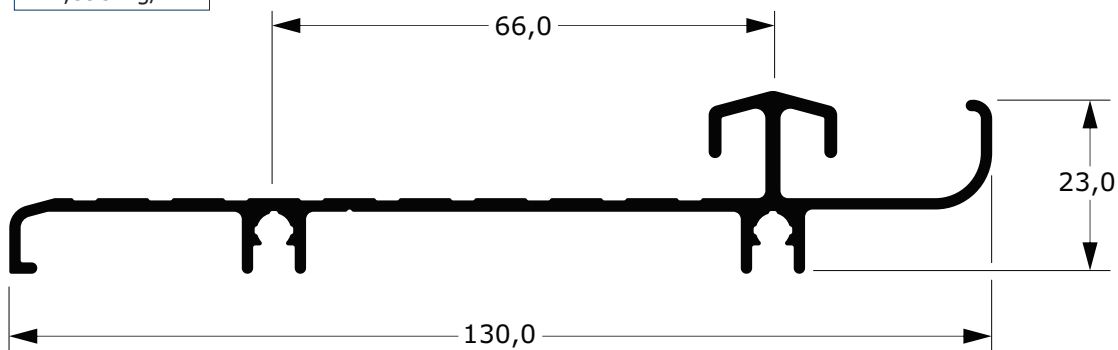
**BP-121**  
0,529 Kg/m



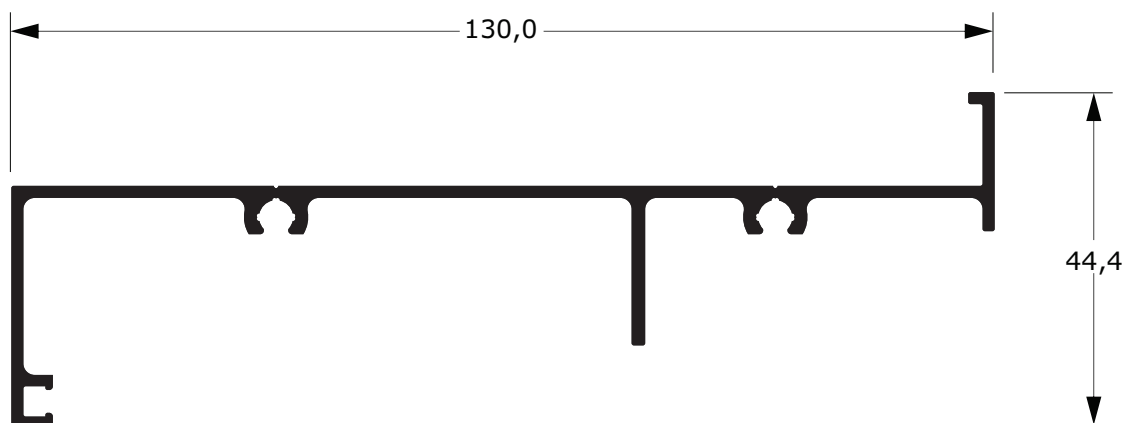
**BY-148**  
0,336 Kg/m



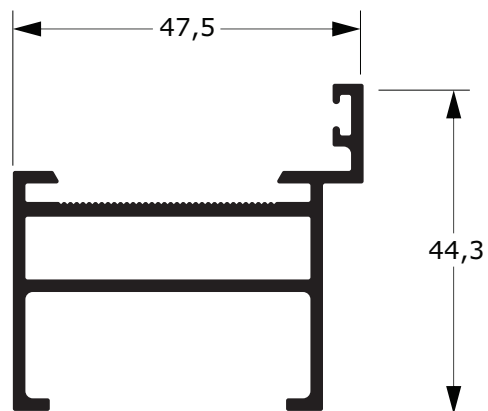
**B42-040**  
1,593 Kg/m



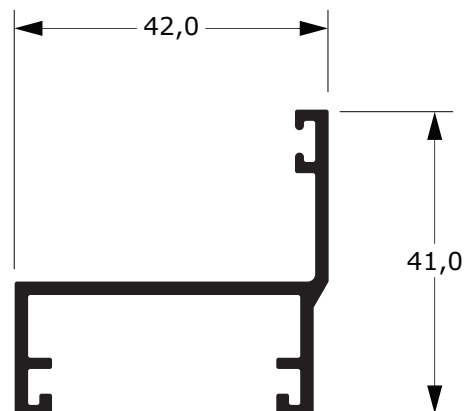
**B42-002**  
1,040 Kg/m



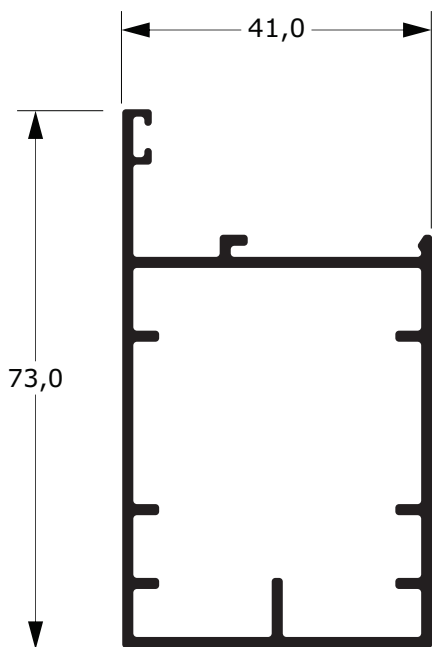
**BZ-186**  
1,038 Kg/m



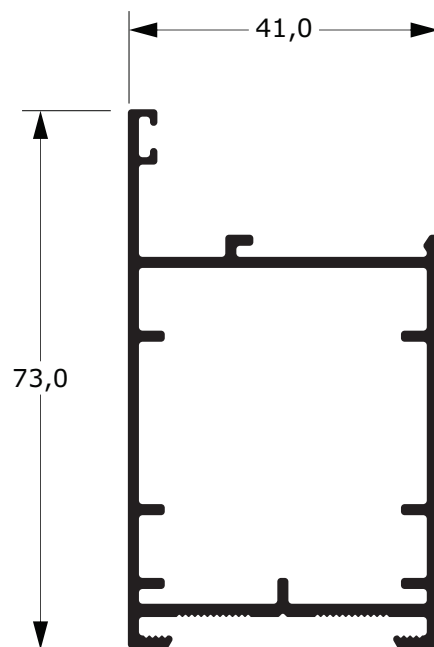
**BP-280**  
0,855 Kg/m



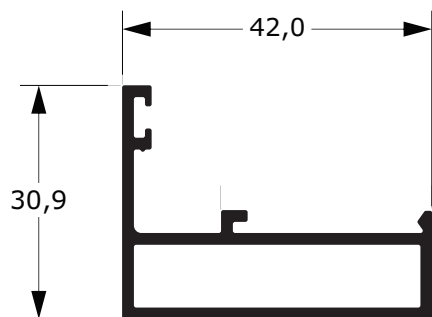
**BY-181**  
0,570 Kg/m



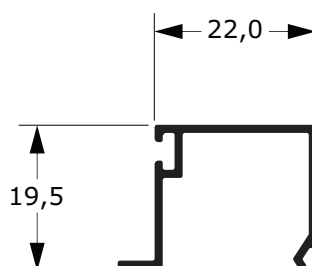
**B78-1082C**  
1,002 Kg/m



**B78-1083C**  
1,044 Kg/m

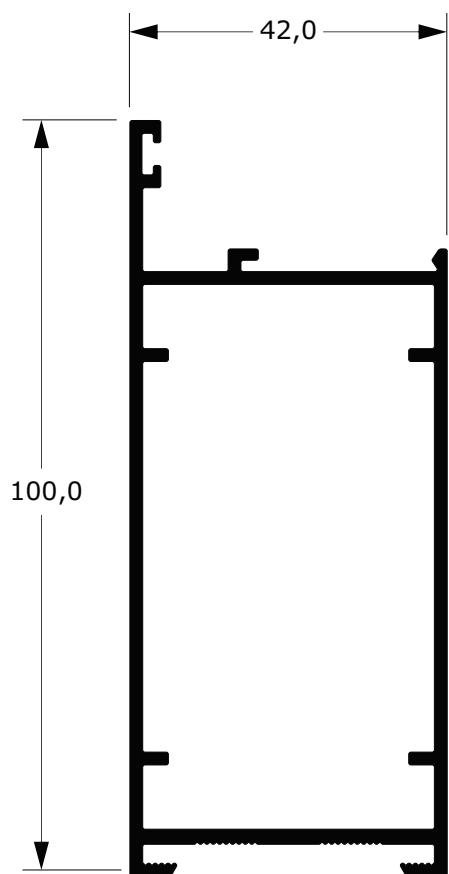


**BP-253**  
0,587 Kg/m

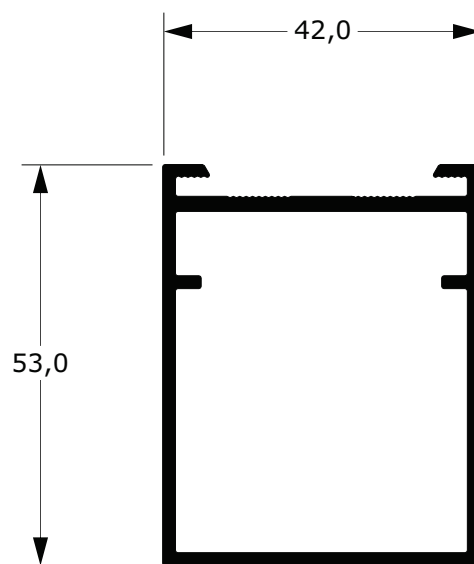


**BU-1076**  
0,209 Kg/m

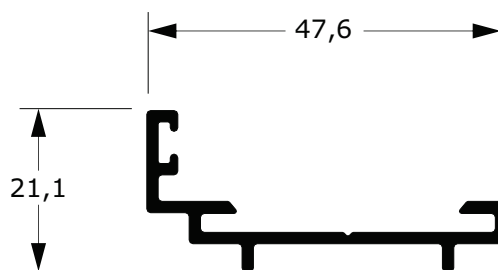




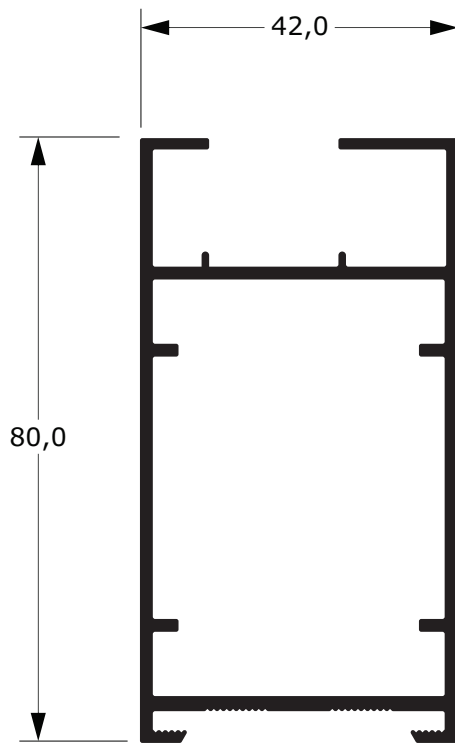
**BP-268A**  
1,373 Kg/m



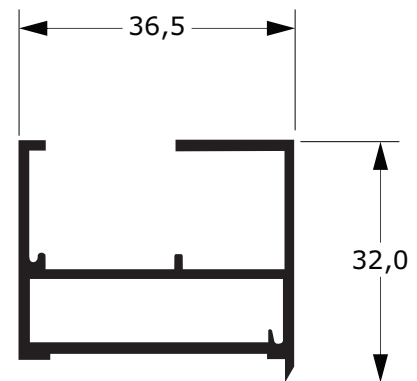
**B42-999**  
0,985 Kg/m



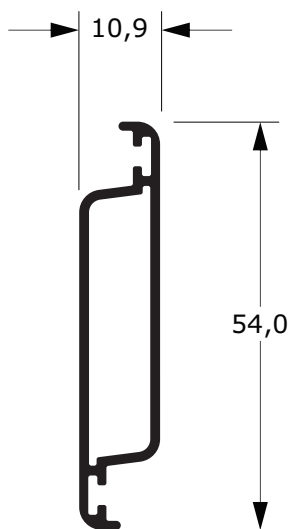
**B42-014**  
0,369 Kg/m



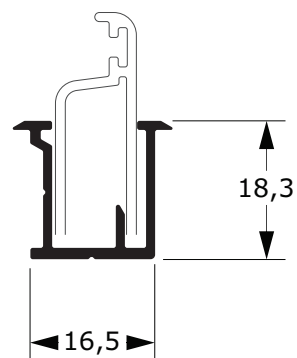
**B78-572**  
1,307 Kg/m



**B78-519**  
0,608 Kg/m

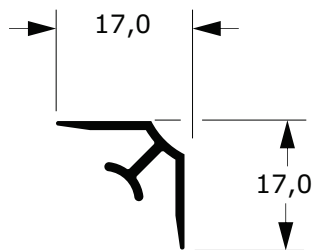


**B78-518**  
0,400 Kg/m

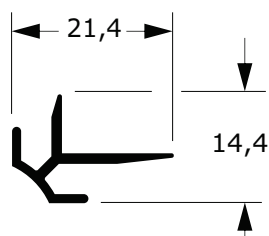


**B39-588**  
0,217 Kg/m

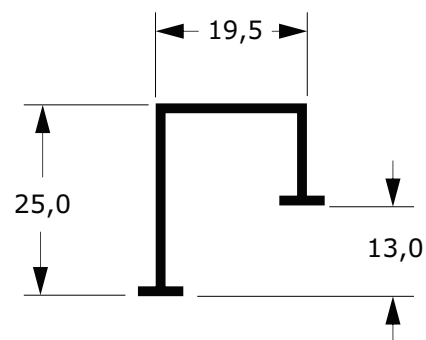
**BRISES**  
**GUARDA CORPOS**  
**LAMBRIS**  
**PORTÕES**



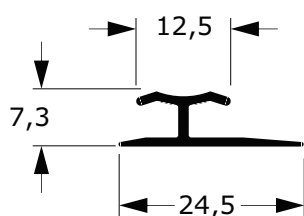
**BY-165**  
0,132 Kg/m



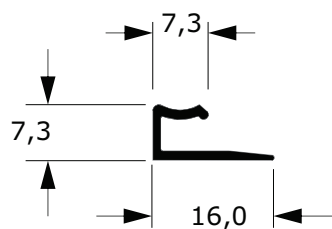
**BY-166**  
0,140 Kg/m



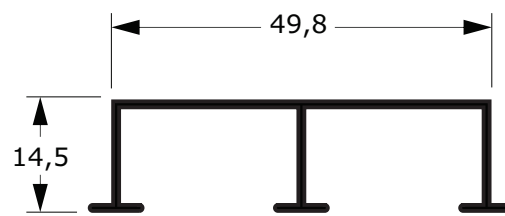
**BL-690**  
0,141 Kg/m



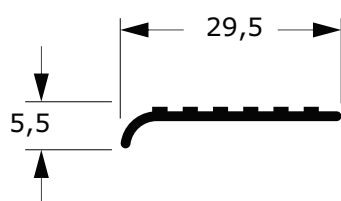
**BI-103**  
0,126 Kg/m



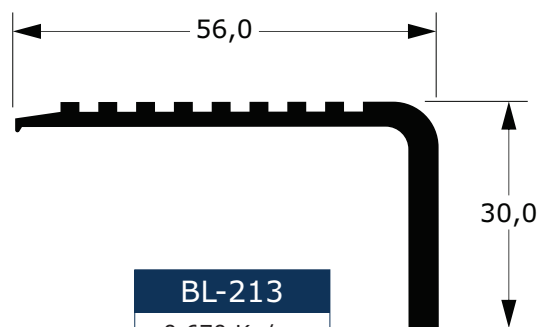
**BL-392**  
0,084 Kg/m



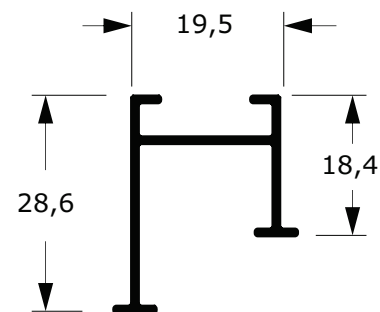
**BE-445**  
0,235 Kg/m



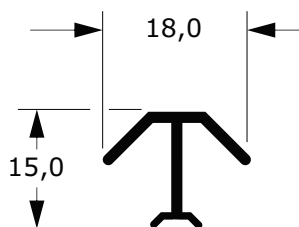
**BL-460**  
0,127 Kg/m



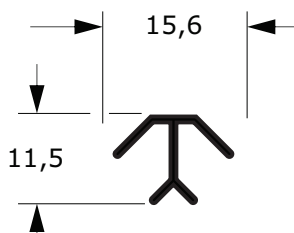
**BL-213**  
0,670 Kg/m



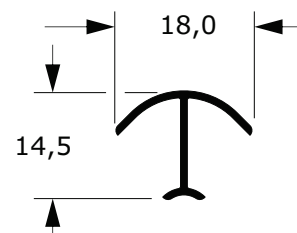
**B39-307**  
0,174 Kg/m



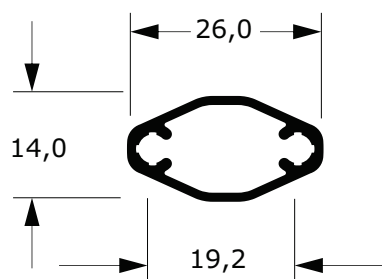
**BI-186**  
0,090 Kg/m



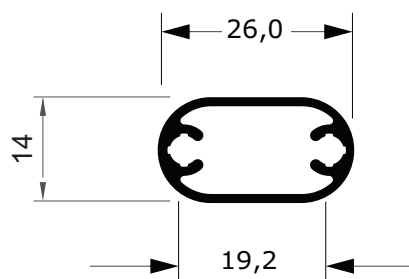
**BI-313**  
0,074 Kg/m



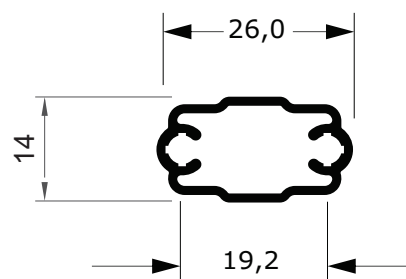
**BI-185**  
0,084 Kg/m

**B78-1021**

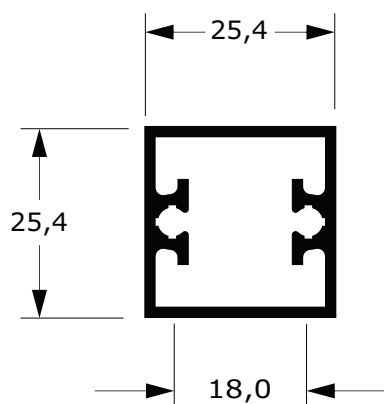
0,248 Kg/m

**B78-1017**

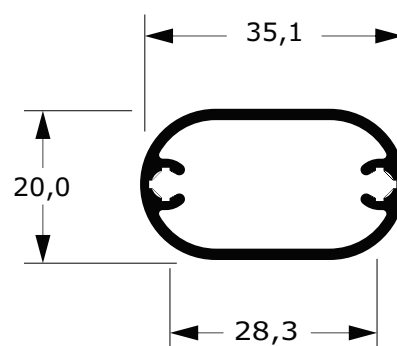
0,286 Kg/m

**B78-1016**

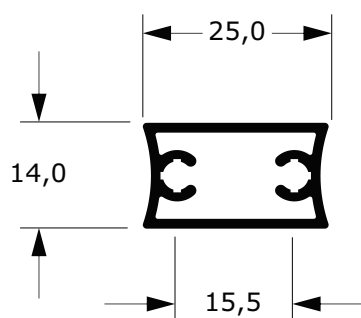
0,270 Kg/m

**BD-080**

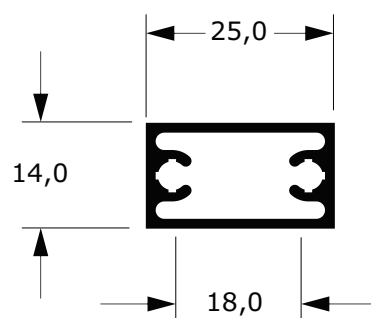
0,525 Kg/m

**B78-366**

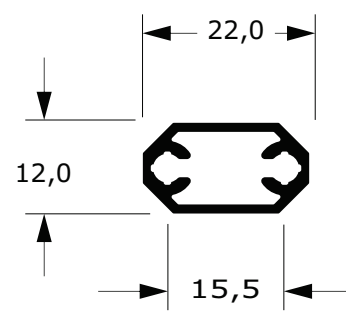
0,388 Kg/m

**BD-056**

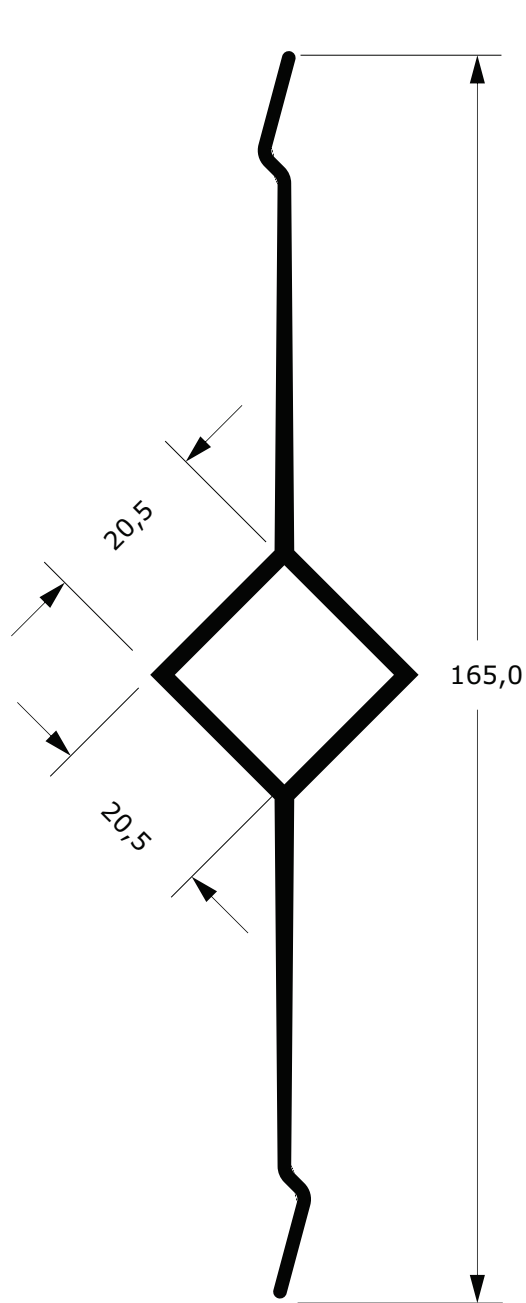
0,333 Kg/m

**BD-082**

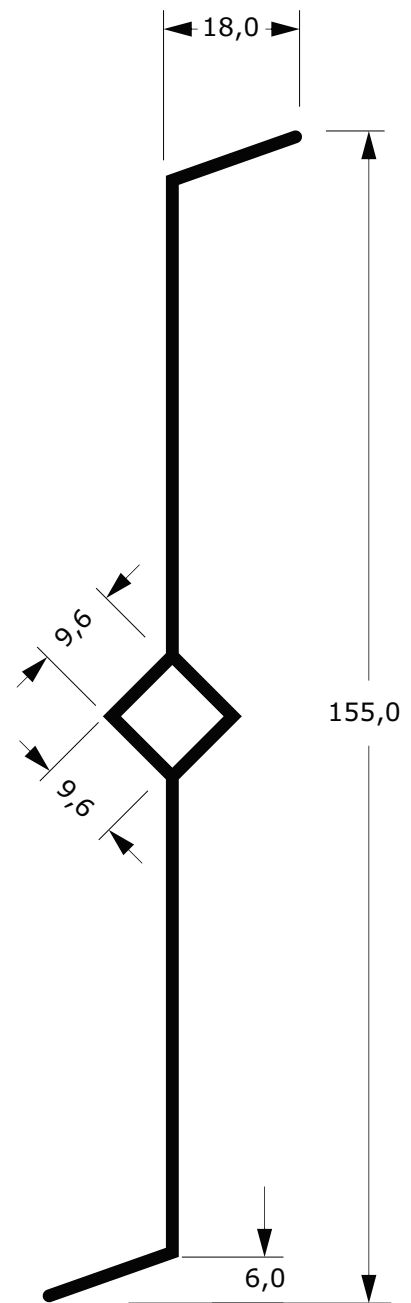
0,349 Kg/m

**BD-070**

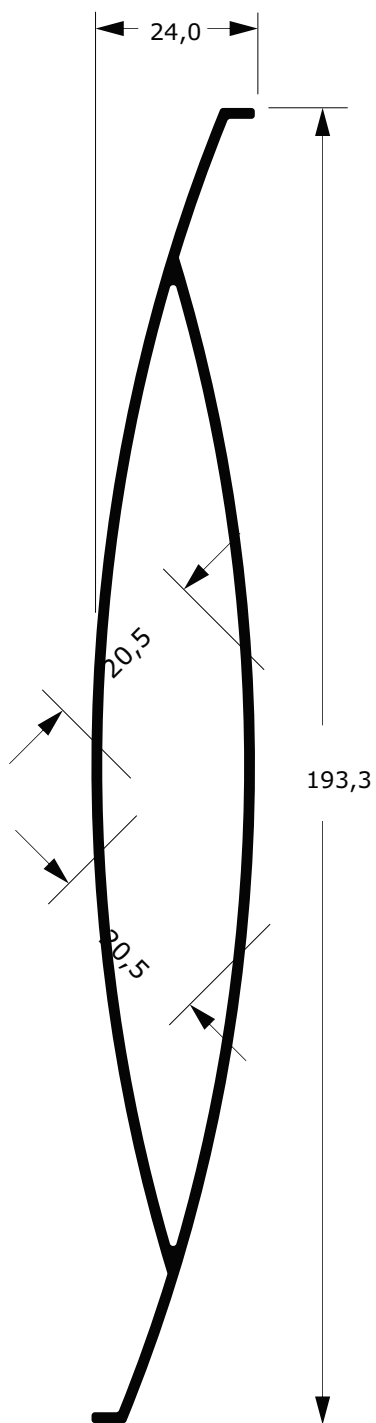
0,256 Kg/m



**B78-126**  
1,315 Kg/m

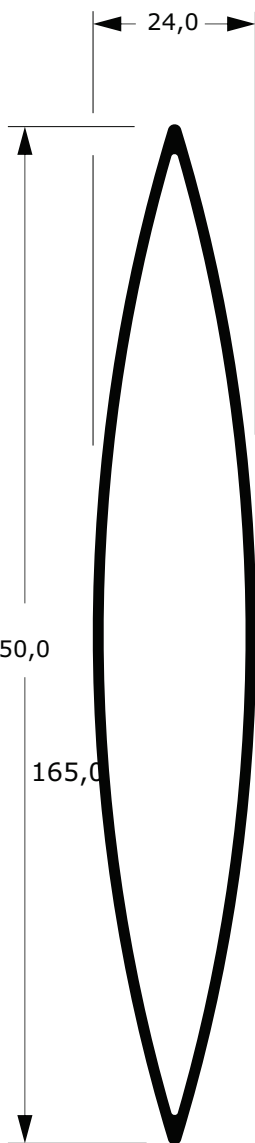


**BD-054**  
0,835 Kg/m

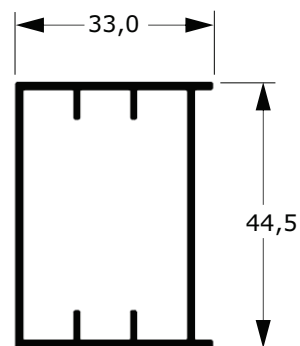


**B78-344**  
1,538 Kg/m

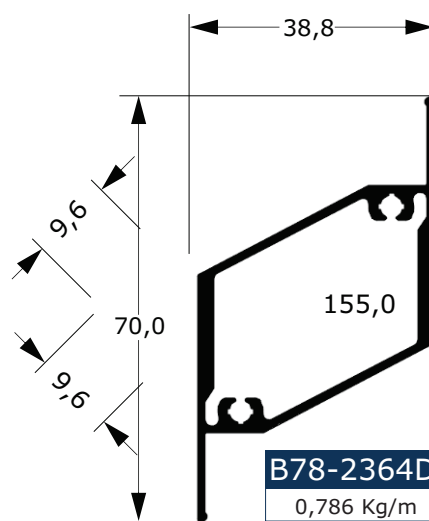
**BRISE EXTENSIVO**  
Cobre 30 % a mais que o similar.



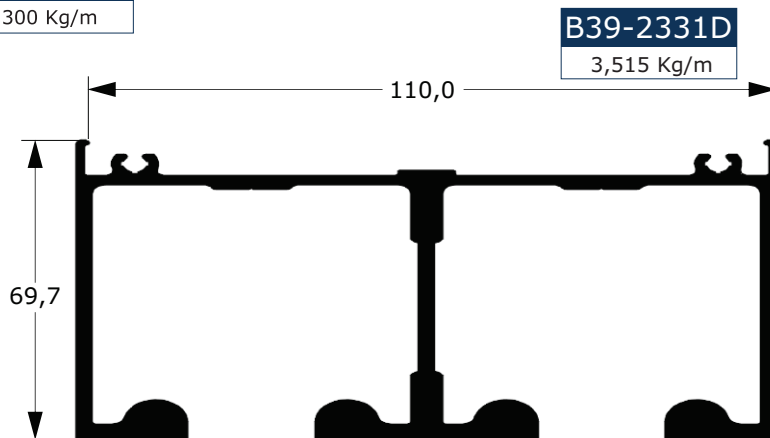
**BD-053**  
1,300 Kg/m



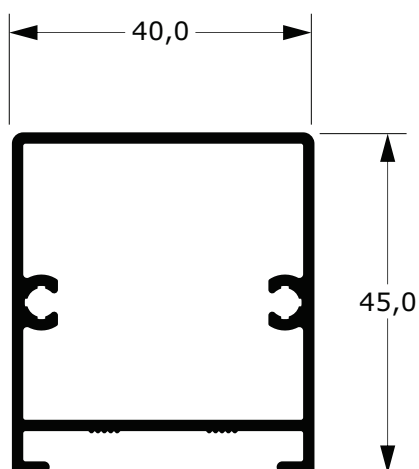
**B78-2363D**  
0,562 Kg/m



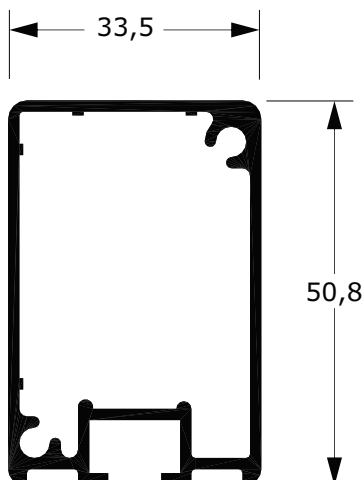
**B78-2364D**  
0,786 Kg/m



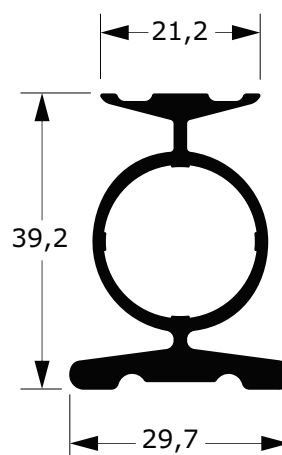
**B39-2331D**  
3,515 Kg/m



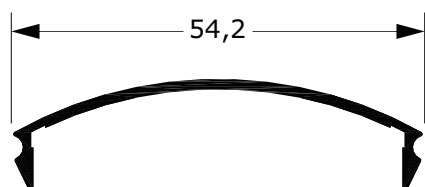
**BD-199**  
0,796 Kg/m



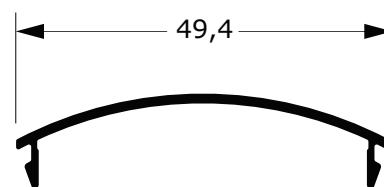
**B78-088**  
0,858 Kg/m



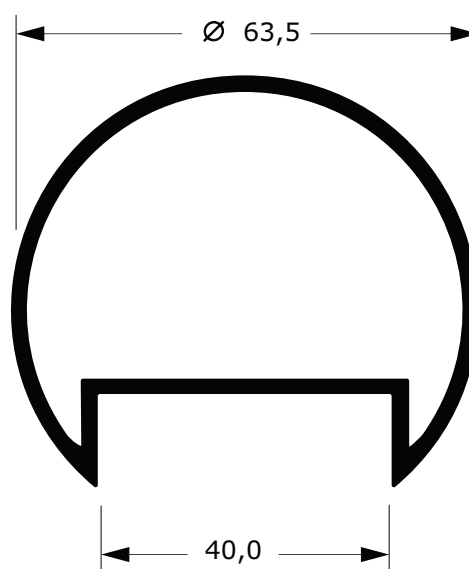
**B78-1031**  
0,802 Kg/m



**B19-002**  
0,267 Kg/m

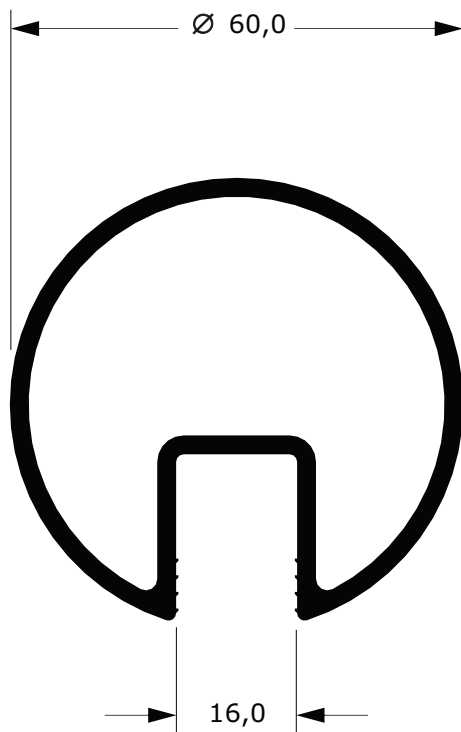


**B19-629**  
0,221 kg/m

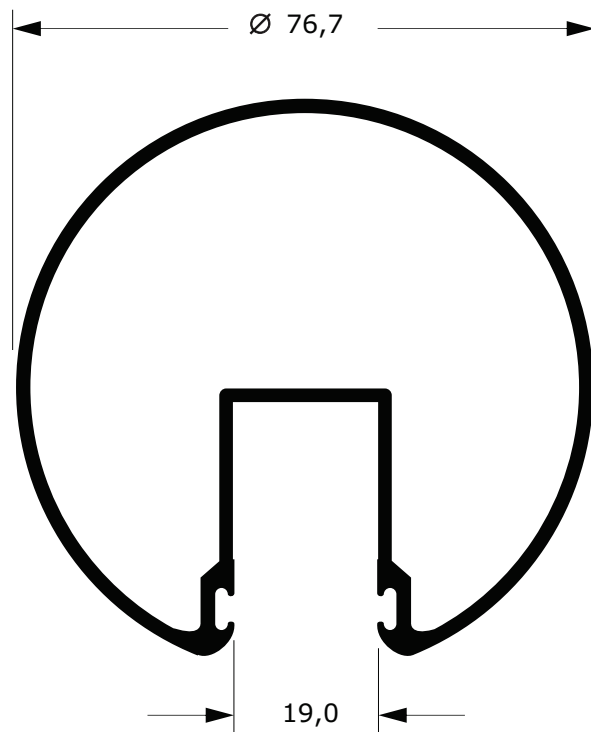


**B78-433**  
1,684 Kg/m

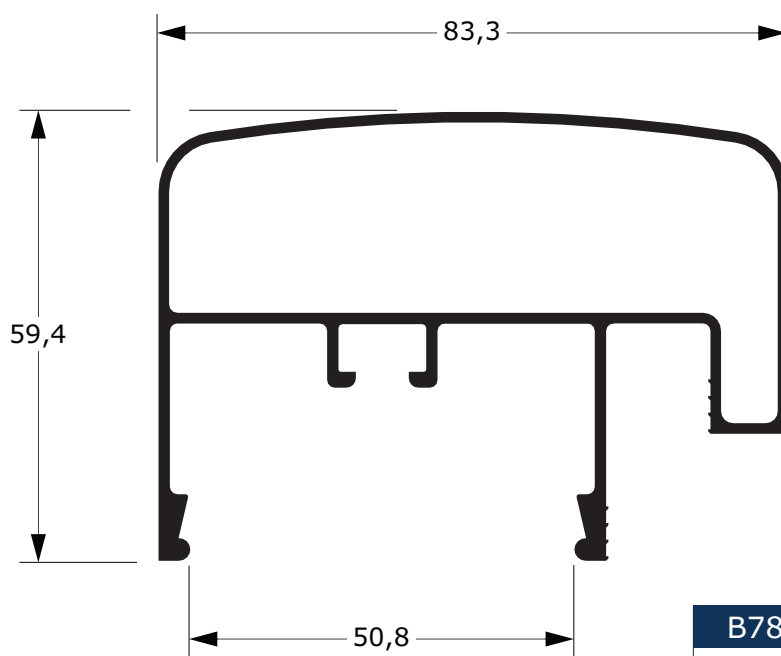


**B78-101**

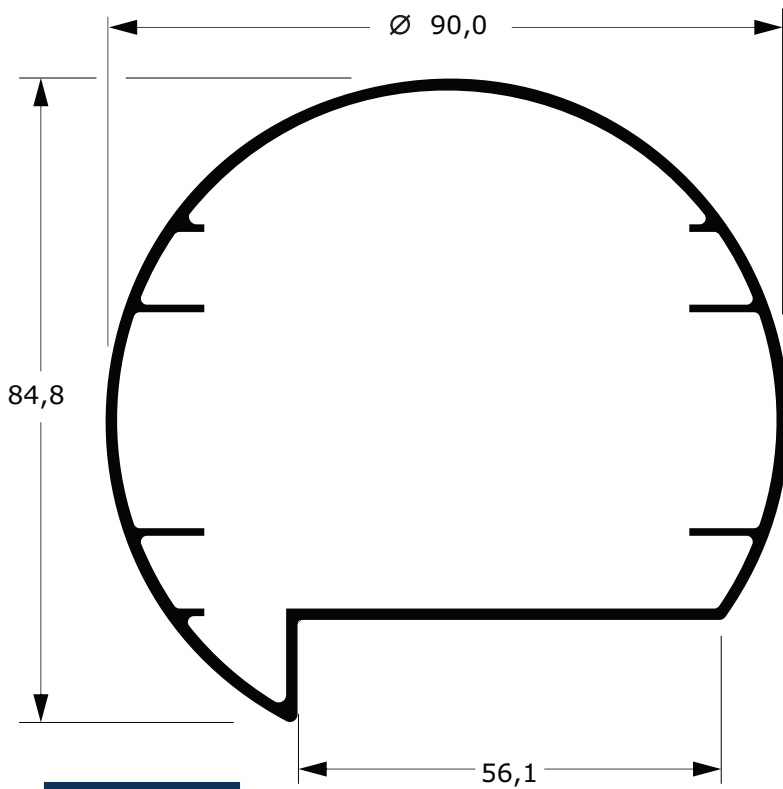
1,507 Kg/m

**B78-124**

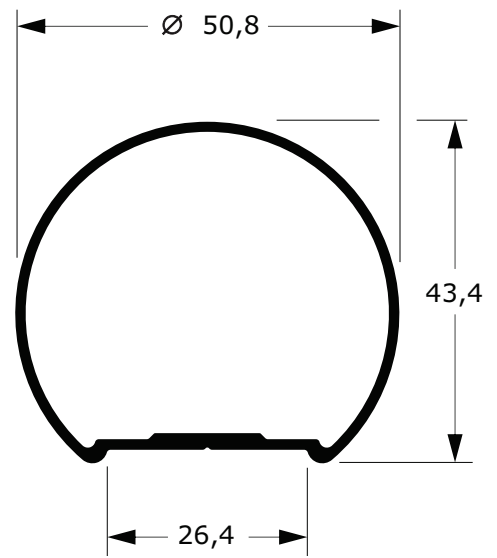
1,670 Kg/m

**B78-004**

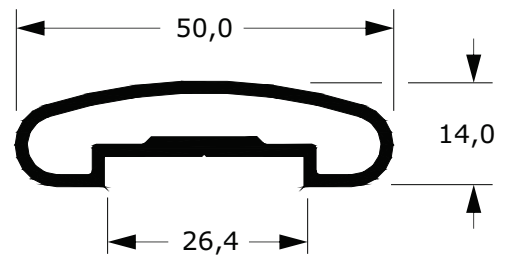
1,345 Kg/m



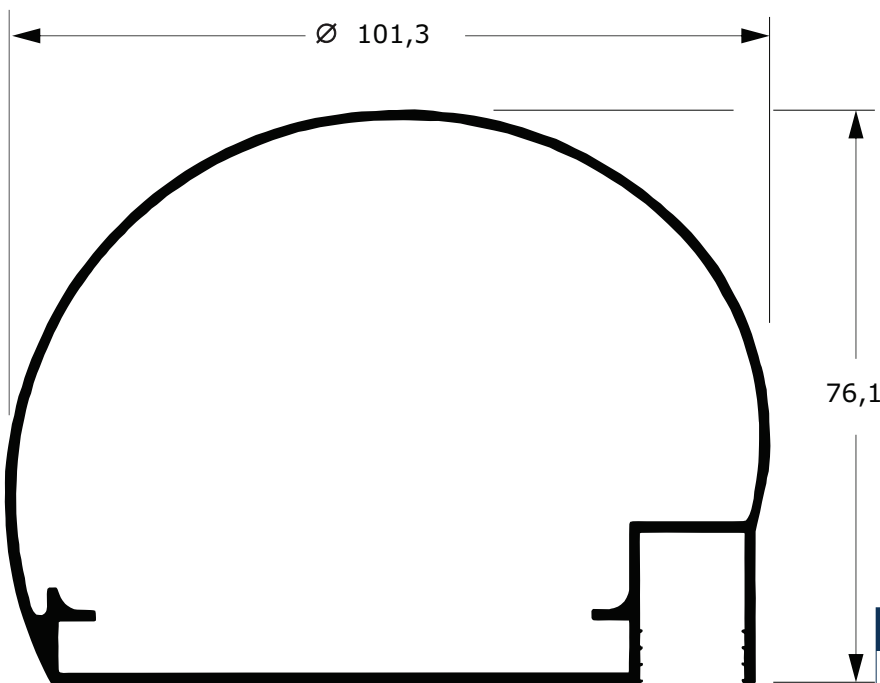
**B78-397**  
1,291 Kg/m



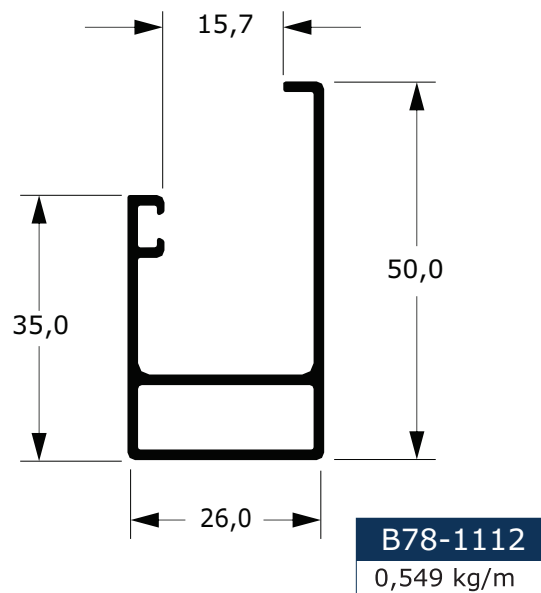
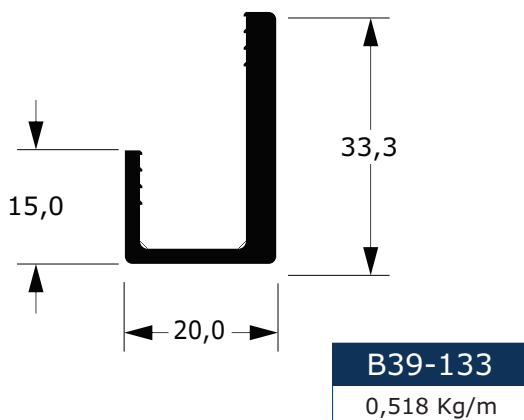
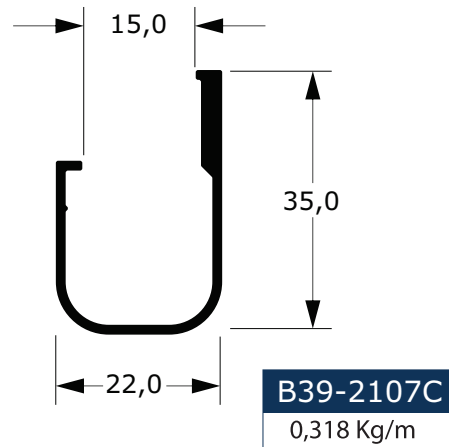
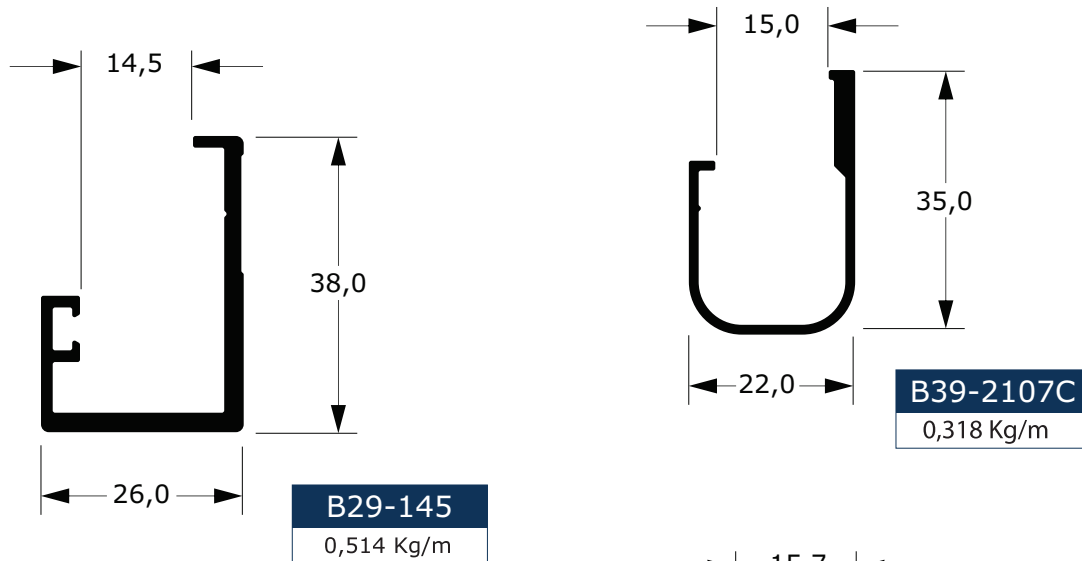
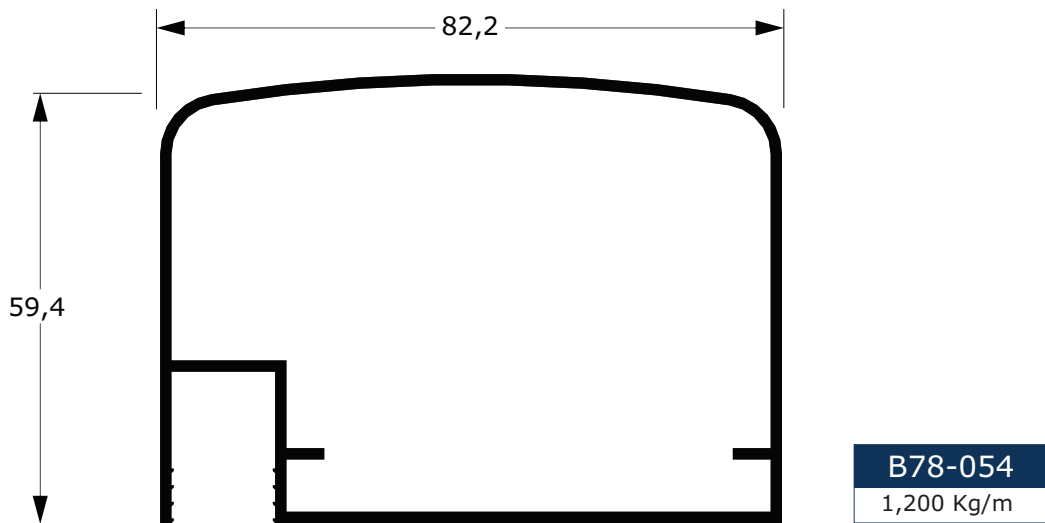
**B78-260**  
0,660 Kg/m

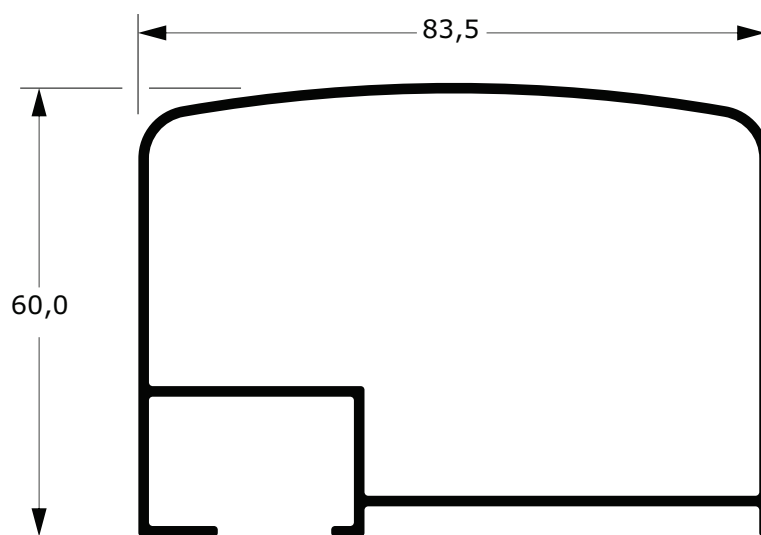


**BD-095**  
0,544 Kg/m

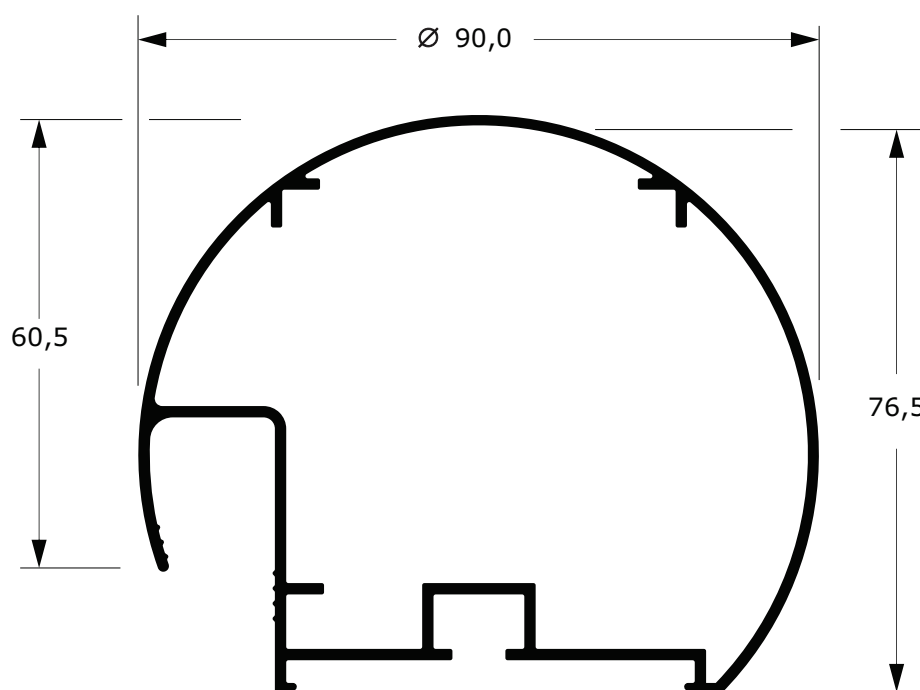


**B78-690**  
1,412 Kg/m

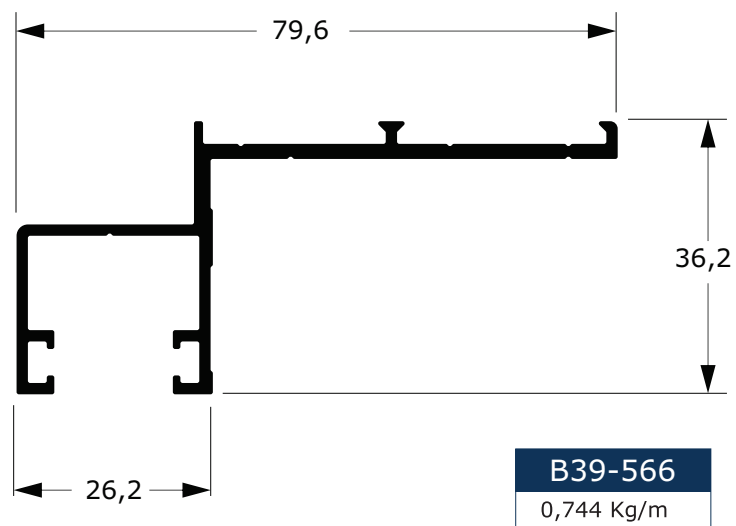
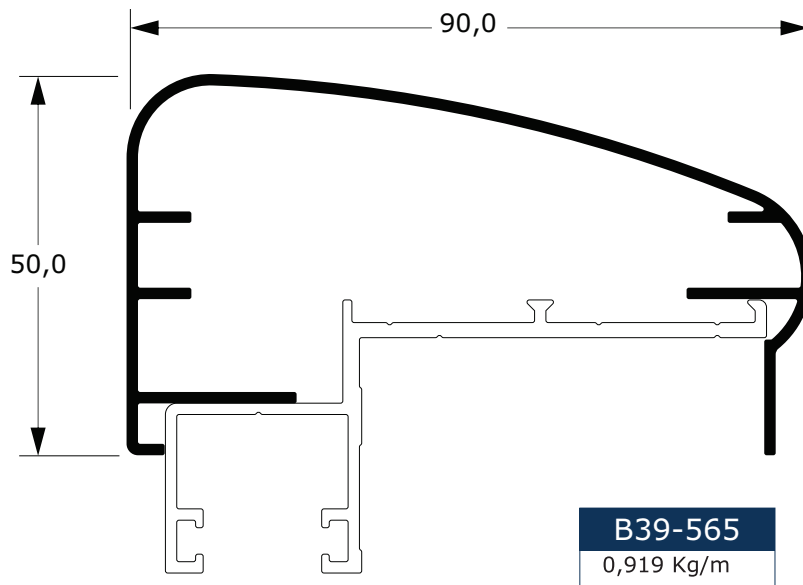


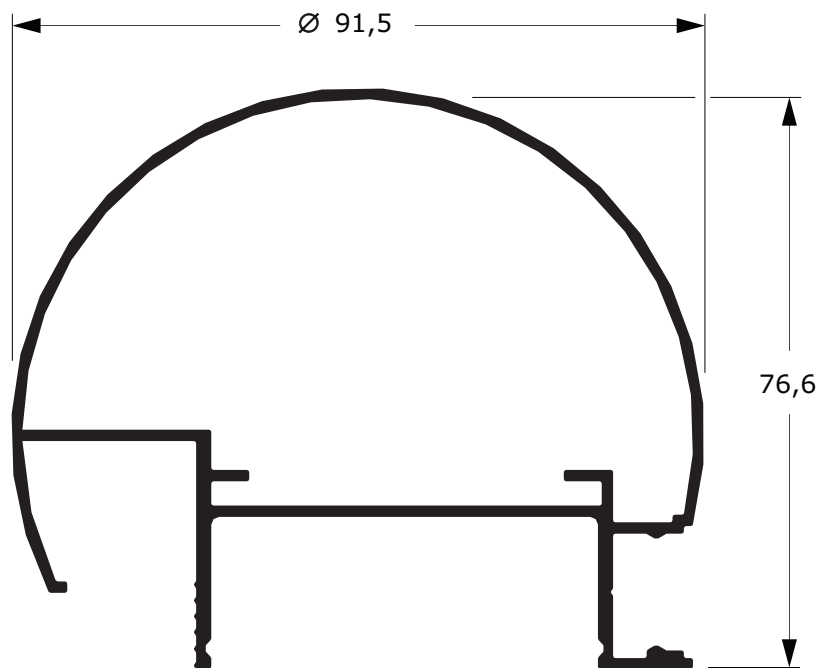
**B78-1054C**

1,141 Kg/m

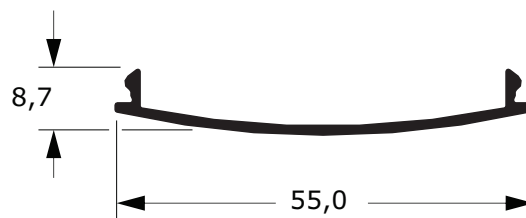
**B78-946**

1,431 Kg/m

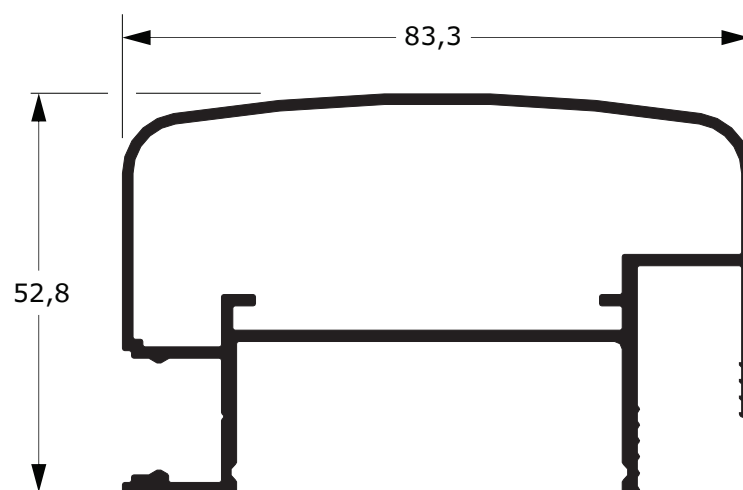


**B78-2083C**

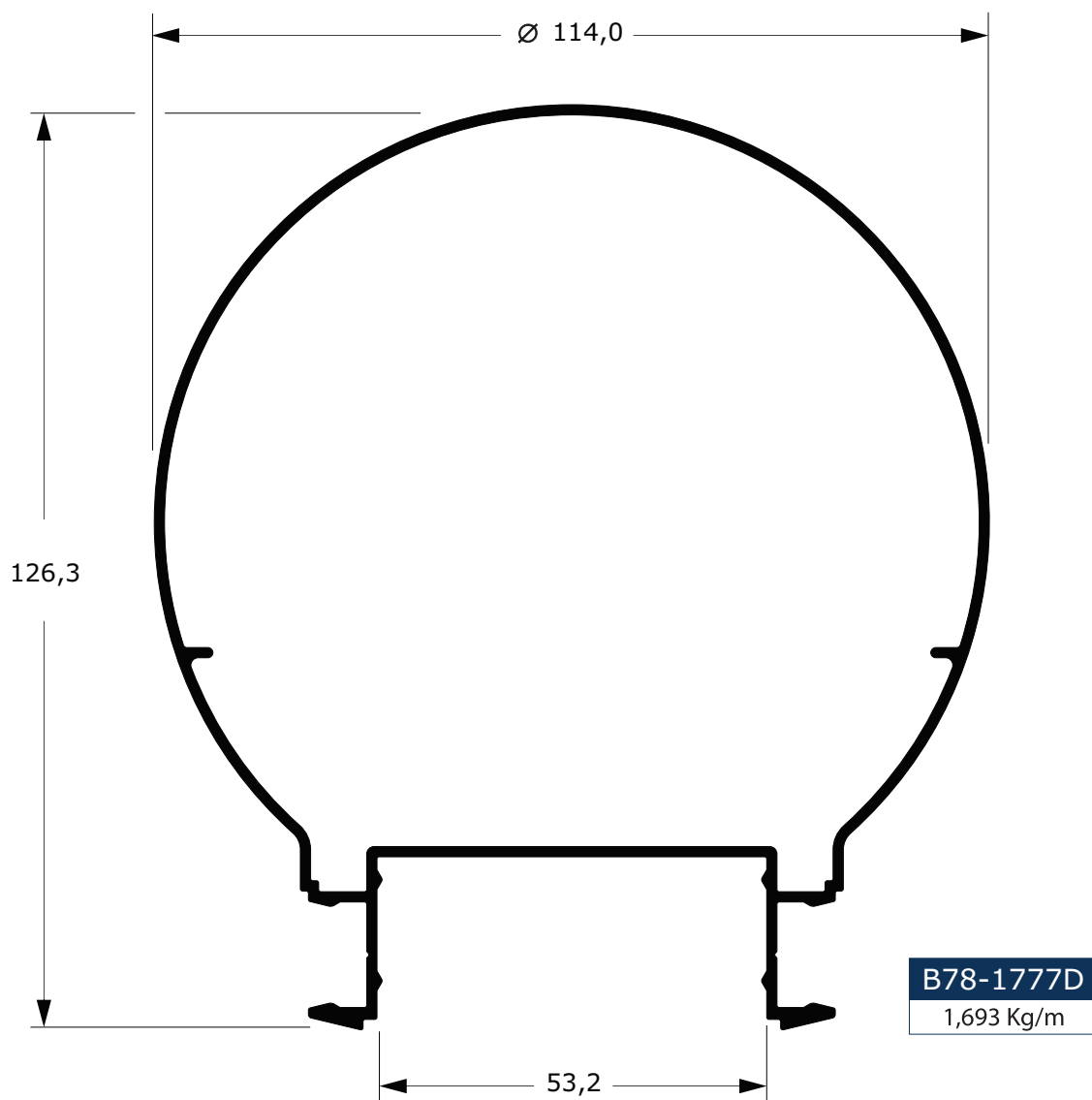
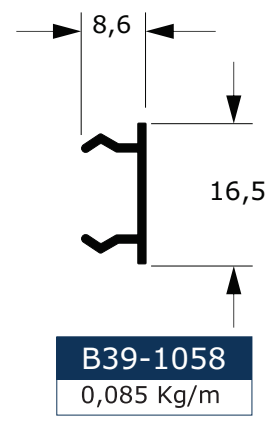
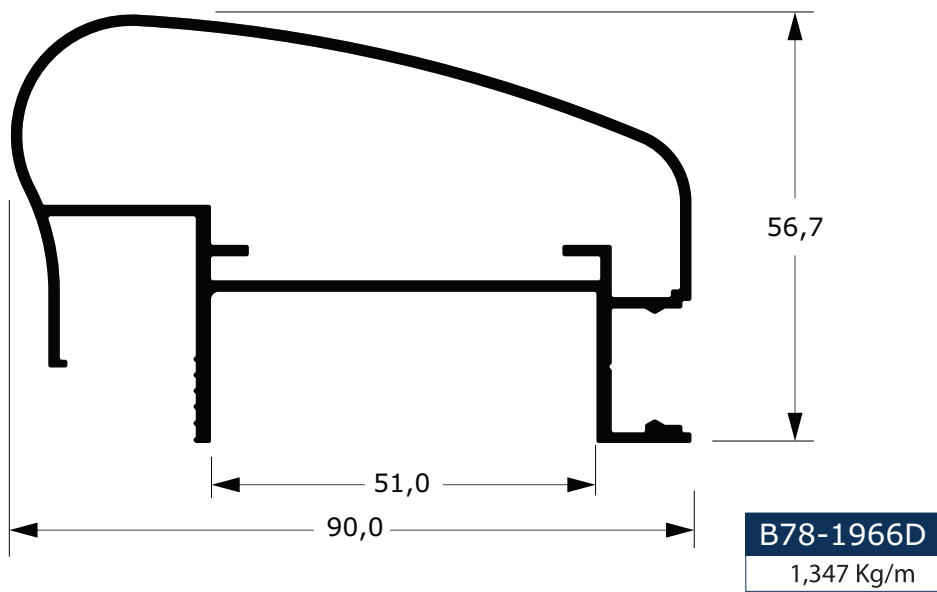
1,460 Kg/m

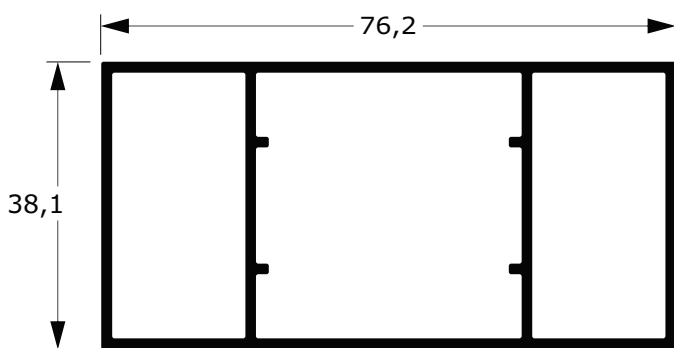
**B19-984C**

0,220 Kg/m

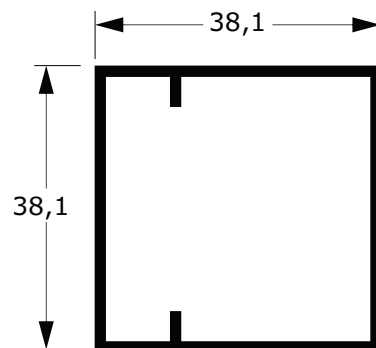
**B78-2089C**

1,270 Kg/m

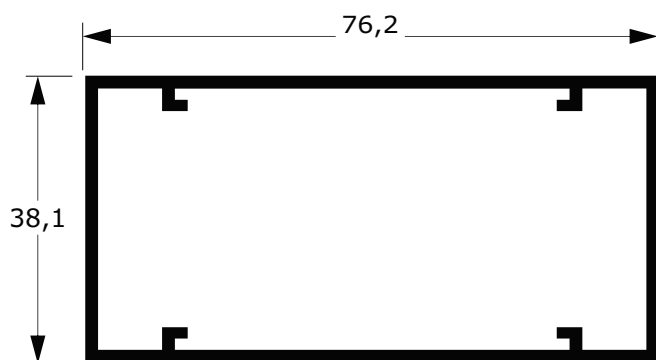




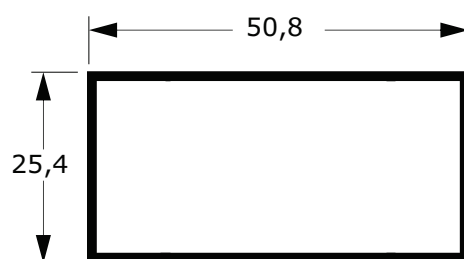
**B79-007C**  
1,168 Kg/m



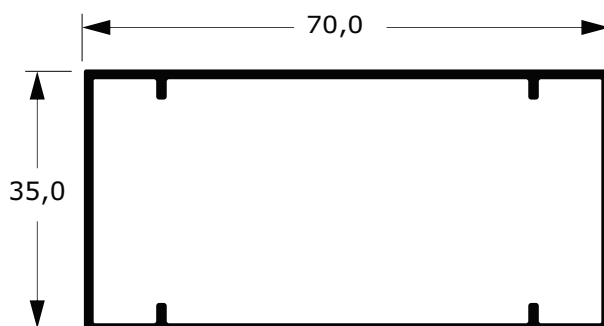
**BD-102**  
0,625 Kg/m



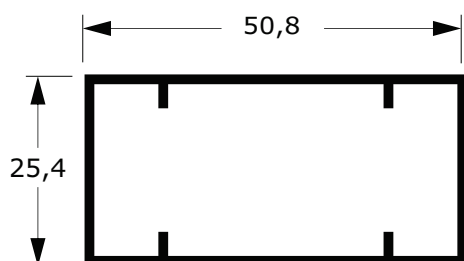
**BD-069**  
0,950 Kg/m (PC-003)



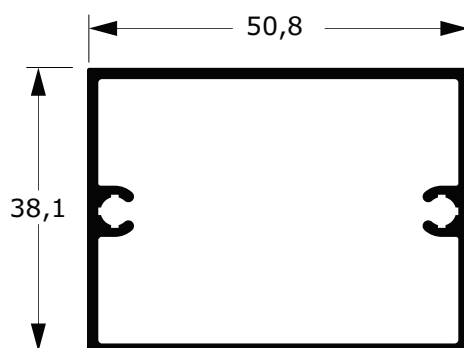
**B74-001**  
0,402 Kg/m



**B74-029**  
0,761 Kg/m

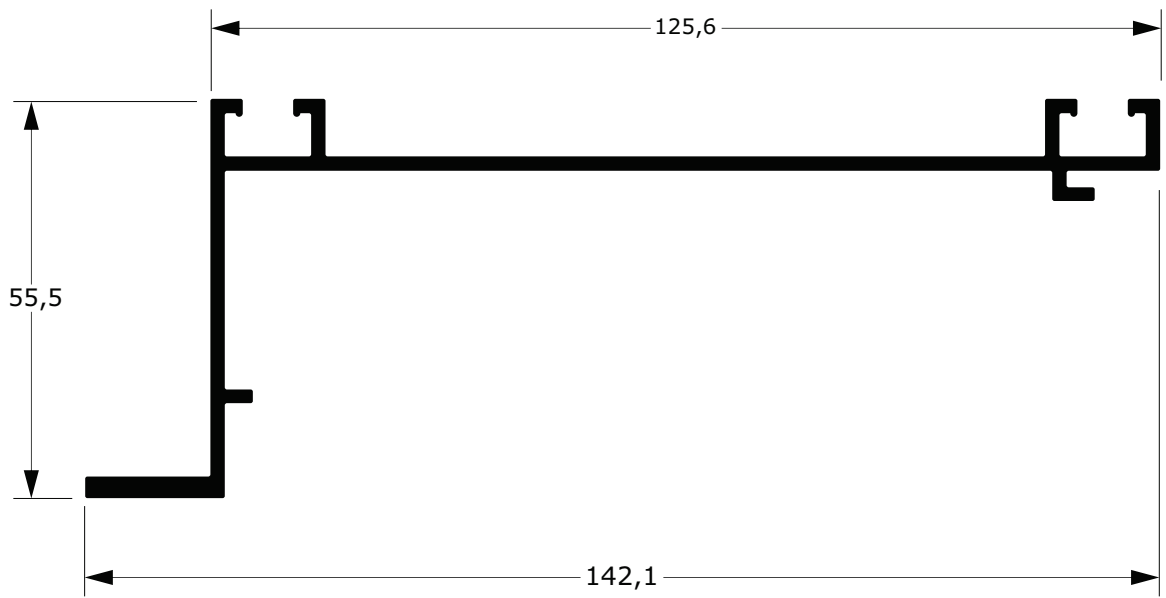


**BD-079**  
0,564 Kg/m

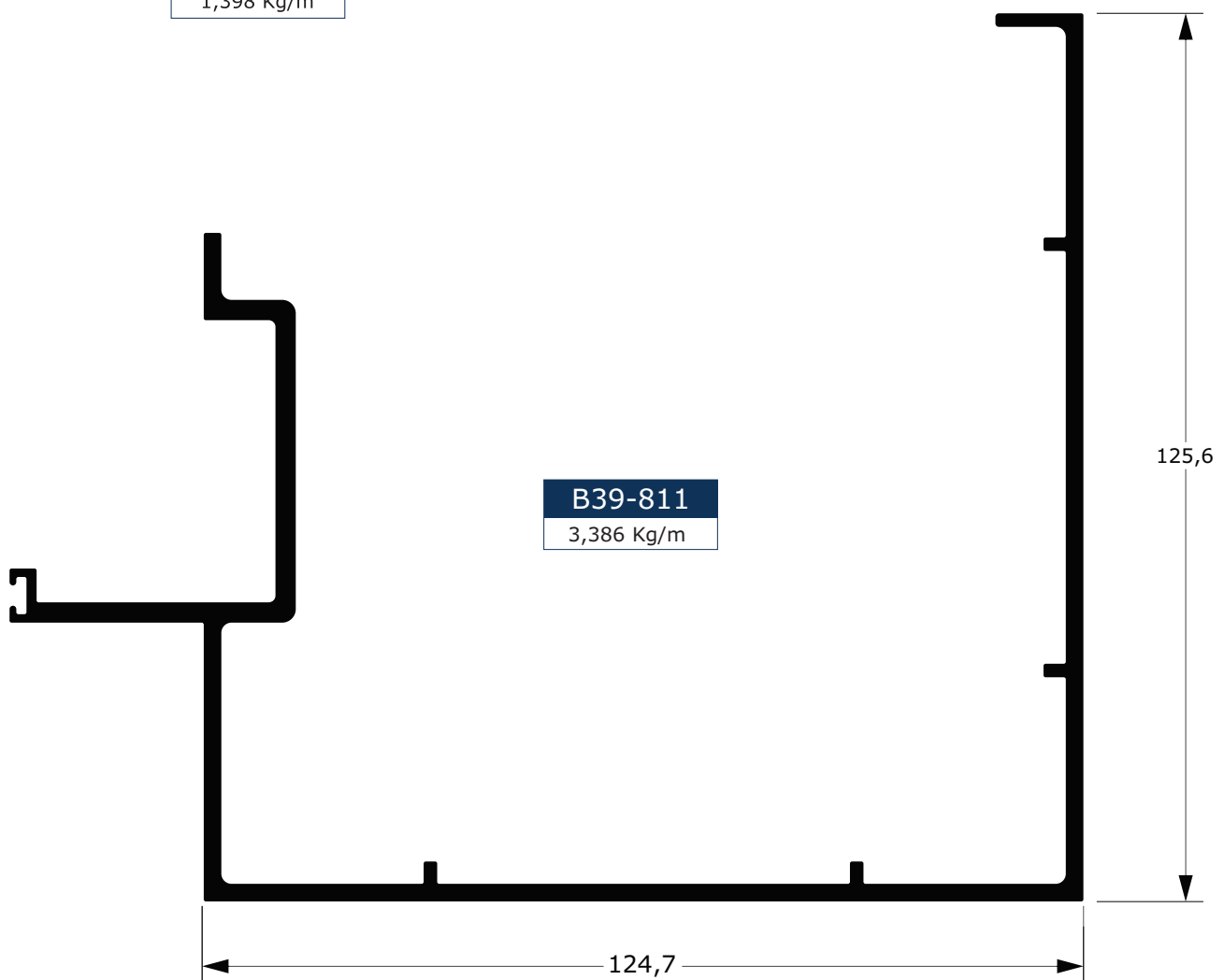


**BD-103**  
0,786 Kg/m

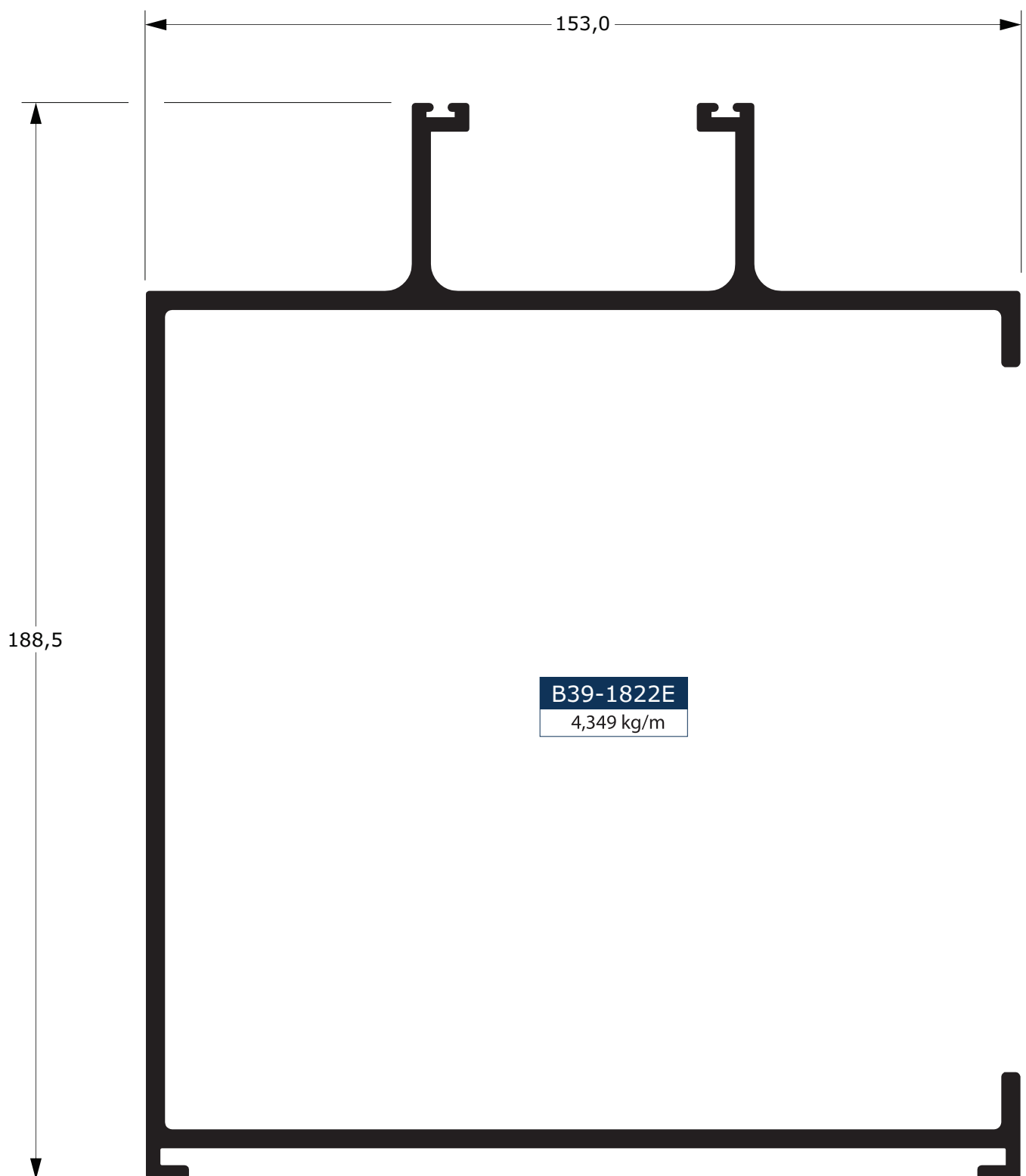


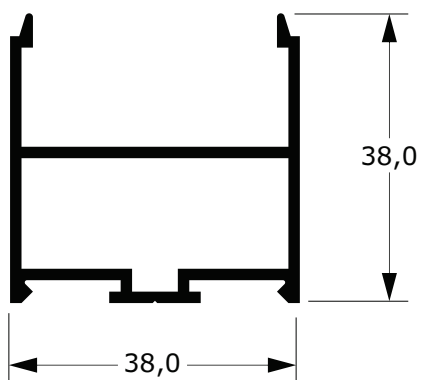


**B29-160**  
1,398 Kg/m

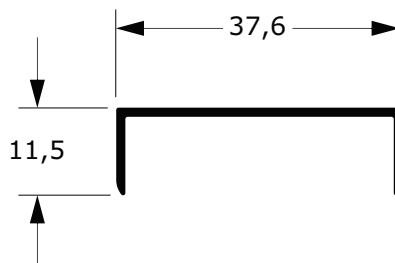


**B39-811**  
3,386 Kg/m

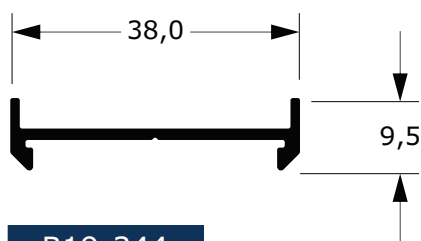




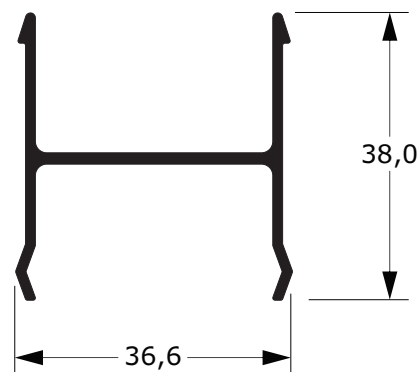
**B78-095**  
0,647 Kg/m



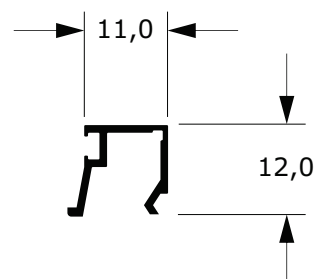
**B31-042**  
0,186 Kg/m



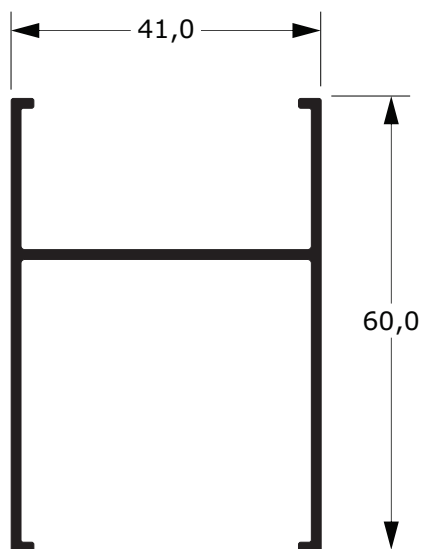
**B19-344**  
0,226 Kg/m



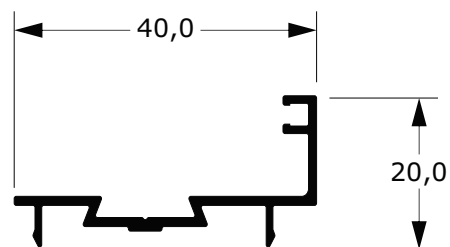
**B44-026**  
0,412 Kg/m



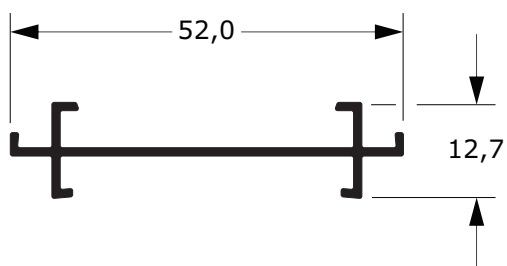
**BU-522**  
0,100 Kg/m



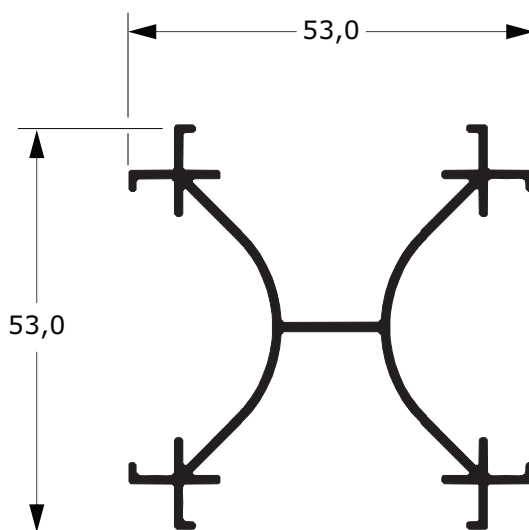
**B44-025**  
0,582 Kg/m



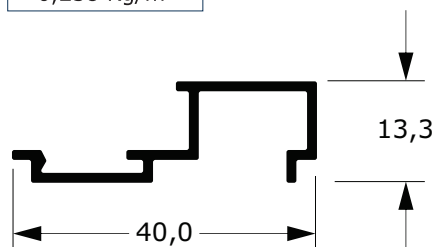
**B19-424**  
0,277 Kg/m



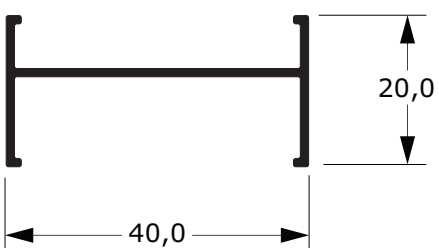
**B19-425**  
0,258 Kg/m



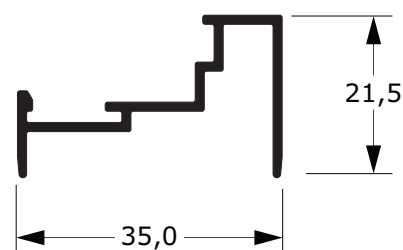
**B44-031**  
0,636 Kg/m



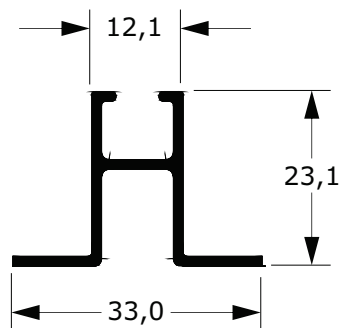
**B39-844**  
0,260 Kg/m



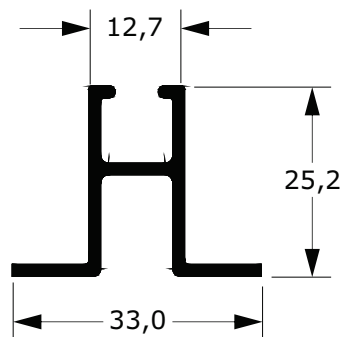
**B44-024**  
0,242 Kg/m



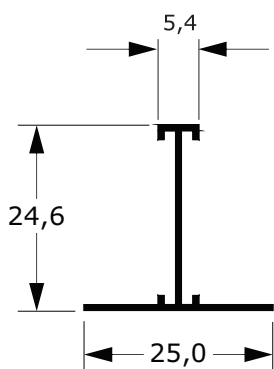
**B39-778**  
0,273 Kg/m



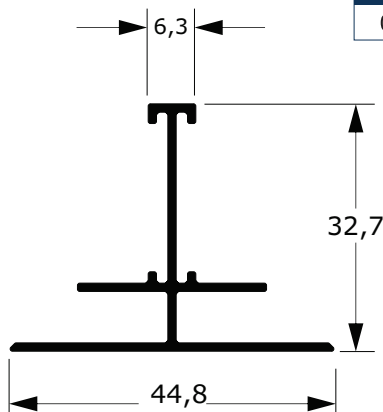
**B39-158**  
0,282 Kg/m



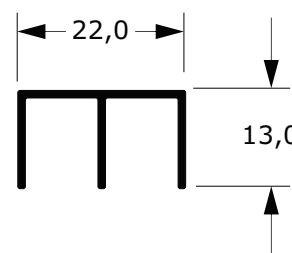
**B39-139**  
0,362 Kg/m



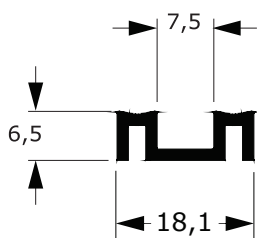
**BT-180**  
0,125 Kg/m



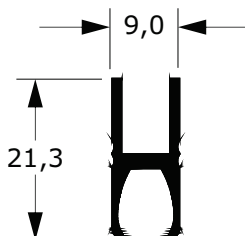
**B54-012**  
0,331 Kg/m



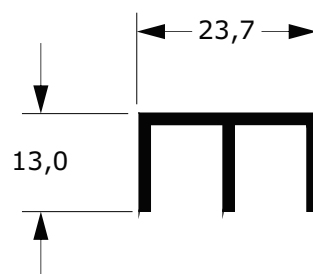
**BE-463**  
0,157 Kg/m



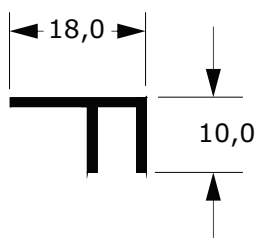
**BE-252**  
0,152 Kg/m



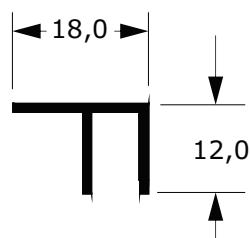
**BI-151**  
0,173 Kg/m



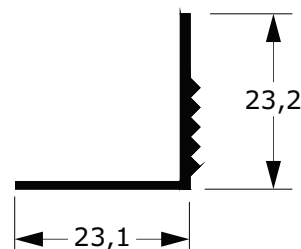
**BE-168**  
0,236 Kg/m



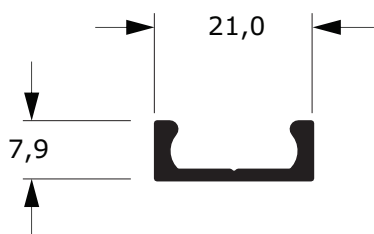
**BF-043**  
0,124 Kg/m



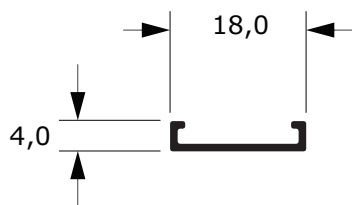
**BF-049**  
0,128 Kg/m



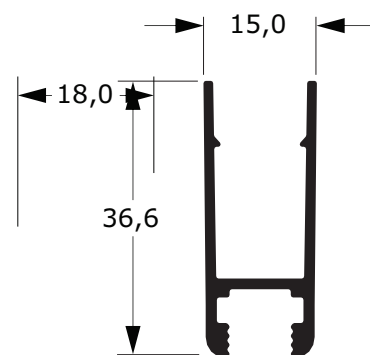
**BL-488**  
0,163 Kg/m



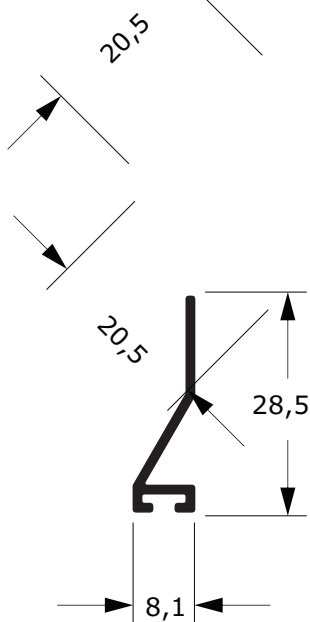
**B39-2239C**  
0,169 Kg/m  
KIT PIA



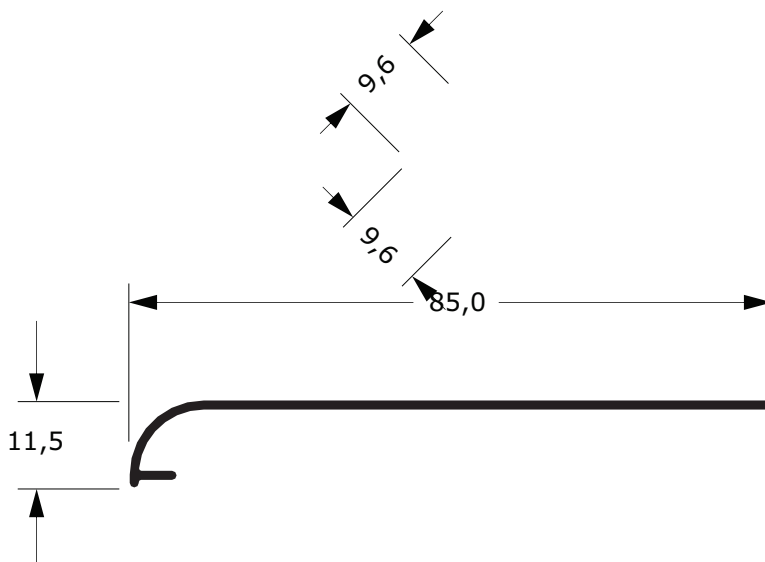
**B39-2250C**  
0,070 Kg/m  
PINAZIO



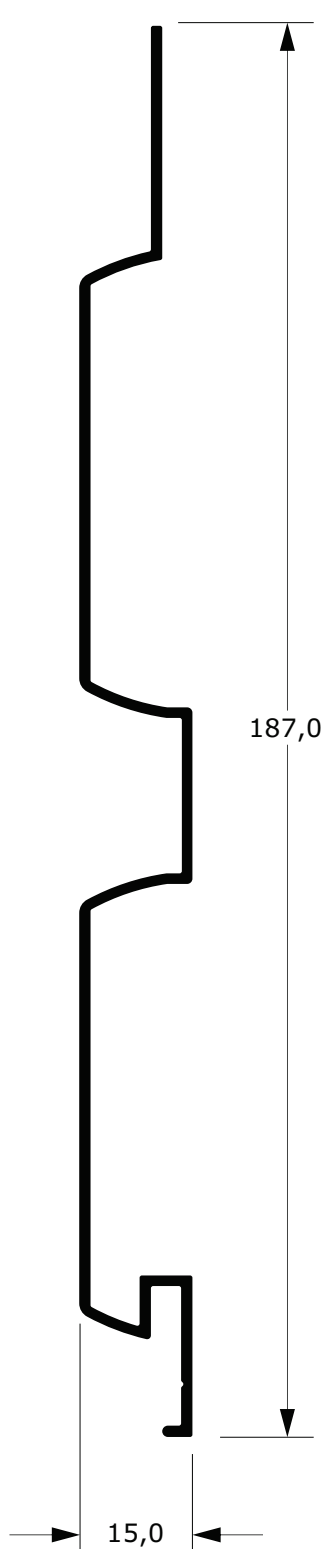
**B39-2241C**  
0,340 Kg/m  
KIT PIA



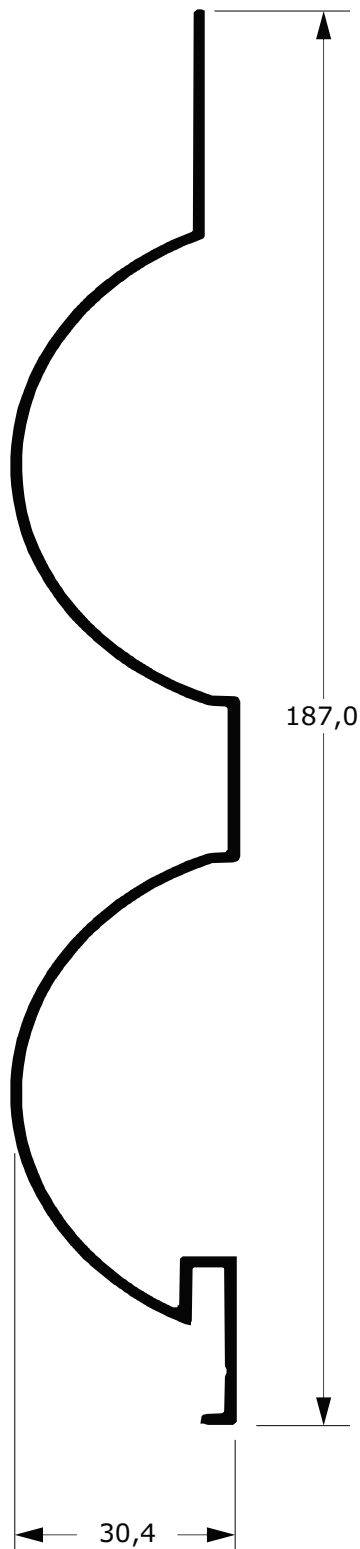
**B19-1060C**  
0,127 Kg/m  
VEDA-VENTO  
(Rodro Porta Giro)



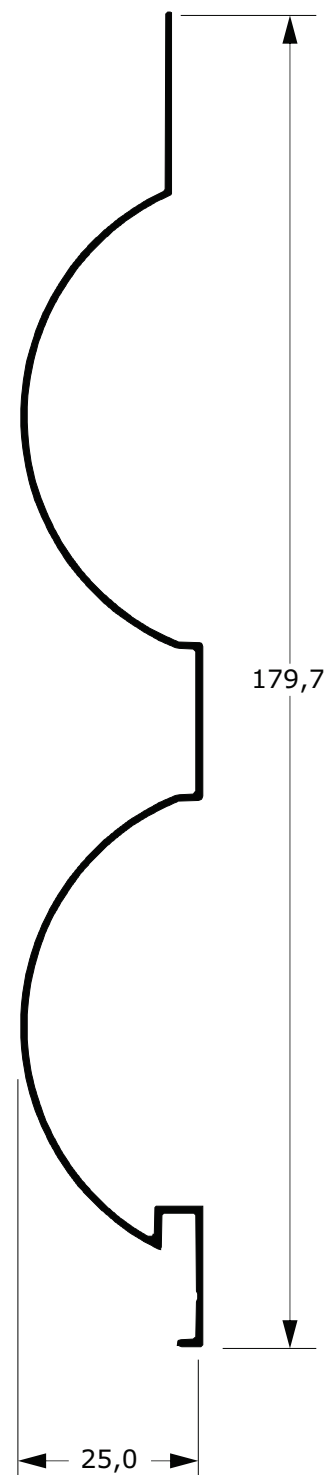
**B19-1050C**  
0,312 Kg/m  
ARREMATE  
(Soleira)

**B19-375**

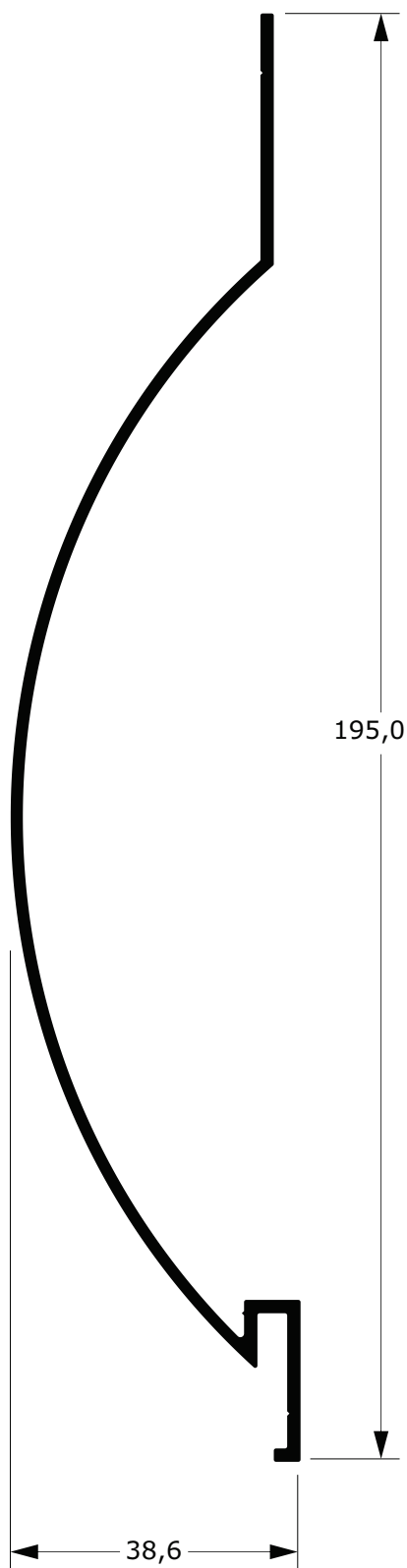
0,959 Kg/m

**B19-248**

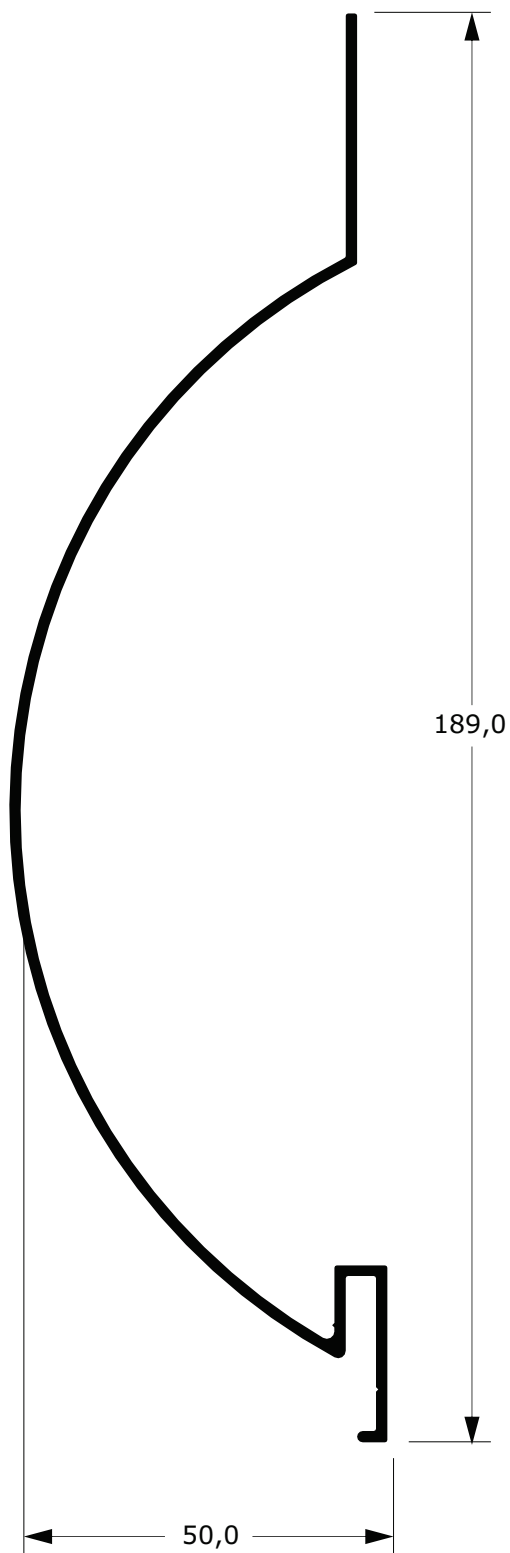
1,020 Kg/m

**B19-575**

0,892 Kg/m

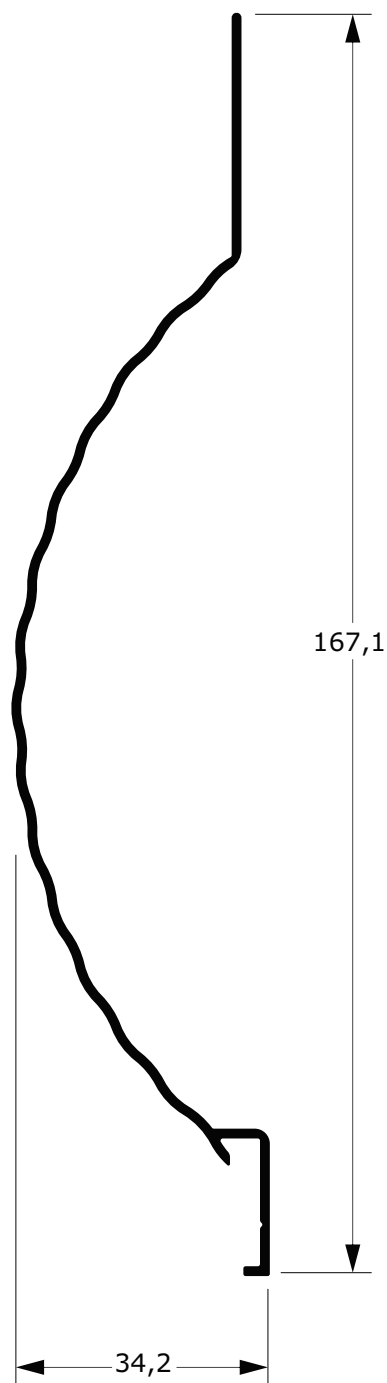
**B19-186**

0,890 Kg/m

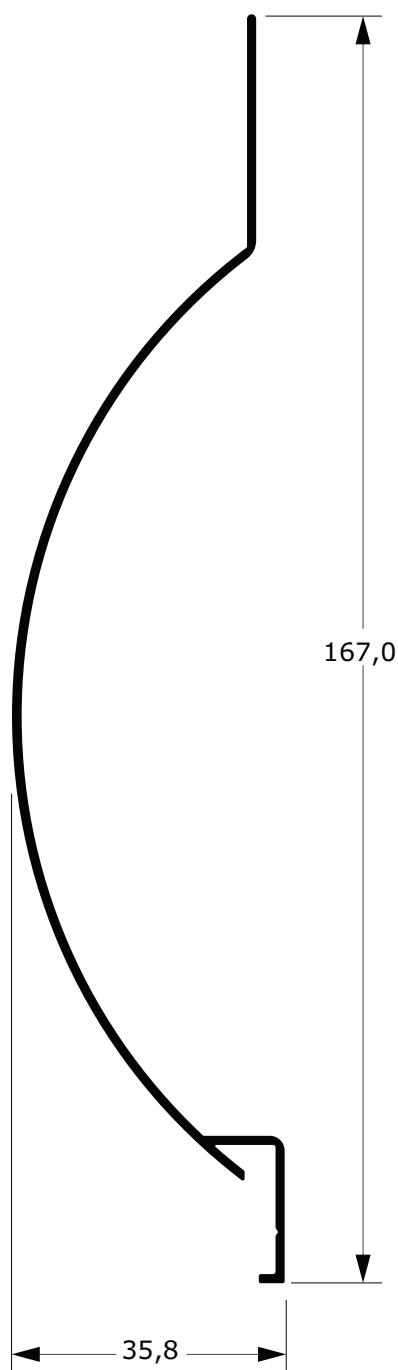
**BLB-038**

0,970 Kg/m

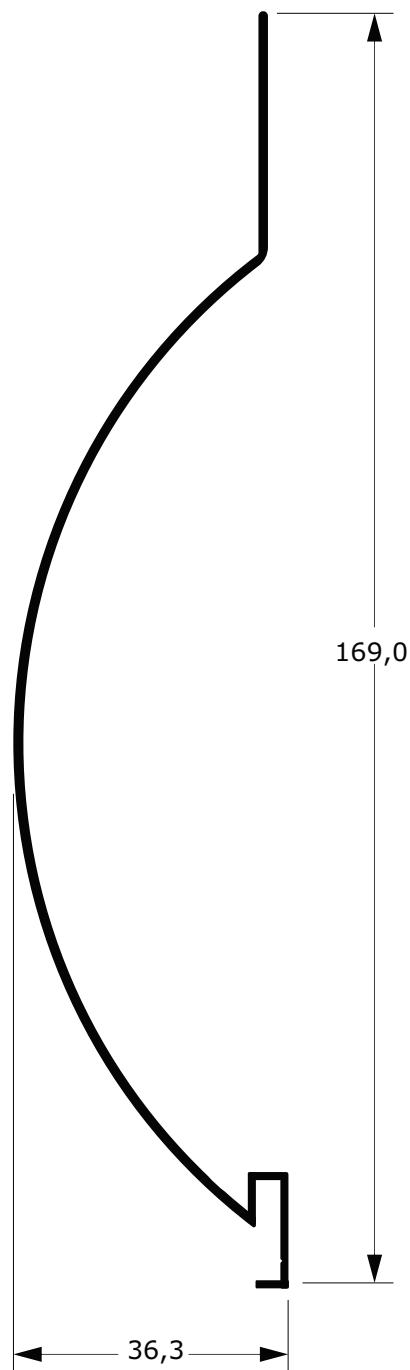


**B19-650C**

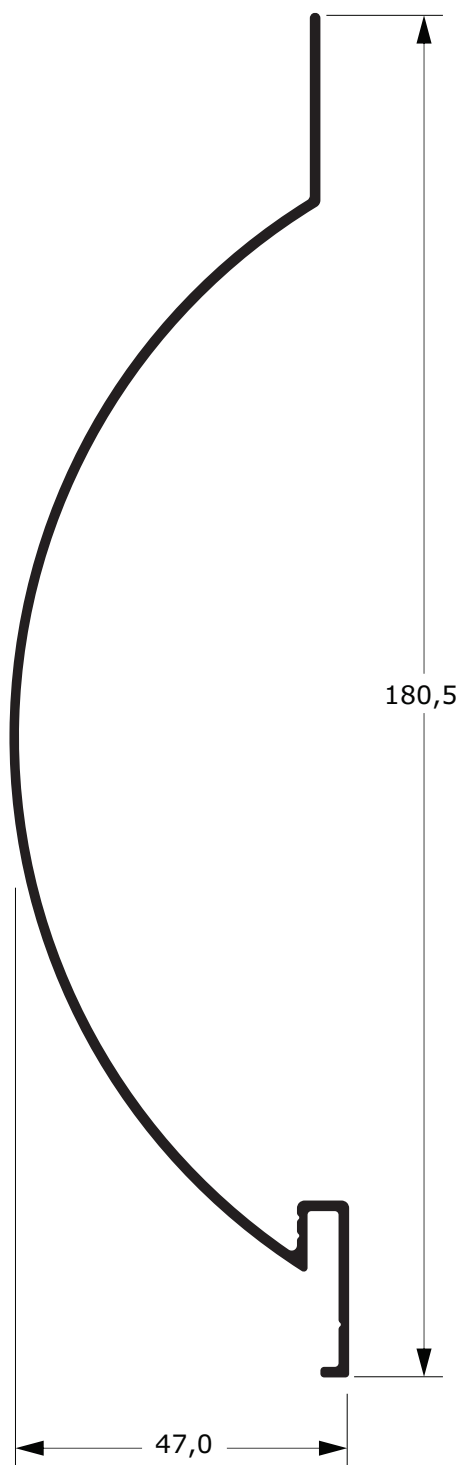
0,692 kg/m

**B19-652C**

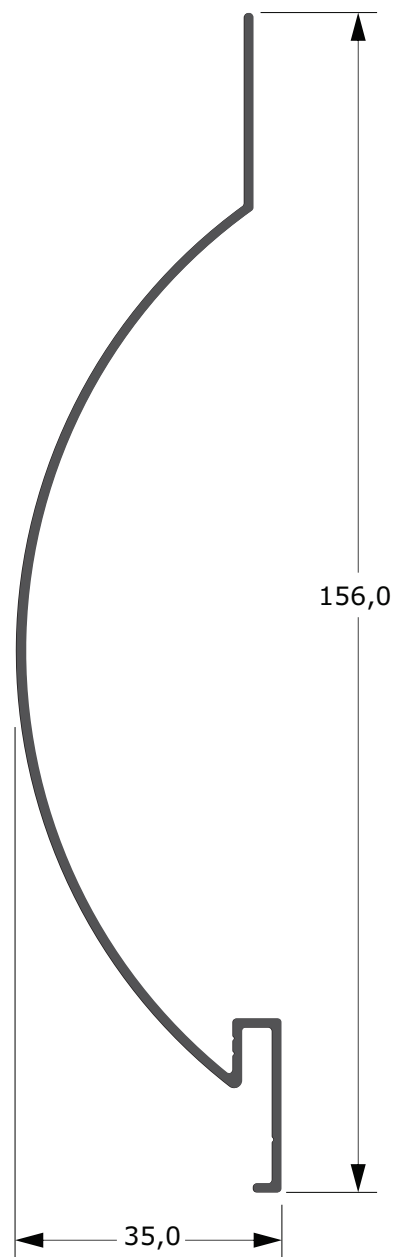
0,655 kg/m

**B19-505C**

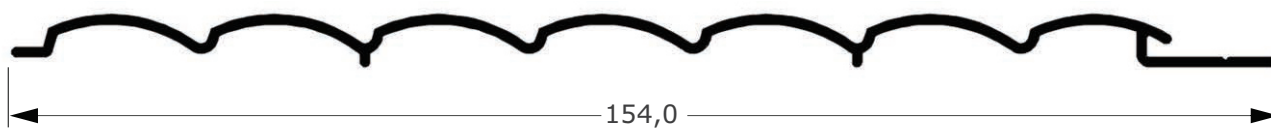
0,723 Kg/m

**B19-702C**

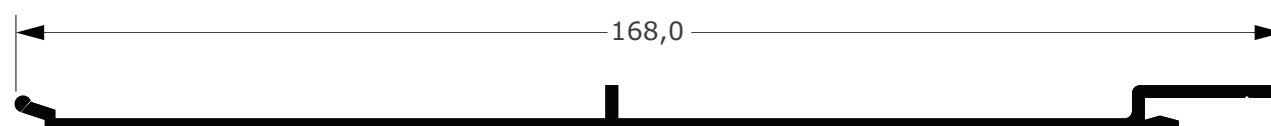
0,874 Kg/m

**B19-703C**

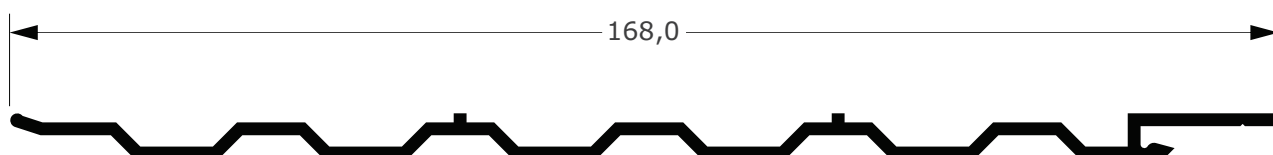
0,645 Kg/m

**BY-360**

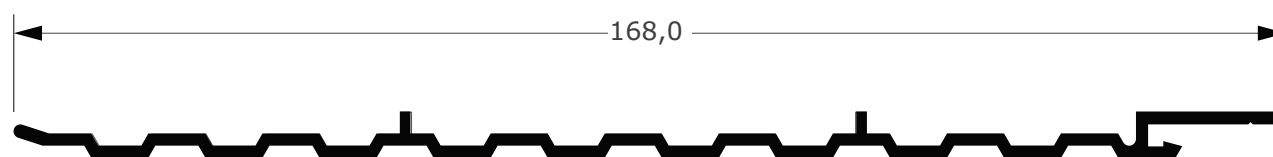
0,533 Kg/m

**BY-335**

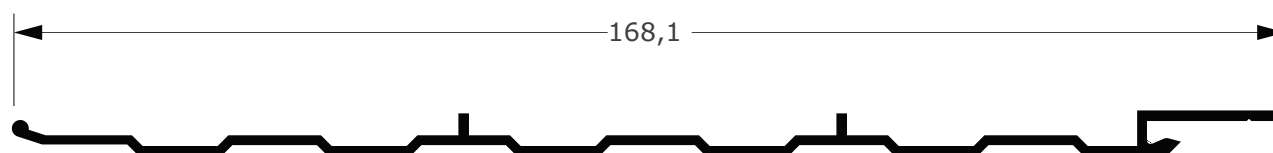
0,723 Kg/m

**BY-354**

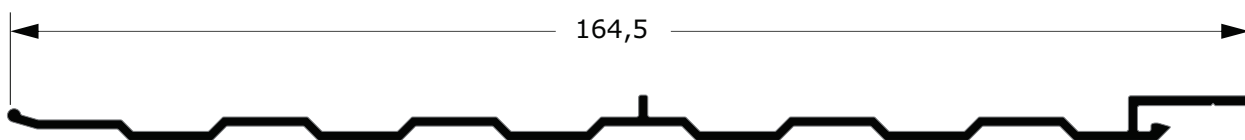
0,866 Kg/m

**BY-355**

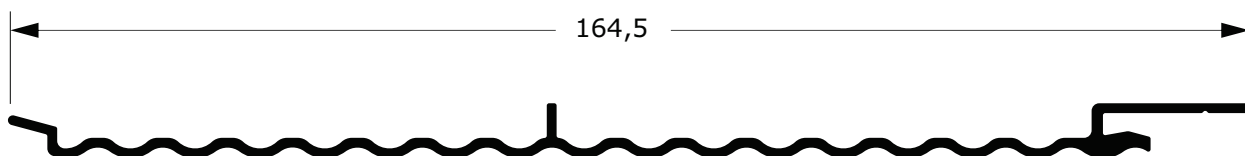
0,872 Kg/m

**BY-429**

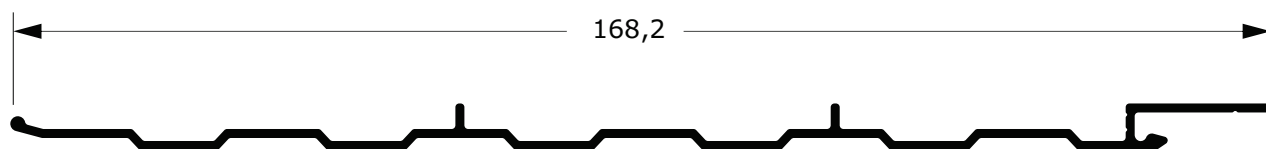
0,684 Kg/m

**BY-429A**

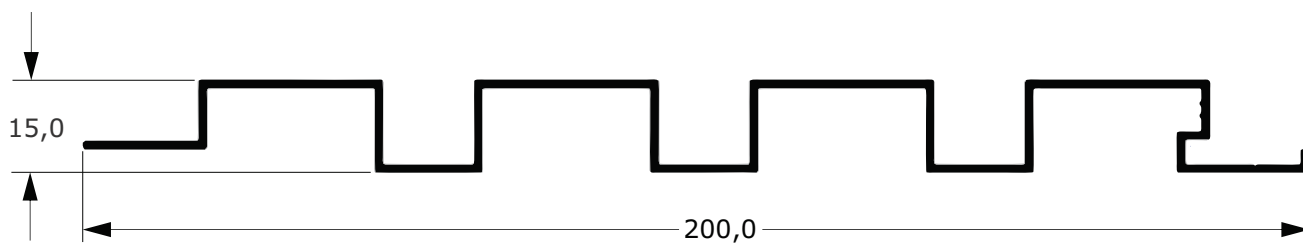
0,609 Kg/m

**B19-451**

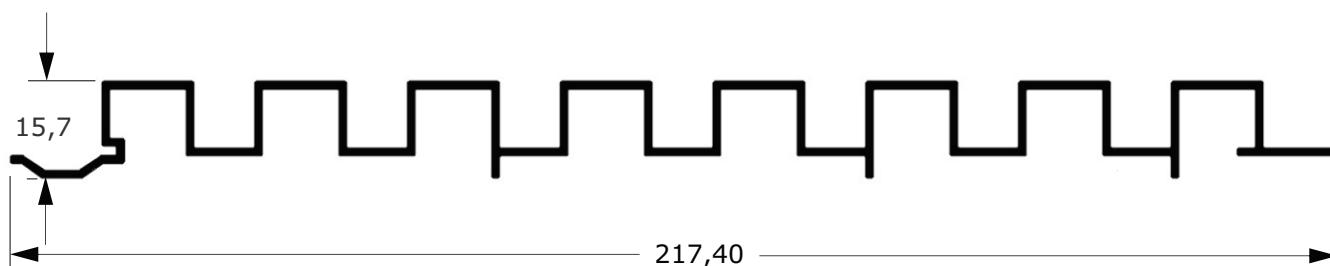
0,720 Kg/m

**B19-704C**

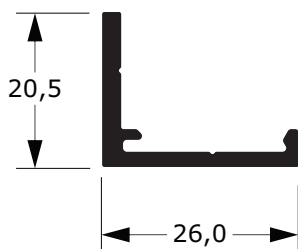
0,631 Kg/m

**B19-1078D**

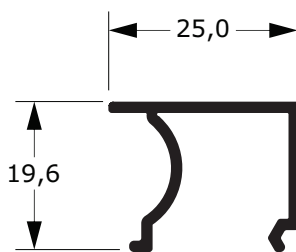
1,030 Kg/m

**B19-1120E**

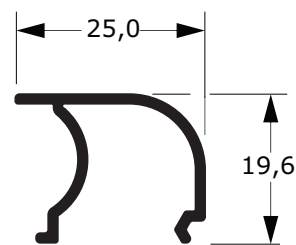
1,343 Kg/m



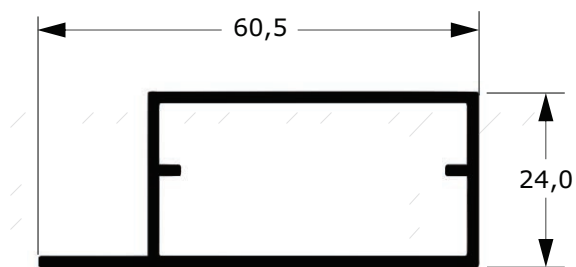
**B29-317C**  
0,290 Kg/m



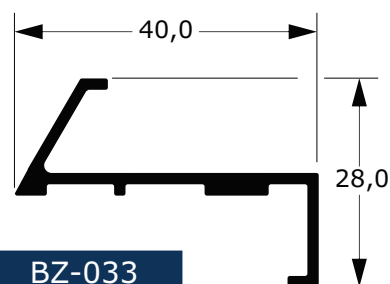
**B39-2073C**  
0,219 Kg/m



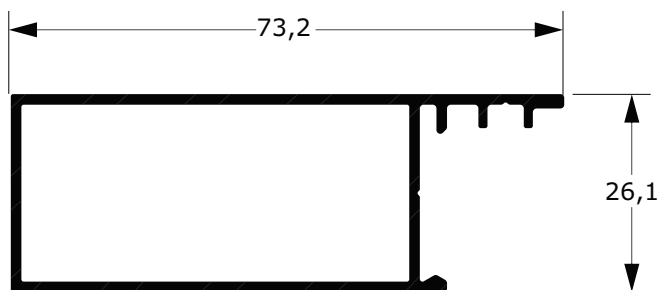
**B39-2074C**  
0,206 Kg/m



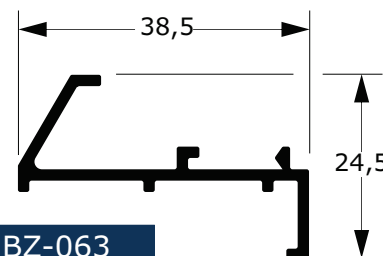
**B78-2391D**  
0,626 kg/m



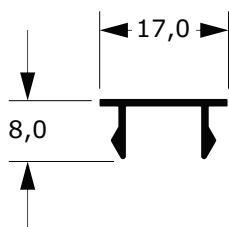
**BZ-033**  
0,351 Kg/m



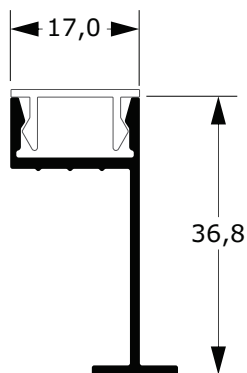
**B78-2070C**  
0,717 Kg/m



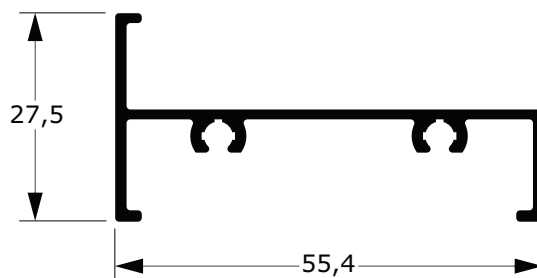
**BZ-063**  
0,325 Kg/m



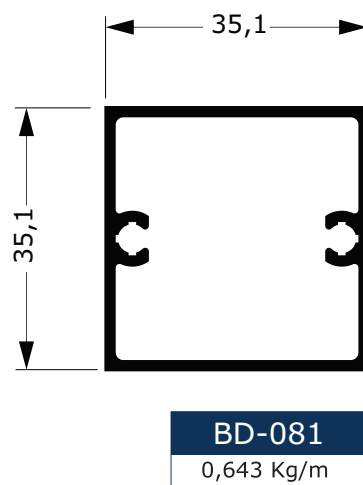
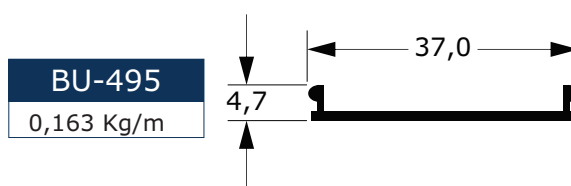
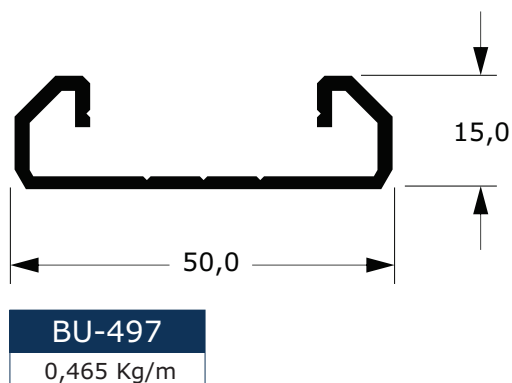
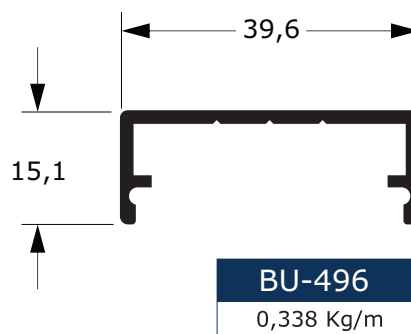
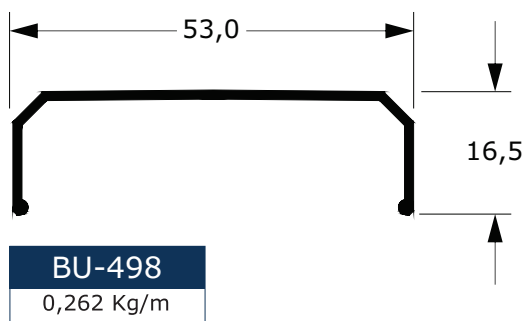
**BU-491**  
0,093 Kg/m



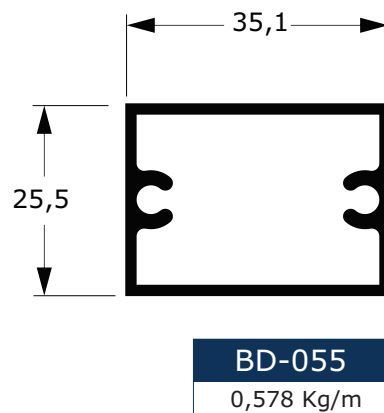
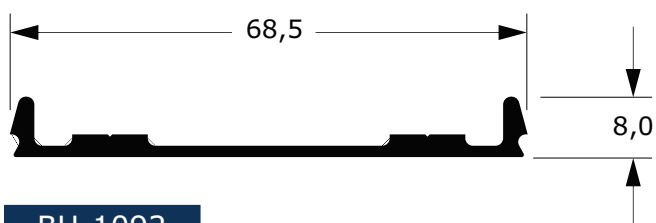
**B50-018**  
0,263 Kg/m

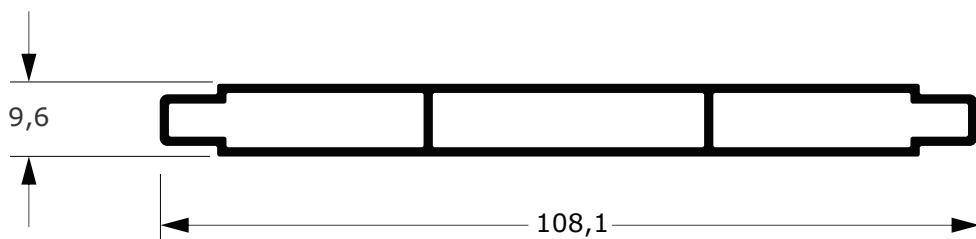


**B39-1134C**  
0,470 kg/m

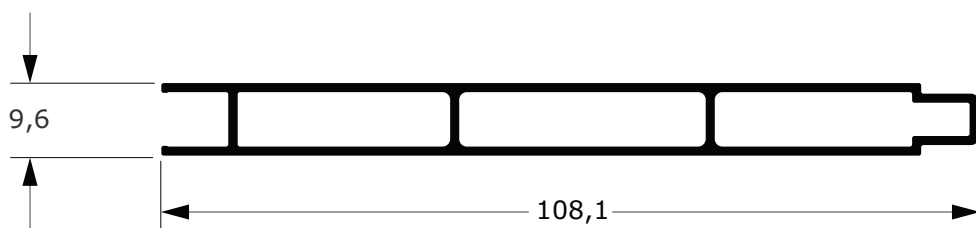


**B39-081**  
0,775 Kg/m

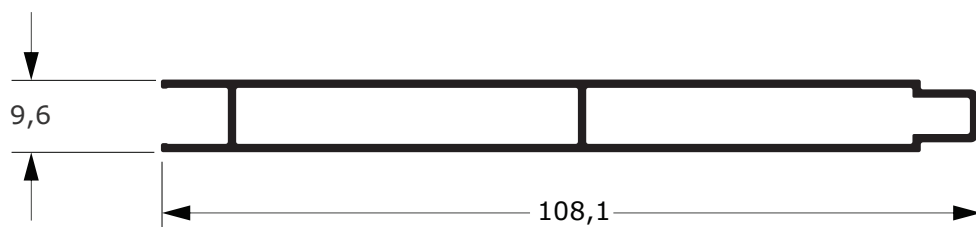




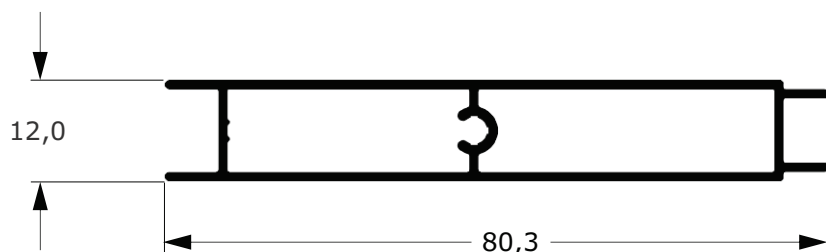
**B78-1958D**  
0,795 Kg/m



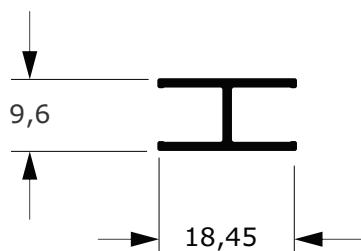
**B78-1873C**  
0,805 Kg/m



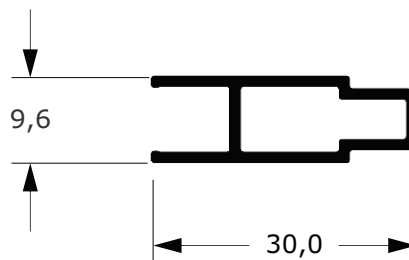
**B79-089C**  
0,710 Kg/m



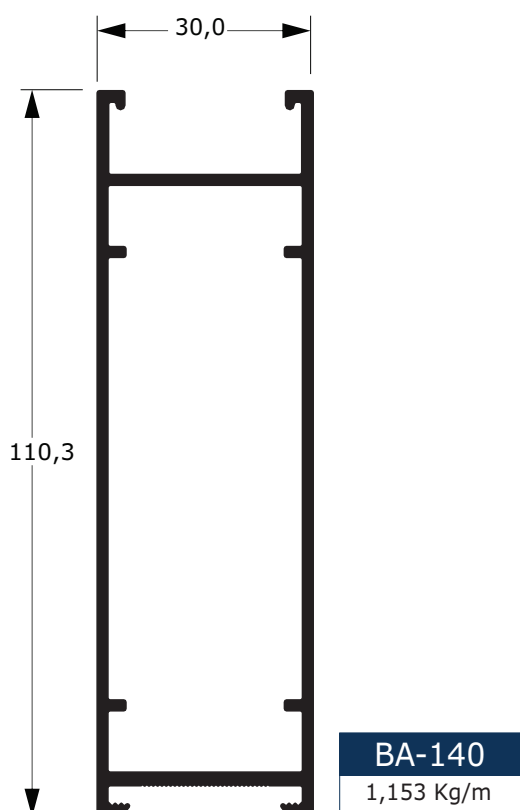
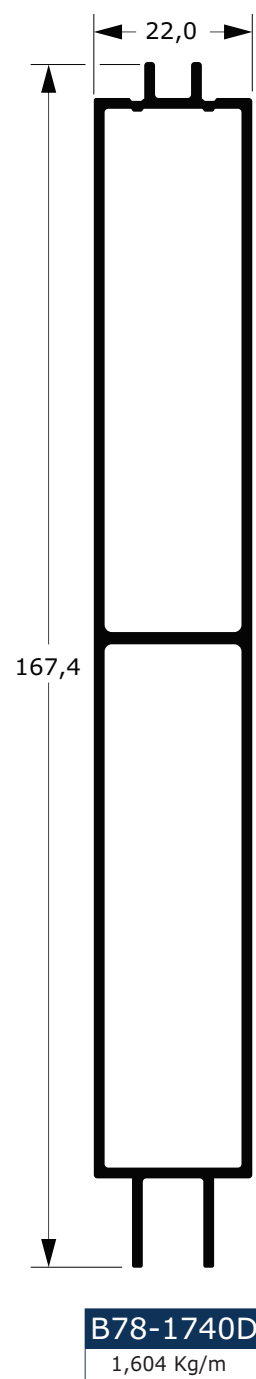
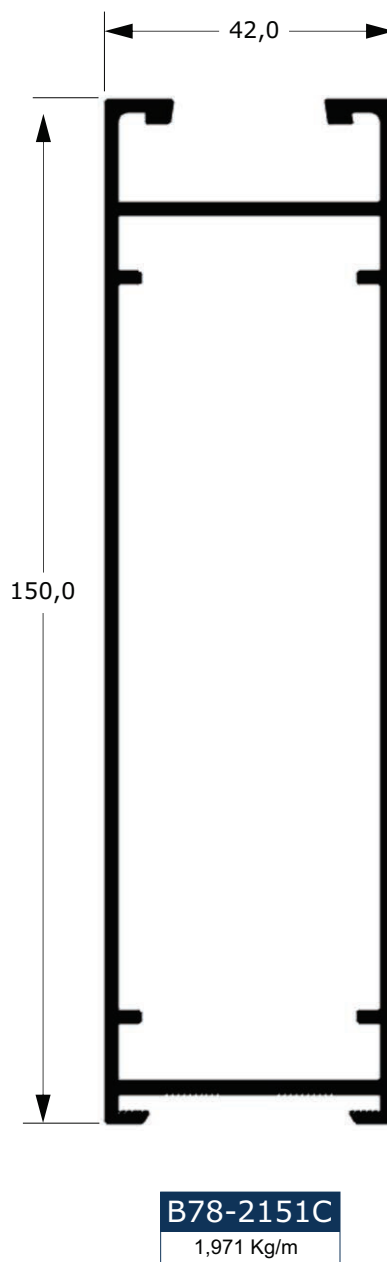
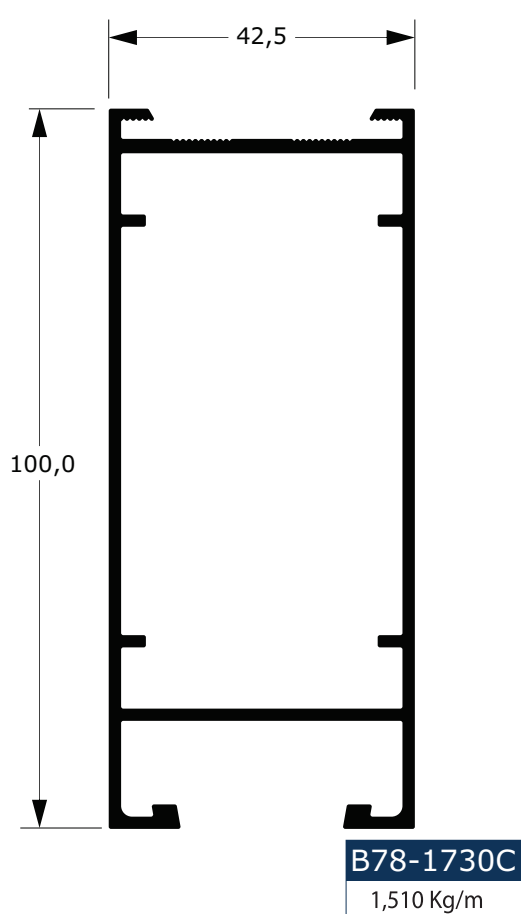
**B79-025C**  
0,536 Kg/m



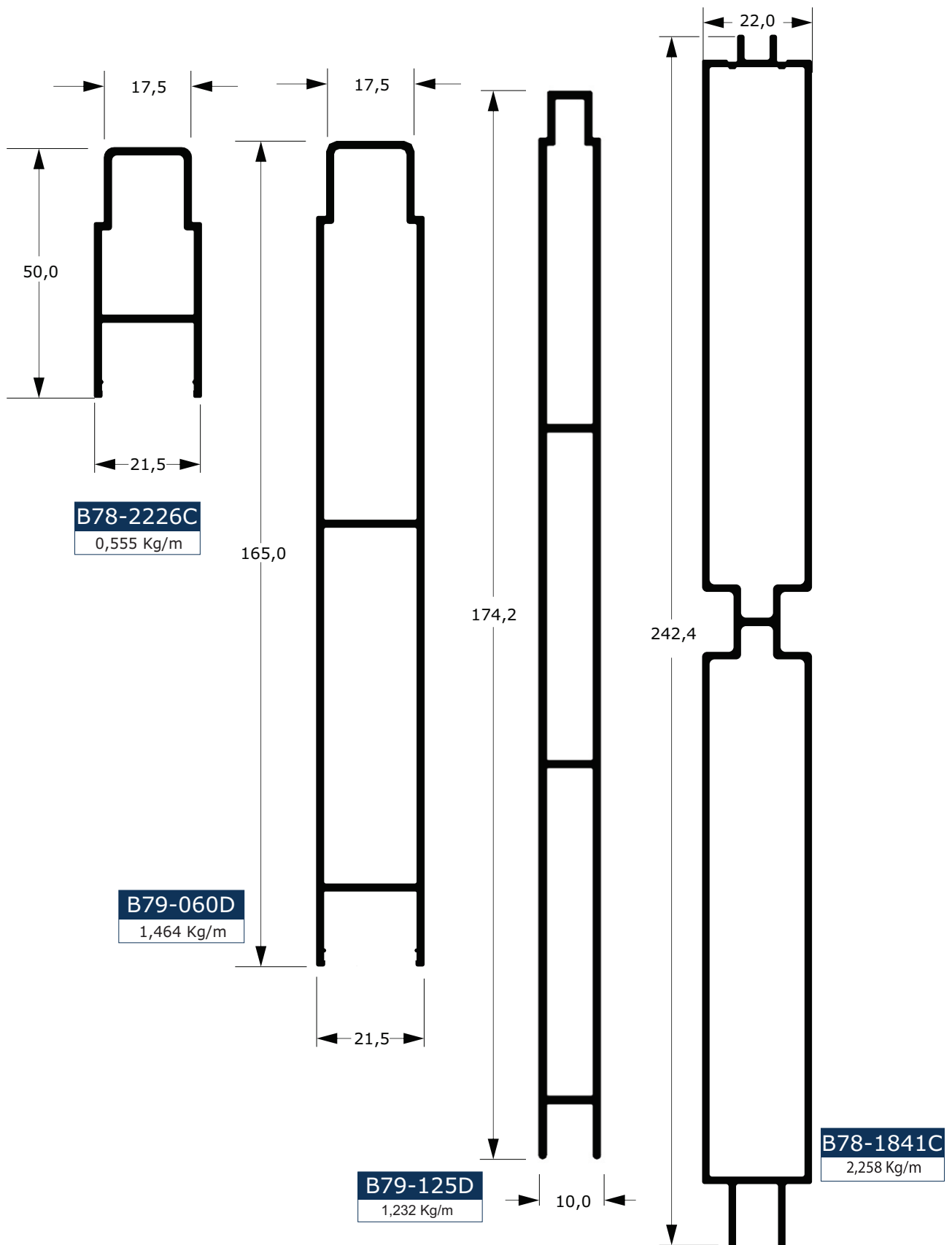
**B39-2072C**  
0,145 Kg/m

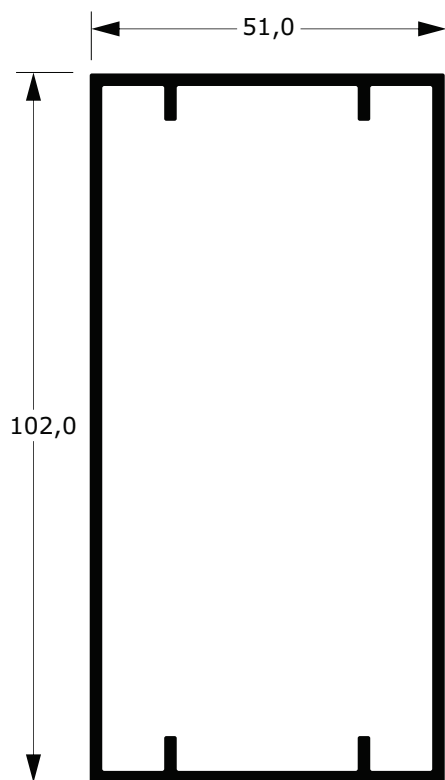


**B78-2302C**  
0,242 Kg/m

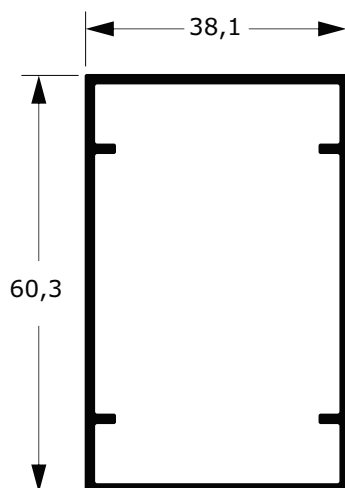




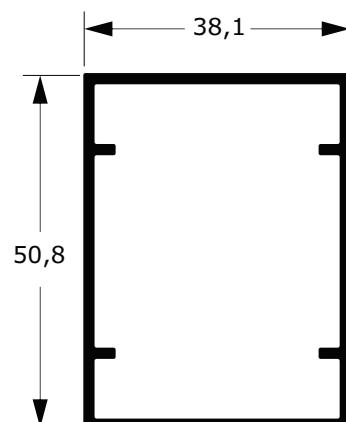




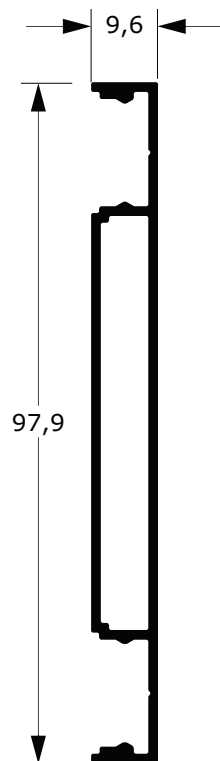
**B78-719**  
1,555 Kg/m



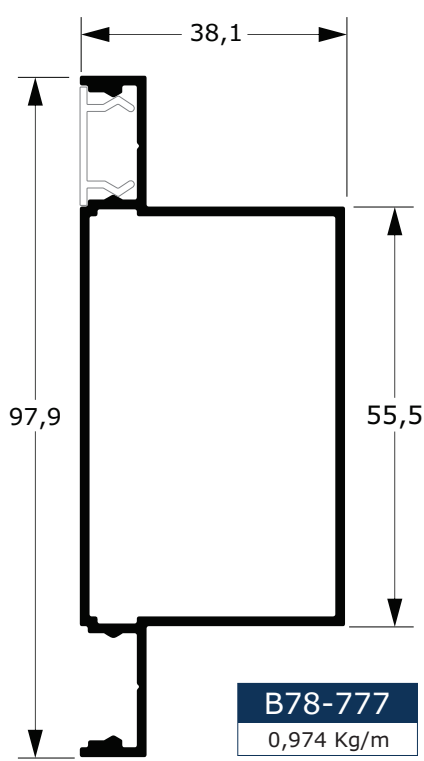
**B78-001**  
0,824 Kg/m



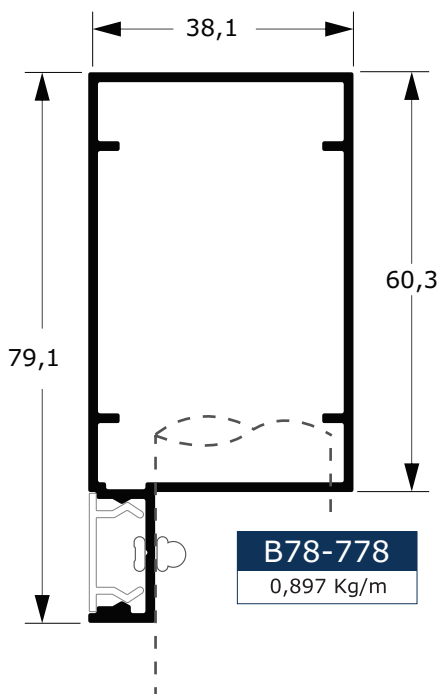
**BD-078**  
0,795 Kg/m



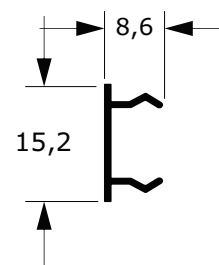
**B78-1651C**  
0,758 Kg/m



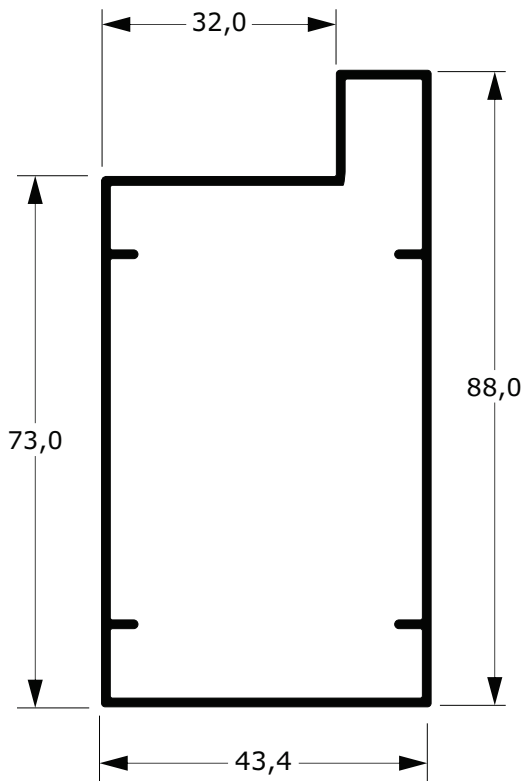
**B78-777**  
0,974 Kg/m



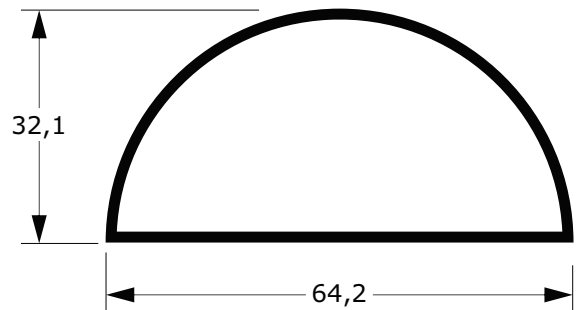
**B78-778**  
0,897 Kg/m



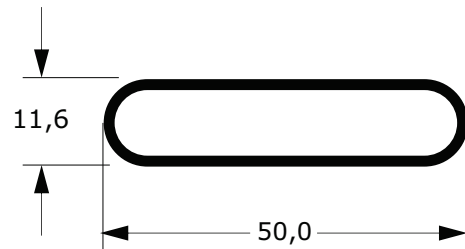
**B39-1058**  
0,085 Kg/m



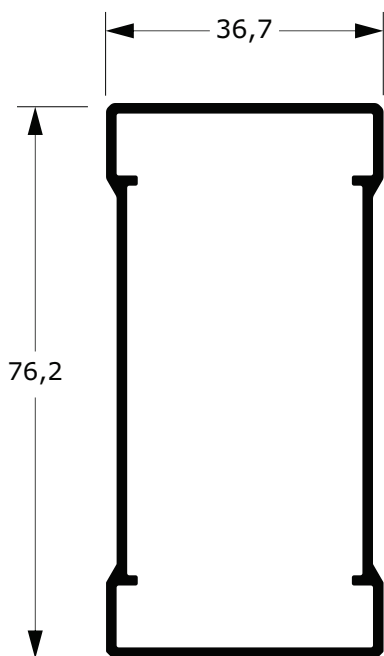
**B78-140**  
1,030 Kg/m



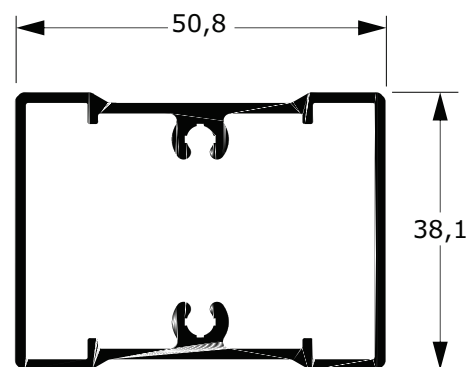
**B78-081**  
0,646 Kg/m



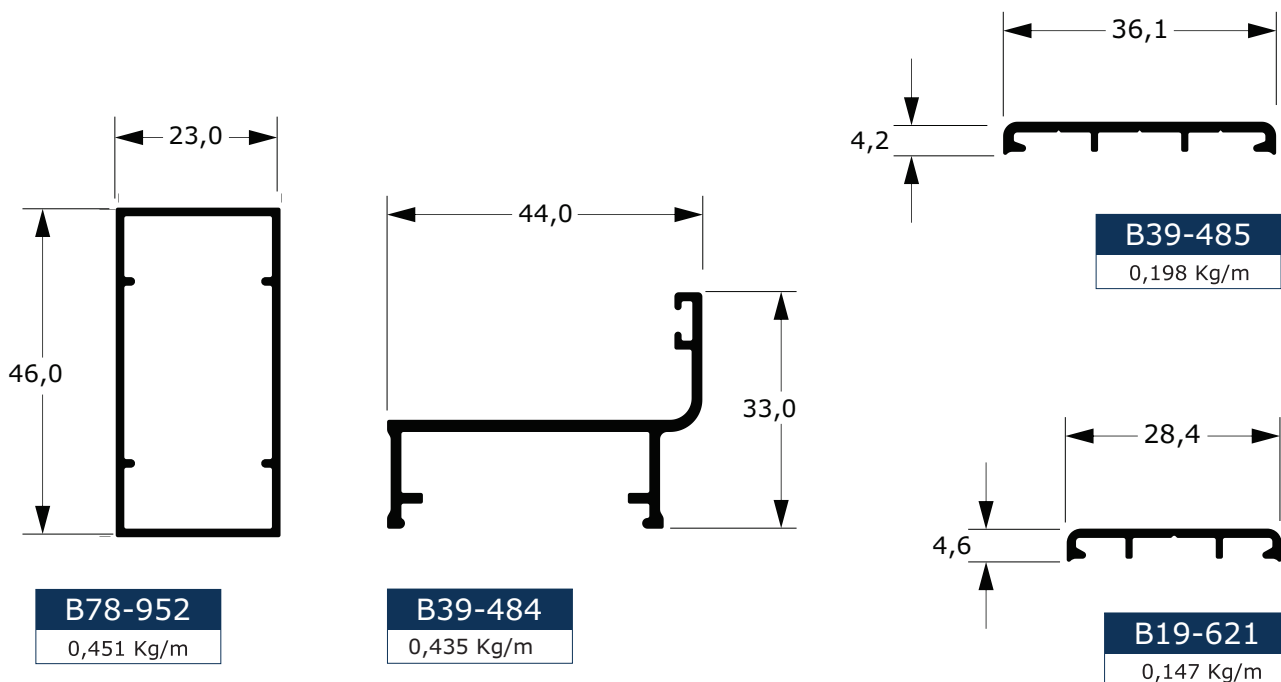
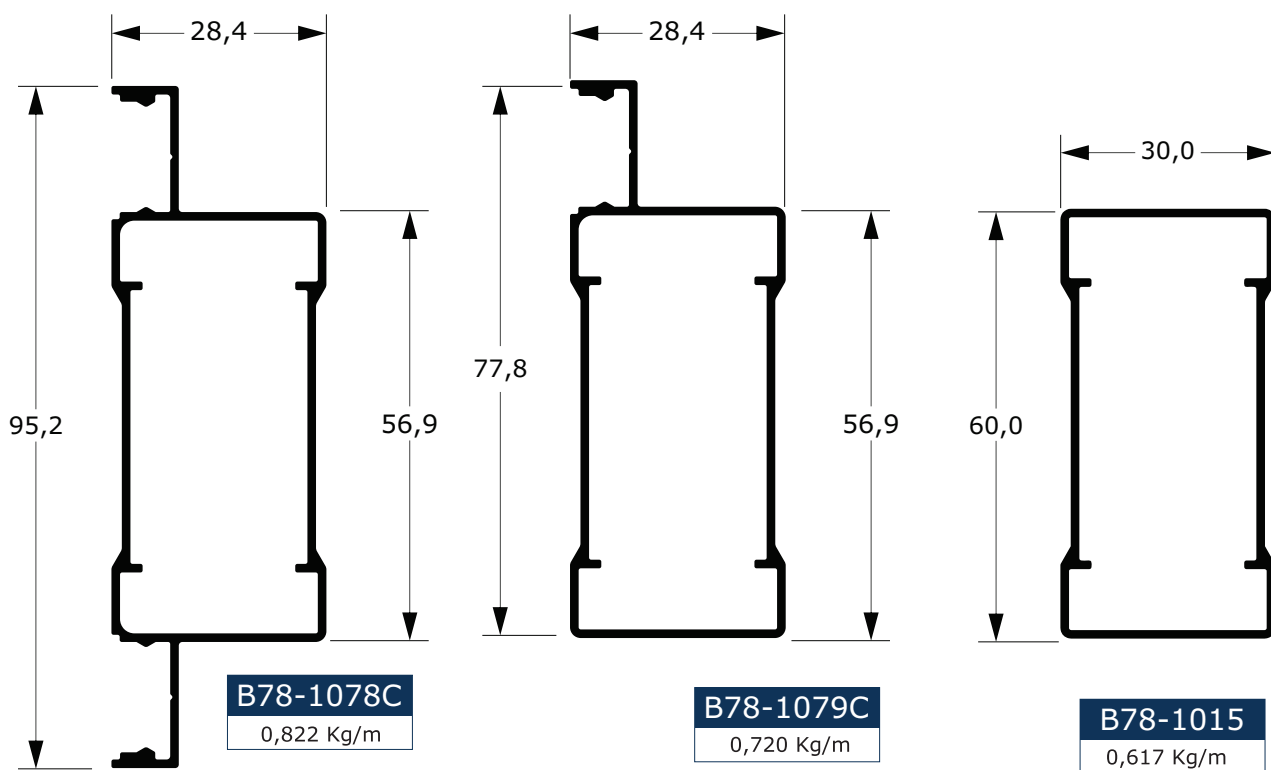
**B75-008**  
0,443 kg/m

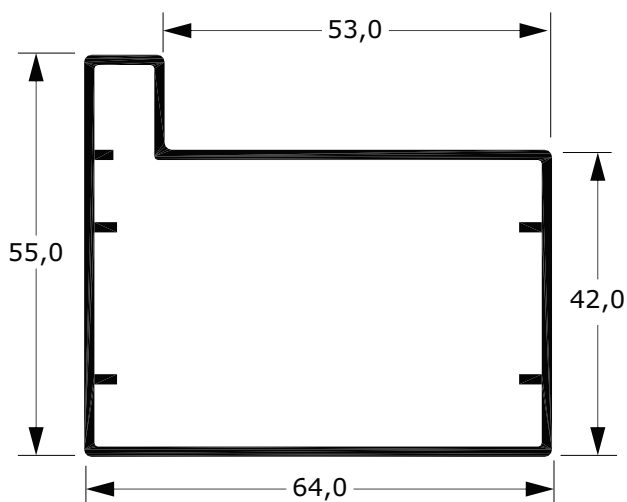


**B78-383**  
0,920 Kg/m

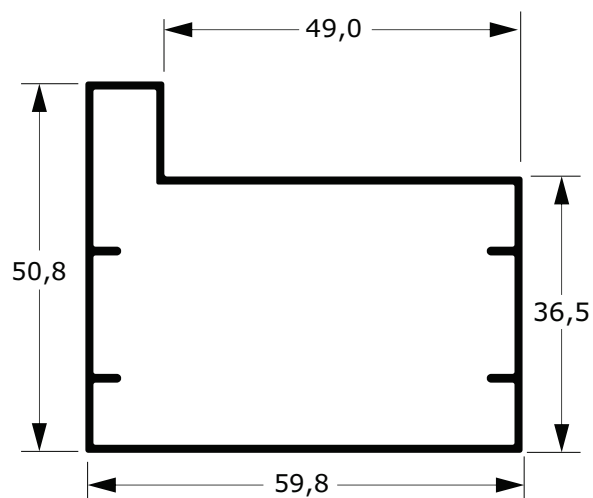


**B78-384**  
0,882 Kg/m

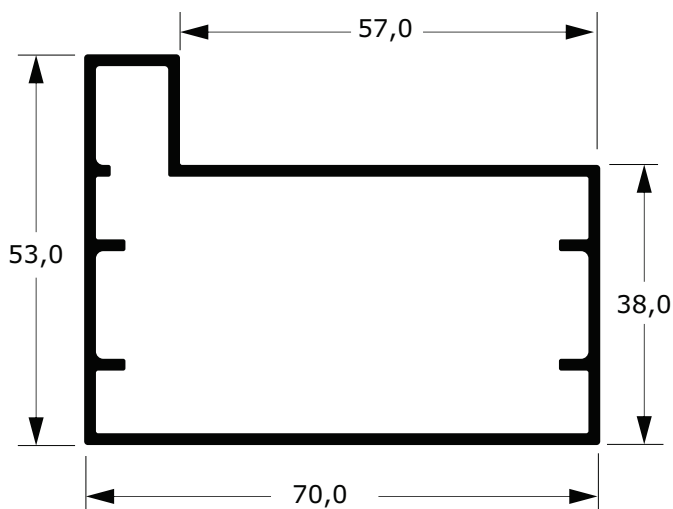




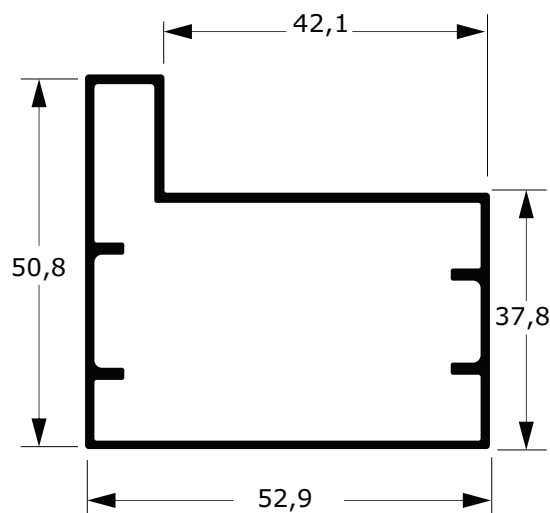
**B78-137**  
0,926 Kg/m



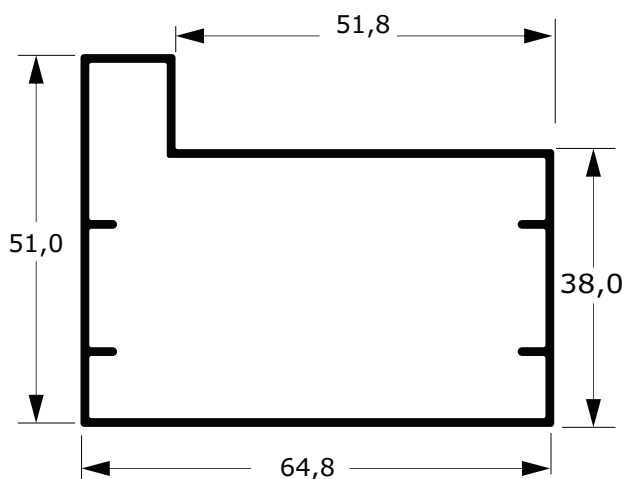
**B78-947**  
0,694 Kg/m



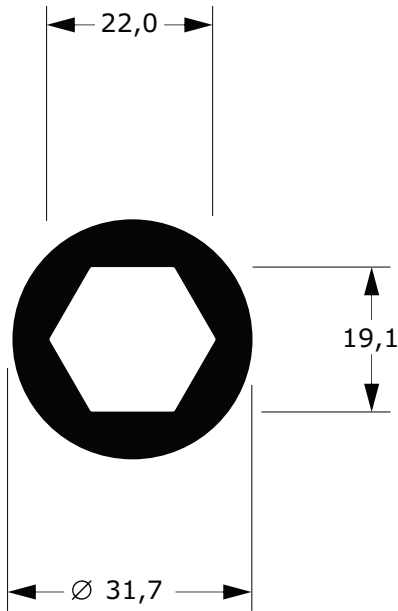
**B78-484**  
1,119 Kg/m



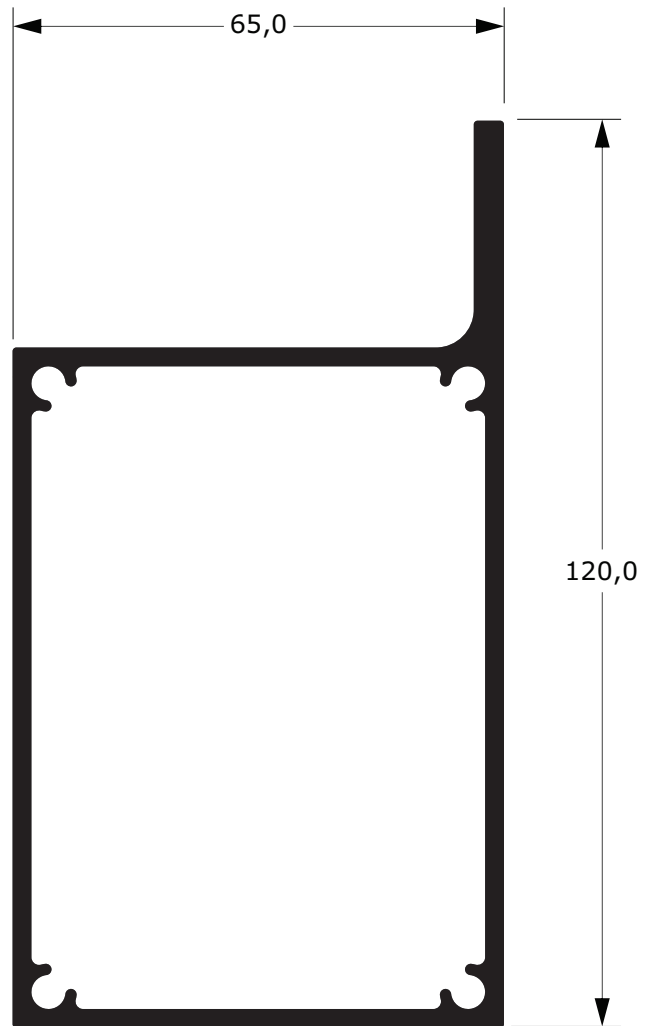
**B78-1097C**  
0,653 Kg/m



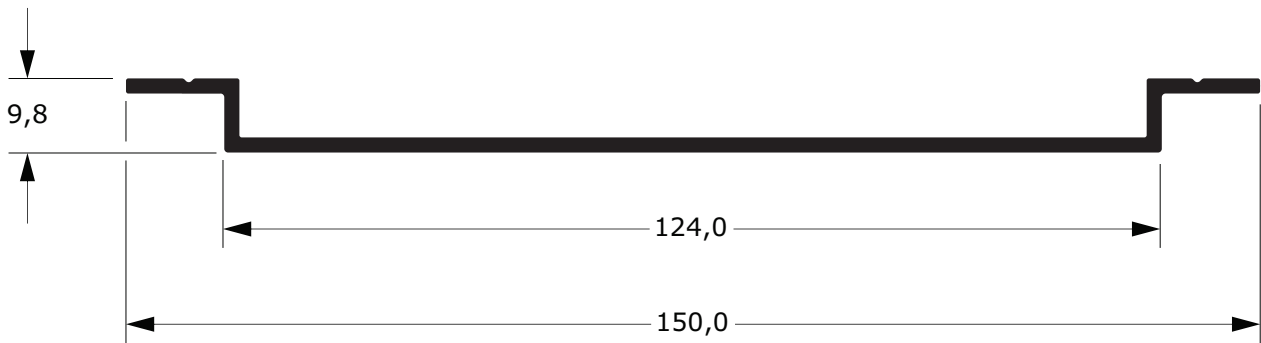
**B78-889**  
0,785 Kg/m



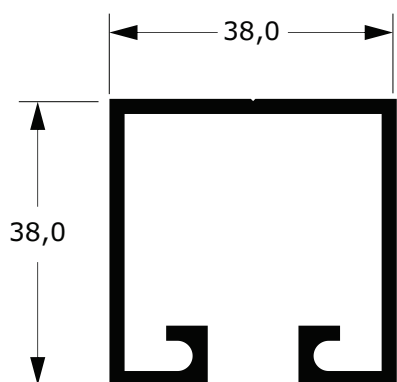
**B78-1962C**  
1,287 Kg/m



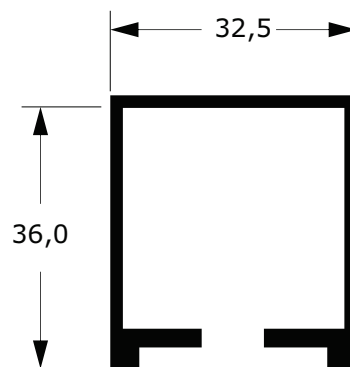
**B78-1653D**  
2,487 Kg/m



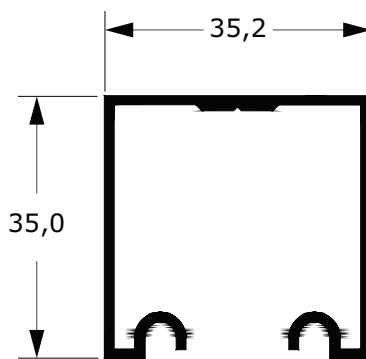
**B31-085C**  
0,894 Kg/m



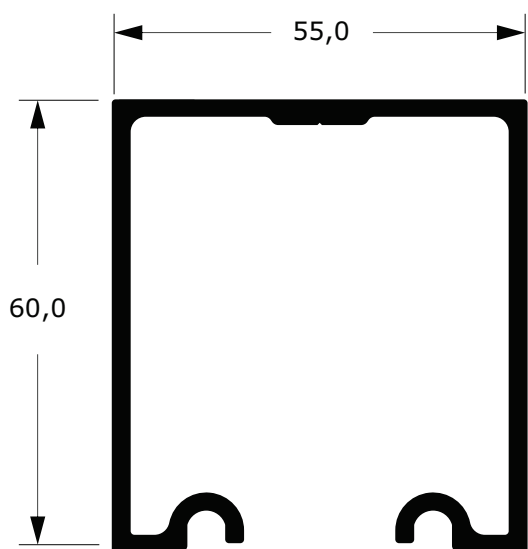
**BU-990A**  
0,635 Kg/m



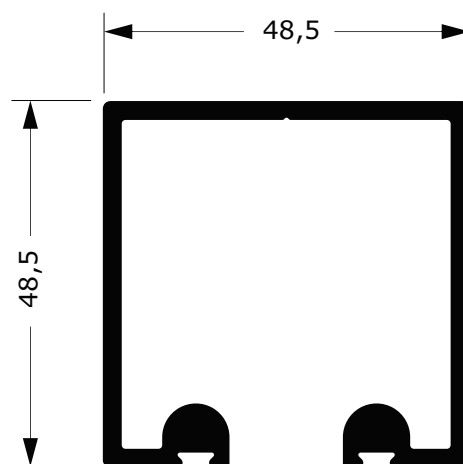
**BU-164**  
0,708 Kg/m



**BU-1098**  
0,494 Kg/m



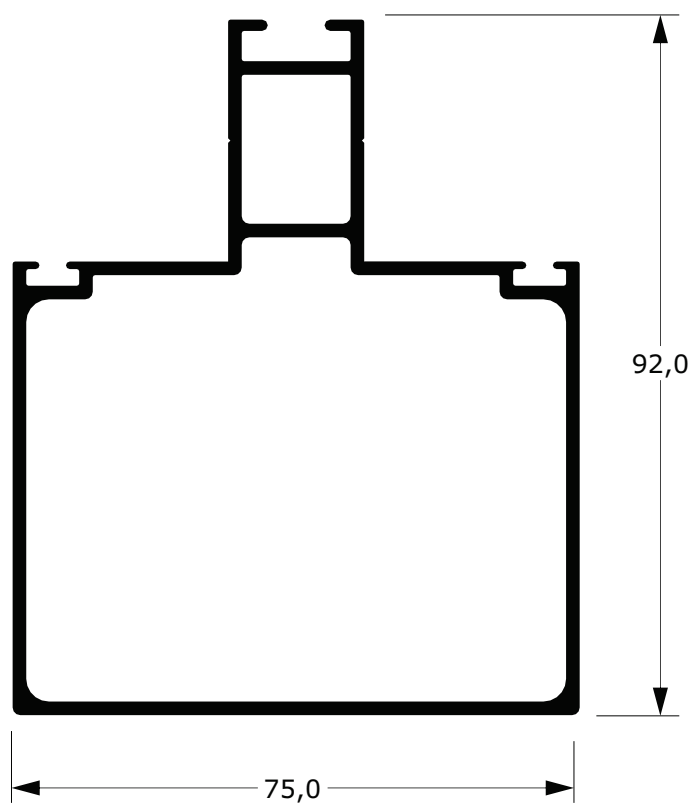
**BU-1048**  
1,463 Kg/m



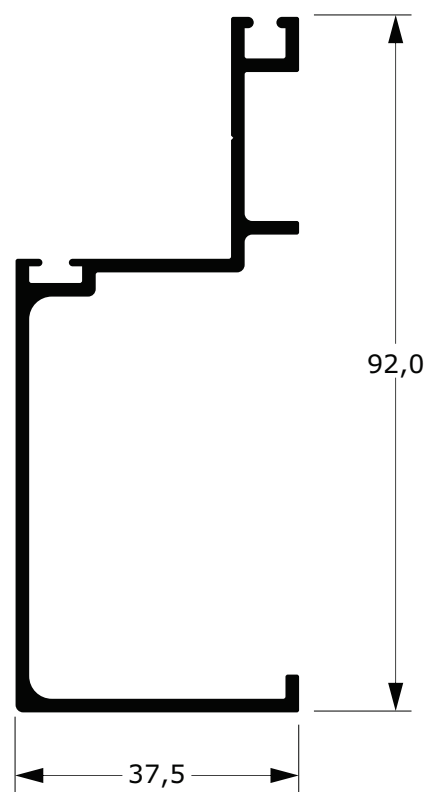
**B65-241D**  
1,316 Kg/m

# FACHADAS

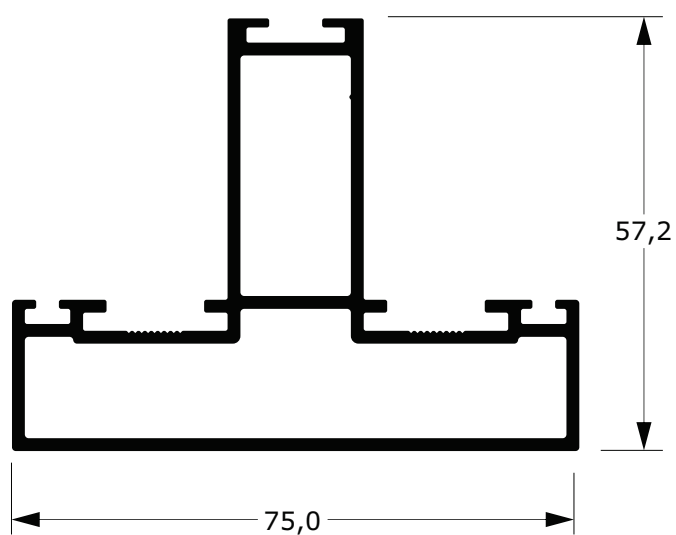




**BFC-075**  
1,750 Kg/m

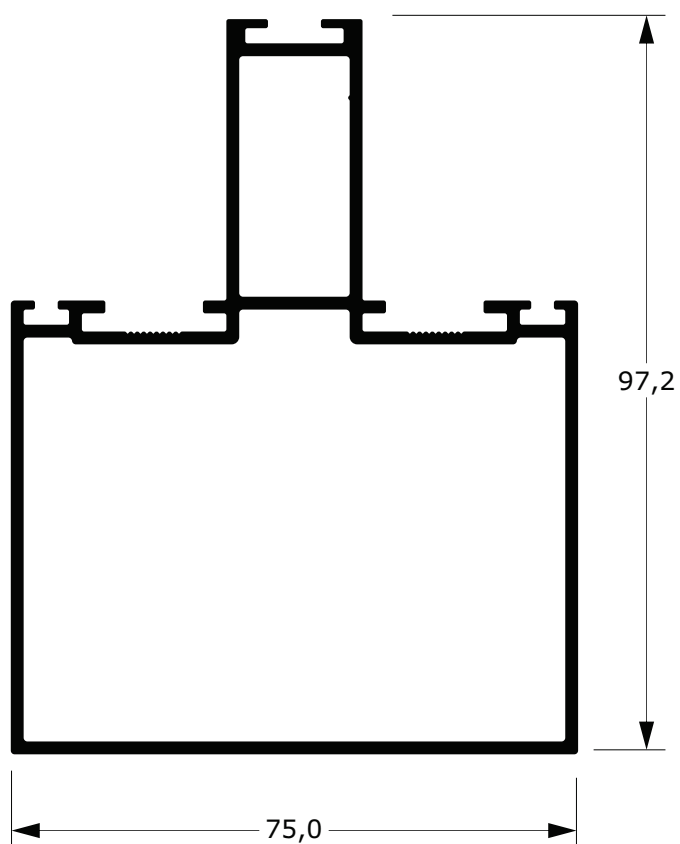


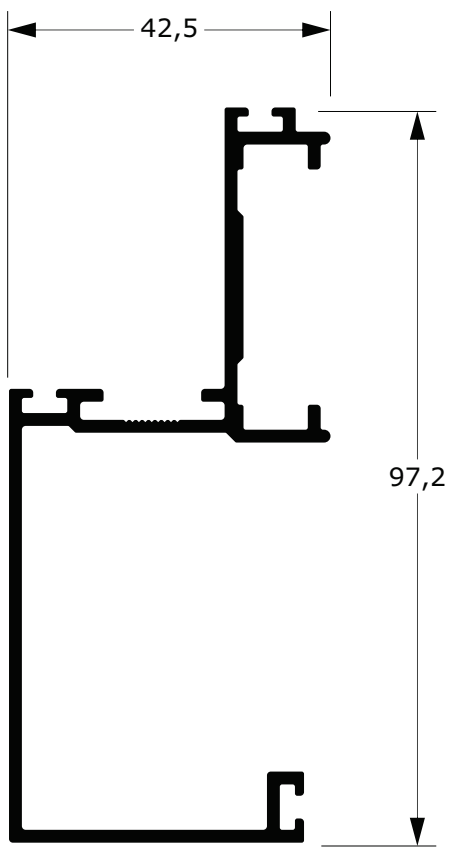
**B39-473**  
0,917 Kg/m



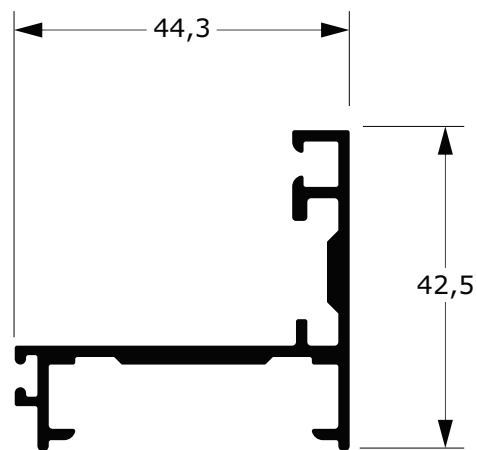
**BFC-232**  
1,433 Kg/m

**BFC-202**  
1,801 Kg/m

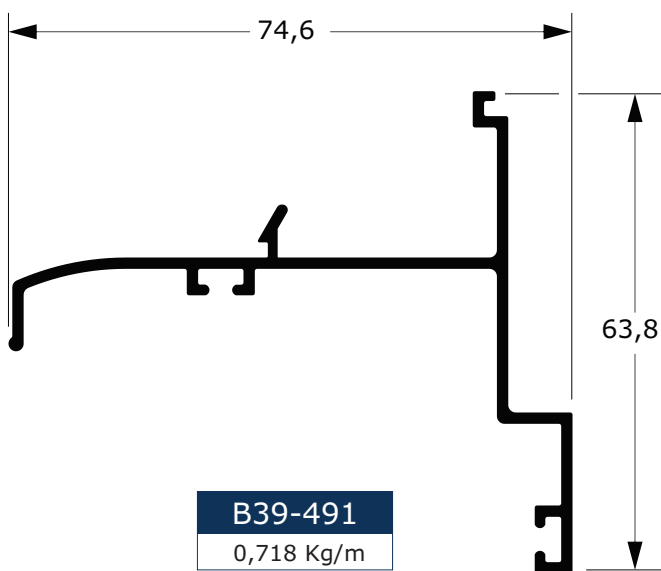




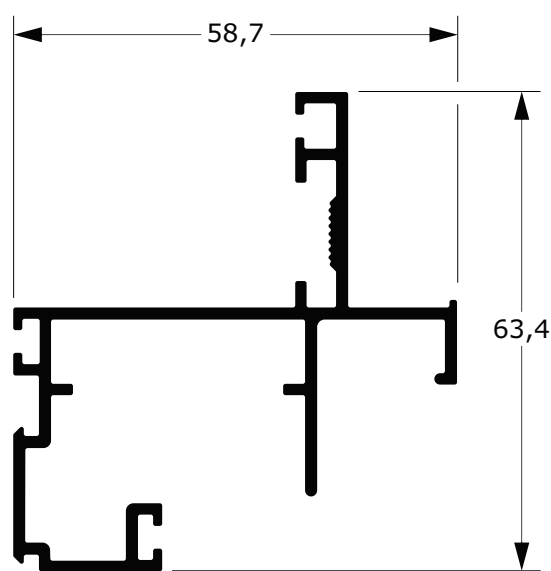
**BFC-243**  
1,109 Kg/m



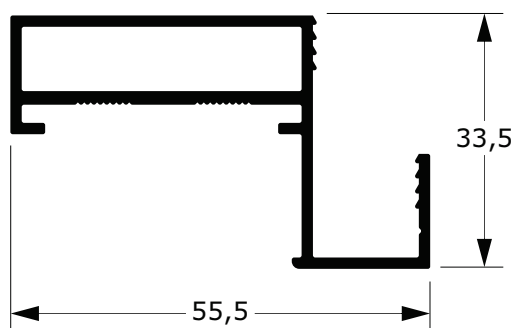
**BFC-225**  
0,639 Kg/m



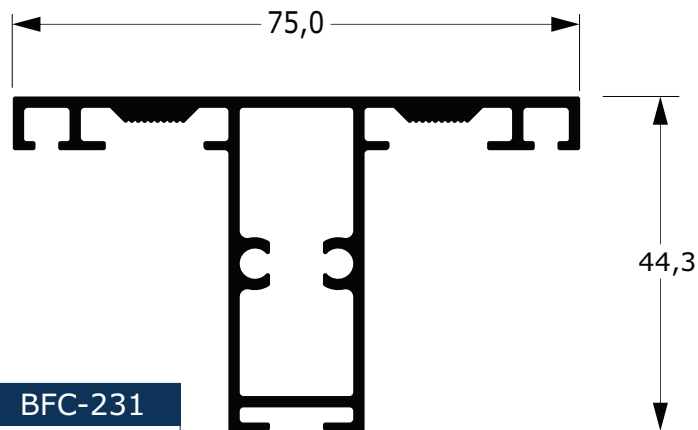
**B39-491**  
0,718 Kg/m



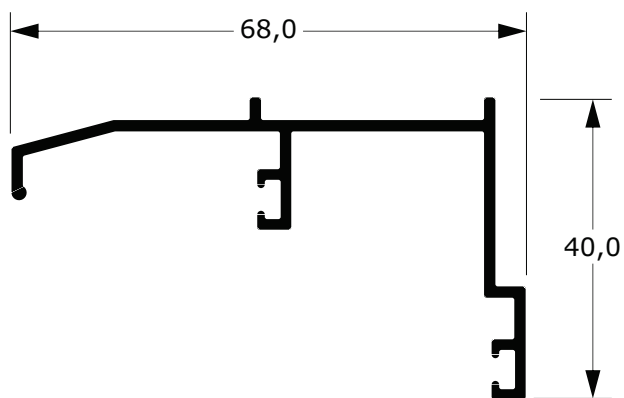
**BFC-360**  
0,960 Kg/m



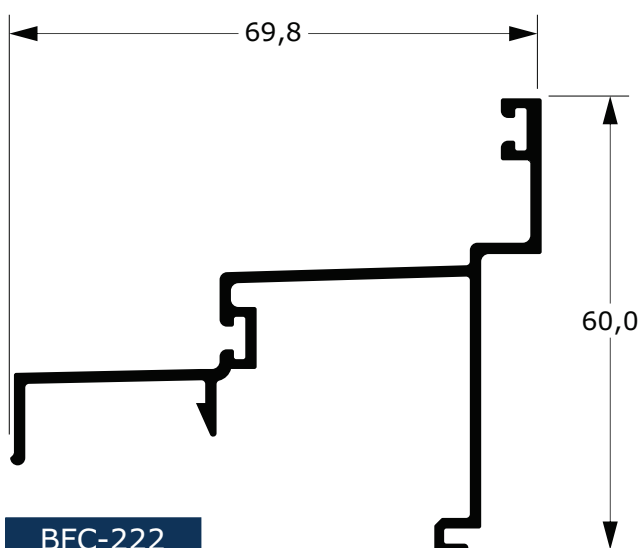
**BFC-293**  
0,635 Kg/m



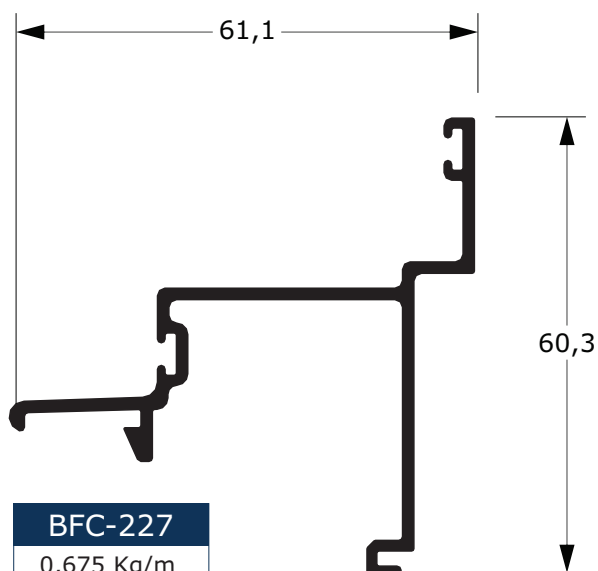
**BFC-231**  
1,074 Kg/m



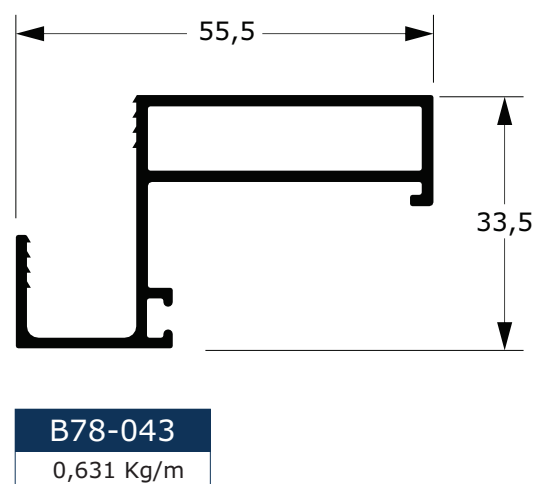
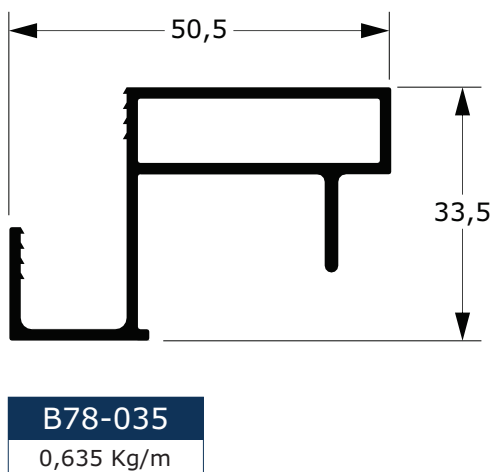
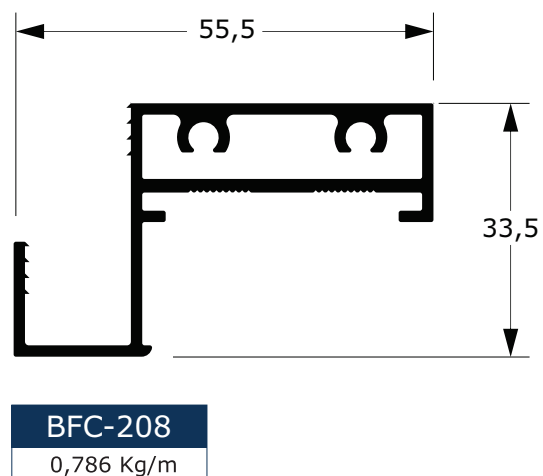
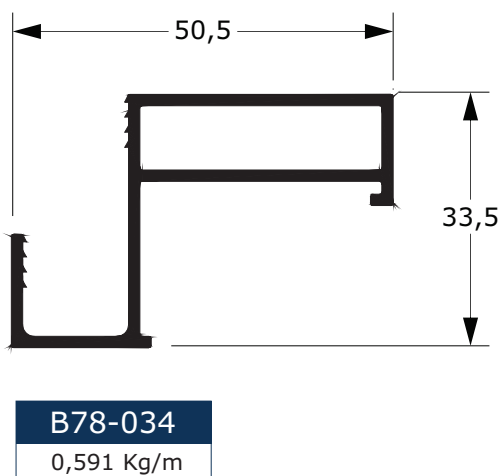
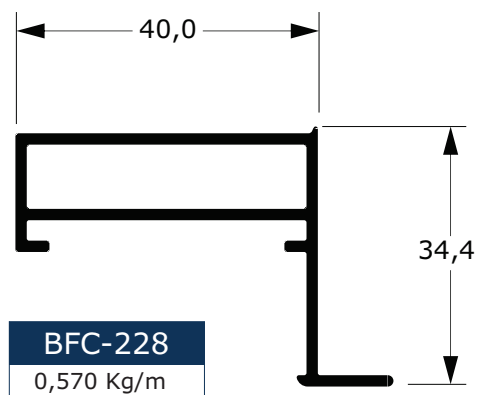
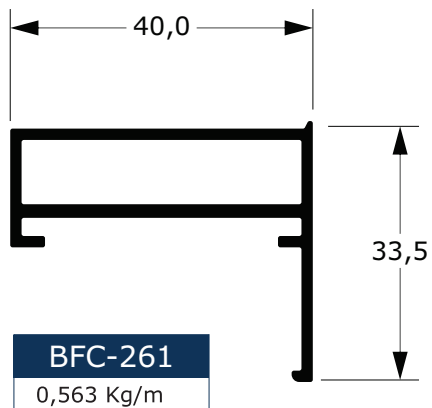
**B39-049**  
0,575 Kg/m

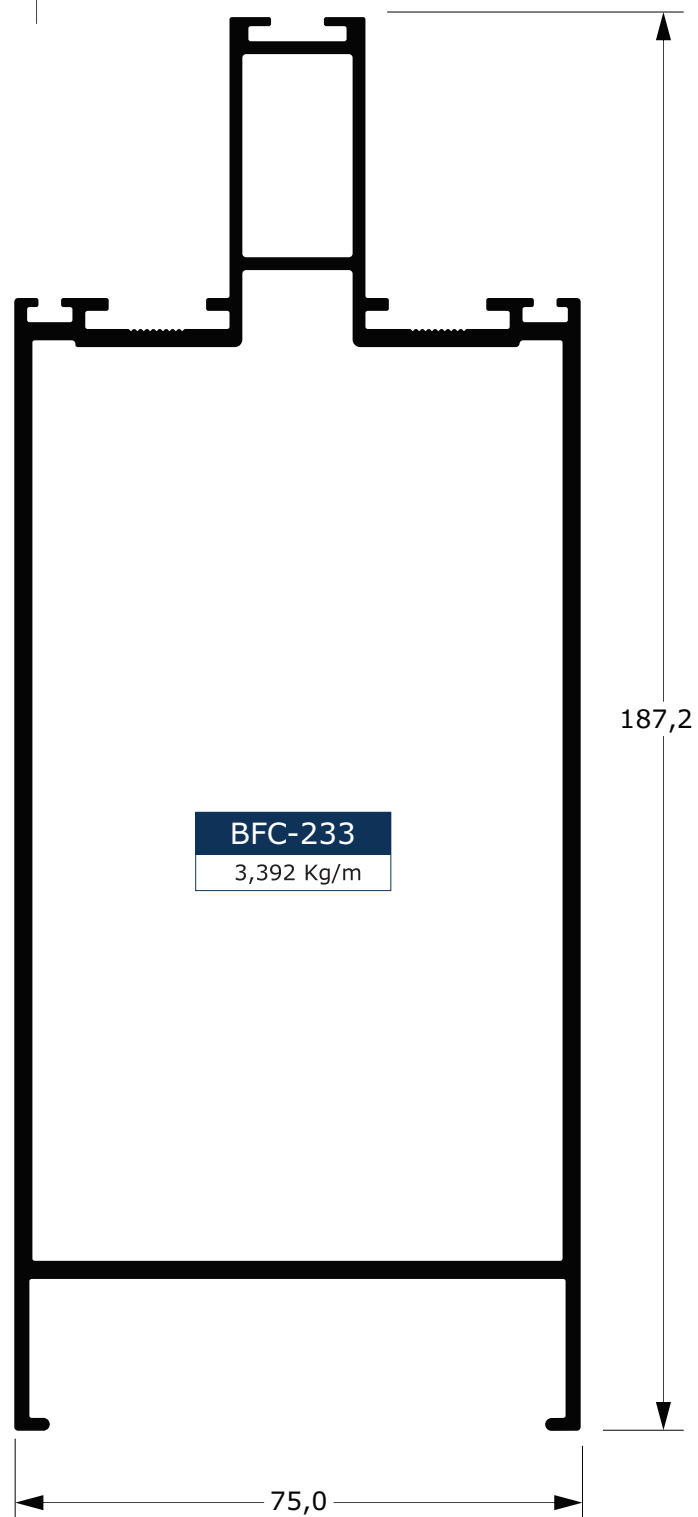
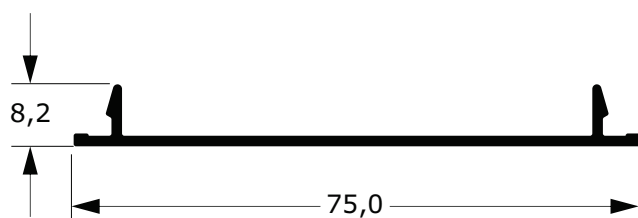
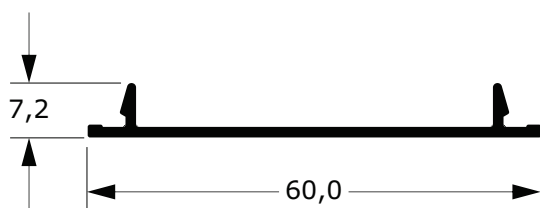
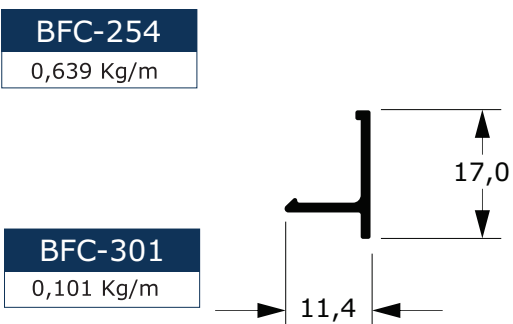
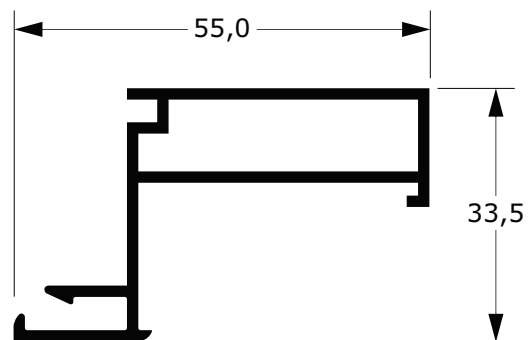
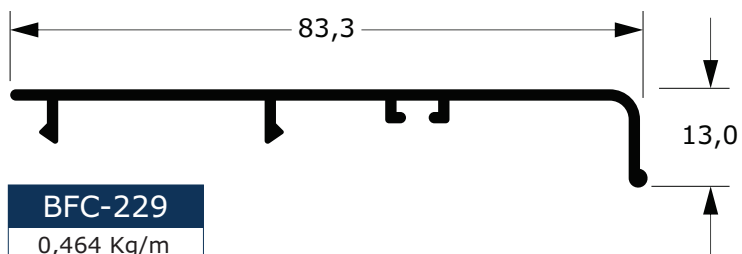


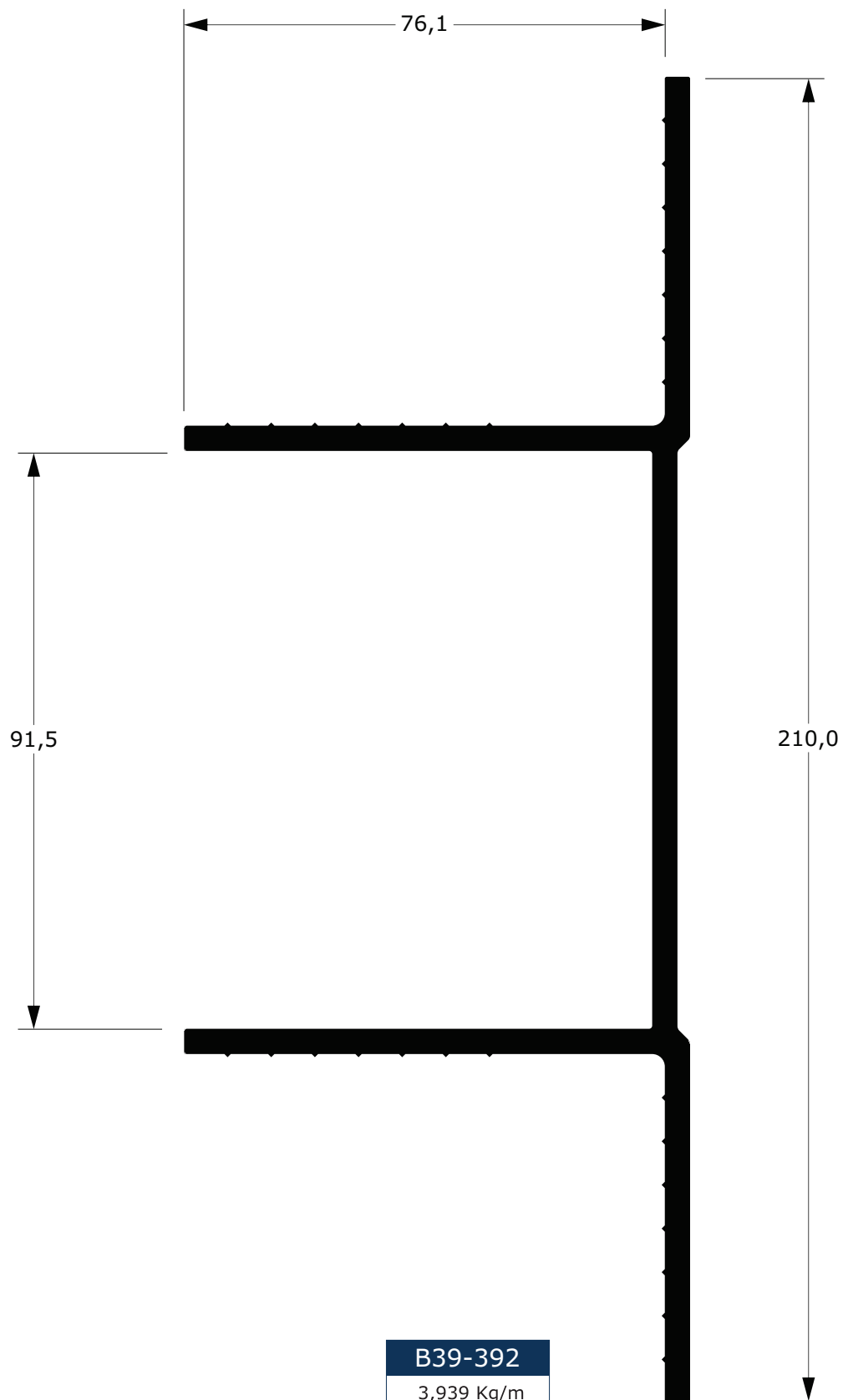
**BFC-222**  
0,757 Kg/m

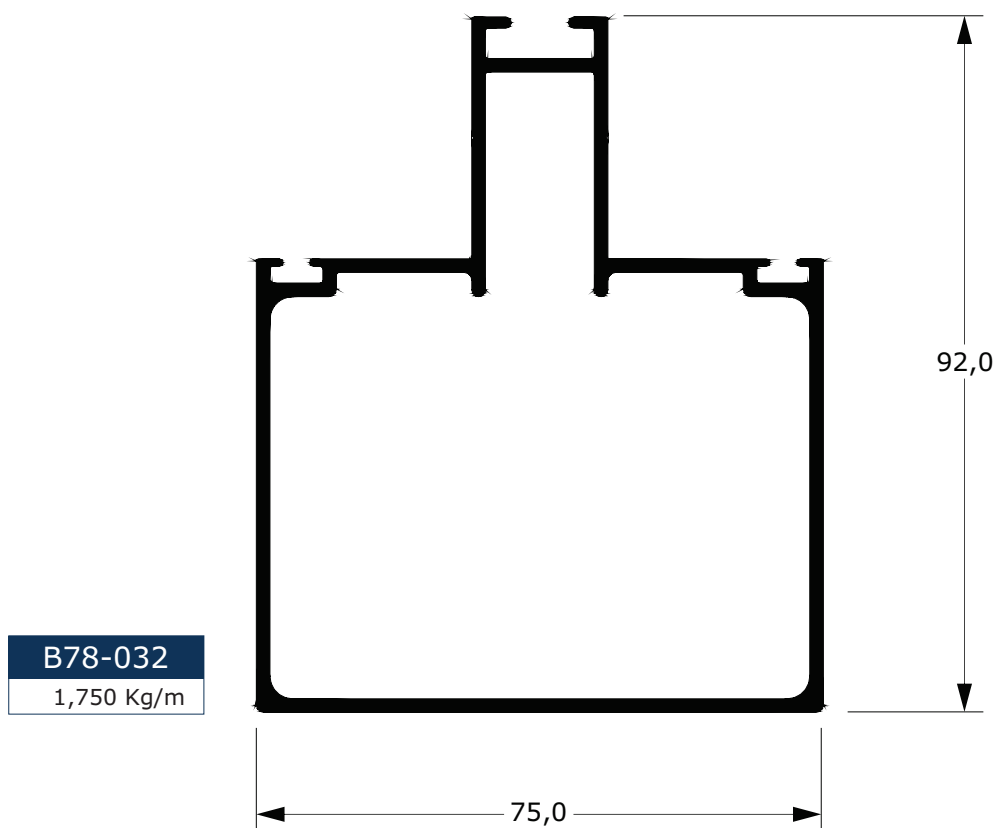
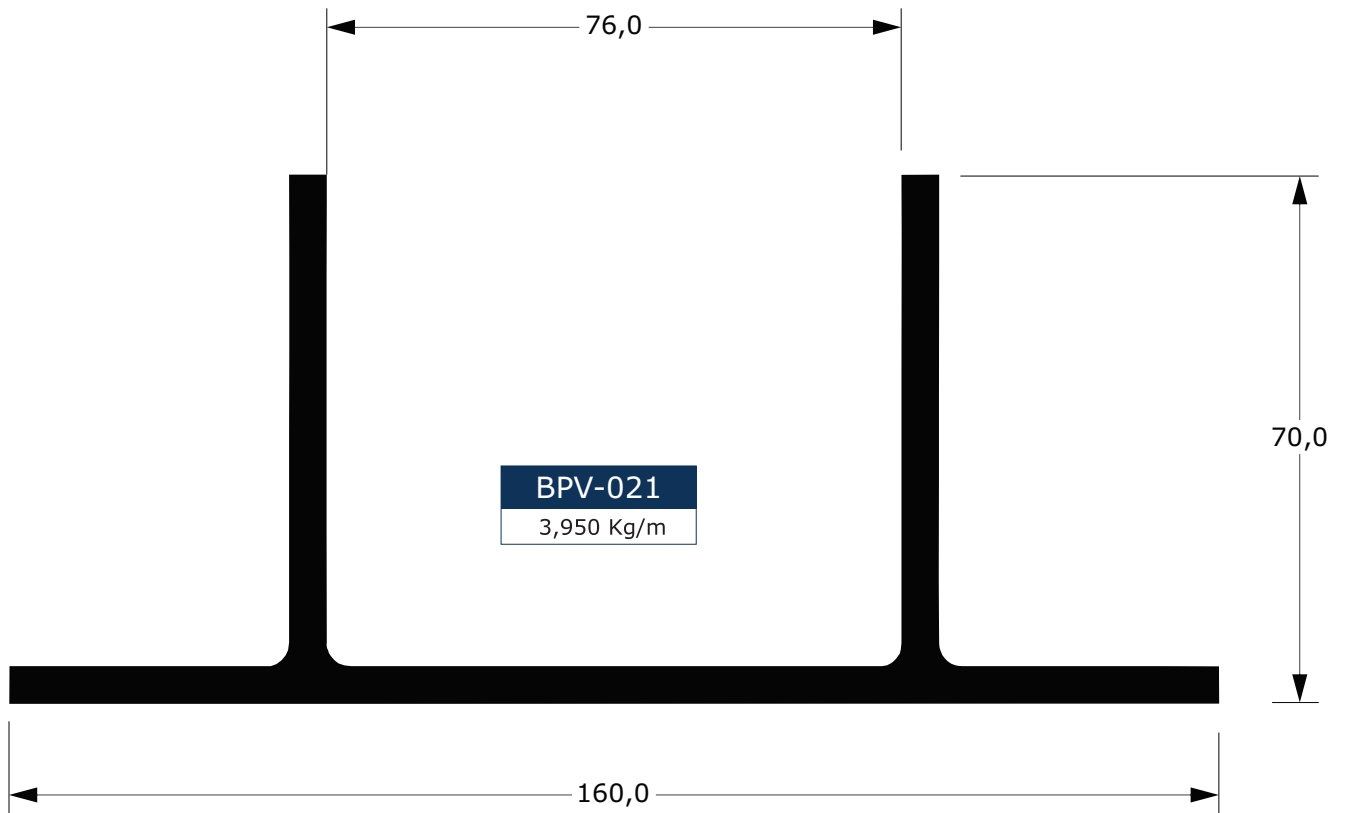


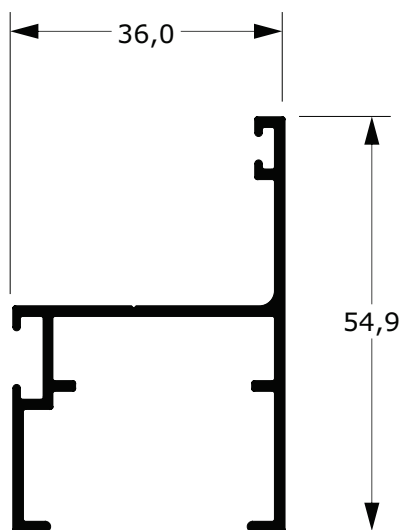
**BFC-227**  
0,675 Kg/m



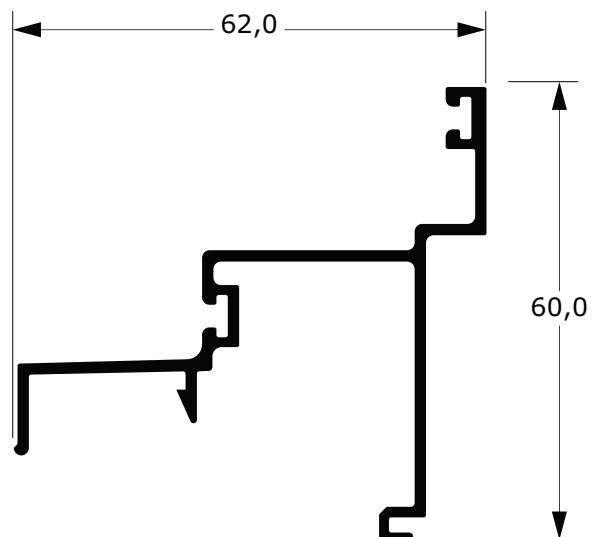




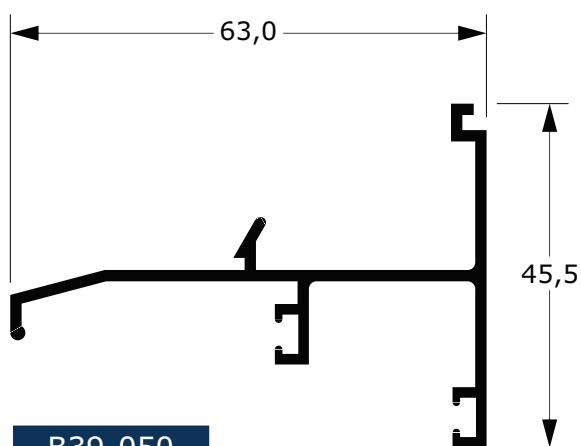




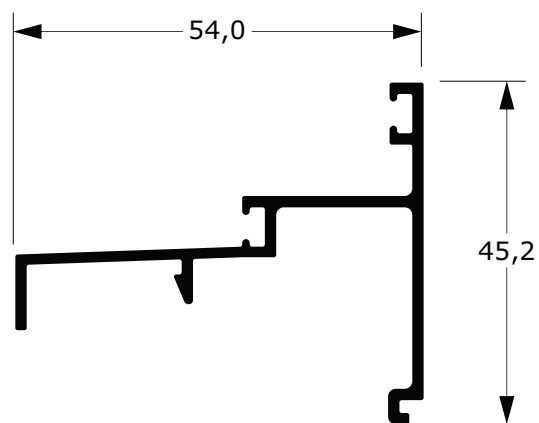
**BFC-170**  
0,543 Kg/m



**B39-487**  
0,738 Kg/m

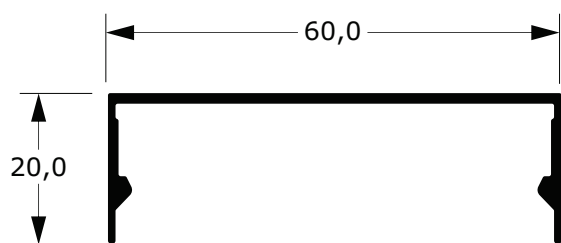


**B39-050**  
0,608 Kg/m

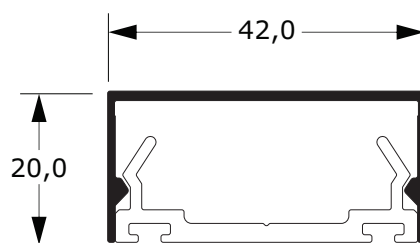


**B39-051**  
0,541 Kg/m

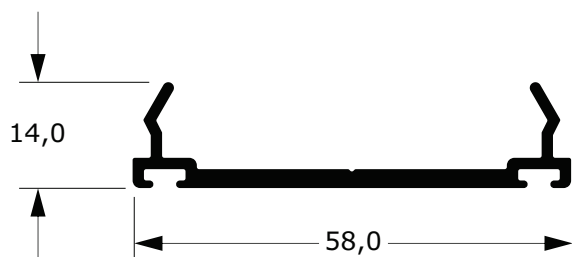




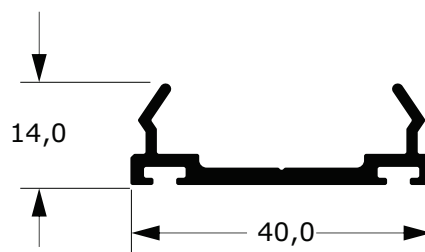
**BFC-544**  
0,380 Kg/m



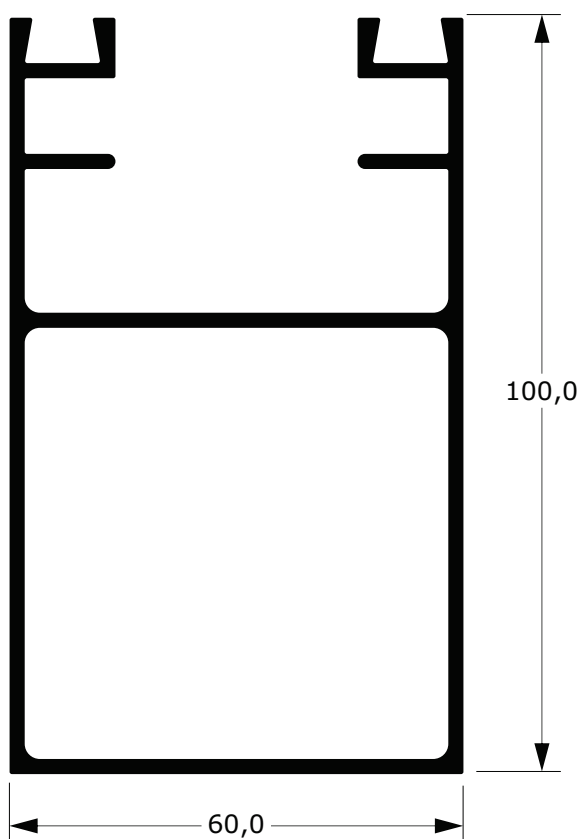
**BU-621**  
0,264 Kg/m



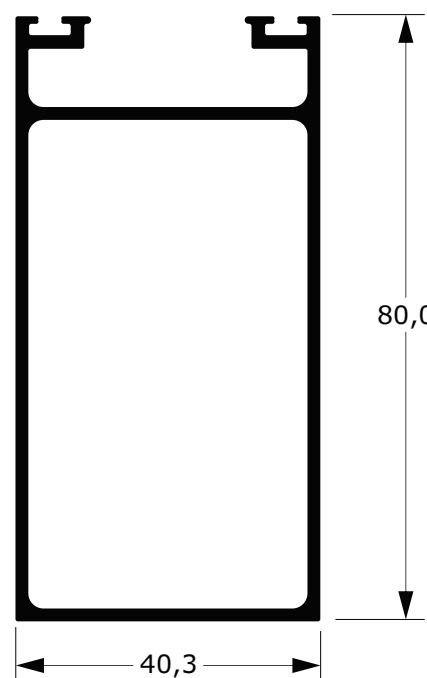
**BFC-419**  
0,484 Kg/m



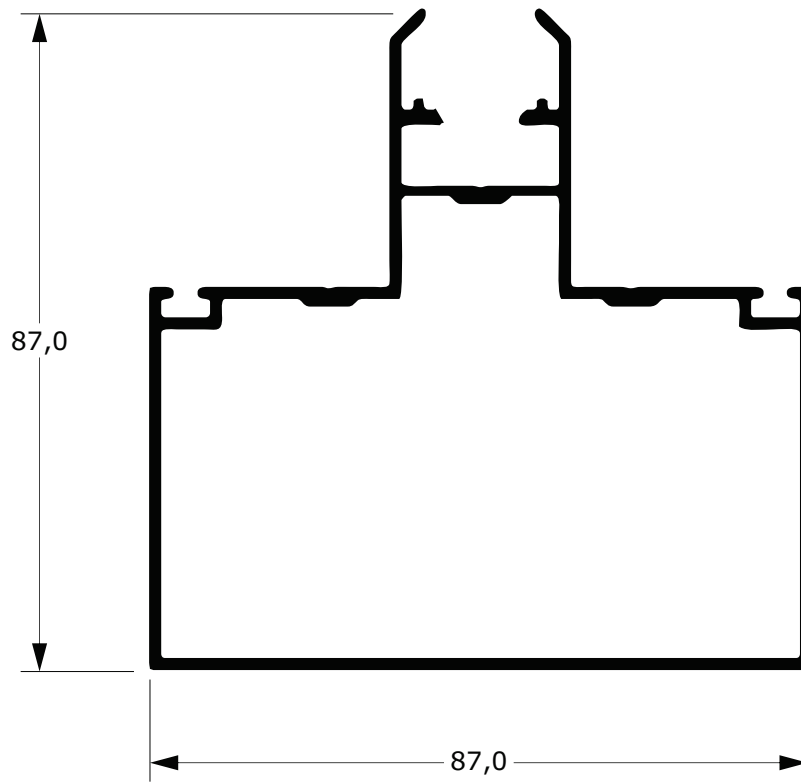
**BU-615**  
0,379 Kg/m



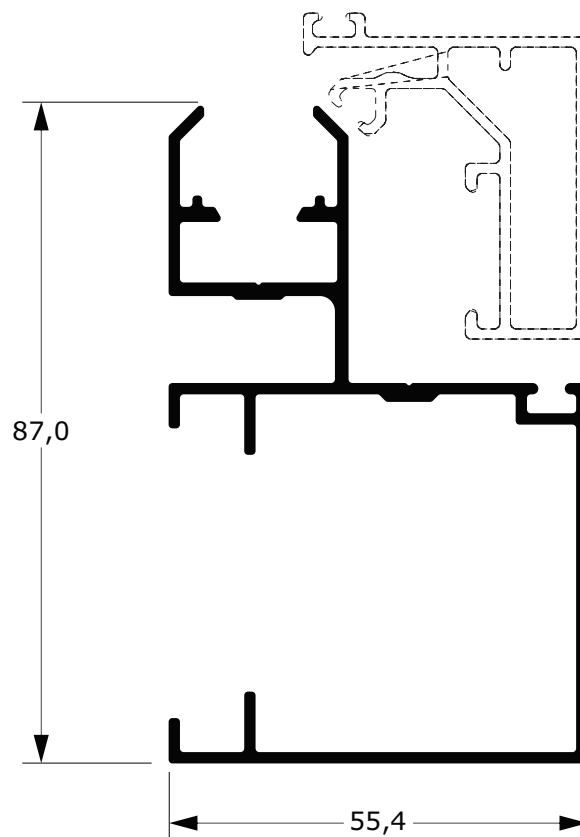
**BA-025**  
2,061 Kg/m



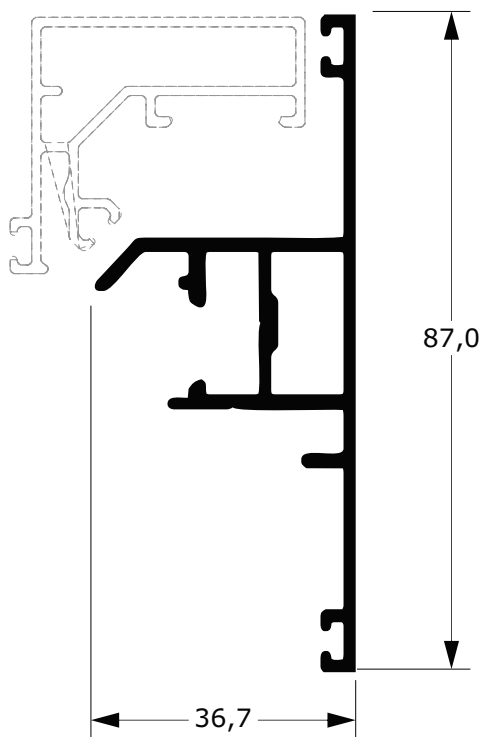
**BA-072**  
1,206 Kg/m

**BSK-001**

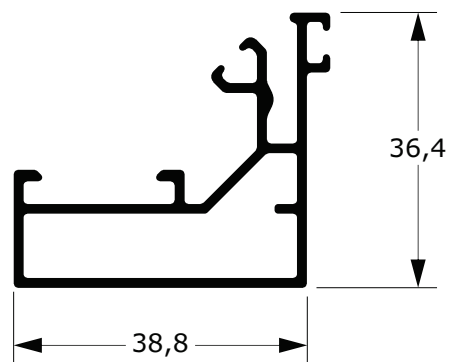
1,569 Kg/m

**BSK-002**

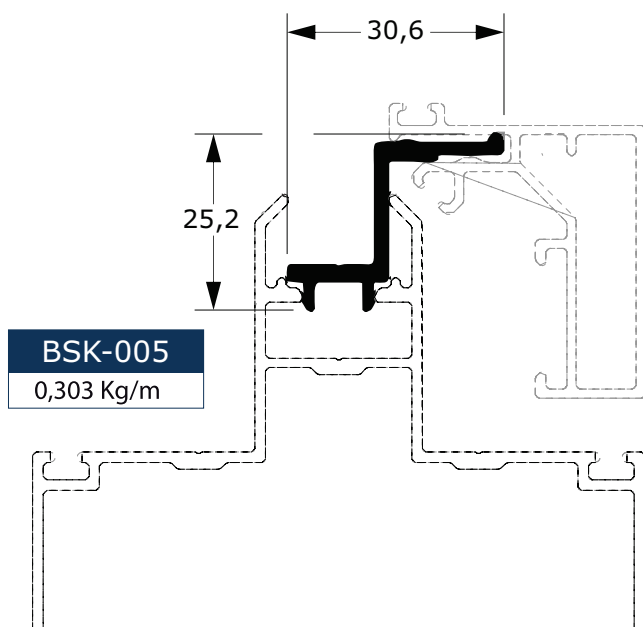
1,238 Kg/m



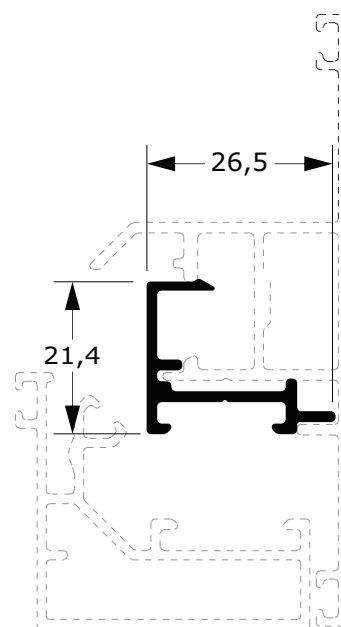
**BSK-003**  
0,775 Kg/m



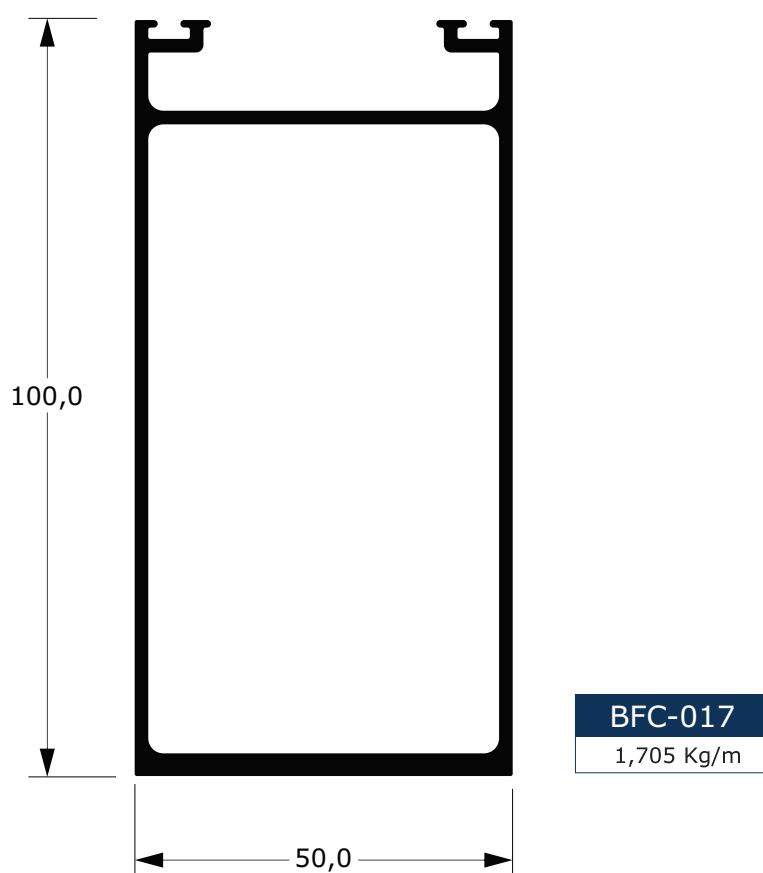
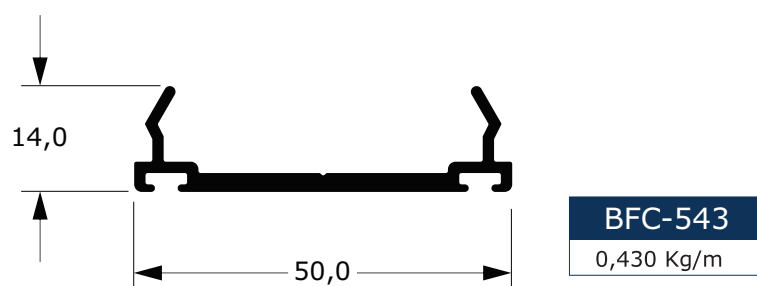
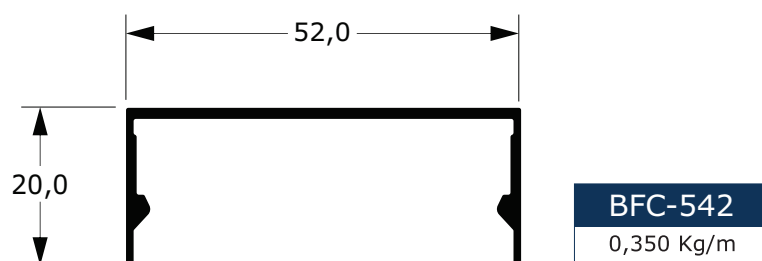
**BSK-004**  
0,615 Kg/m



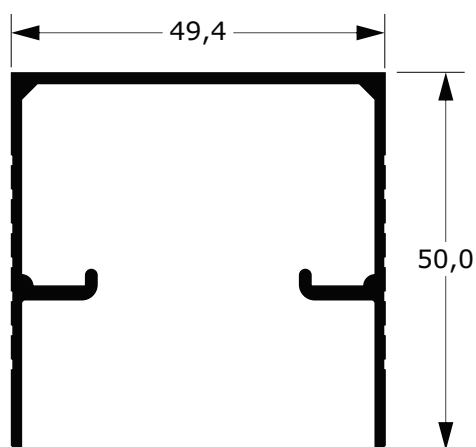
**BSK-005**  
0,303 Kg/m



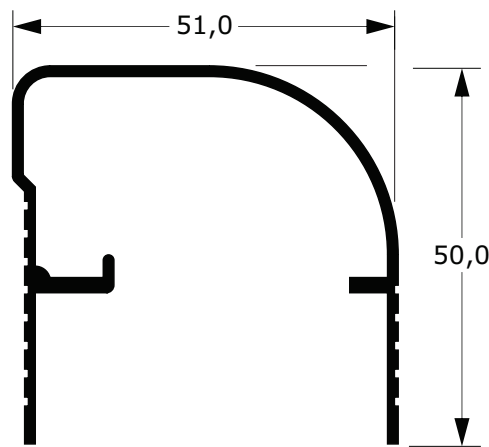
**BSK-006**  
0,279 Kg/m



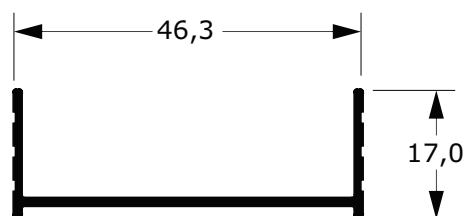
**BOX FRIDADO**  
**BOX LISO**  
**BOX TEMPERADO**



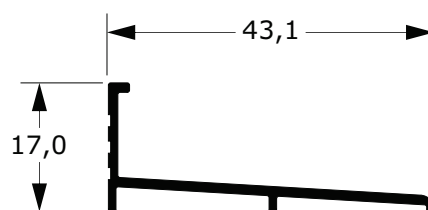
**BU-655**  
0,645 Kg/m



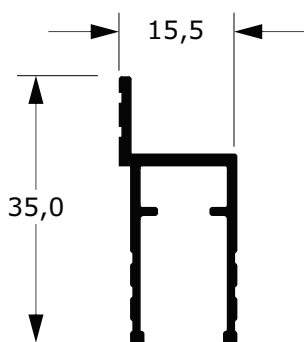
**B39-206**  
0,594 Kg/m



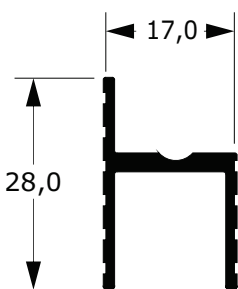
**BU-653**  
0,246 Kg/m



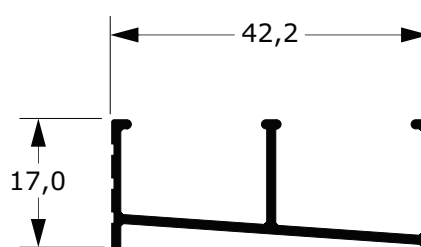
**B29-040**  
0,203 Kg/m



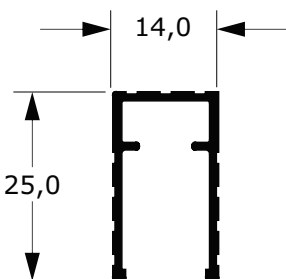
**BY-310**  
0,302 Kg/m



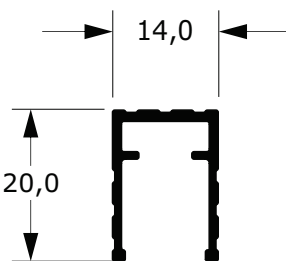
**BY-311**  
0,263 Kg/m



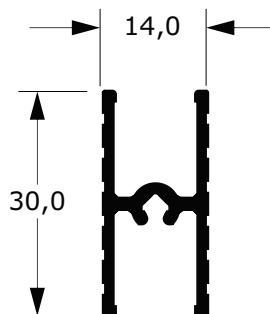
**BE-256**  
0,290 Kg/m



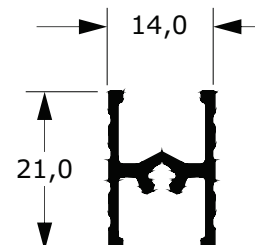
**BU-1002**  
0,213 Kg/m



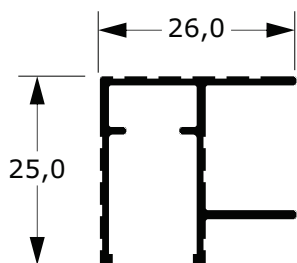
**BU-1002A**  
0,182 Kg/m



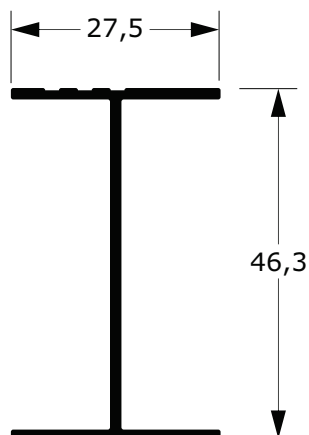
**BI-154**  
0,306 Kg/m



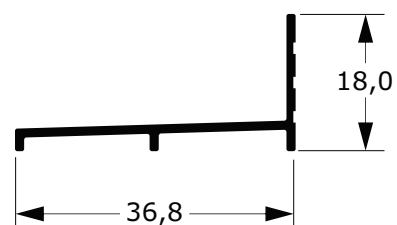
**BI-154A**  
0,212 Kg/m

**BY-308**

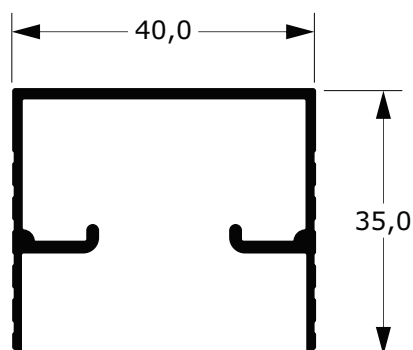
0,278 Kg/m

**B44-018**

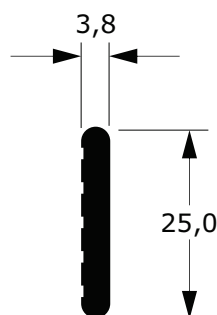
0,389 Kg/m

**B29-122**

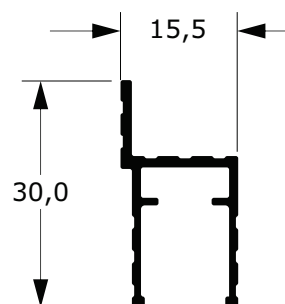
0,183 Kg/m

**B29-558**

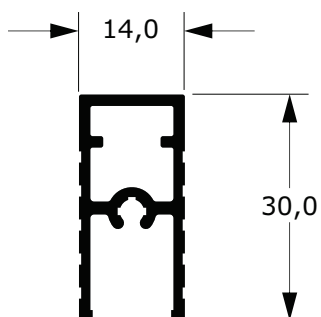
0,445 Kg/m

**BBAR-4024**

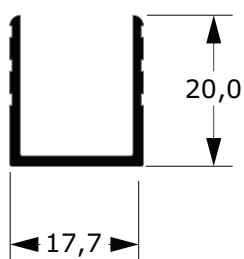
0,240 Kg/m

**B60-012**

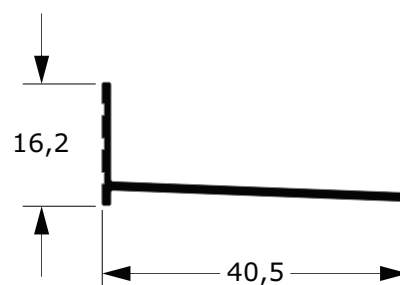
0,227 Kg/m

**BA-087**

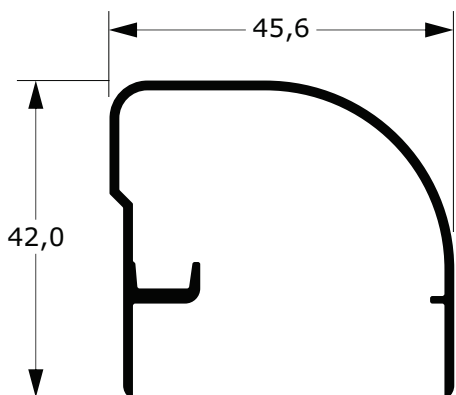
0,365 Kg/m

**BU-654**

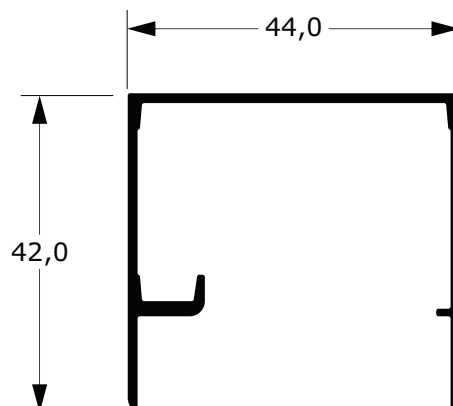
0,198 Kg/m

**B39-564**

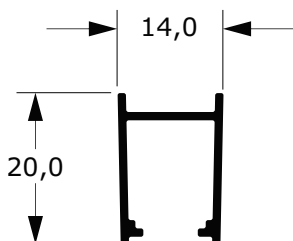
0,215 Kg/m

**B39-896**

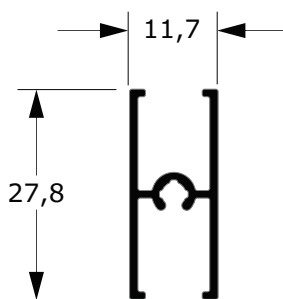
0,471 Kg/m

**B39-897**

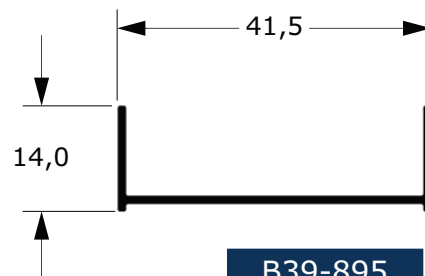
0,514 Kg/m

**B39-898**

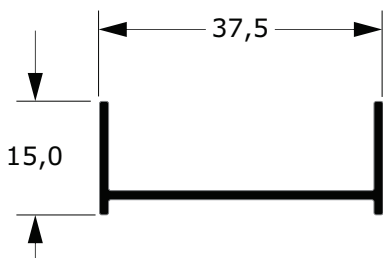
0,170 Kg/m

**B44-035**

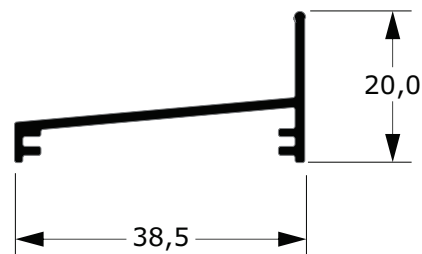
0,223 Kg/m

**B39-895**

0,200 Kg/m

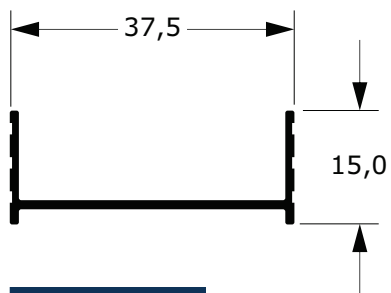
**B39-894**

0,211 Kg/m

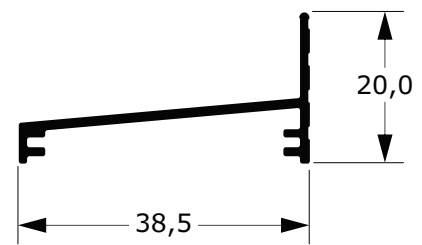
**B29-175**

0,231 Kg/m

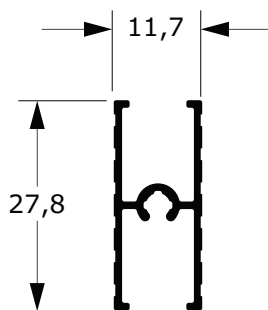


**B39-563**

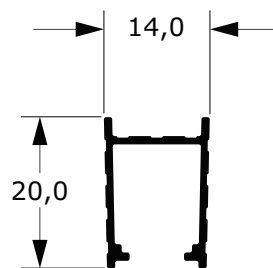
0,204 Kg/m

**B29-173**

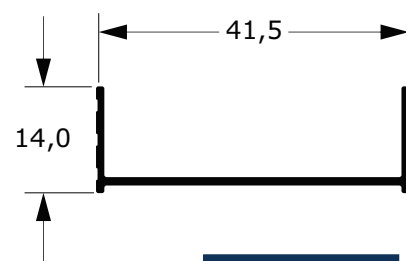
0,228 Kg/m

**B44-032**

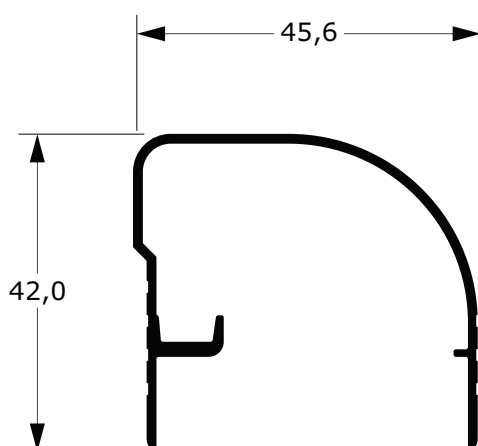
0,213 Kg/m

**B39-849**

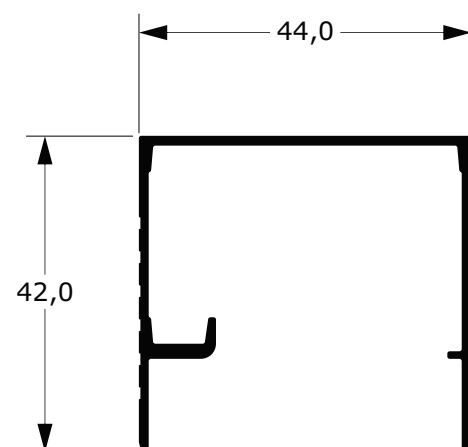
0,161 Kg/m

**B39-848**

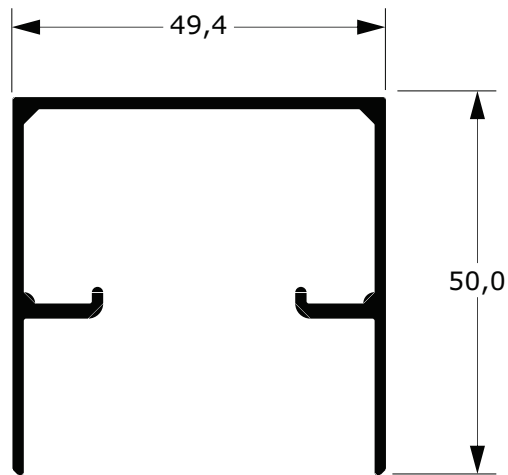
0,195 Kg/m

**B39-850**

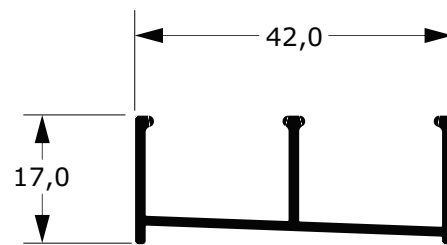
0,465 Kg/m

**B39-851**

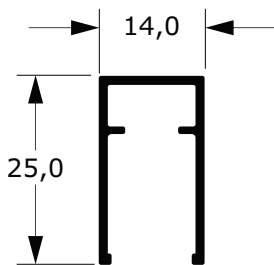
0,504 Kg/m



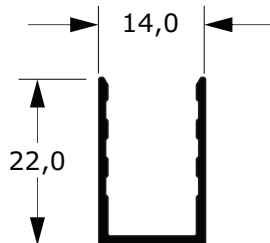
**BU-397**  
0,620 Kg/m



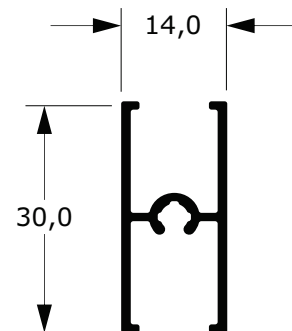
**BE-117**  
0,334 Kg/m



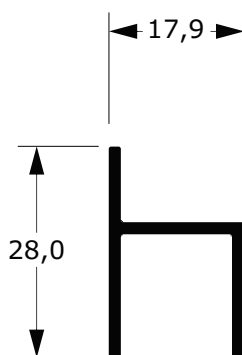
**BU-1056**  
0,228 Kg/m



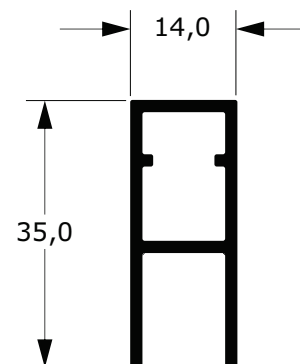
**B39-956**  
0,166 Kg/m



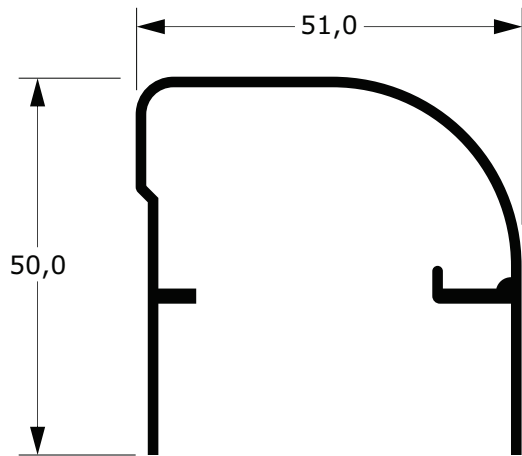
**BI-083**  
0,320 Kg/m



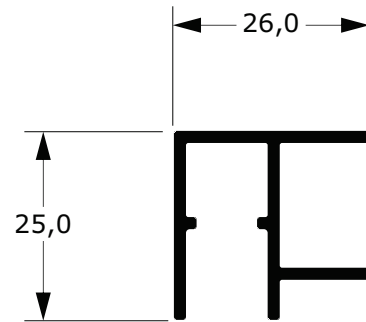
**BY-107**  
0,262 Kg/m



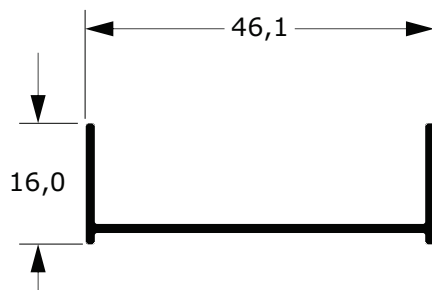
**BA-022**  
0,409 Kg/m

**B39-255**

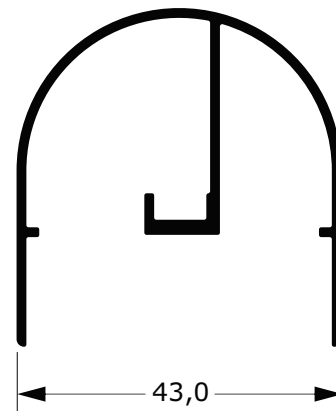
0,615 Kg/m

**BY-105**

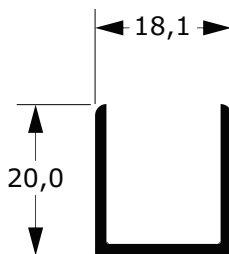
0,388 Kg/m

**BU-399**

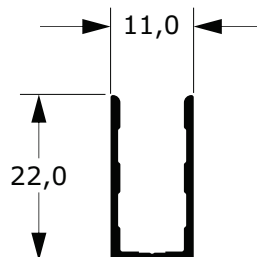
0,245 Kg/m

**B39-1006**

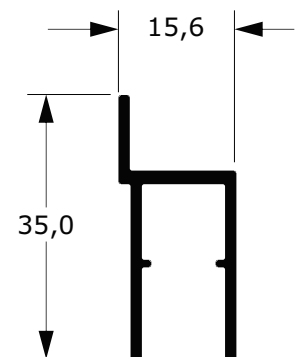
0,568 Kg/m

**BU-398**

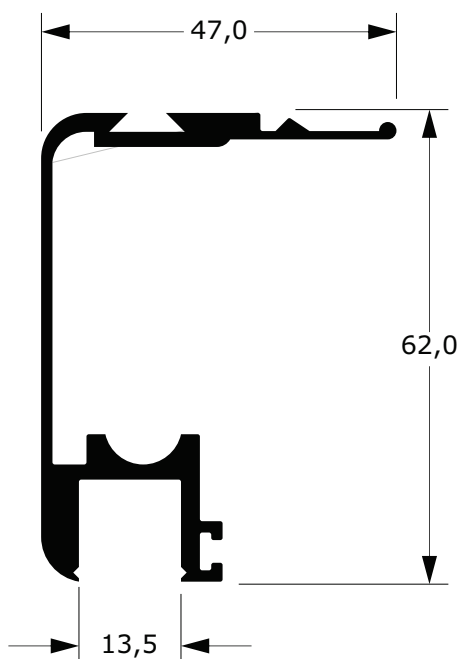
0,220 Kg/m

**B39-639**

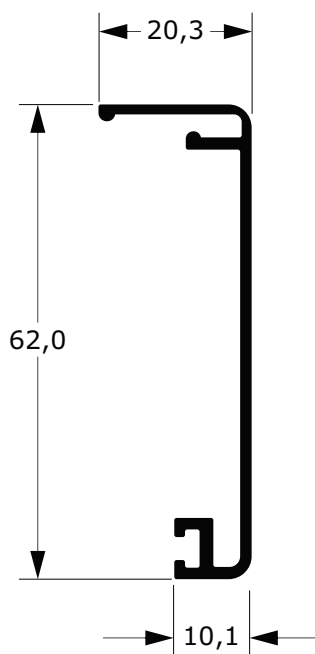
0,167 Kg/m

**BY-106**

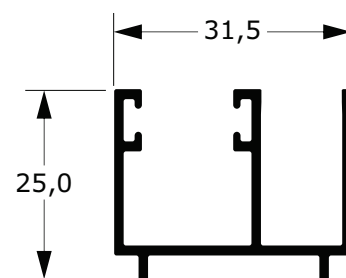
0,311 Kg/m

**BL-713A**

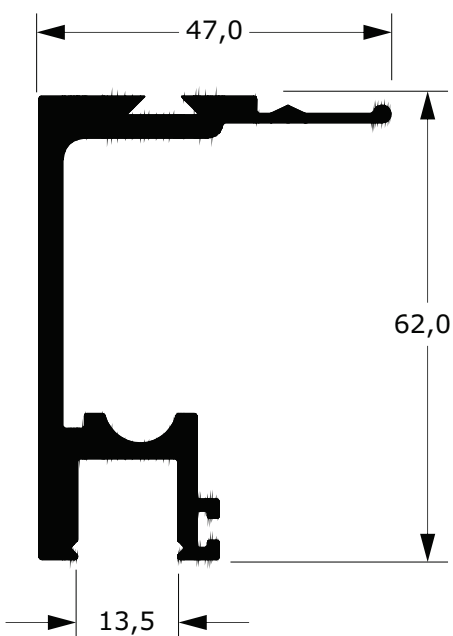
0,970 Kg/m

**BE-512A**

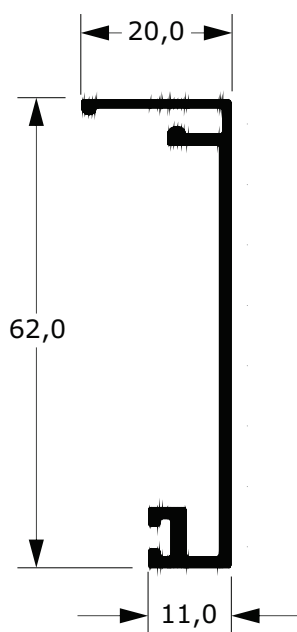
0,433 Kg/m

**B39-025**

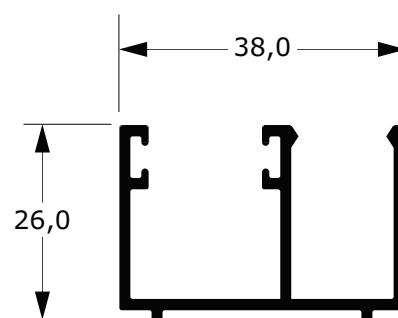
0,358 Kg/m

**BL-713**

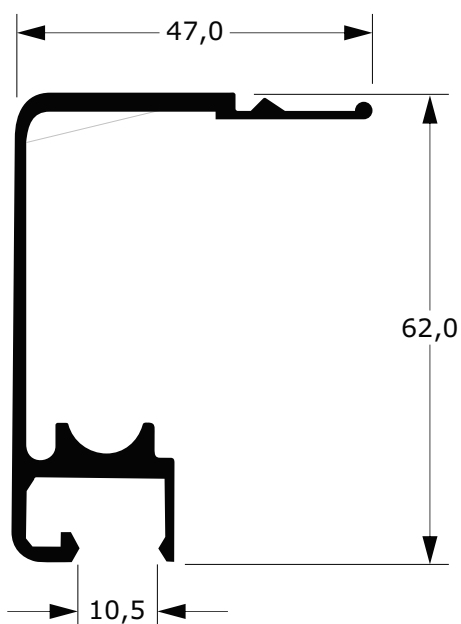
1,278 Kg/m

**BE-512**

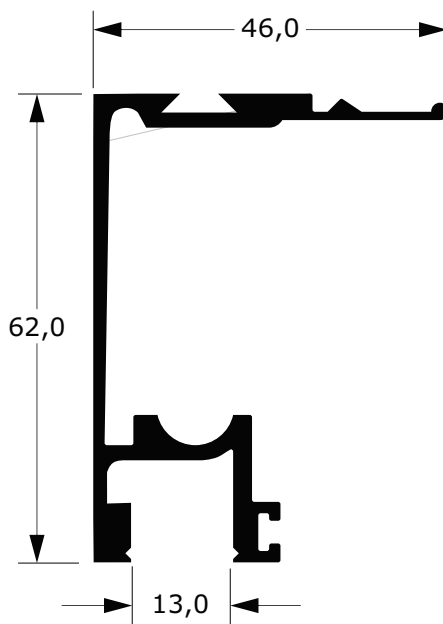
0,435 Kg/m

**BE-306**

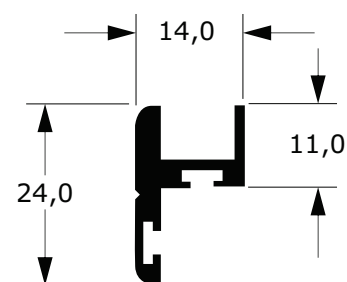
0,404 Kg/m

**B29-027**

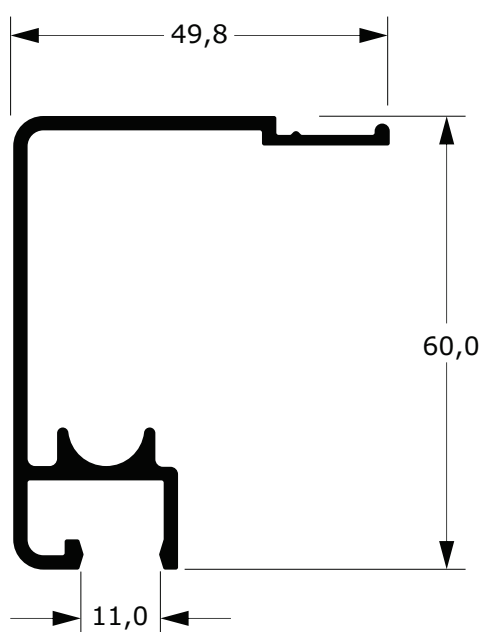
0,803 Kg/m

**B29-176**

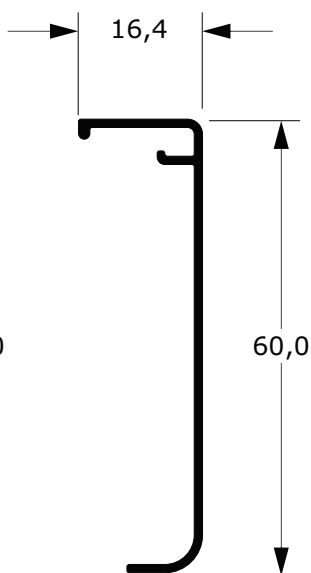
0,956 Kg/m

**BY-343**

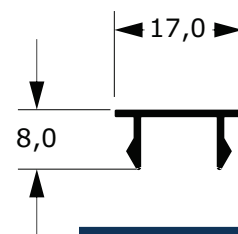
0,275 Kg/m

**B29-194**

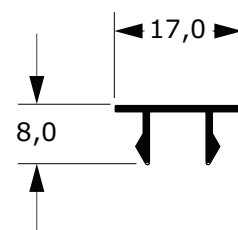
0,819 Kg/m

**B39-957**

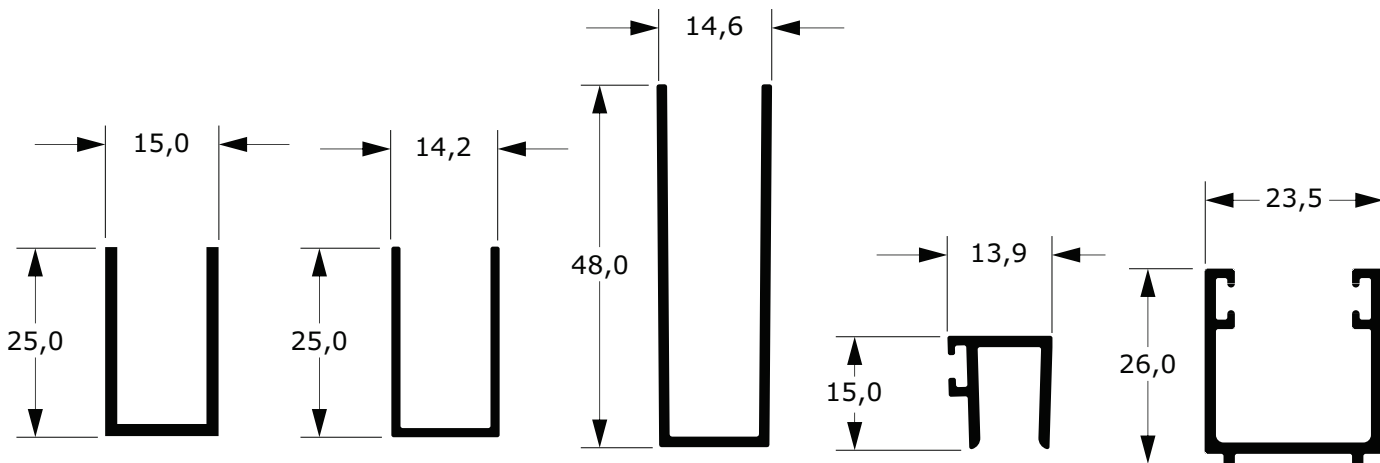
0,264 Kg/m

**BU-491**

0,093 Kg/m

**B39-128**

0,093 Kg/m



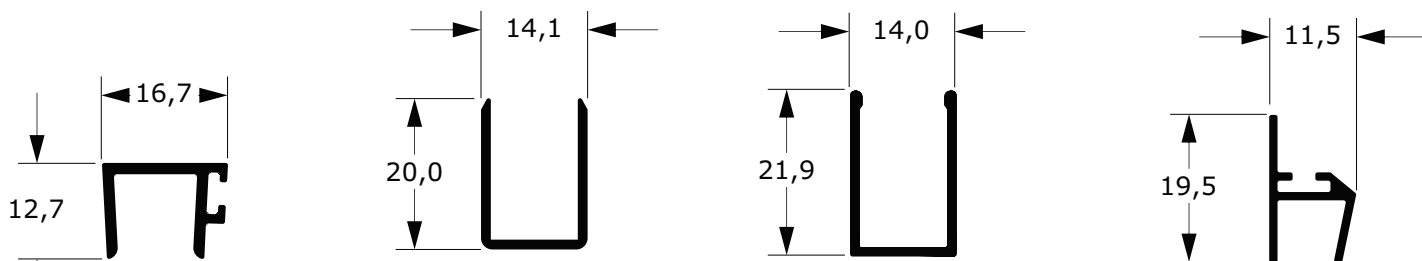
**BU-555**  
0,267 Kg/m

**BU-555A**  
0,200 Kg/m

**BU-565**  
0,409 Kg/m

**B39-137**  
0,176 Kg/m

**BU-1108**  
0,342 Kg/m

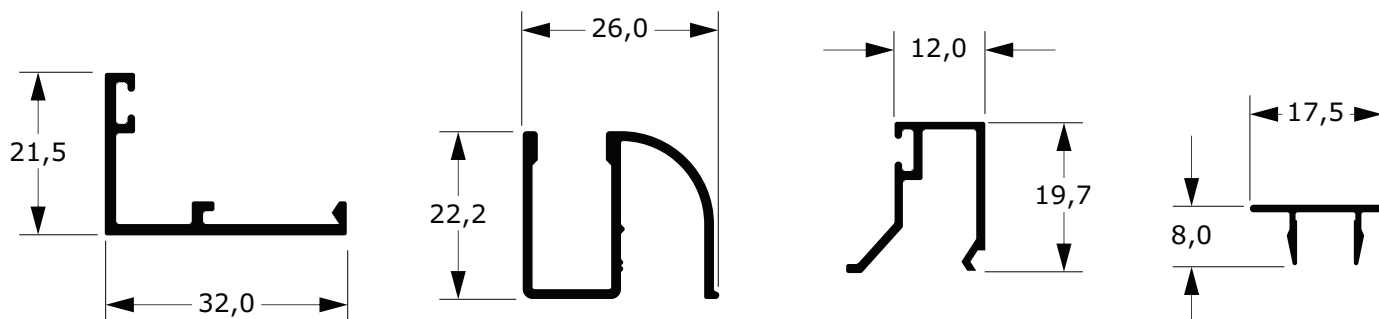


**B39-143**  
0,170 Kg/m

**BU-1109**  
0,174 Kg/m

**B39-1597C**  
0,154 Kg/m

**B39-959**  
0,137 Kg/m

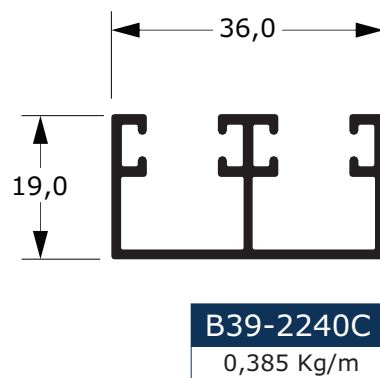
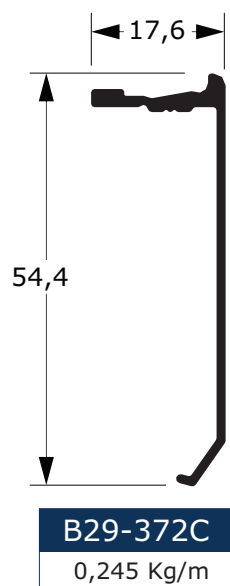
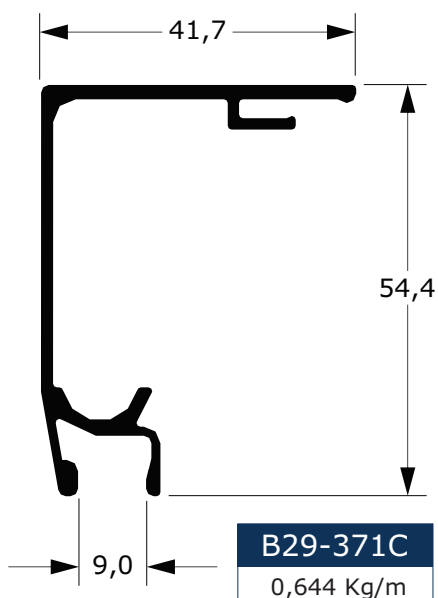
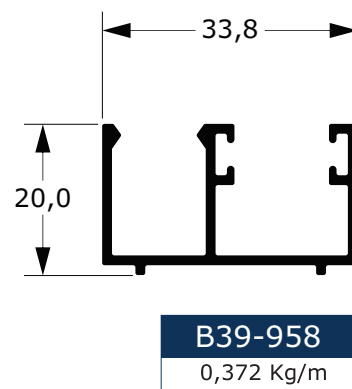
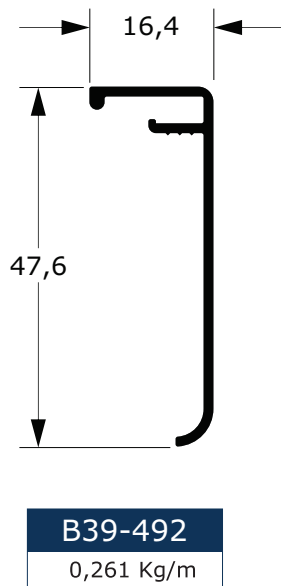
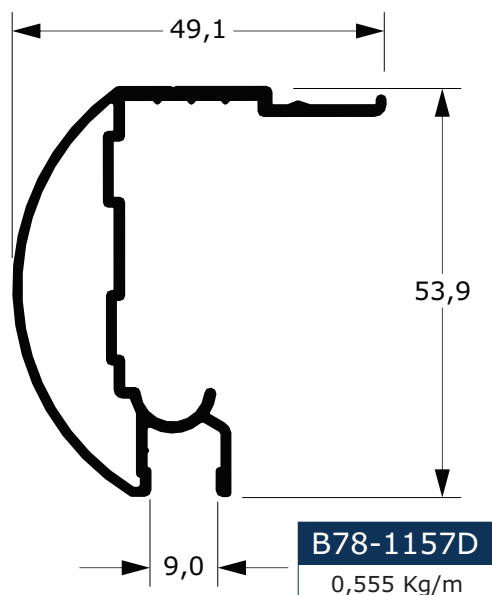
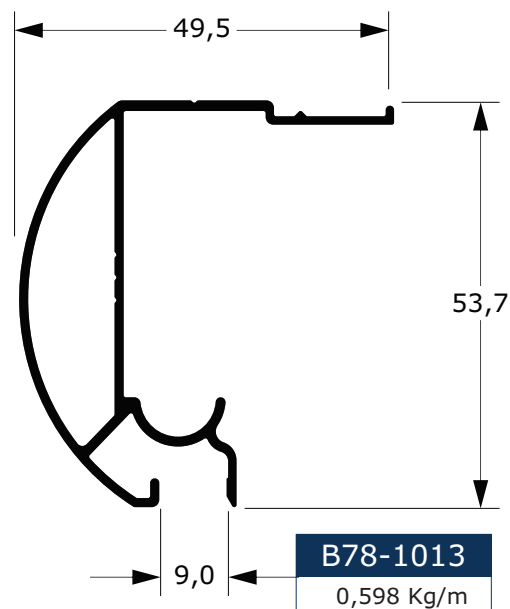
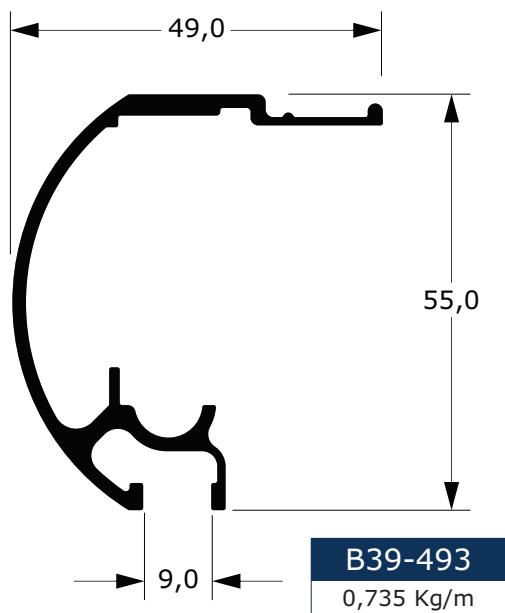


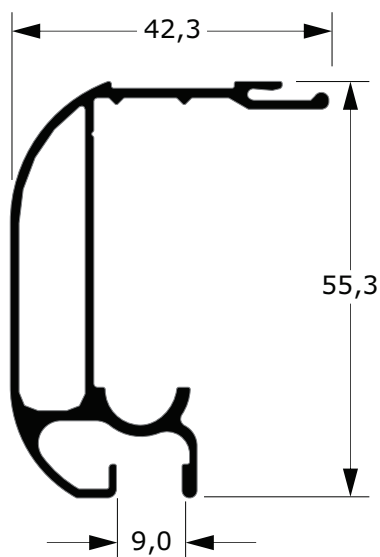
**B29-022**  
0,264 Kg/m

**B39-582**  
0,309 Kg/m

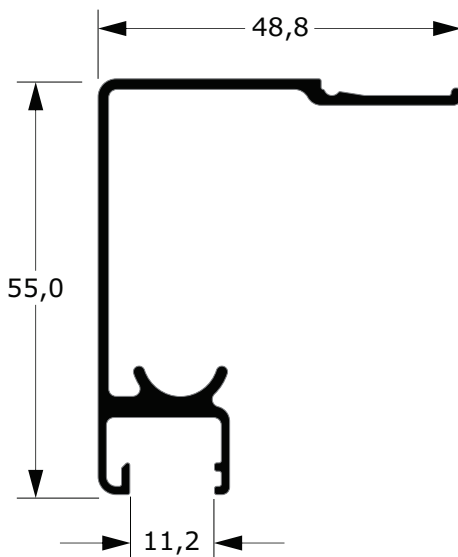
**B39-077**  
0,179 Kg/m

**B19-560**  
0,084 Kg/m

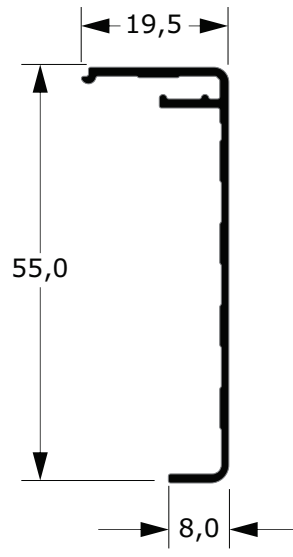




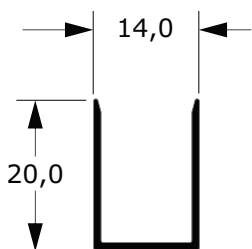
**B78-1160D**  
0,687 Kg/m



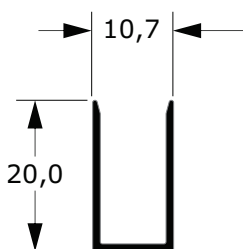
**B29-241C**  
0,593 Kg/m



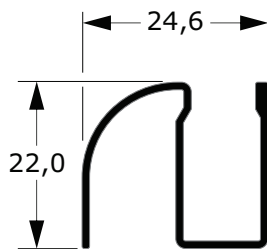
**B39-1327C**  
0,275 Kg/m



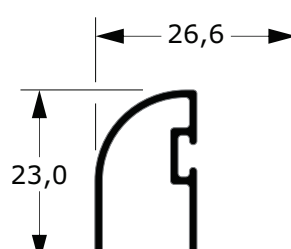
**B31-044**  
0,138 Kg/m



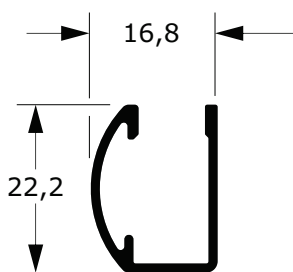
**B31-045**  
0,129 Kg/m



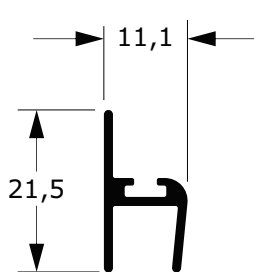
**B39-1325C**  
0,231 Kg/m



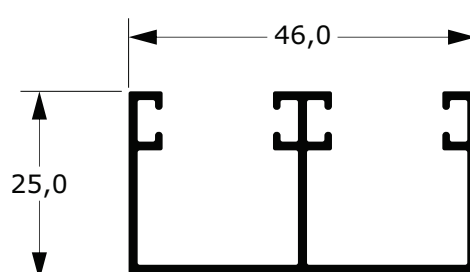
**B39-1132C**  
0,197 Kg/m



**B39-335**  
0,217 Kg/m

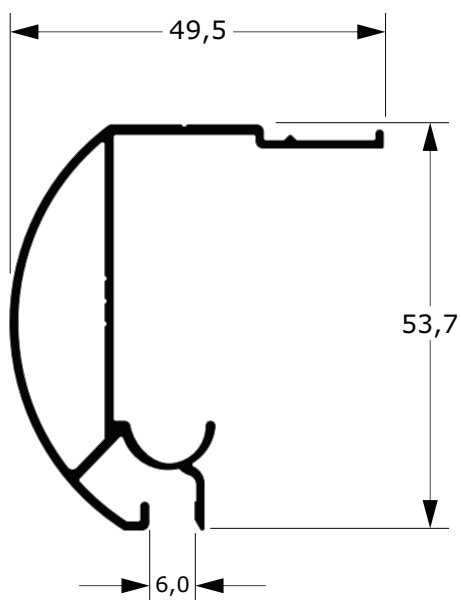


**B60-014**  
0,160 Kg/m

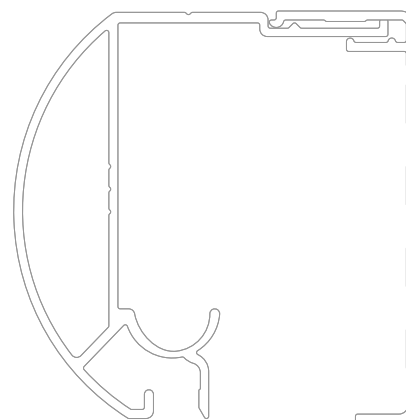
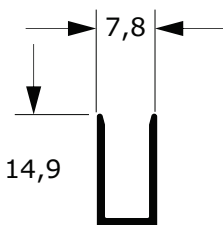


**B39-1271C**  
0,501 Kg/m

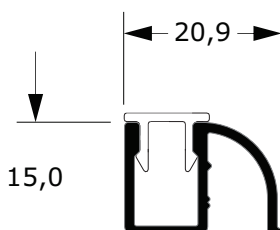


**B78-1293D**

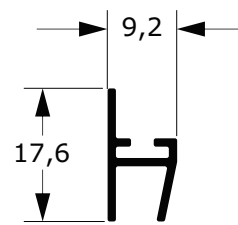
0,605 Kg/m

Esquema  
de Montagem**B31-066C**

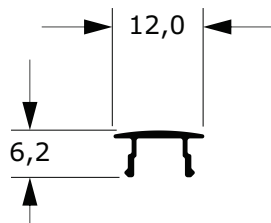
0,089 Kg/m

**B39-1382C**

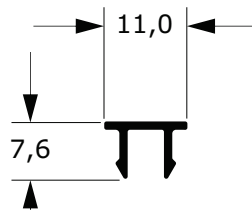
0,218 Kg/m

**B39-1383C**

0,118 Kg/m

**B39-336**

0,055 Kg/m

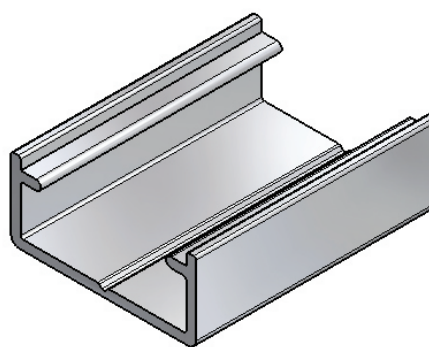
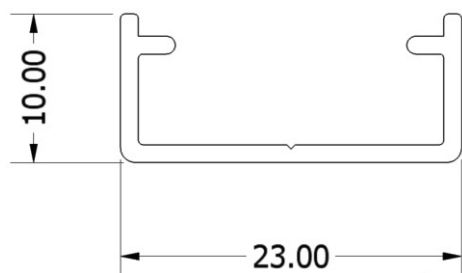
**B39-1381C**

0,072 Kg/m

# MUXARABI / RIPADO

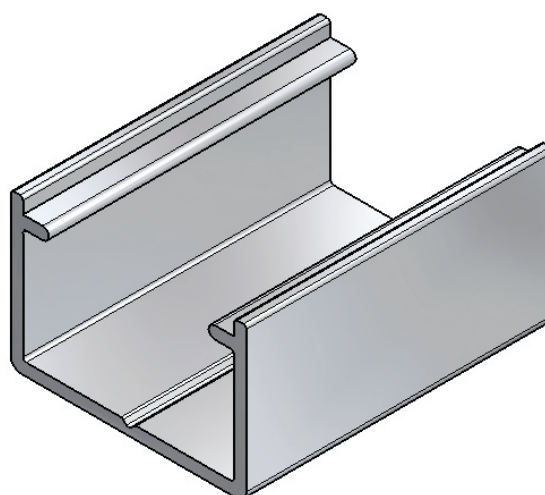
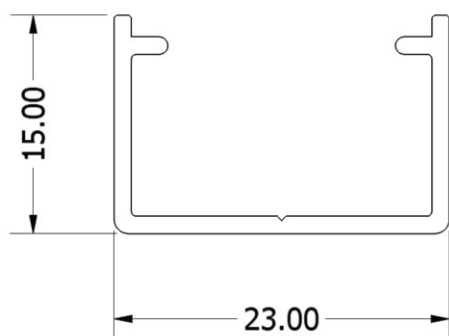
**B31-128C**

0,145 kg/m



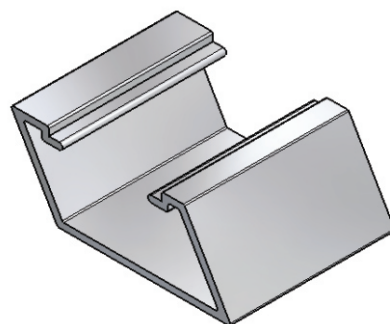
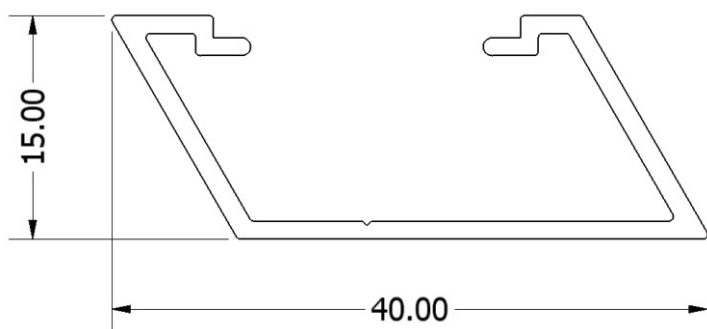
**B31-129C**

0,170 kg/m



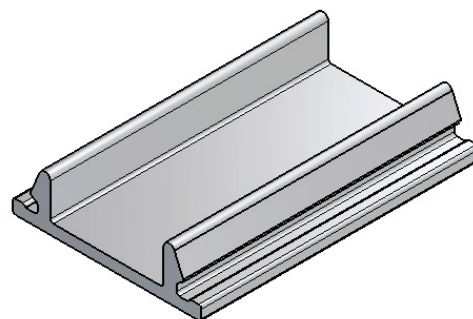
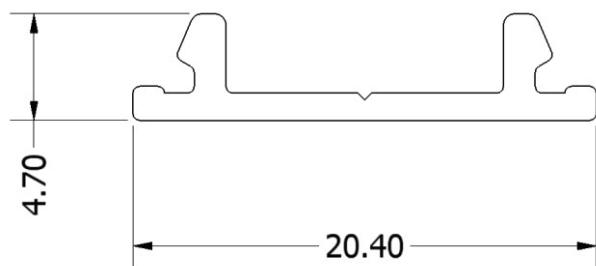
**B39-2370C**

0,274 kg/m



**B19-1119C**

0,100 kg/m

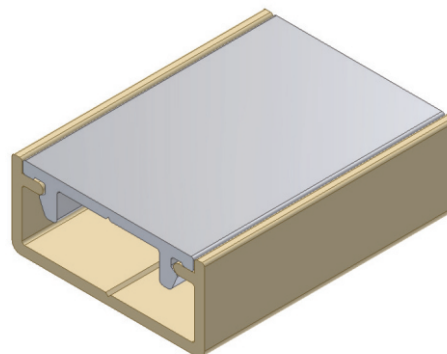


**MONTAGEM**  
MUXARABI

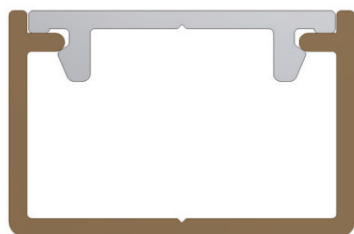
B19-1119C



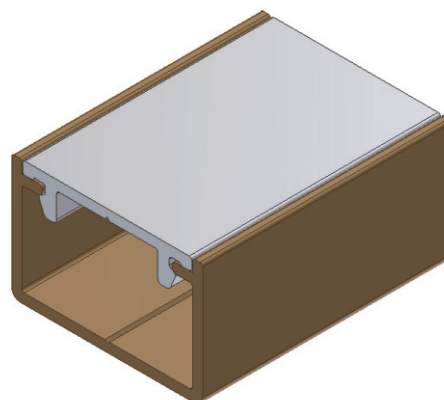
B31-128C



B19-1119C



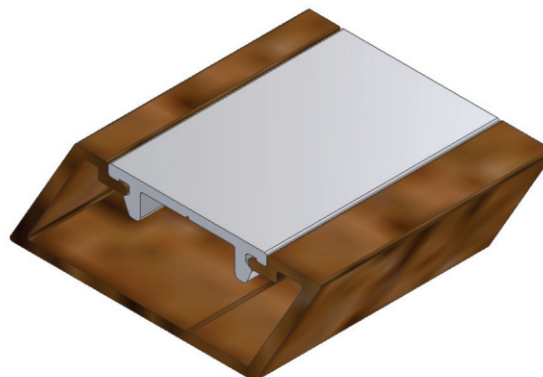
B31-129C



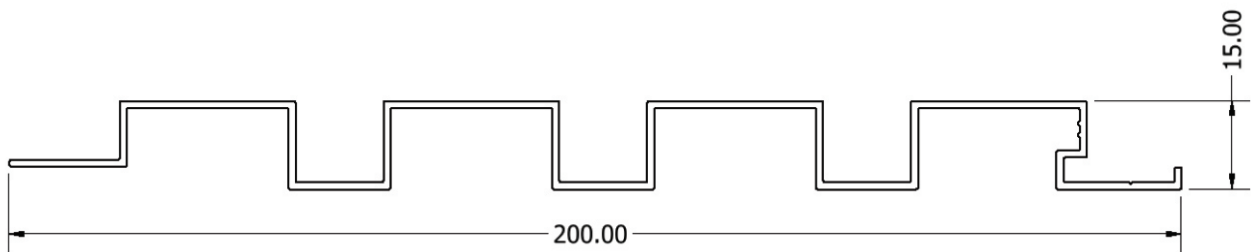
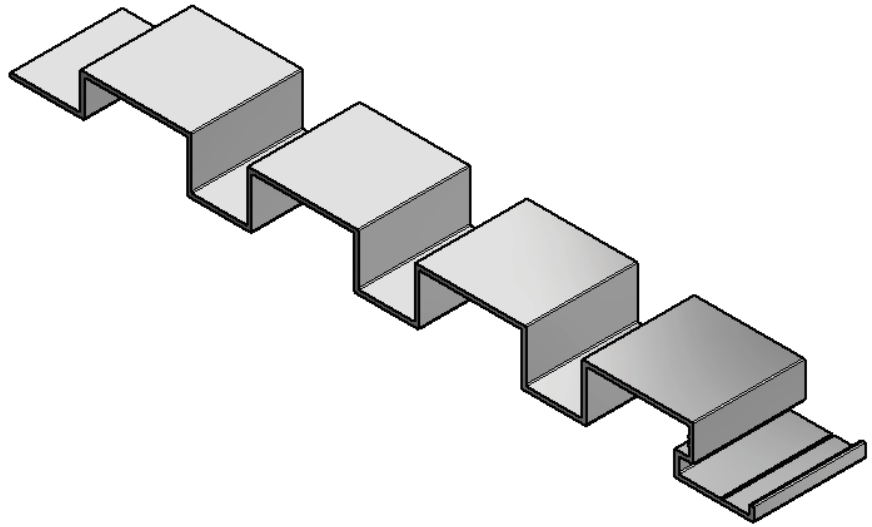
B19-1119C



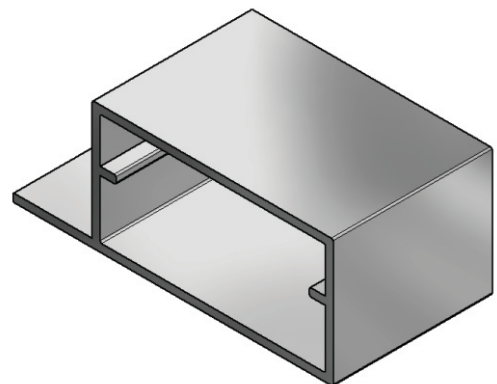
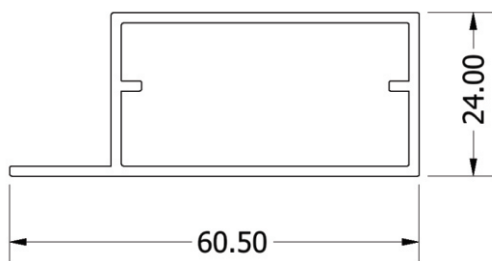
B39-2370C



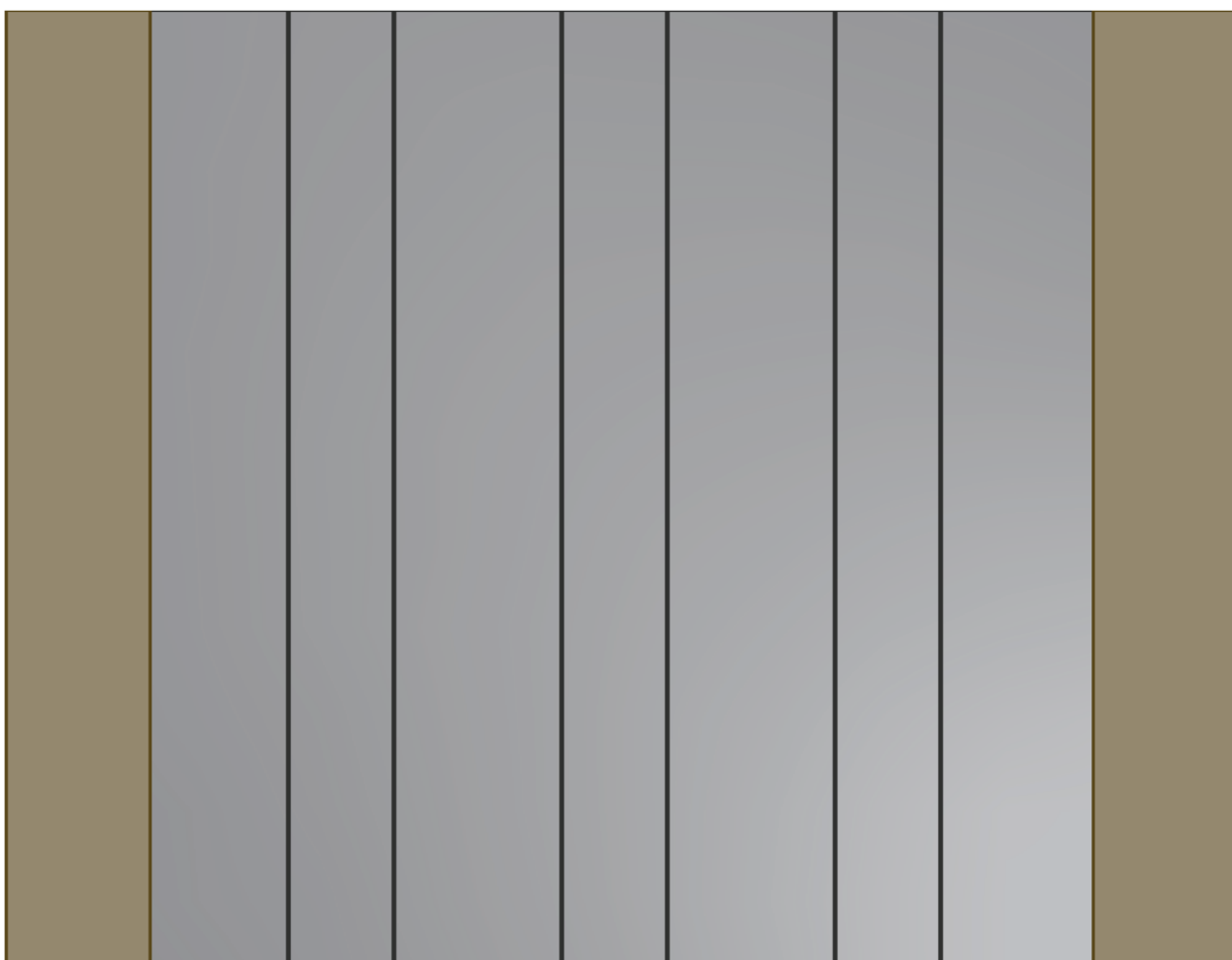
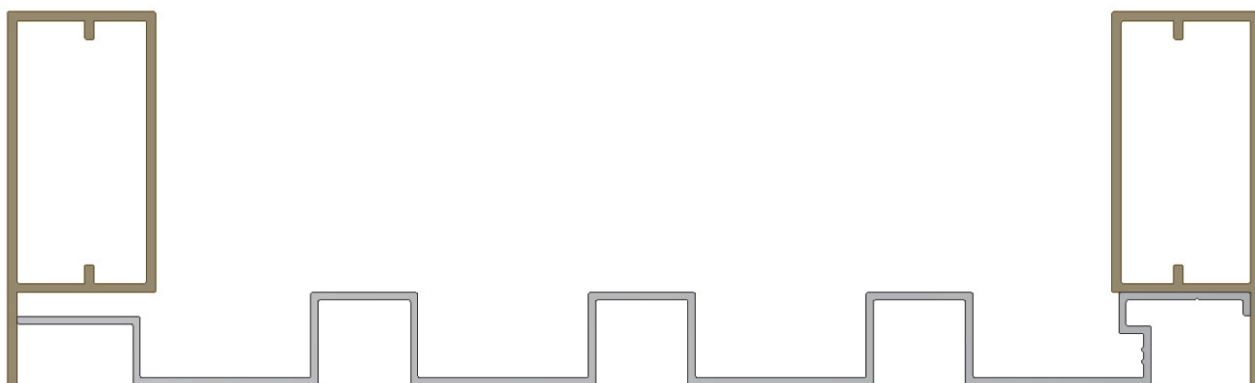
**B19-1078D**  
1,030 kg/m



**B78-2391C**  
0,626 kg/m

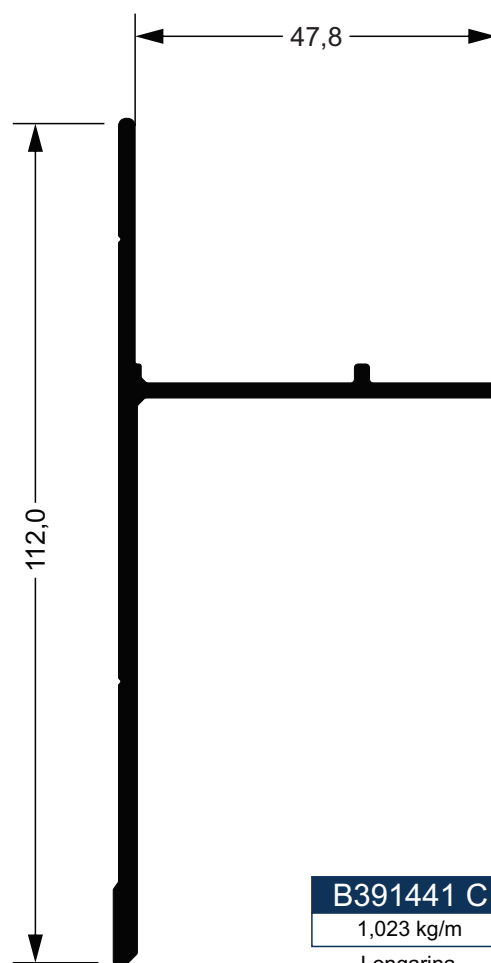
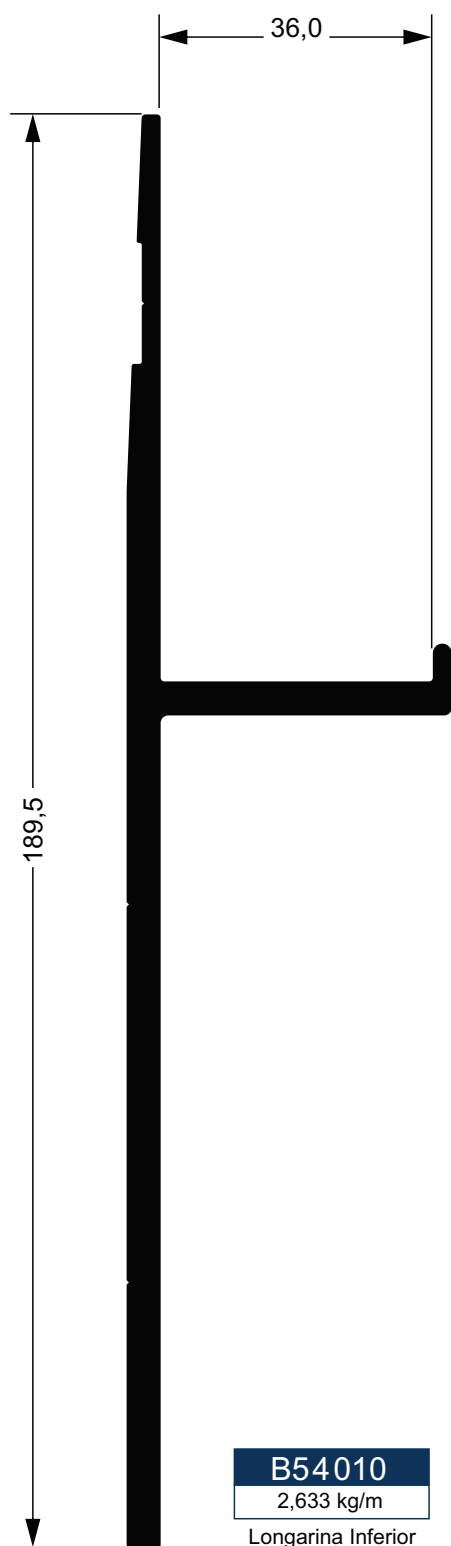


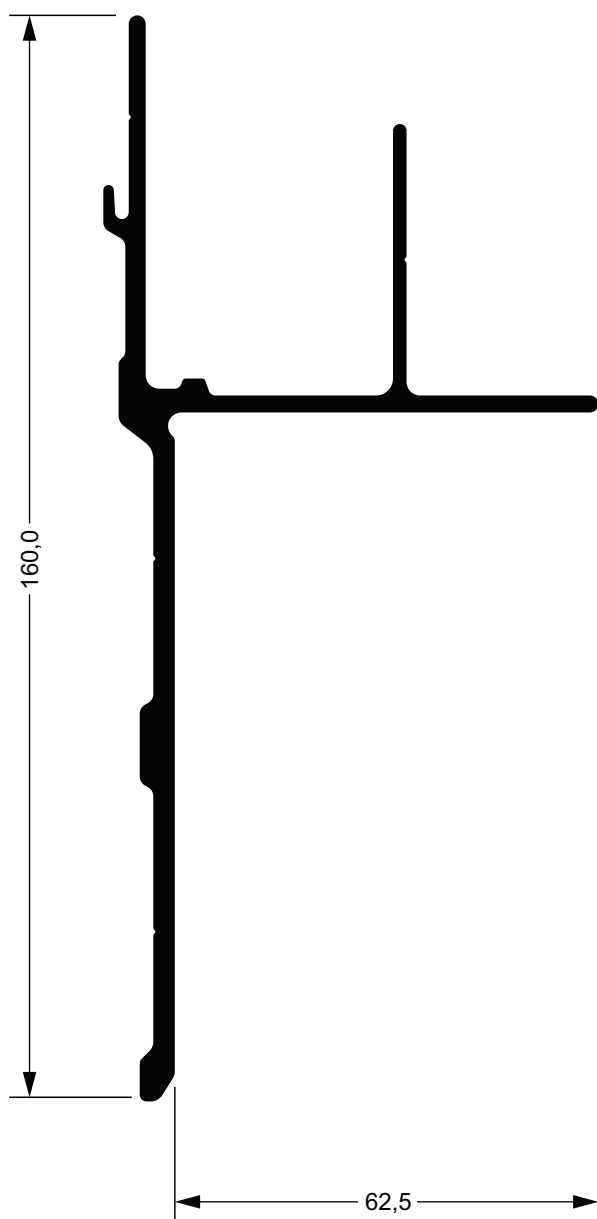
**MONTAGEM**  
RIPADO



# IMPLEMENTOS RODOVIÁRIOS

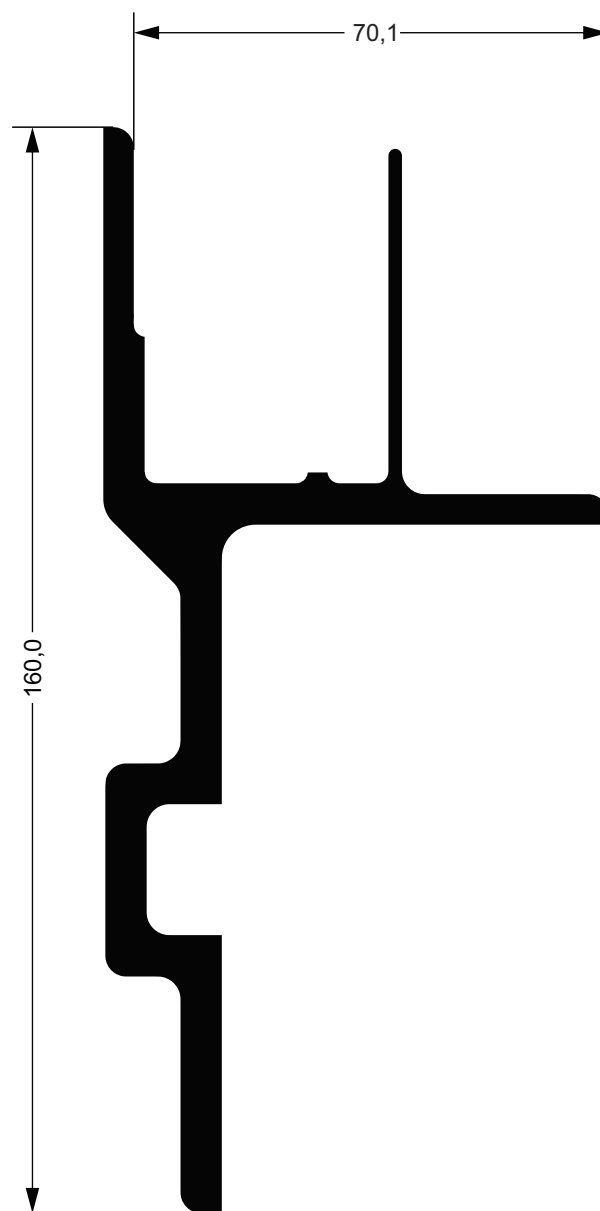






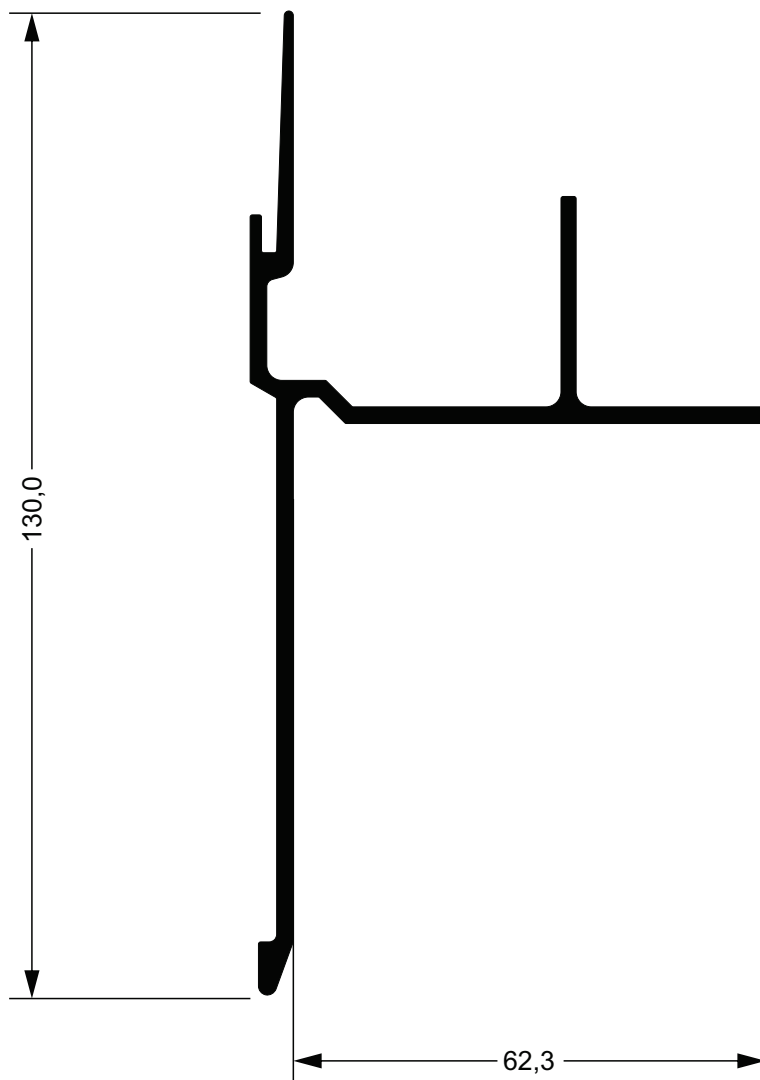
**B391496 D**  
2,215 kg/m

Longarina Inferior

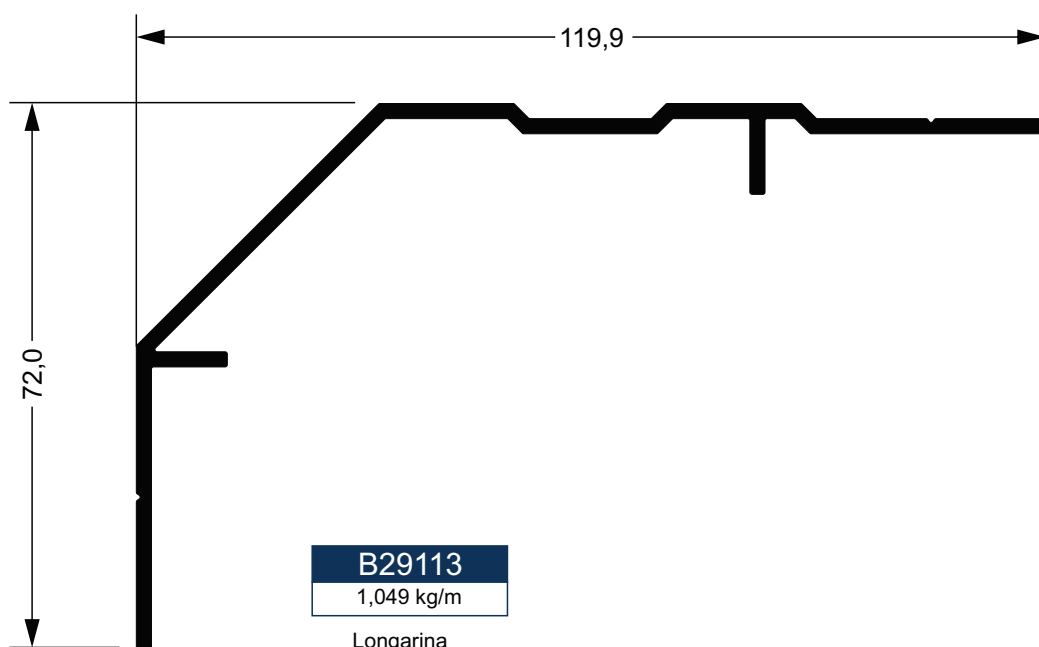


**B39325**  
4,470 Kg/m

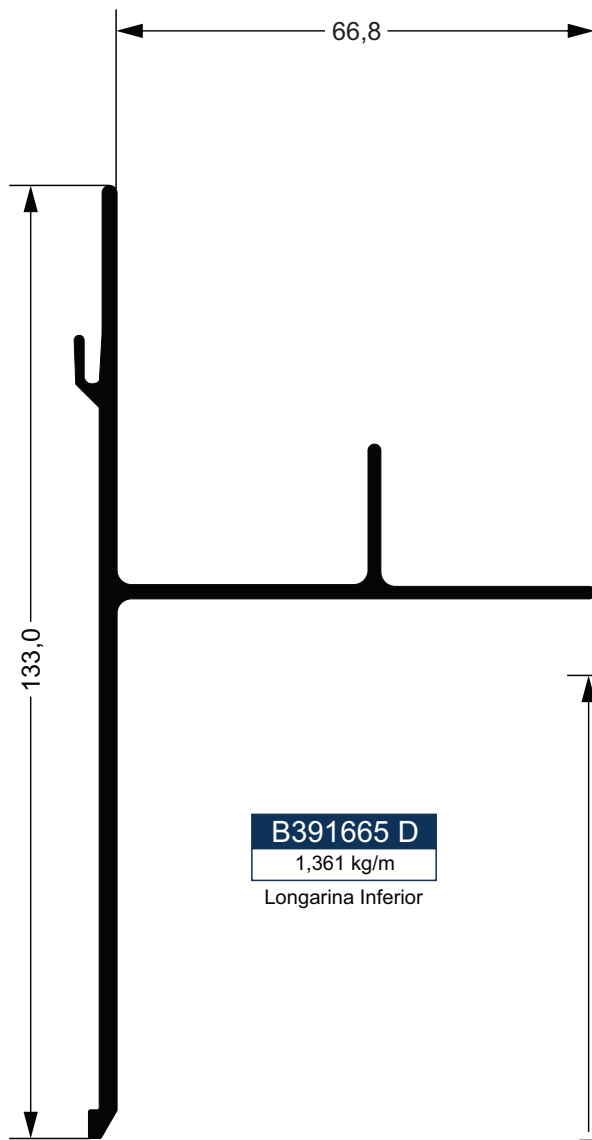
Longarina Inferior Pesada



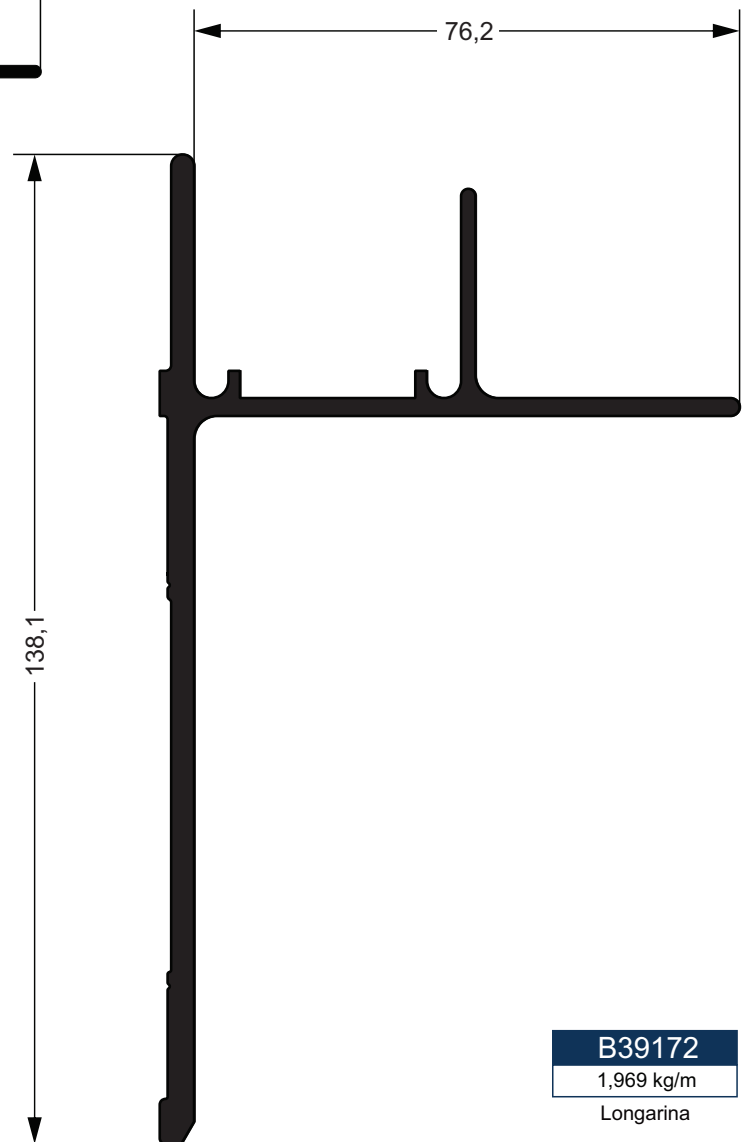
**B391664 D**  
1,354 kg/m  
Longarina Inferior



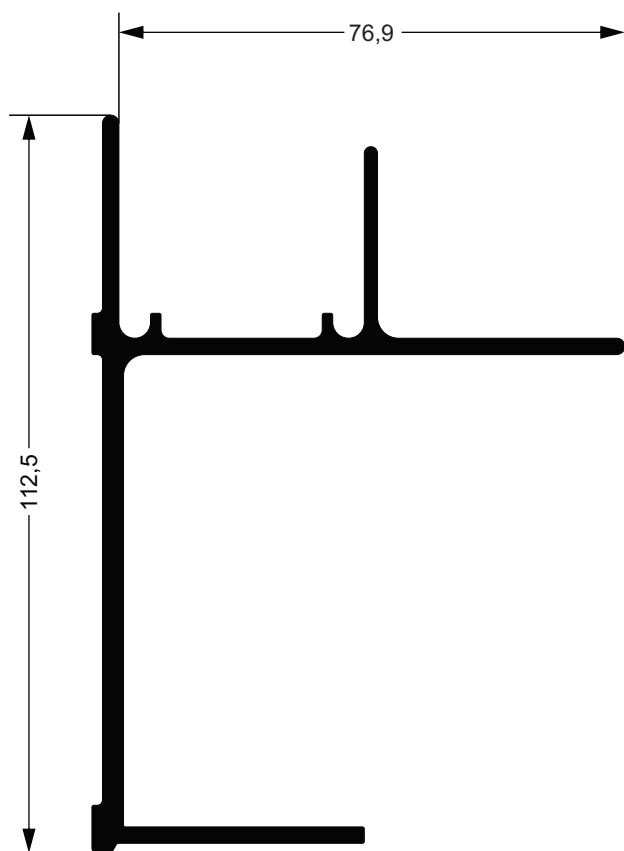
**B29113**  
1,049 kg/m  
Longarina



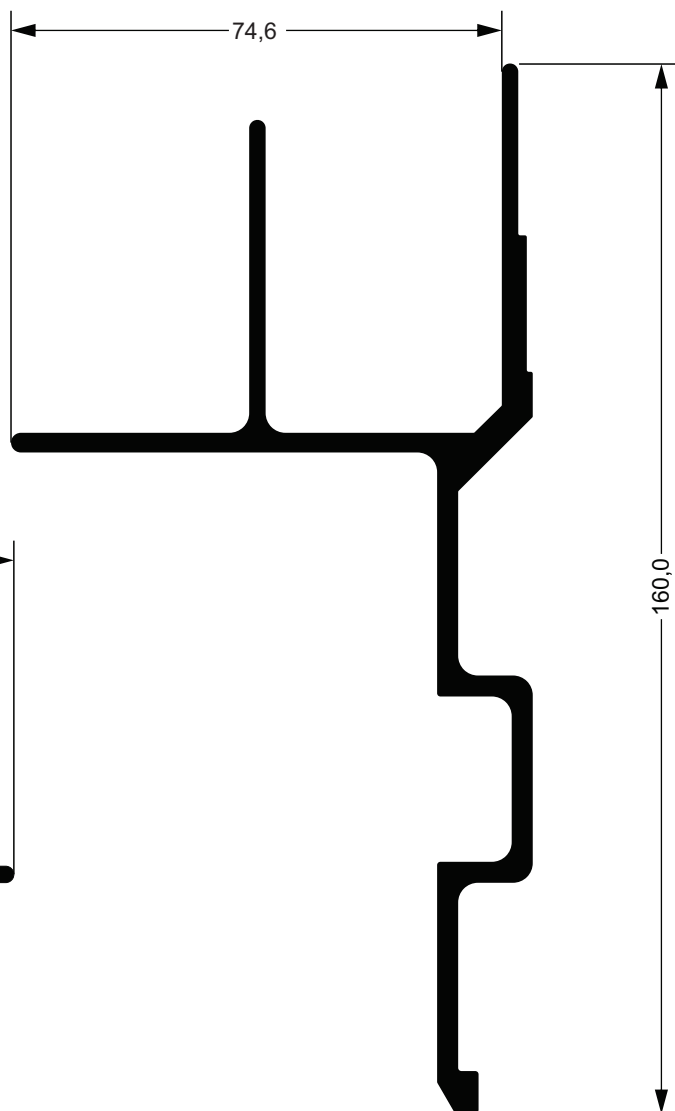
**B391665 D**  
1,361 kg/m  
Longarina Inferior



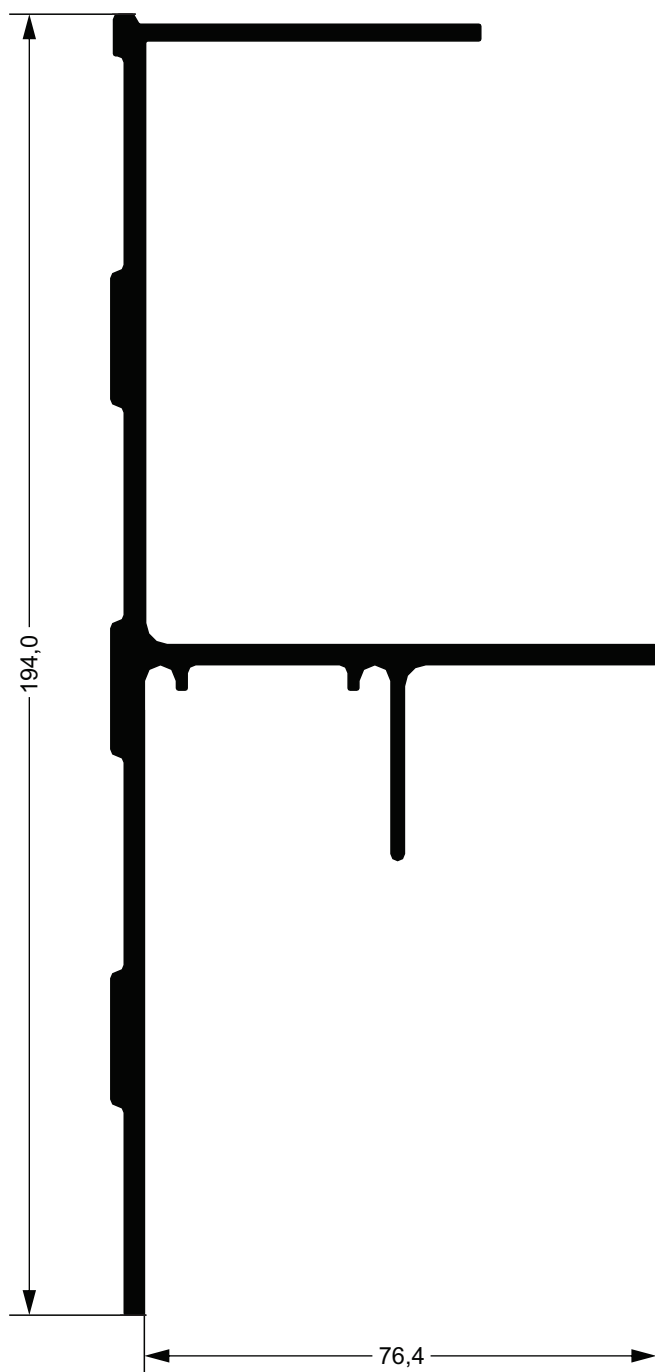
**B39172**  
1,969 kg/m  
Longarina



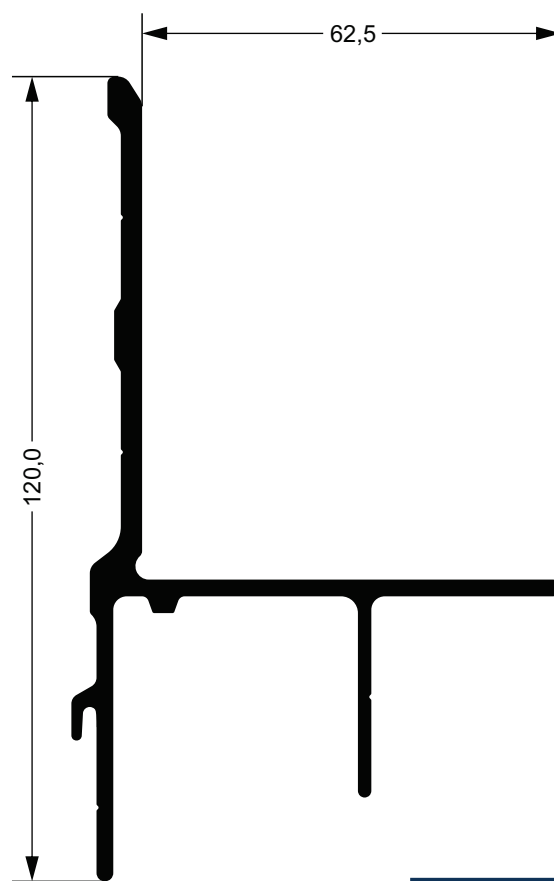
**B39316**  
1,942 kg/m  
Longarina Inferior



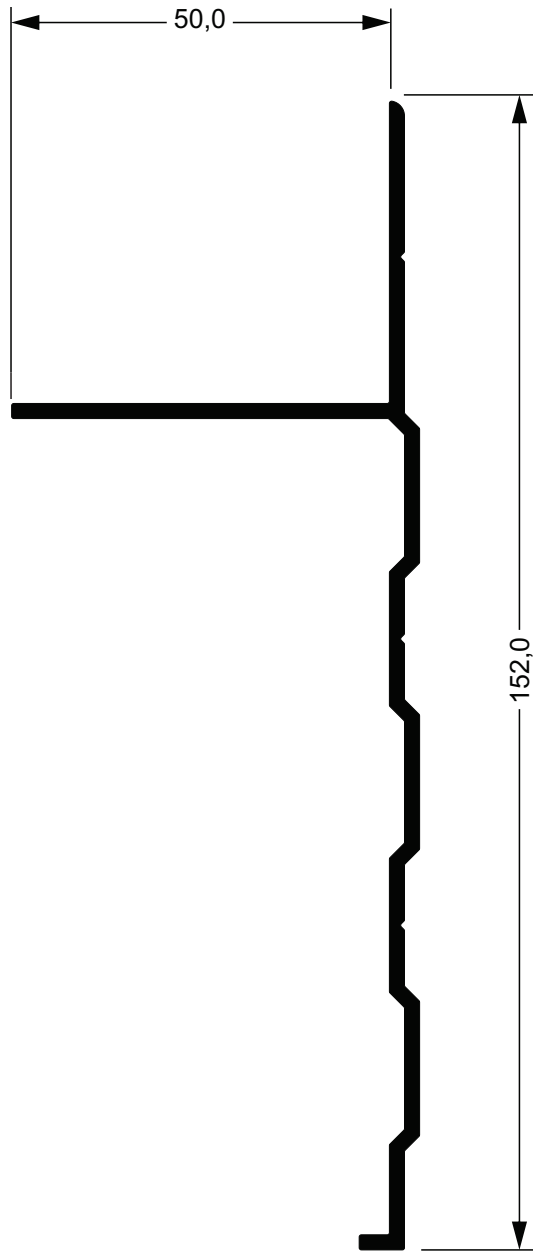
**B391568 D**  
2,635 kg/m  
Longarina



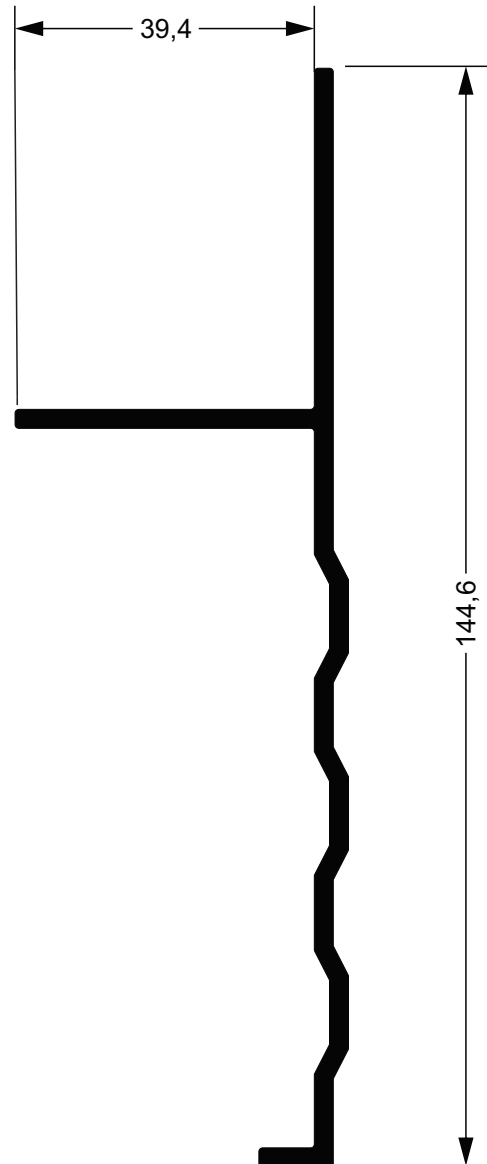
**B392067 C**  
3,151 kg/m  
Longarina



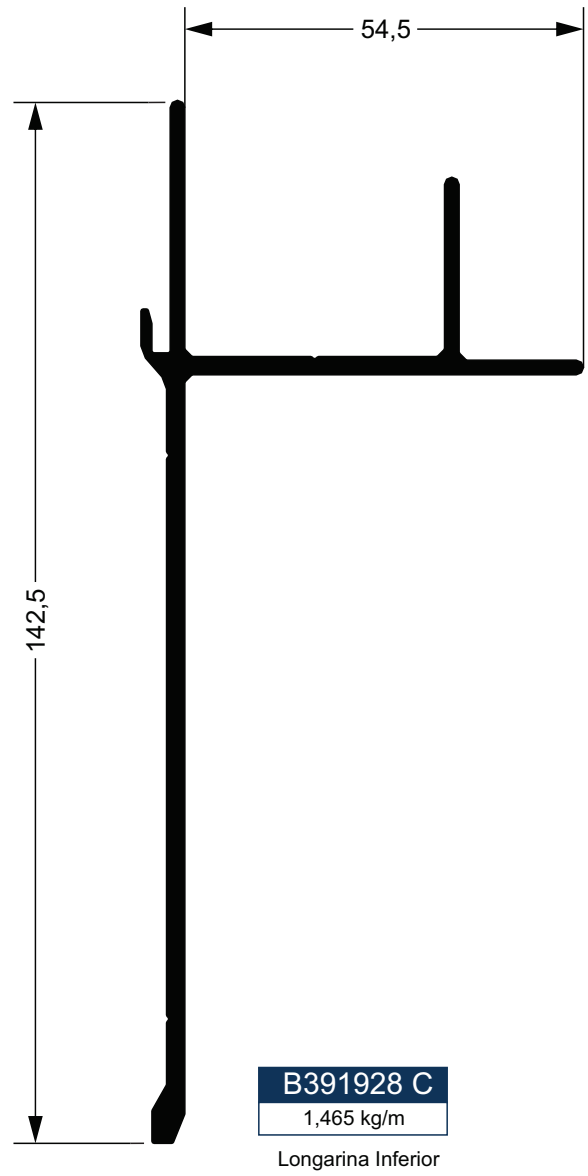
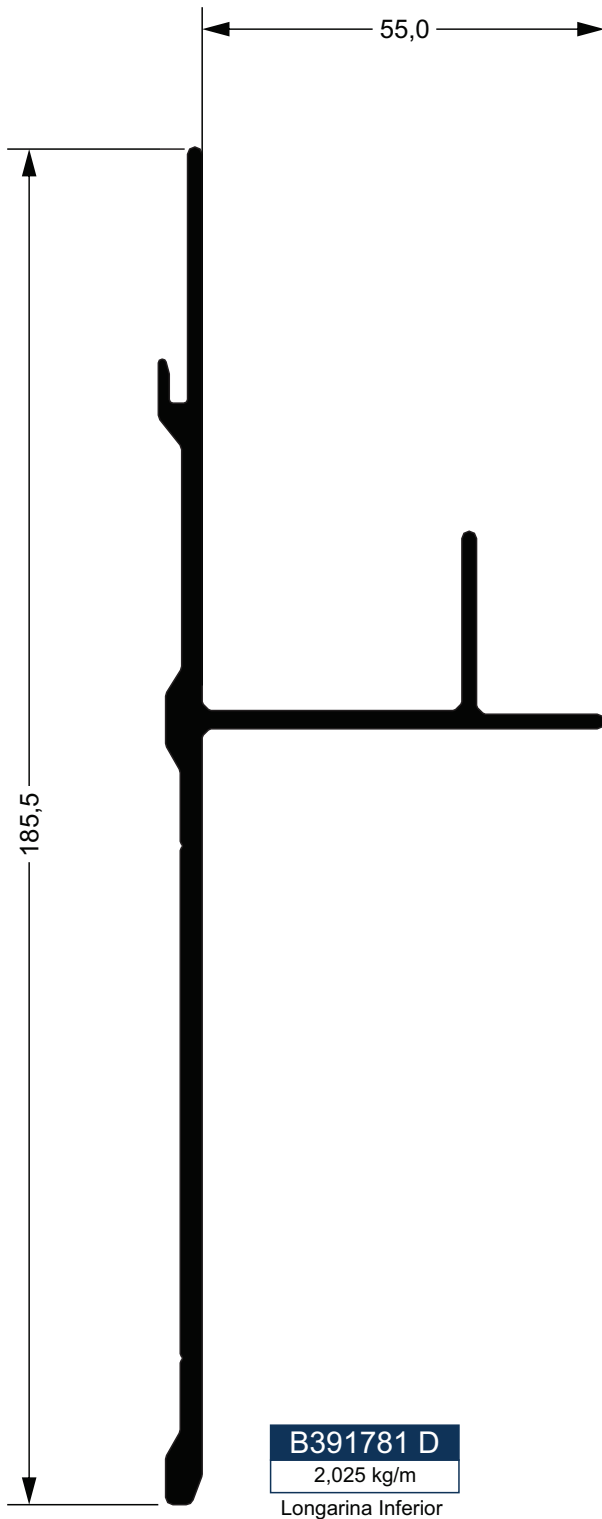
**B391497C**  
1,748 kg/m  
Longarina Superior



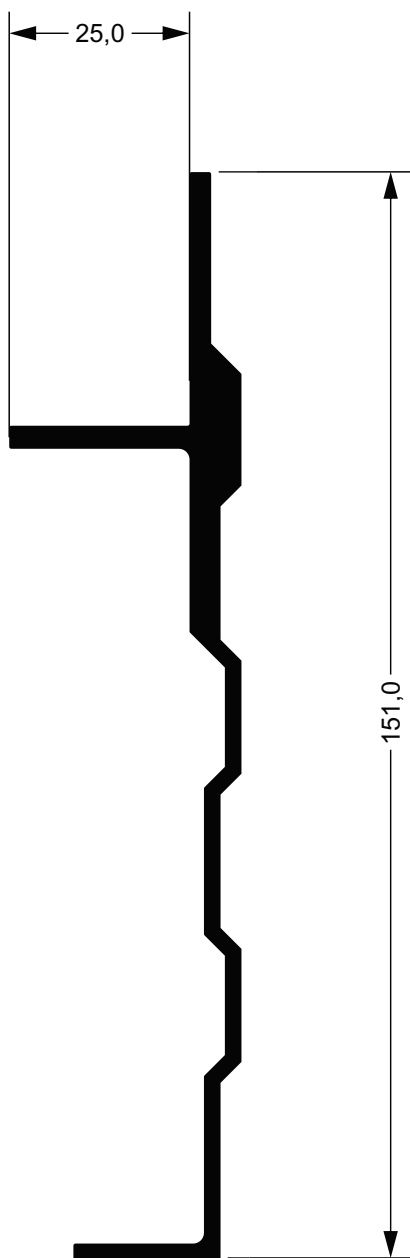
**B29112**  
1,138 kg/m  
Longarina Inferior



**B391187 C**  
1,314 kg/m  
Longarina Inferior

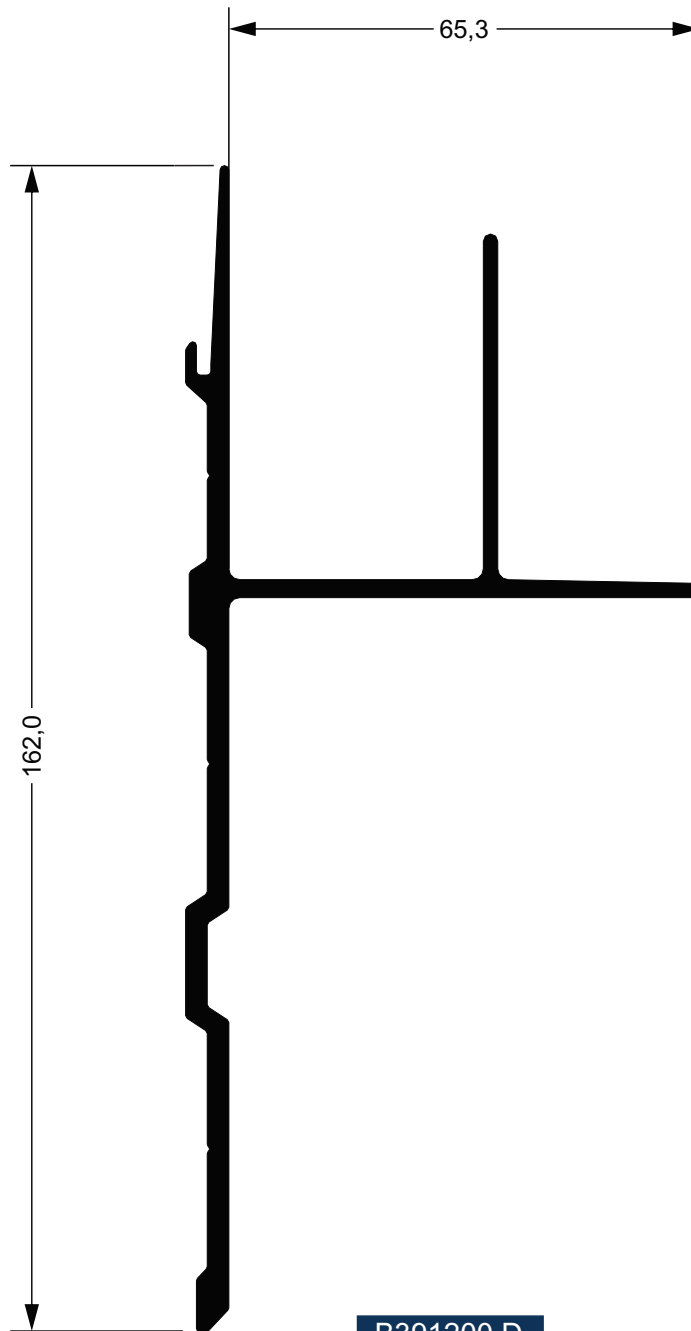






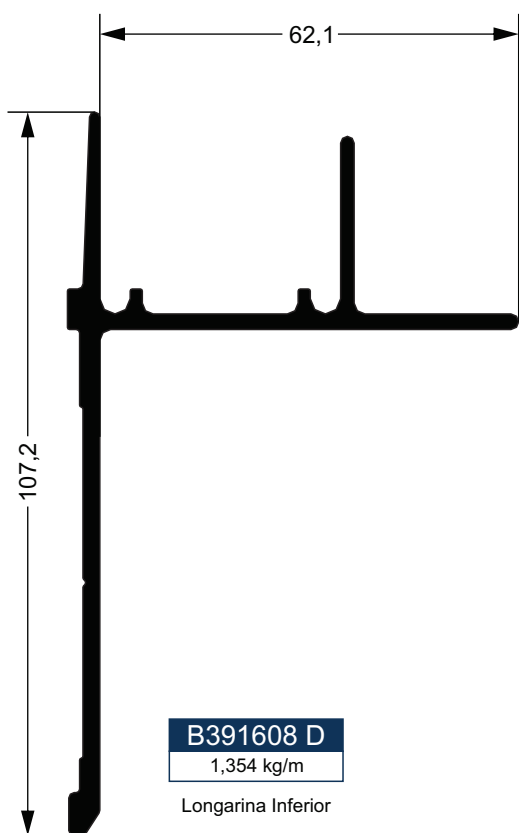
**B19364**  
1,712 kg/m

Longarina Inferior



**B391200 D**  
2,073 kg/m

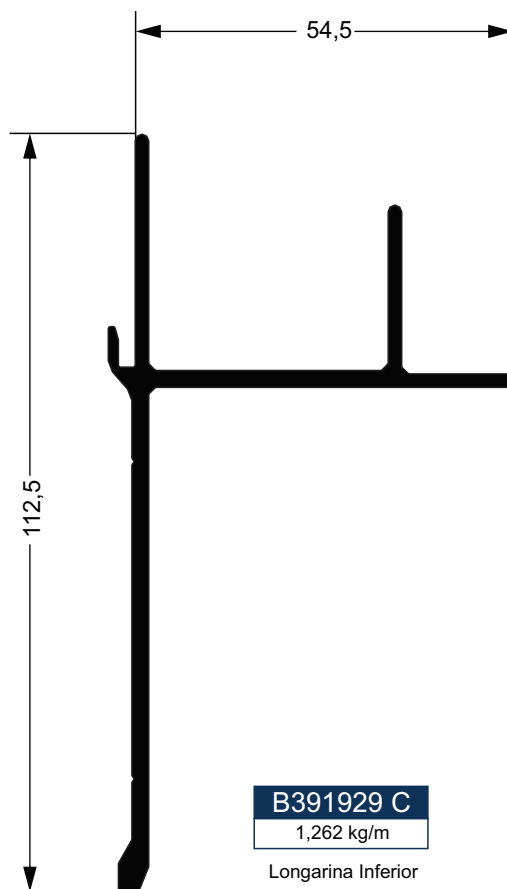
Longarina



**B391608 D**

1,354 kg/m

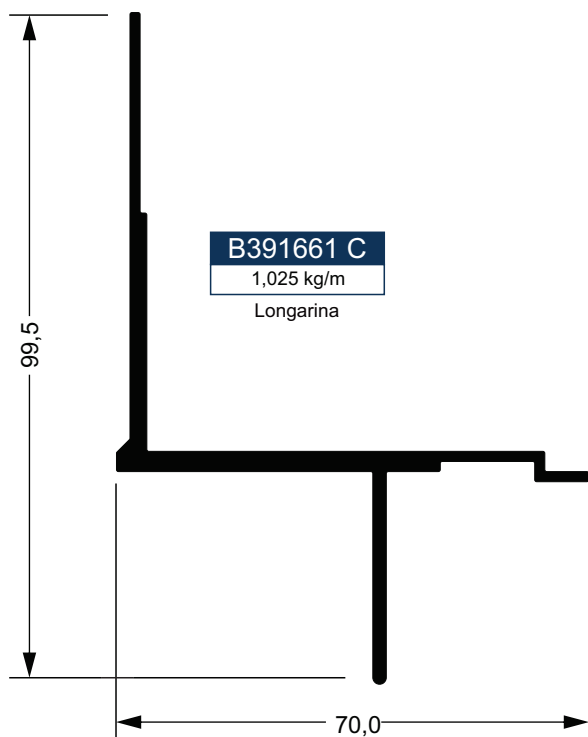
Longarina Inferior



**B391929 C**

1,262 kg/m

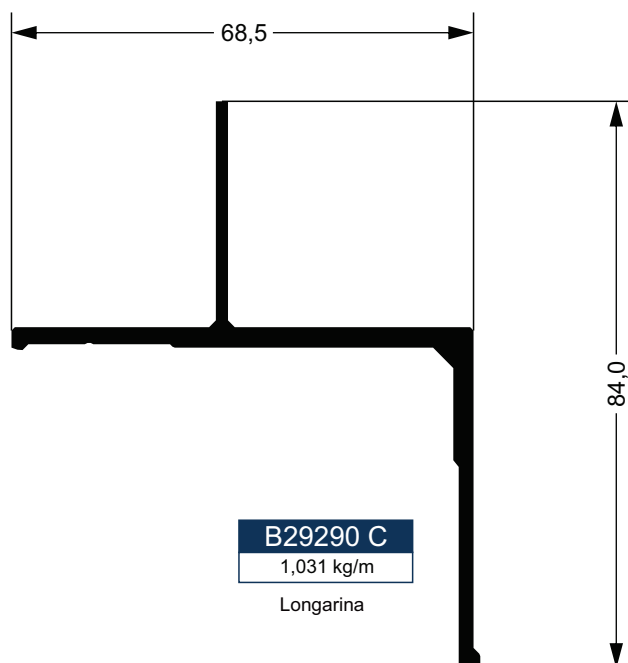
Longarina Inferior



**B391661 C**

1,025 kg/m

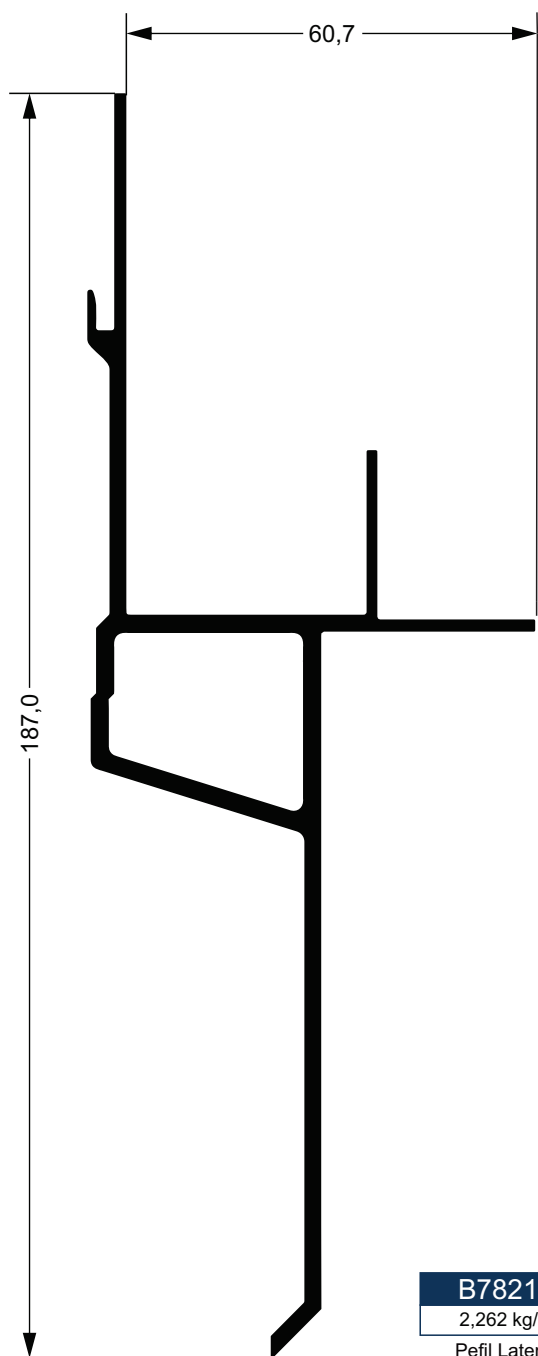
Longarina



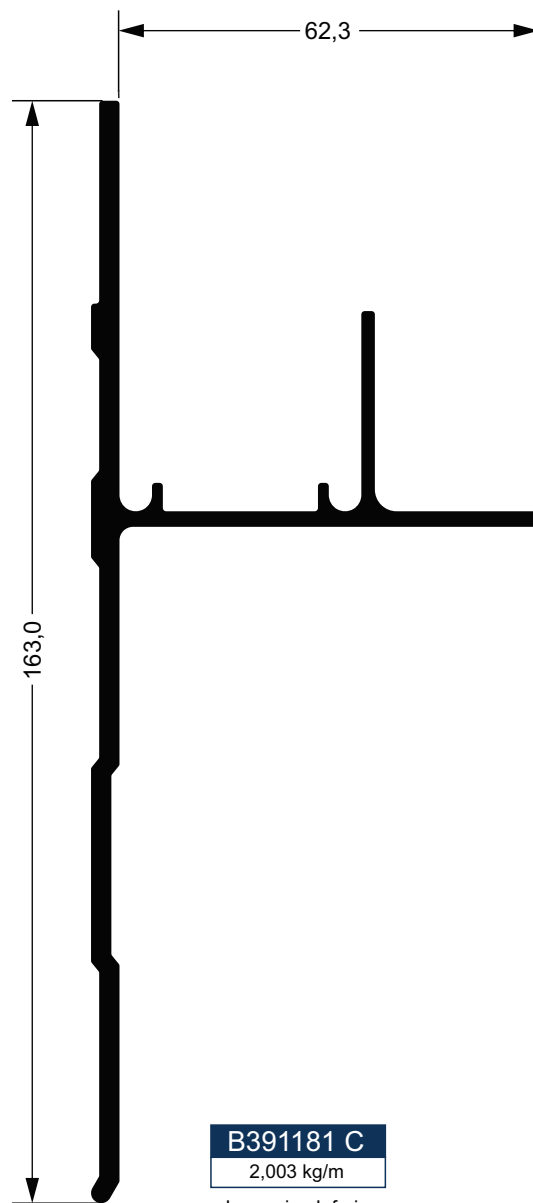
**B29290 C**

1,031 kg/m

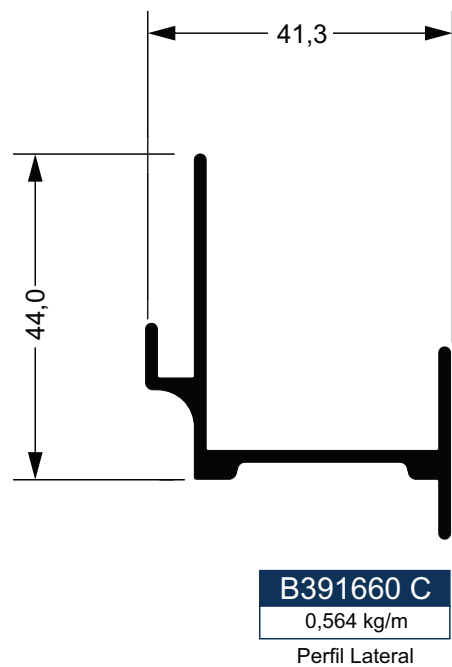
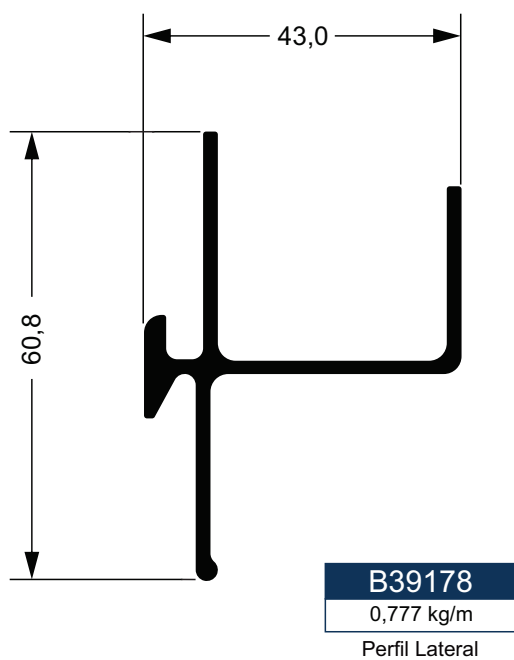
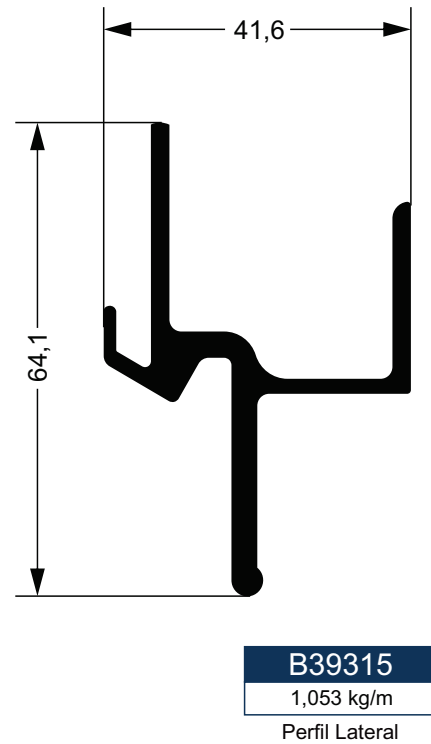
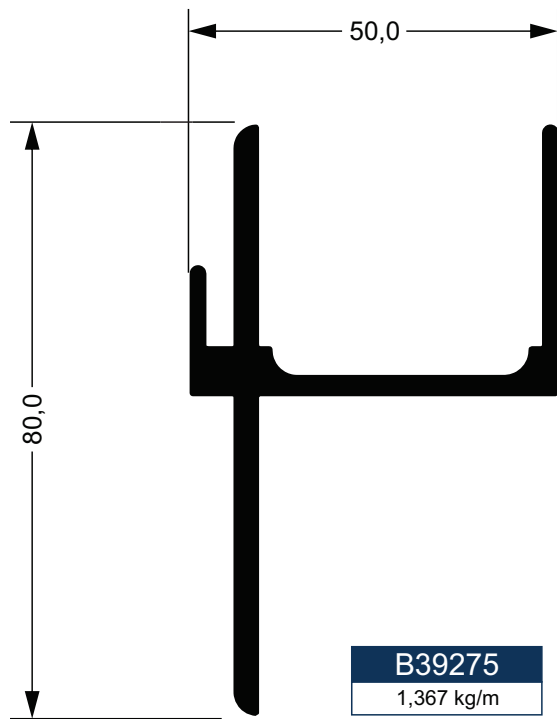
Longarina

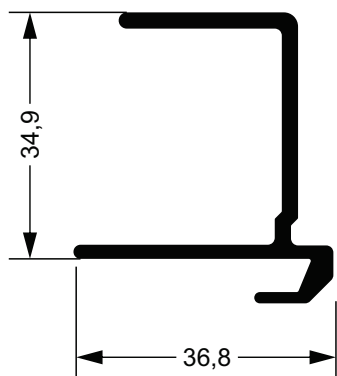


**B78215**  
2,262 kg/m  
Pefil Lateral

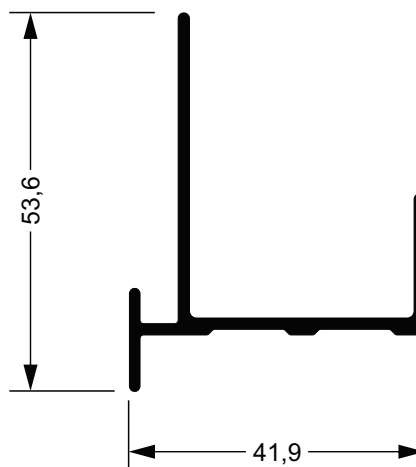


**B391181 C**  
2,003 kg/m  
Longarina Inferior

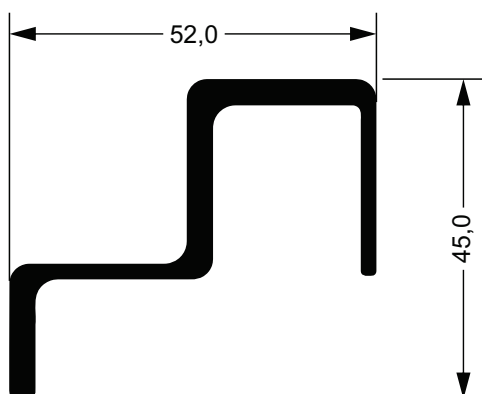




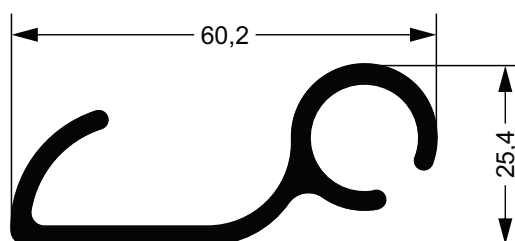
**B39687**  
0,627 kg/m  
Perfil Lateral



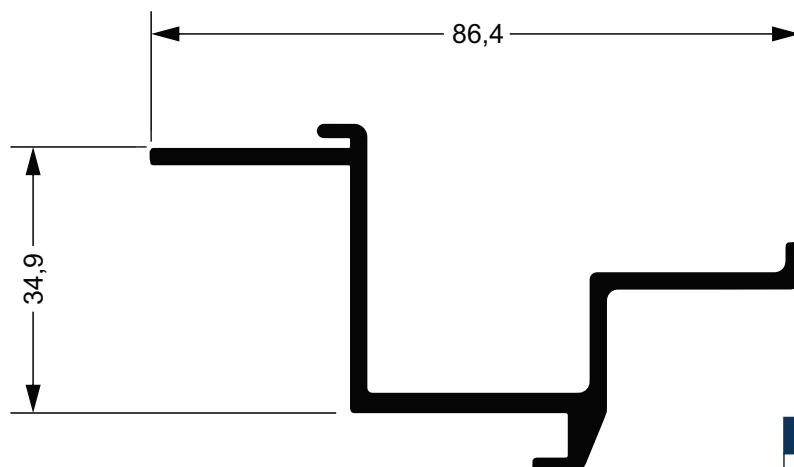
**B391440 C**  
0,525 kg/m  
Acabamento Lateral



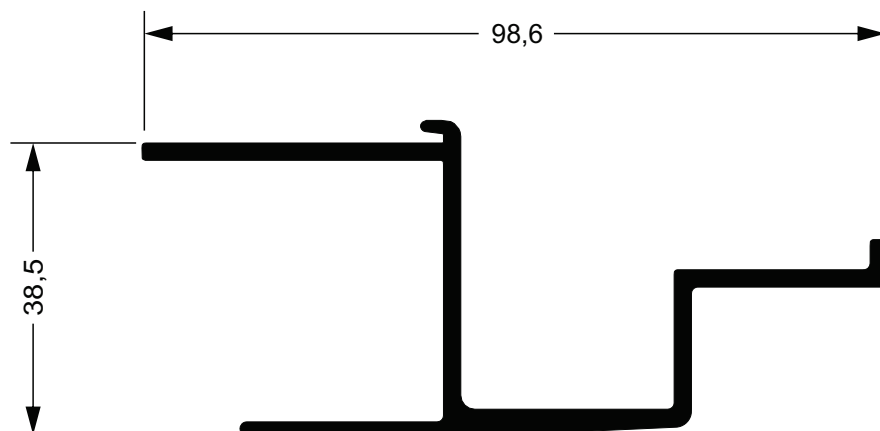
**B39103**  
1,062 kg/m  
Perfil Lateral  
Quadro Lateral



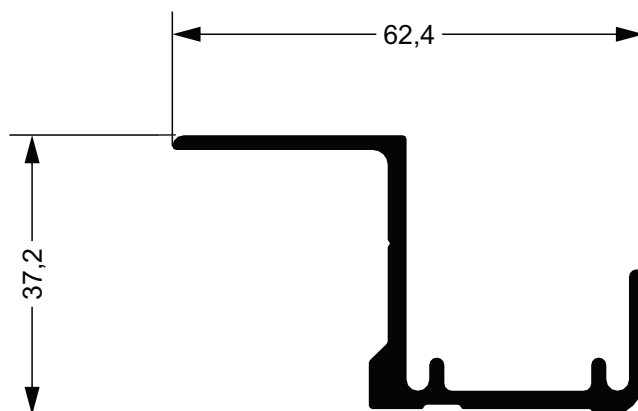
**B65269D**  
0,729 kg/m  
Perfil Lateral Sider



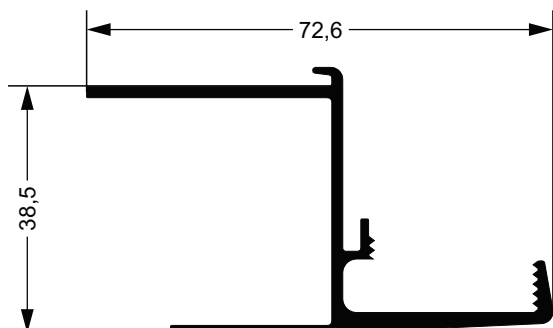
**B39313**  
0,913 kg/m  
Perfil Batente Porta



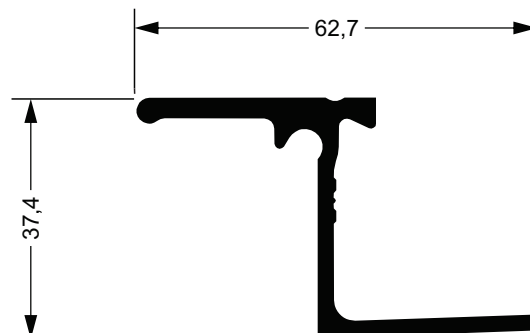
**B39339**  
1,046 kg/m  
Perfil Batente Porta



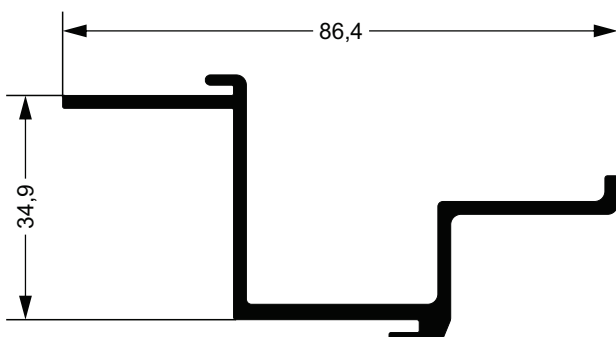
**B391198 C**  
0,809 kg/m  
Perfil Batente Porta



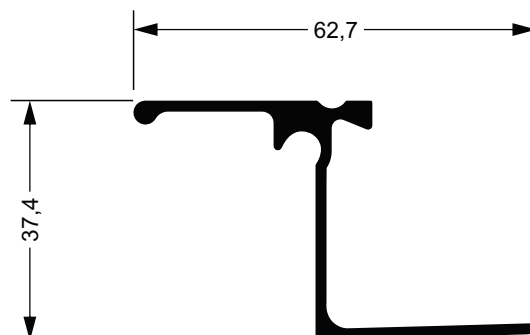
**B39340**  
0,870 kg/m  
Perfil Porta



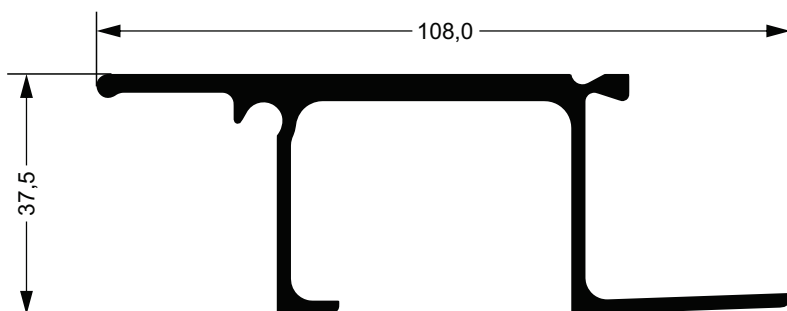
**B40005**  
0,852 kg/m  
Perfil Teto



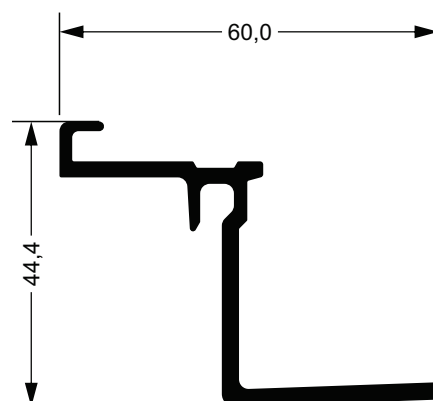
**B39-577**  
0,886 kg/m  
Perfil Batente Porta



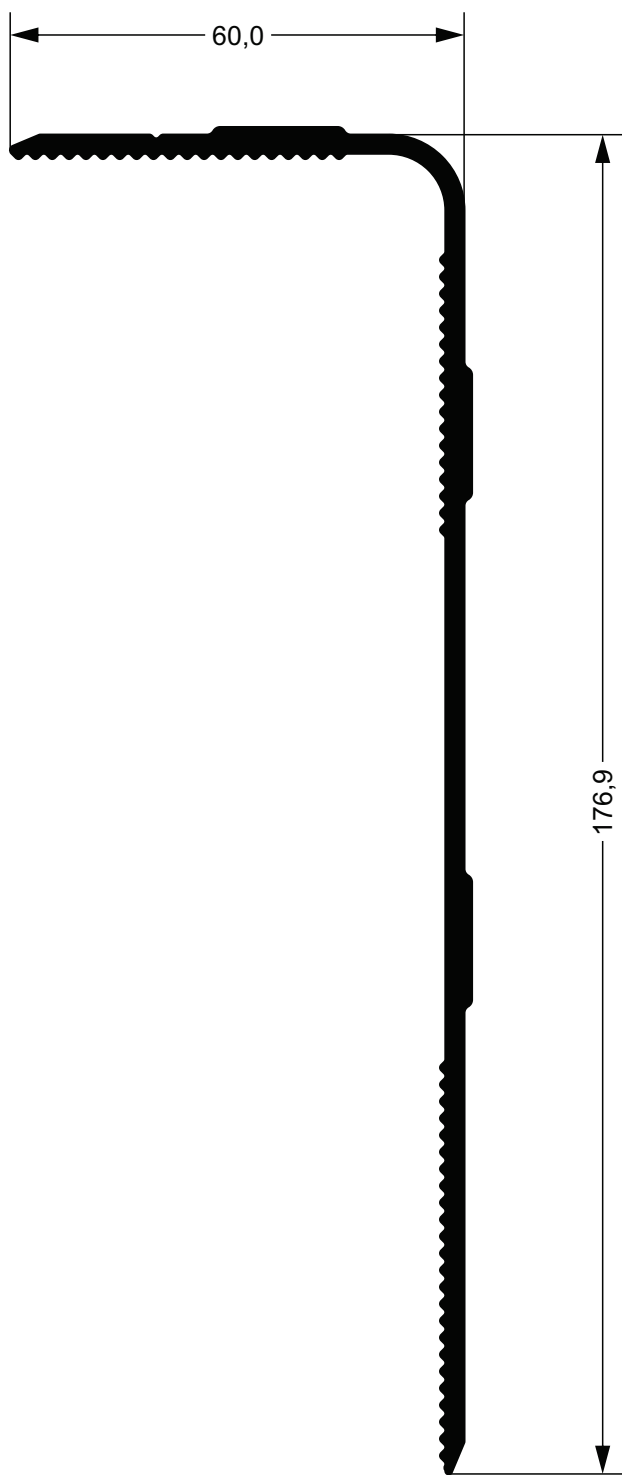
**B40007**  
0,700 kg/m  
Perfil Teto



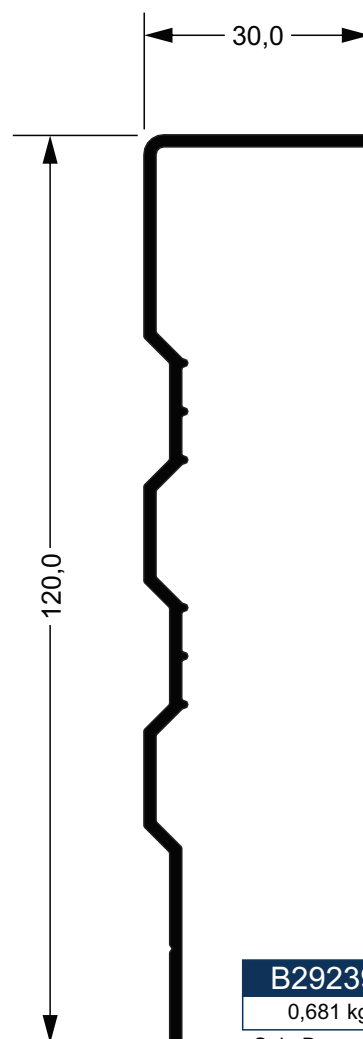
**B39173**  
1,681 kg/m  
Perfil Teto



**B39685**  
0,797 kg/m  
Perfil Teto

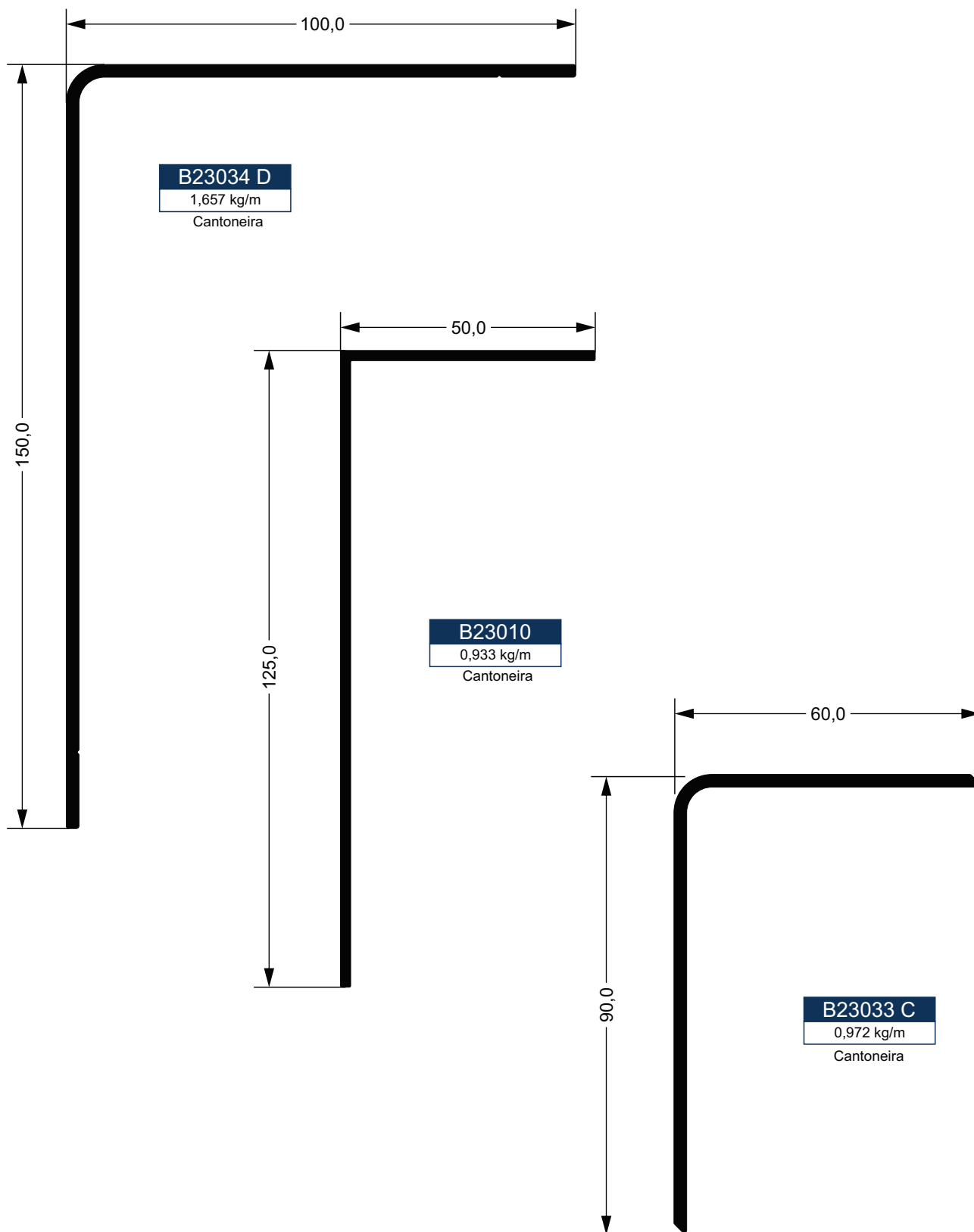


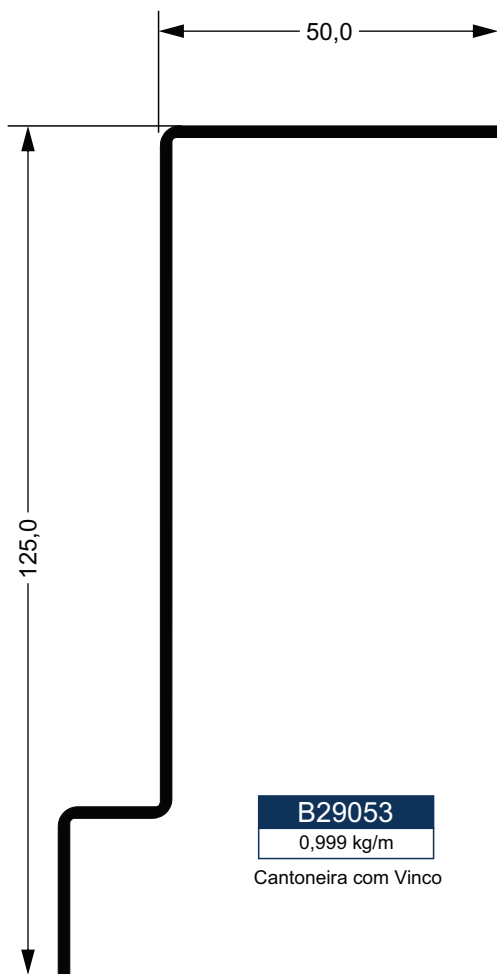
**B29274 D**  
1,811 kg/m  
Saia Externa Grande



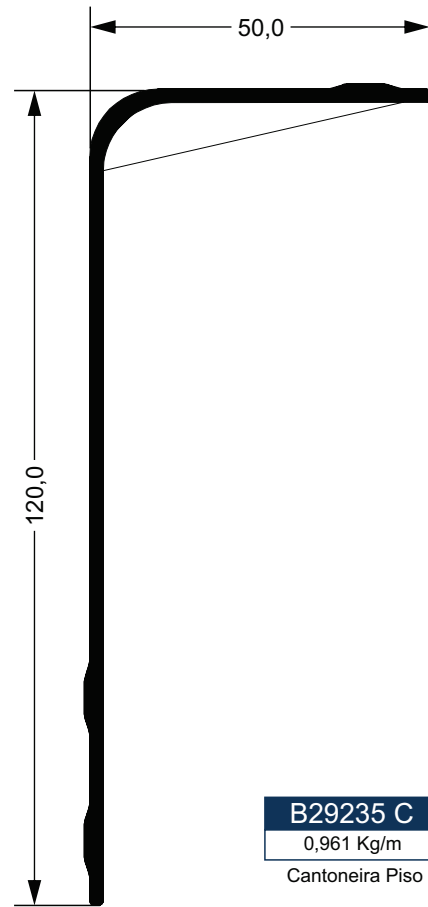
**B29239 C**  
0,681 kg/m  
Saia Barranqueira



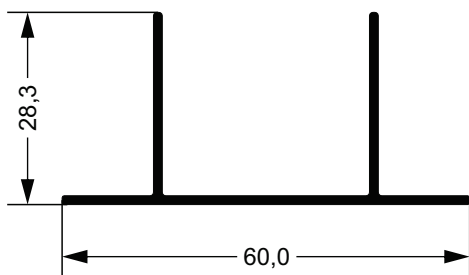




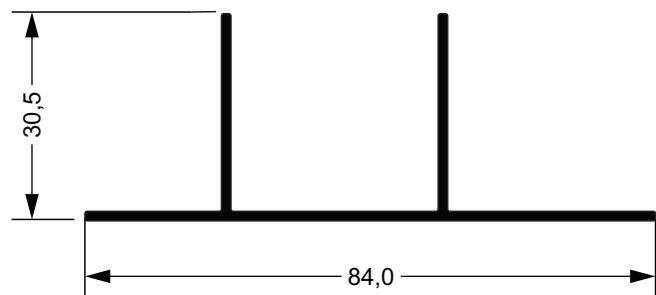
**B29053**  
0,999 kg/m  
Cantoneira com Vinco



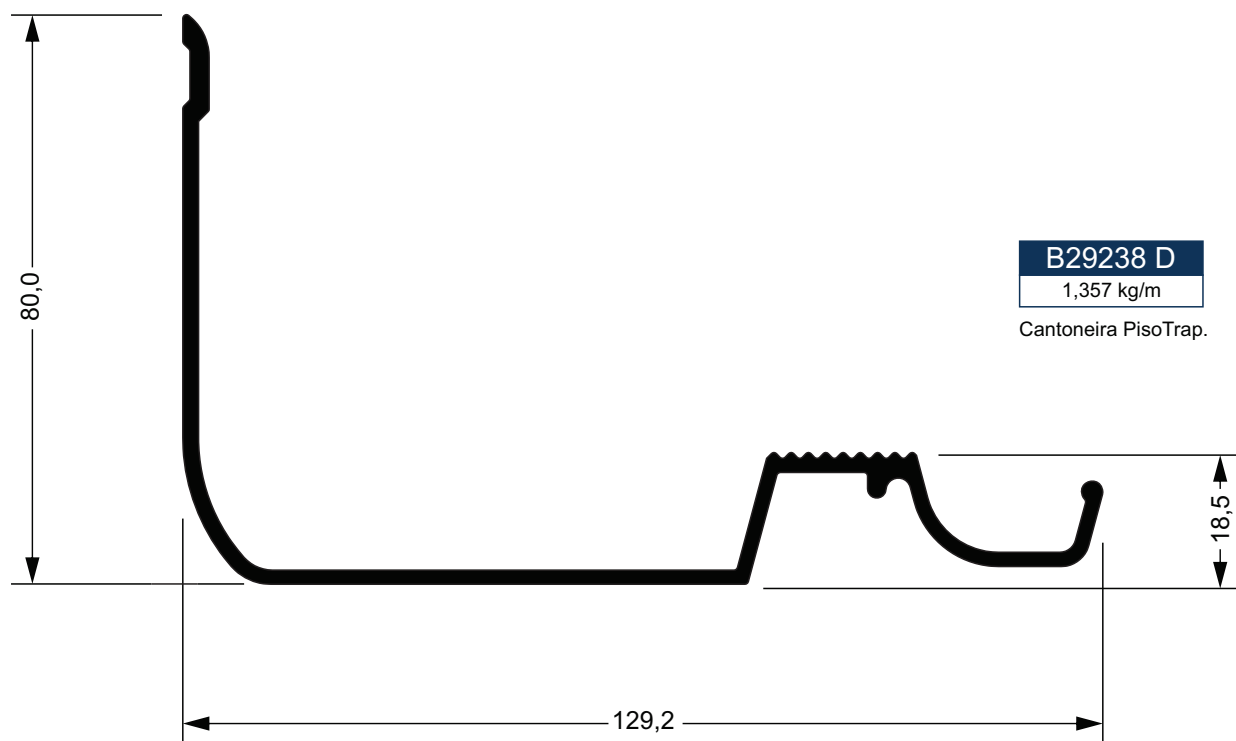
**B29235 C**  
0,961 Kg/m  
Cantoneira Piso



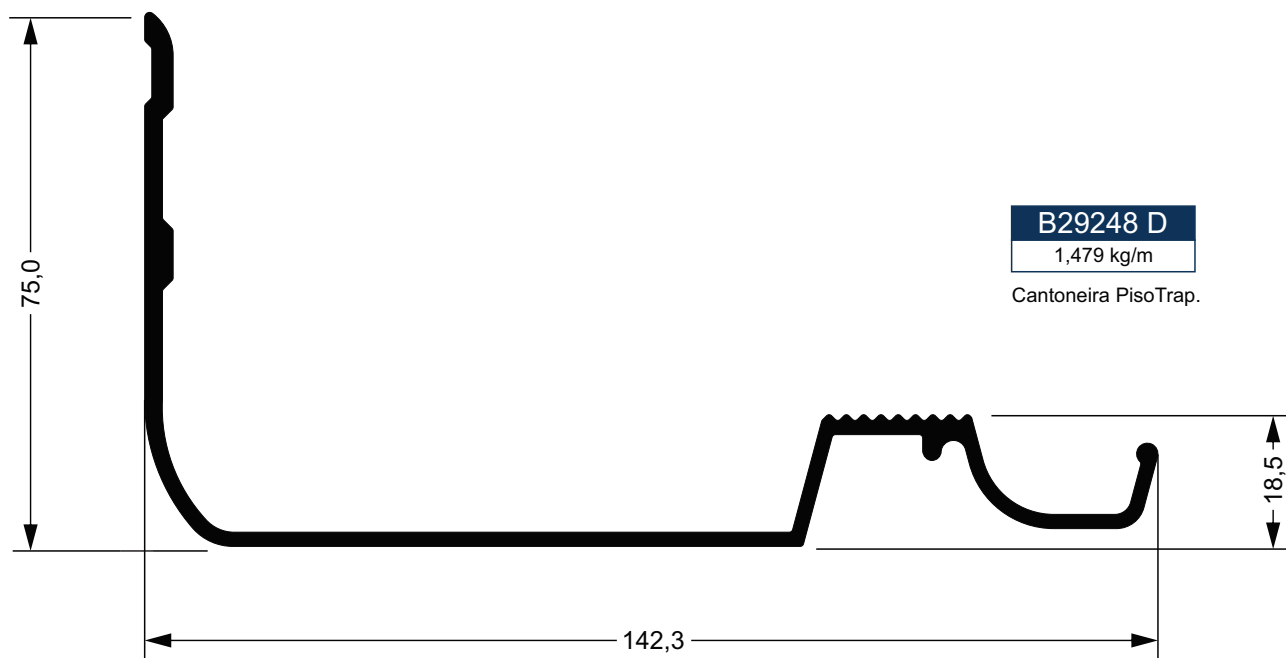
**B35015 C**  
0,401 kg/m  
Suporte Vertical  
Protetor Lateral



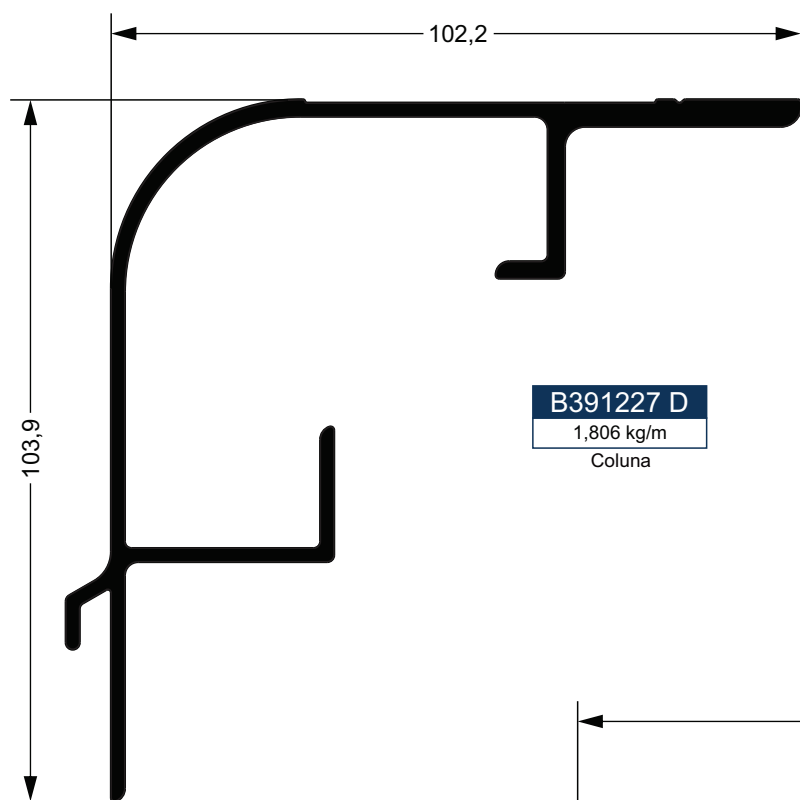
**B391613 C**  
0,538 kg/m  
Suporte Vertical  
Protetor Lateral



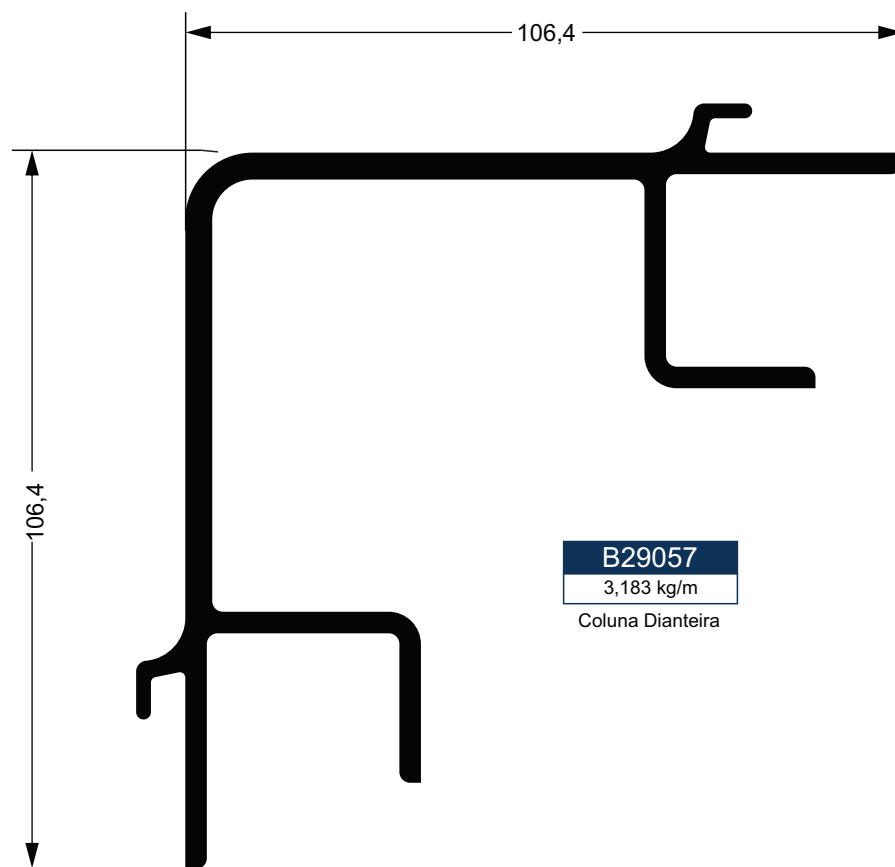
**B29238 D**  
1,357 kg/m  
Cantoneira PisoTrap.



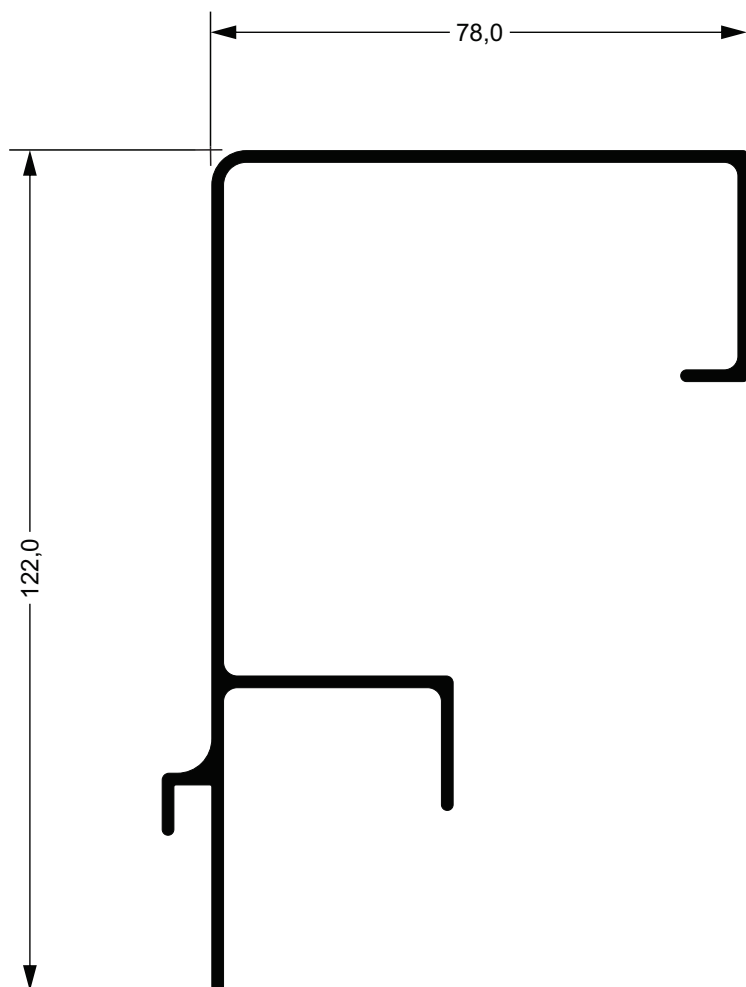
**B29248 D**  
1,479 kg/m  
Cantoneira PisoTrap.



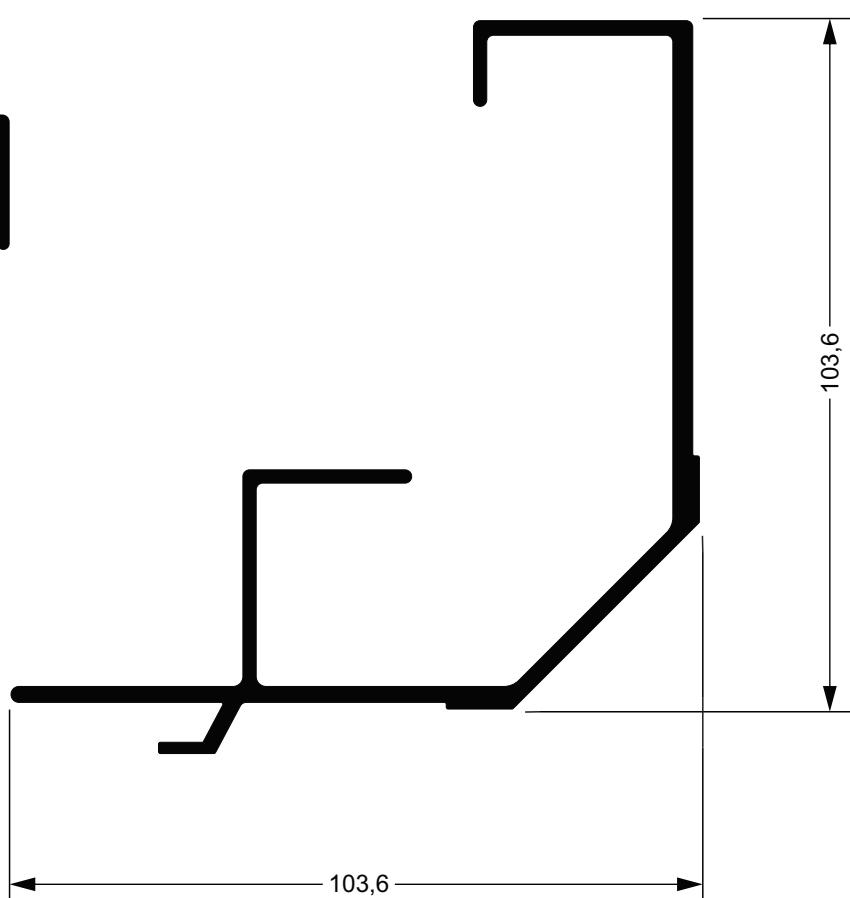
**B391227 D**  
1,806 kg/m  
Coluna



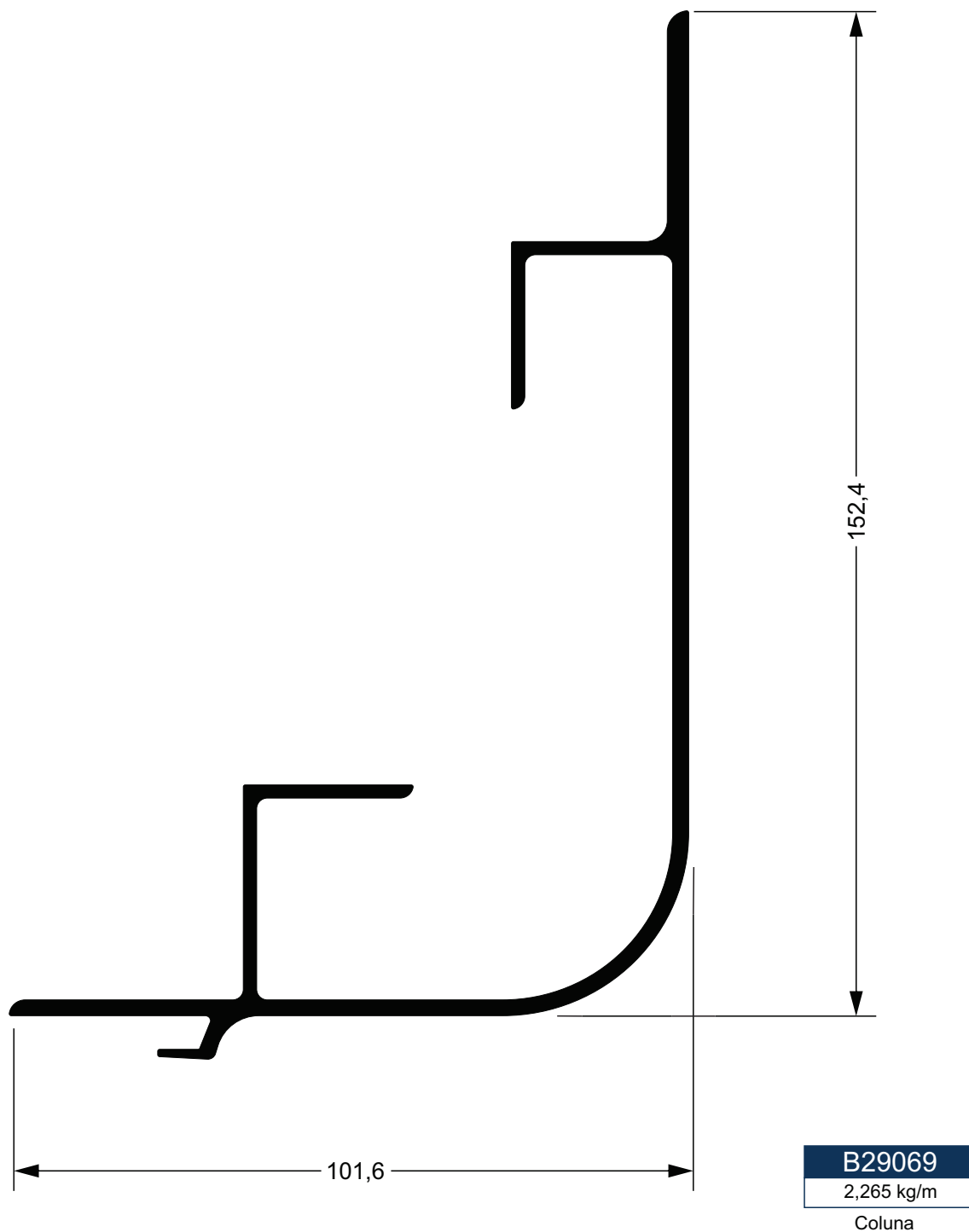
**B29057**  
3,183 kg/m  
Coluna Dianteira

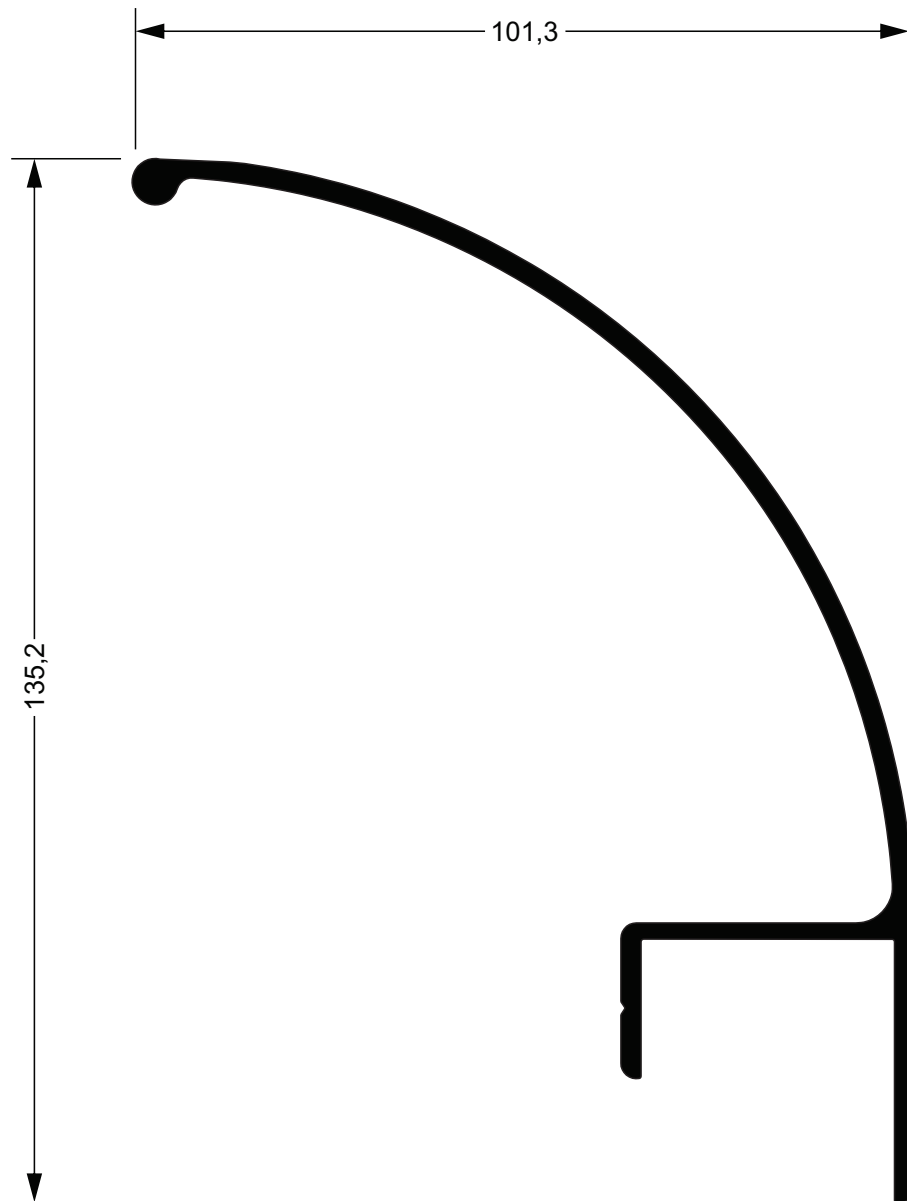


|                  |
|------------------|
| <b>B391662 D</b> |
| 1,412 kg/m       |
| Coluna           |



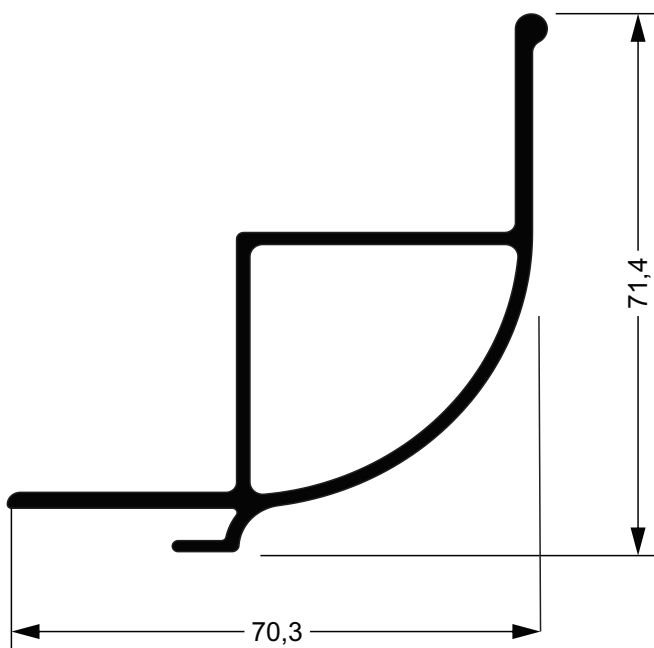
|               |
|---------------|
| <b>B39688</b> |
| 2,028 kg/m    |
| Coluna        |



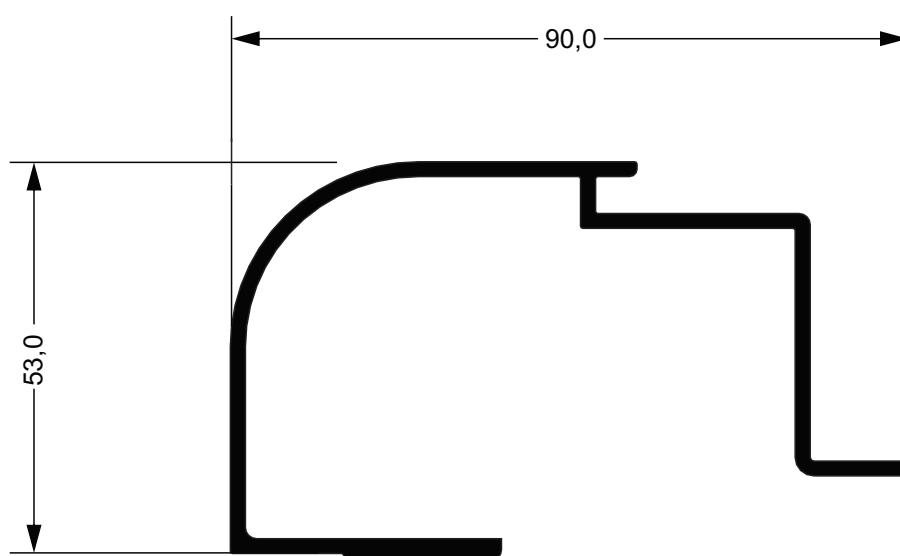
**B19879 C**

1,720 kg/m

Acabamento Lateral  
Protetor Lateral

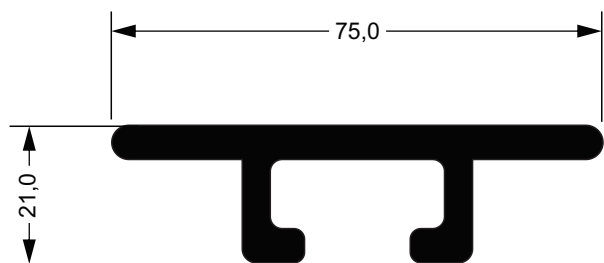


|               |
|---------------|
| <b>B78122</b> |
| 1,074 kg/m    |
| Coluna        |

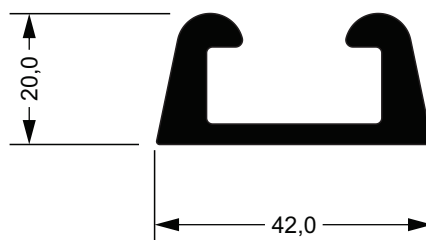


|               |
|---------------|
| <b>B39449</b> |
| 1,192 kg/m    |
| Coluna        |

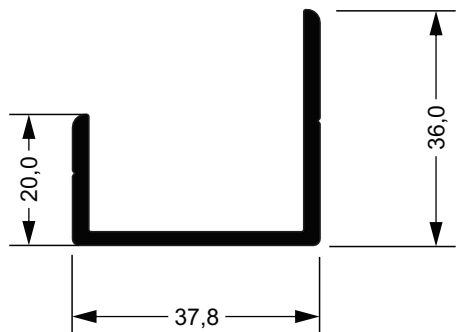




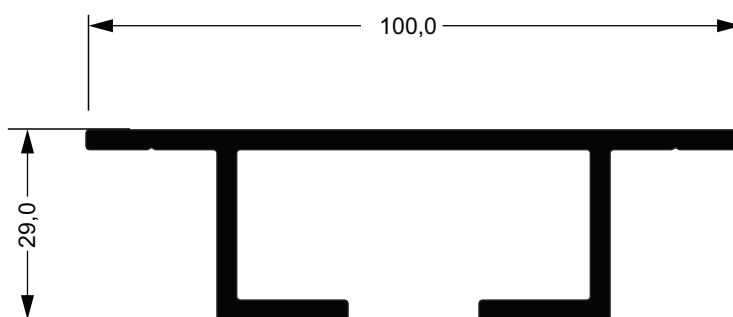
**B39113**  
1,484 kg/m  
Trilho



**B39362**  
0,924 kg/m  
Trilho

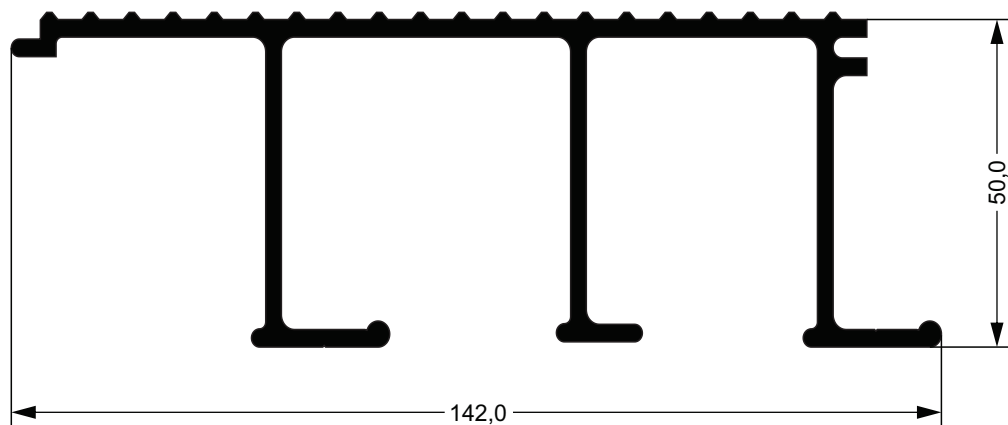


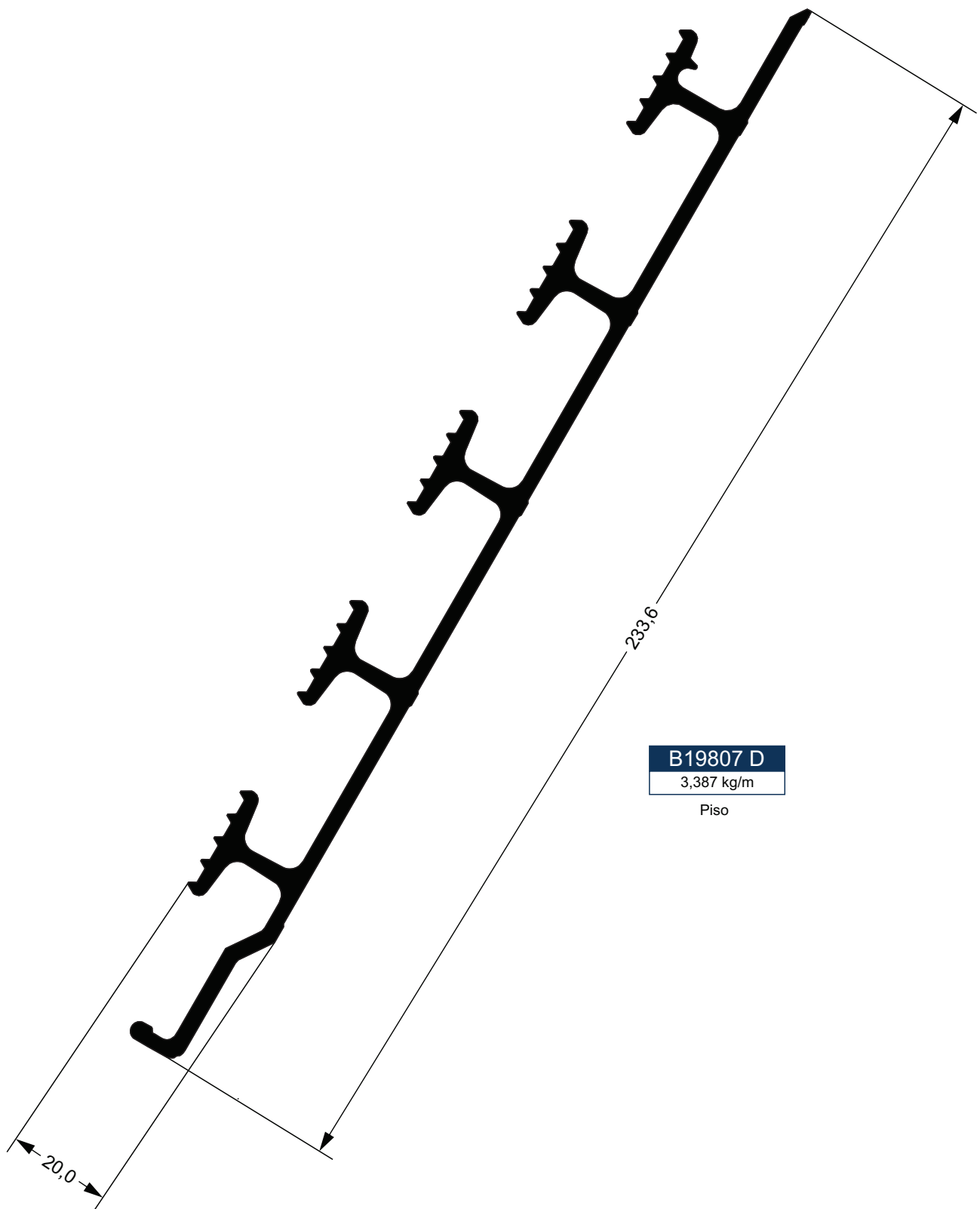
**B391966 C**  
0,559 kg/m  
Acabamento Lateral

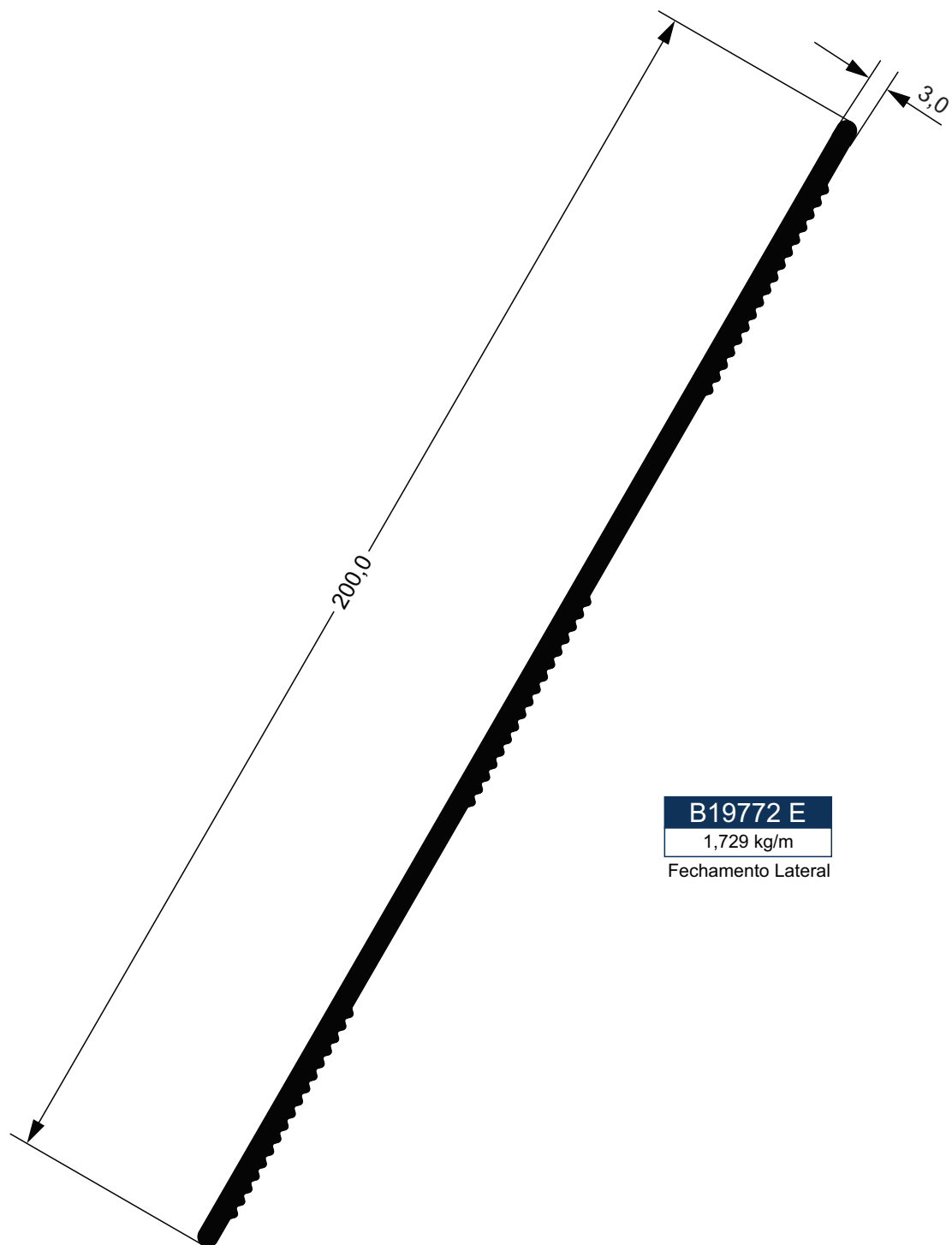


**B391595 C**  
1,510 kg/m  
Trilho

**B39154**  
2,432 kg/m  
Piso

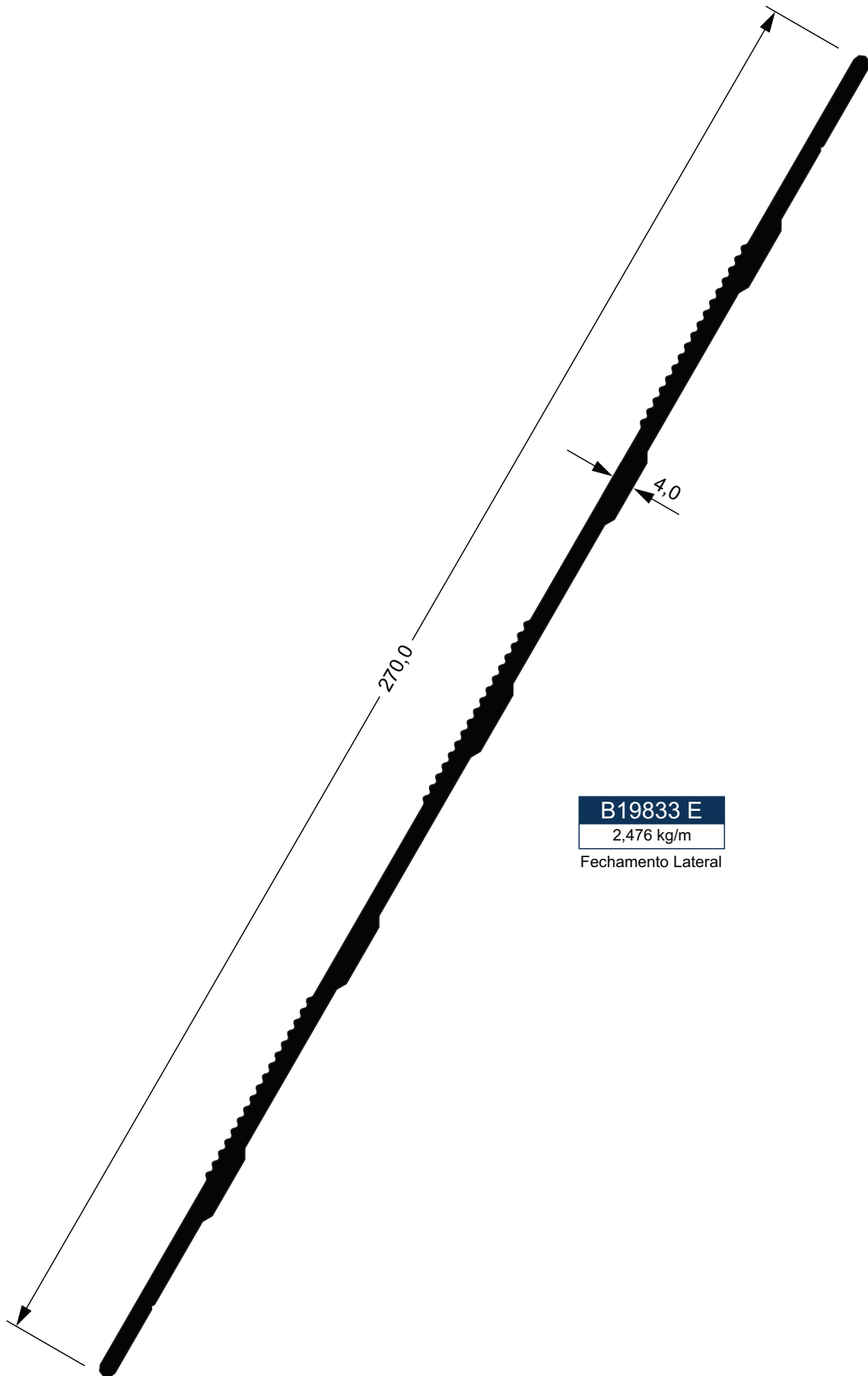




**B19772 E**

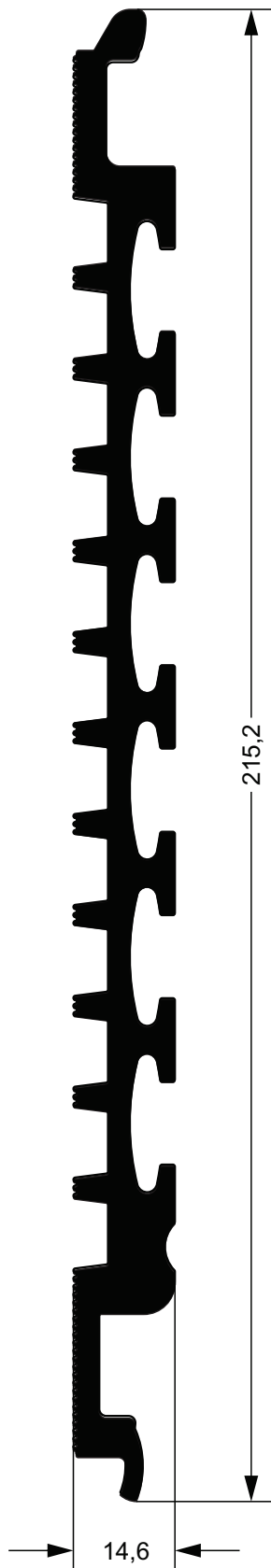
1,729 kg/m

Fechamento Lateral

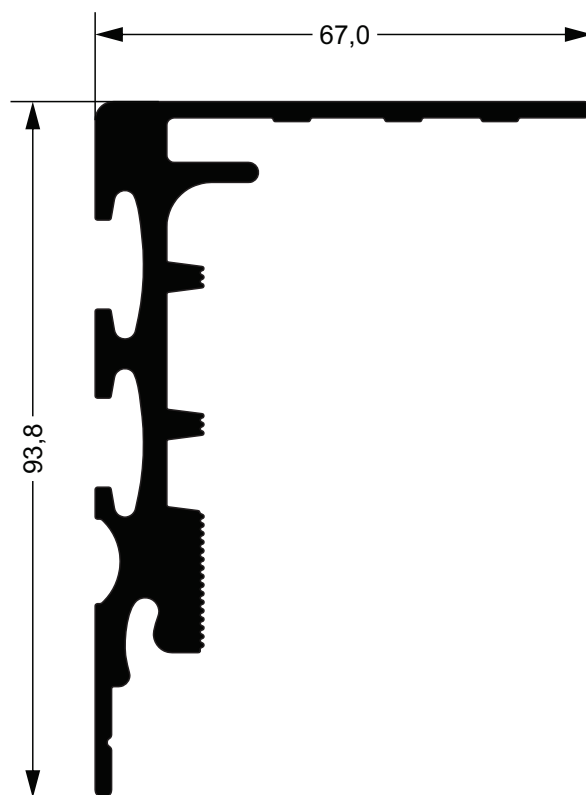


|                    |
|--------------------|
| <b>B19833 E</b>    |
| 2,476 kg/m         |
| Fechamento Lateral |

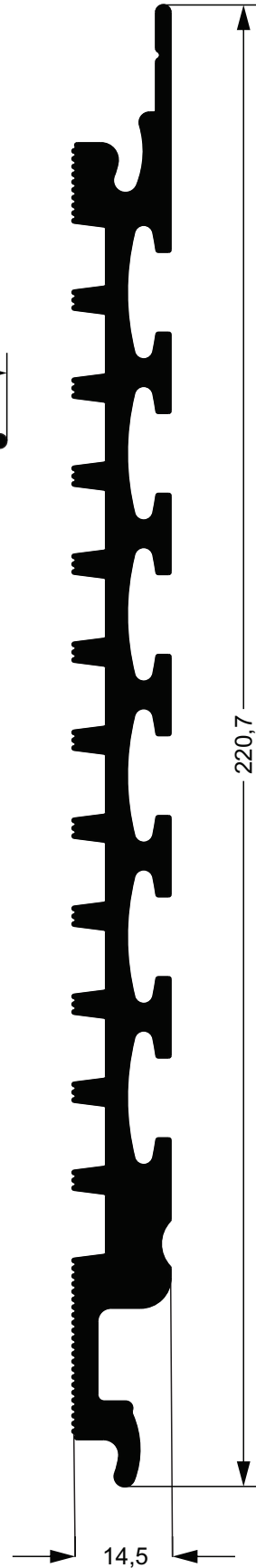
**B19792 E**  
3,930 kg/m  
Assoalho

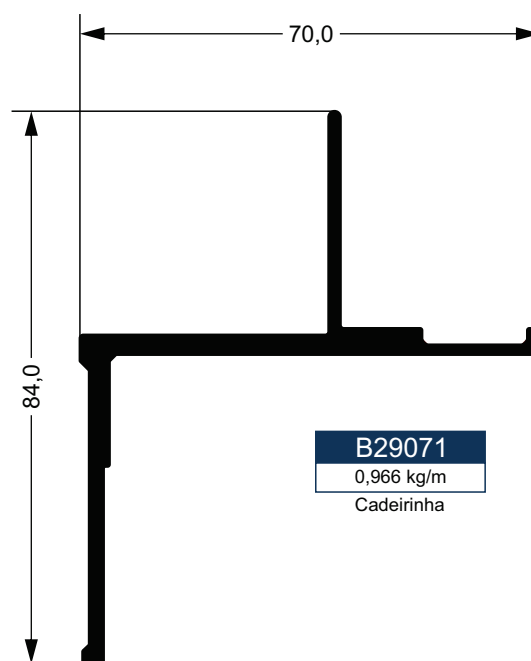
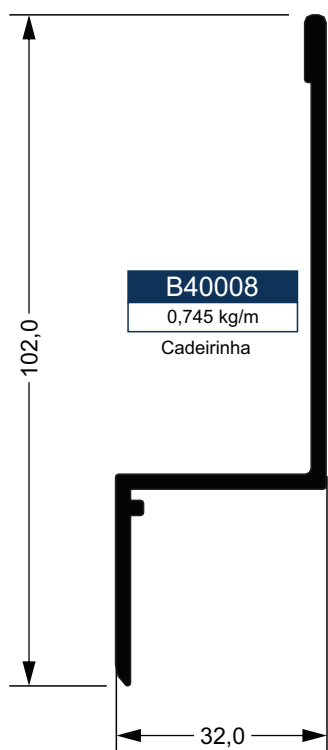
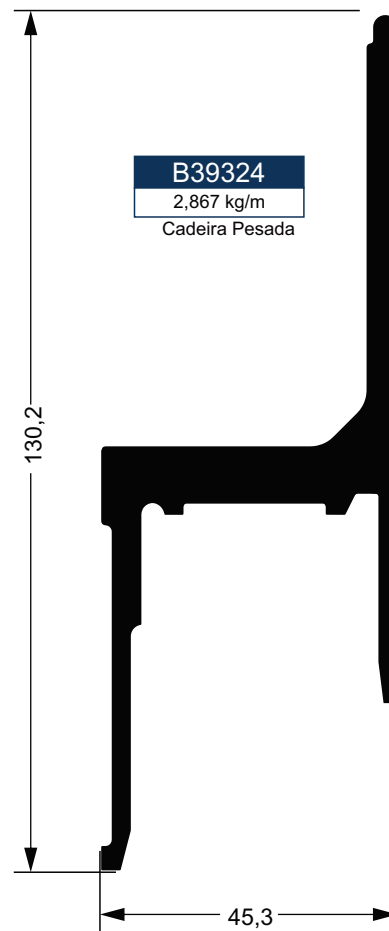
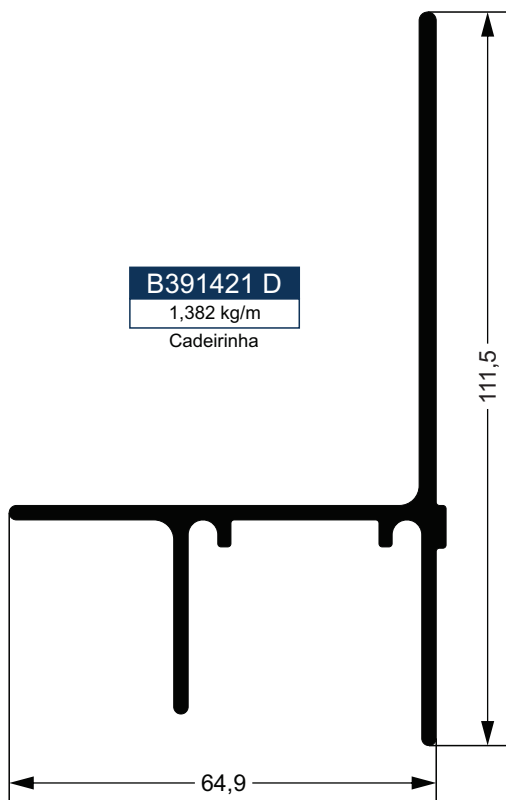


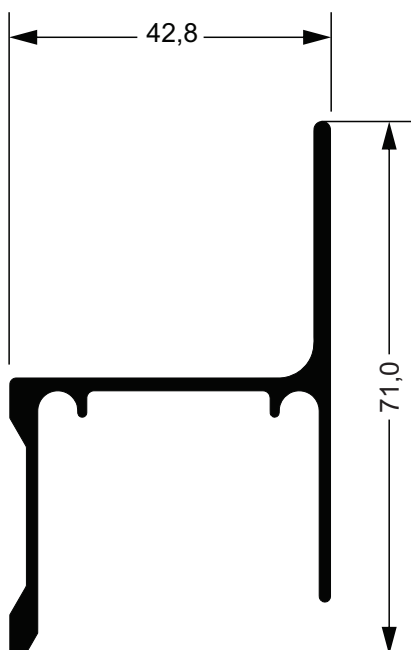
**B29288 E**  
2,189 kg/m  
Lateral do Assoalho



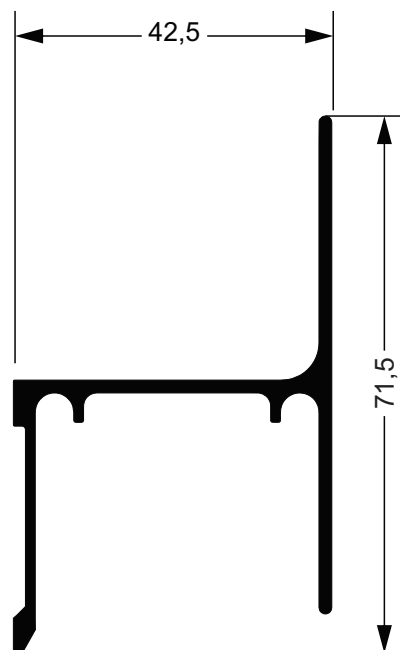
**B19793 E**  
4,016 kg/m  
Assoalho



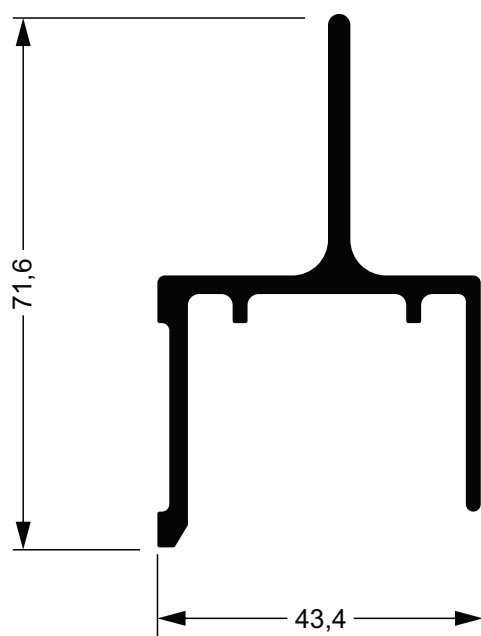




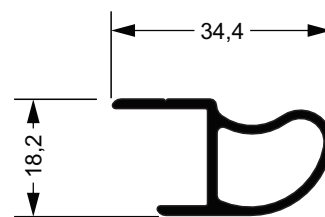
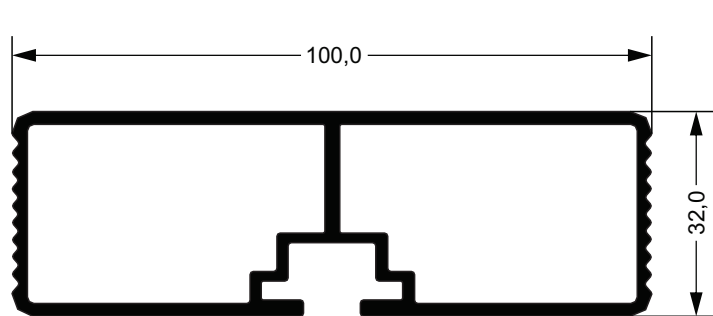
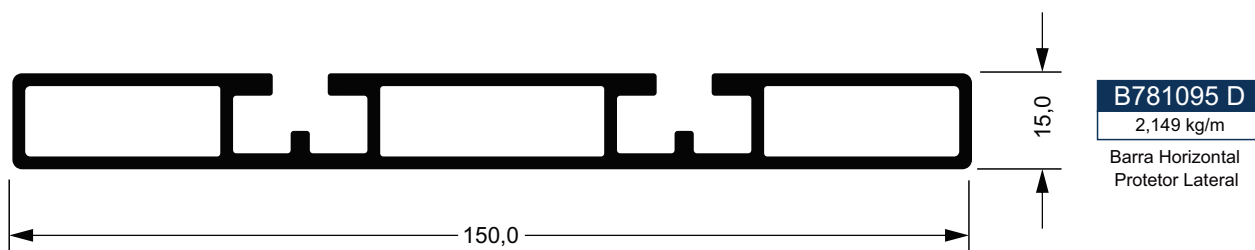
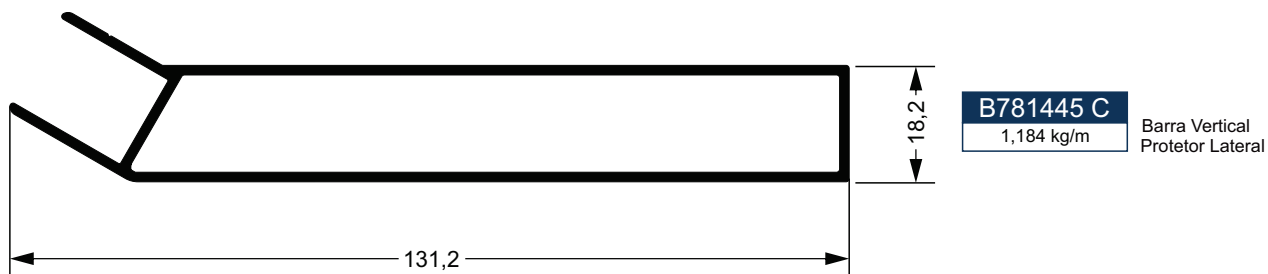
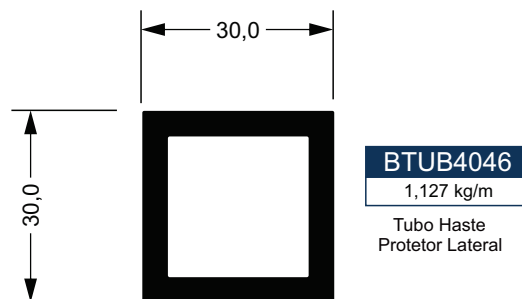
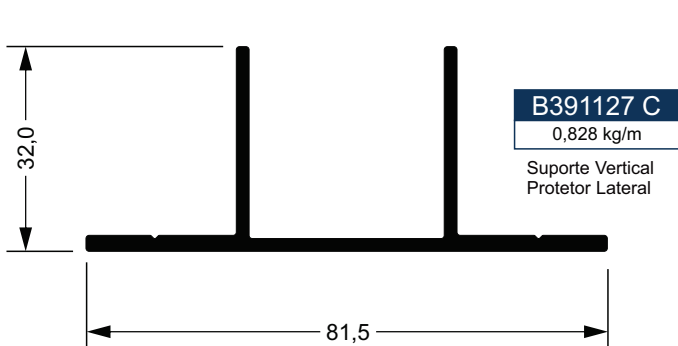
**B39314**  
0,886 kg/m  
Cadeirinha



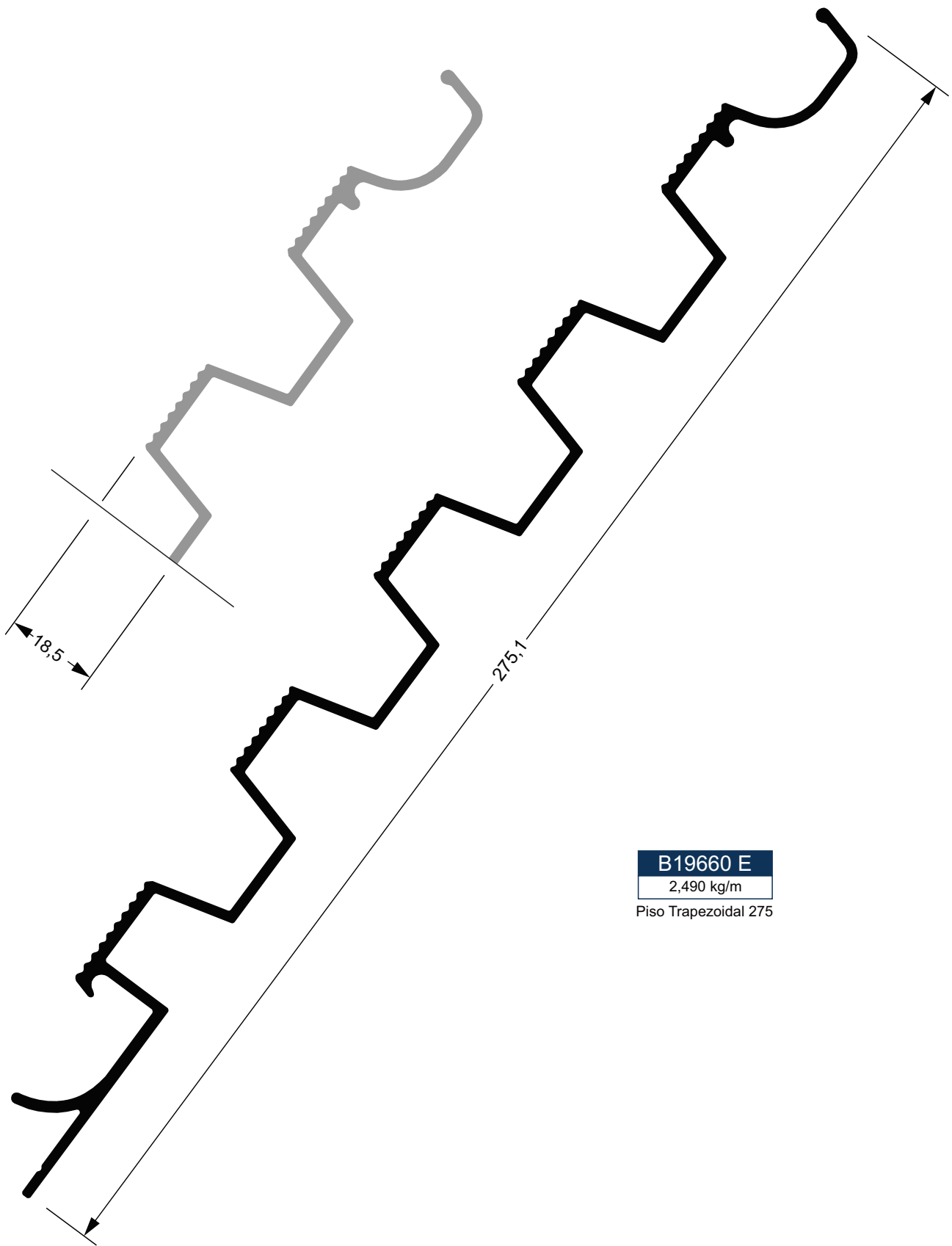
**B39177**  
0,816 kg/m  
Cadeirinha



**B39684**  
1,070 kg/m  
Cadeirinha

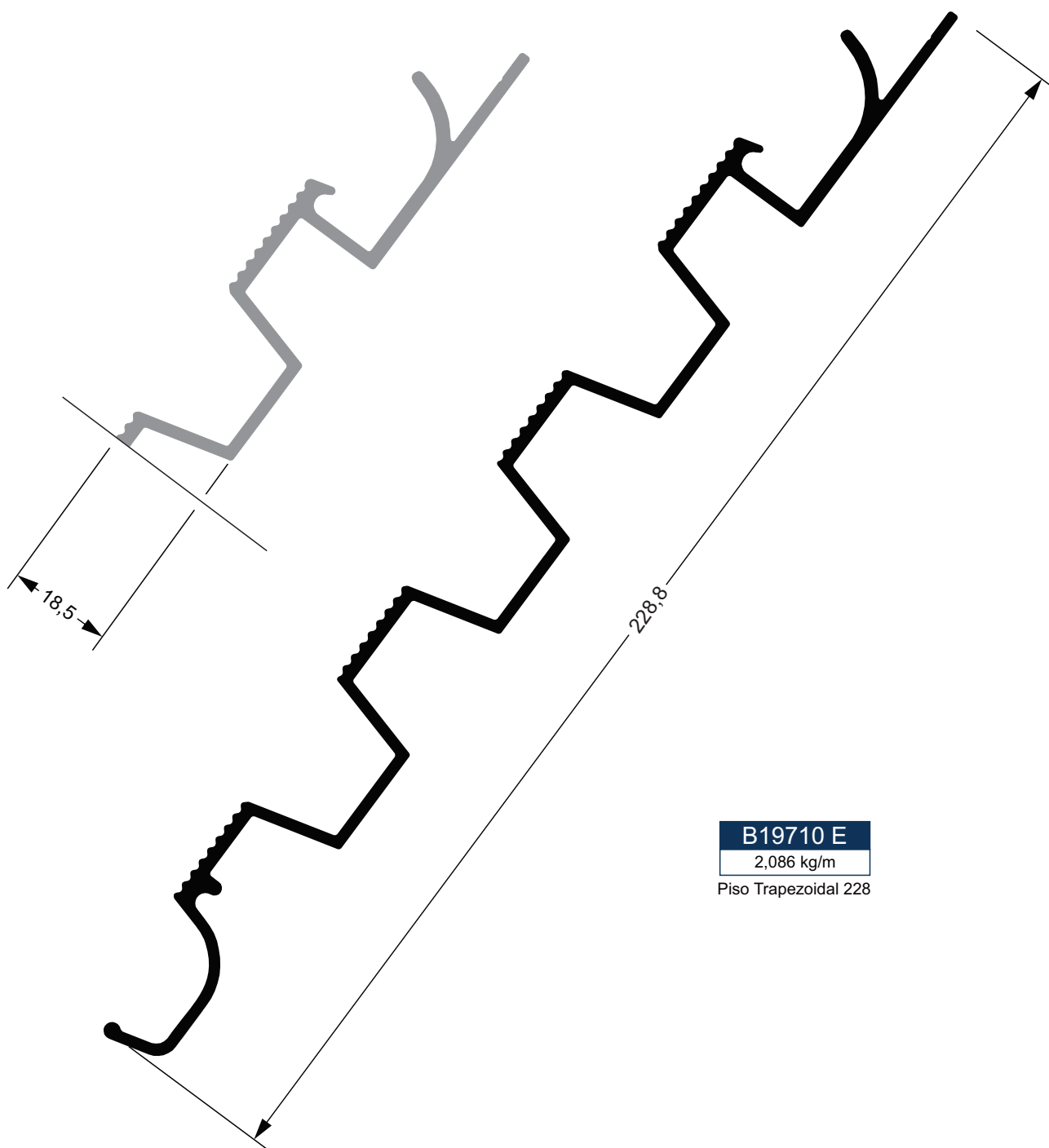






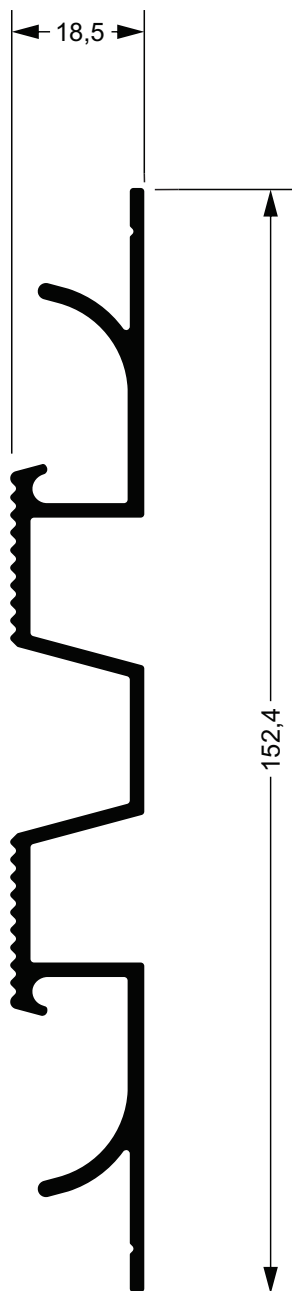
|                 |
|-----------------|
| <b>B19660 E</b> |
| 2,490 kg/m      |

Piso Trapezoidal 275

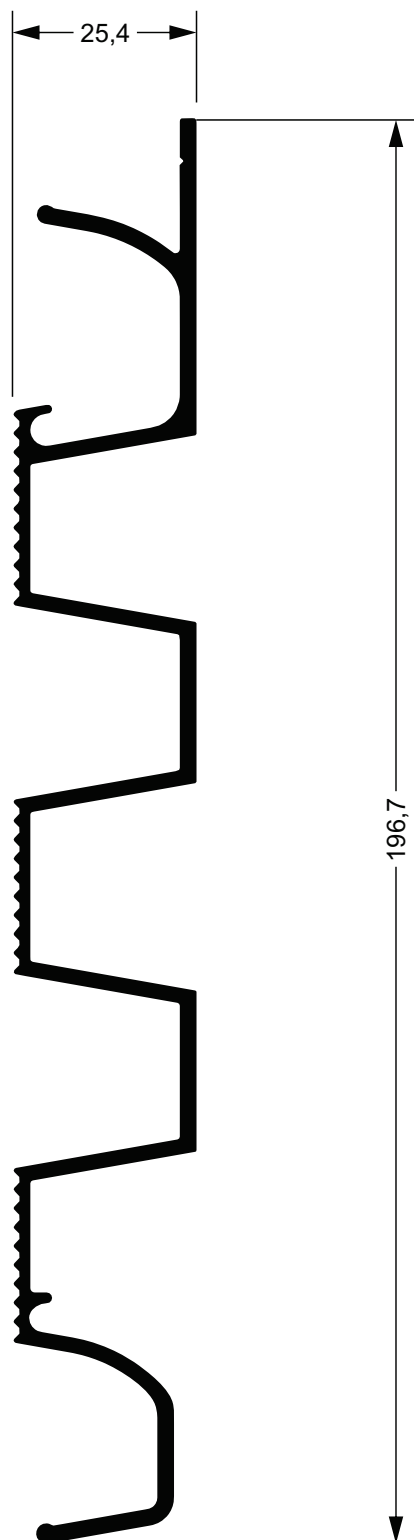


**B19710 E**  
2,086 kg/m

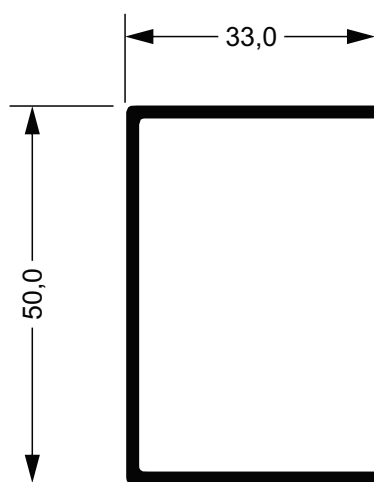
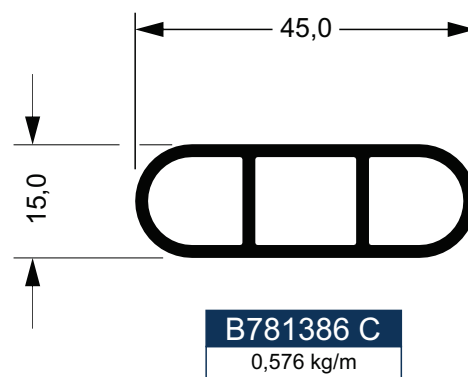
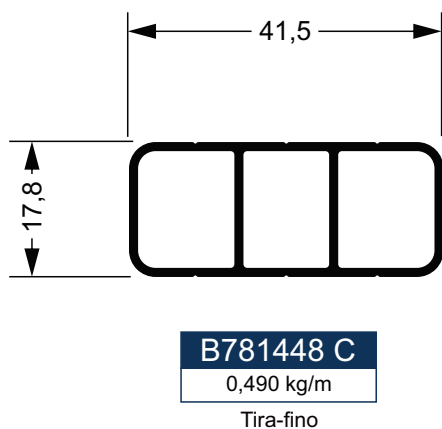
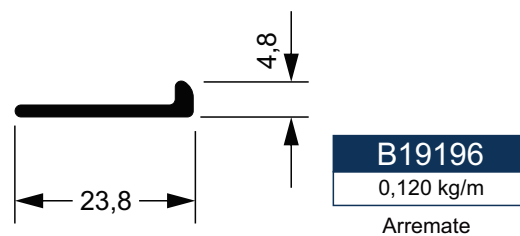
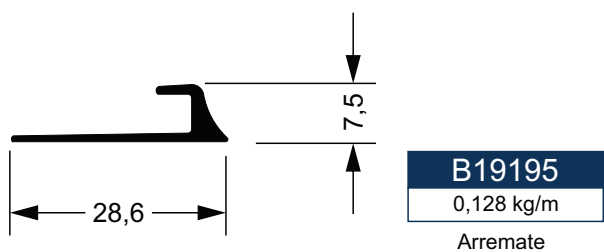
Piso Trapezoidal 228

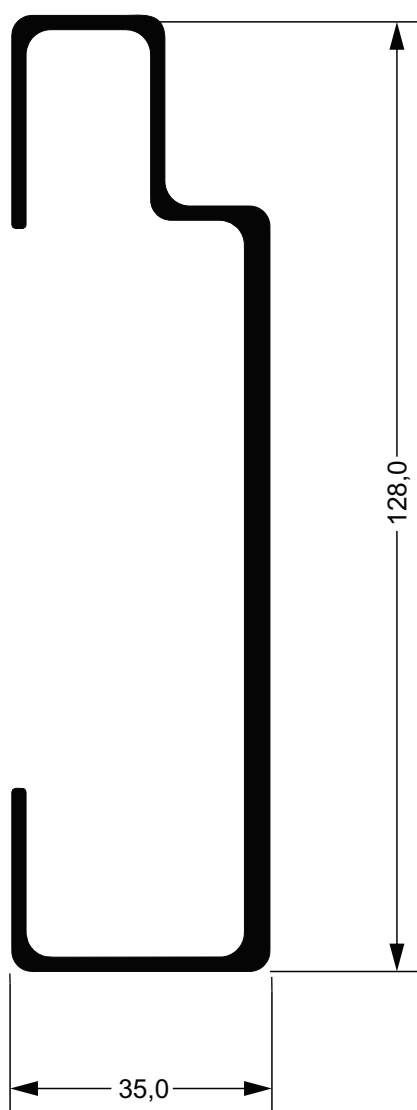


**B19725 C**  
1,496 kg/m  
Piso Trapezoidal Central



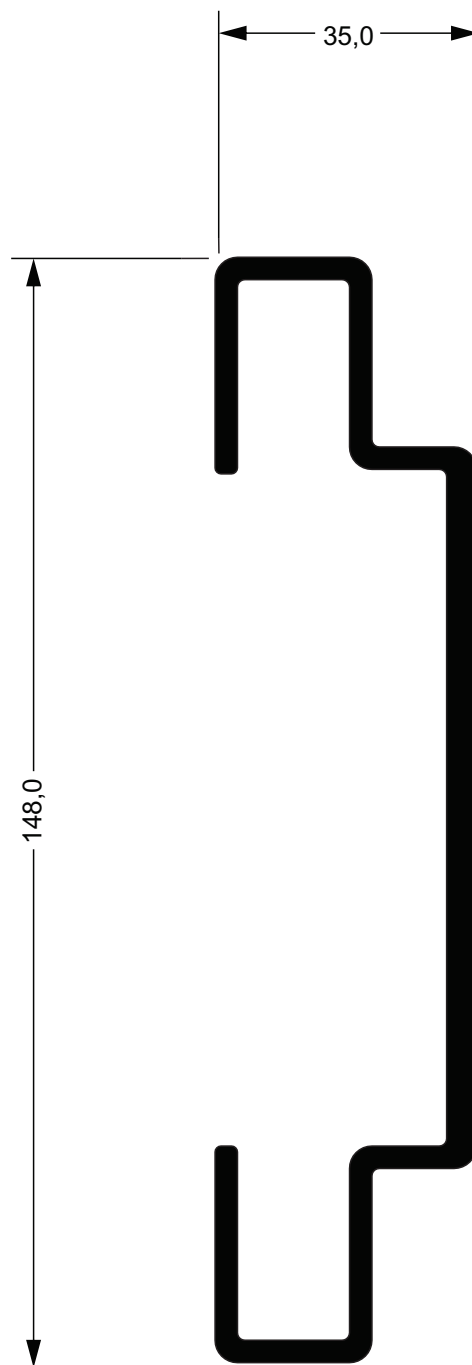
**B19227**  
2,227 kg/m  
Piso Trapezoidal 196





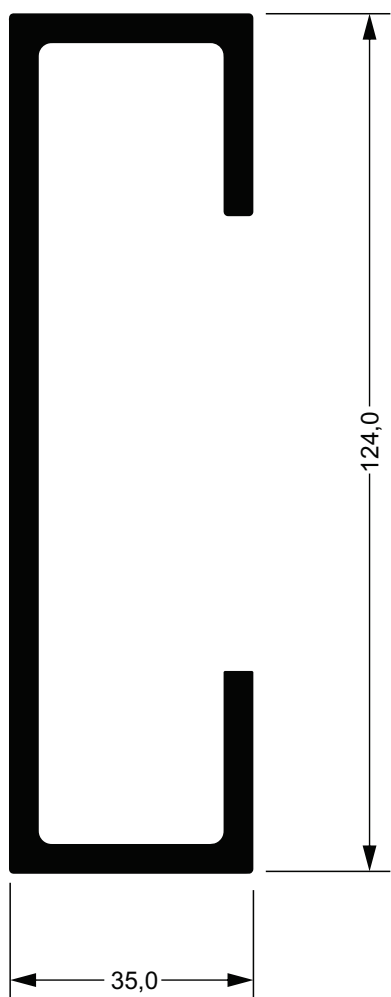
**B39101**  
2,032 kg/m

Perfil C com Vinco

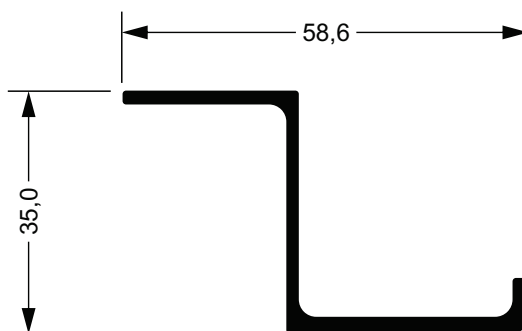


**B39285**  
2,344 kg/m

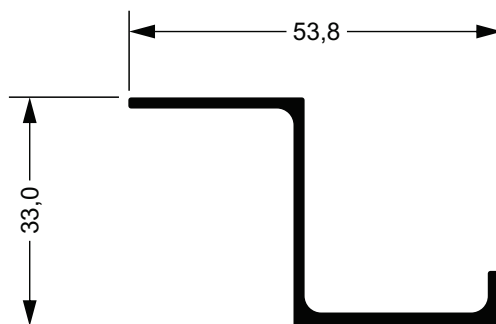
Perfil C com Vinco



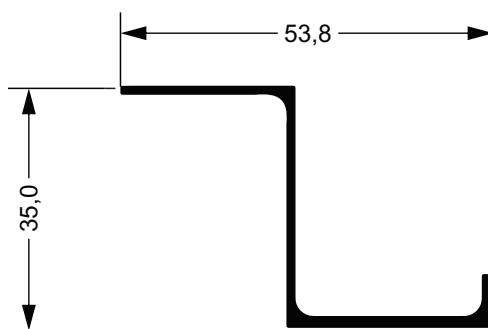
**B39102**  
2,560 kg/m  
Perfil C com Vinco



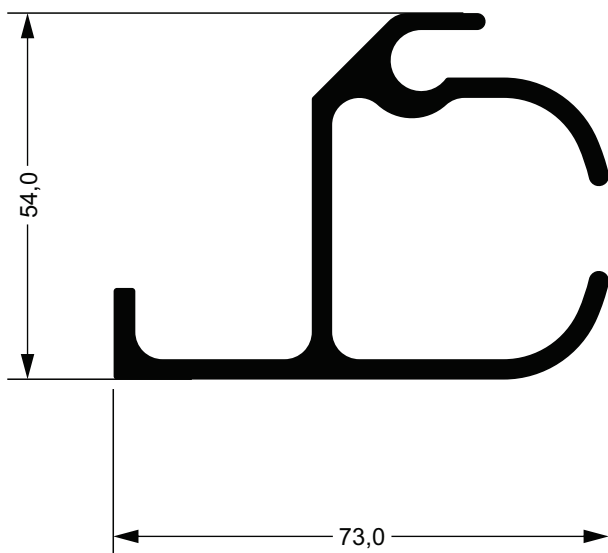
**B40003**  
0,556 kg/m  
Perfil Z



**B40013**  
0,442 kg/m  
Perfil Z

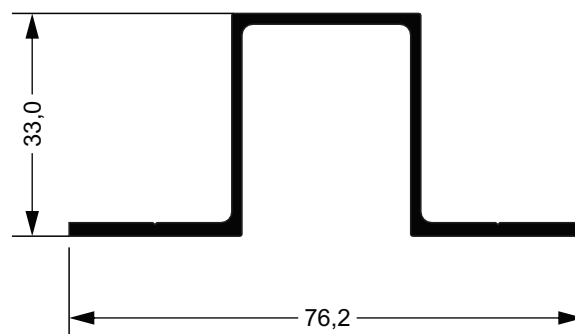


**B40006**  
0,450 kg/m  
Perfil Z



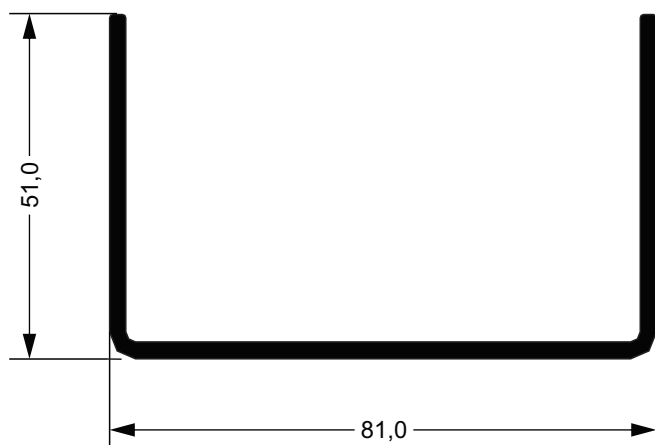
**B391417 C**  
1,848 kg/m

Perfil Trava



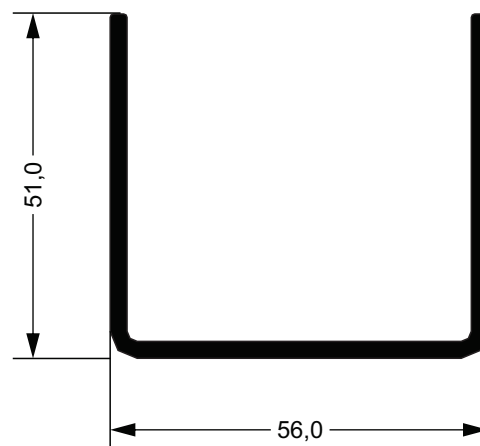
**B35005**  
0,643 kg/m

Ômega



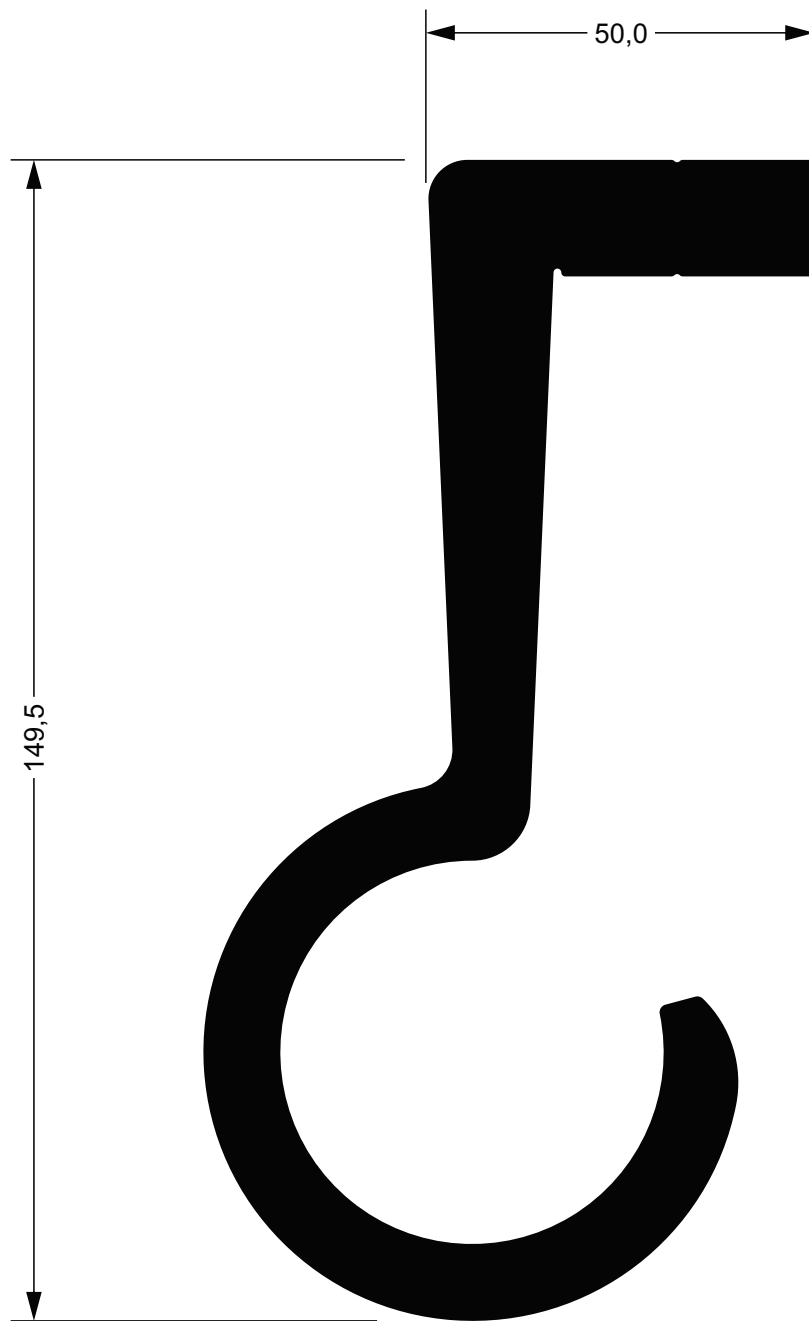
**B31076 C**  
1,189 kg/m

Acabamento Lateral  
Protetor Lateral



**B31075 C**  
1,019 kg/m

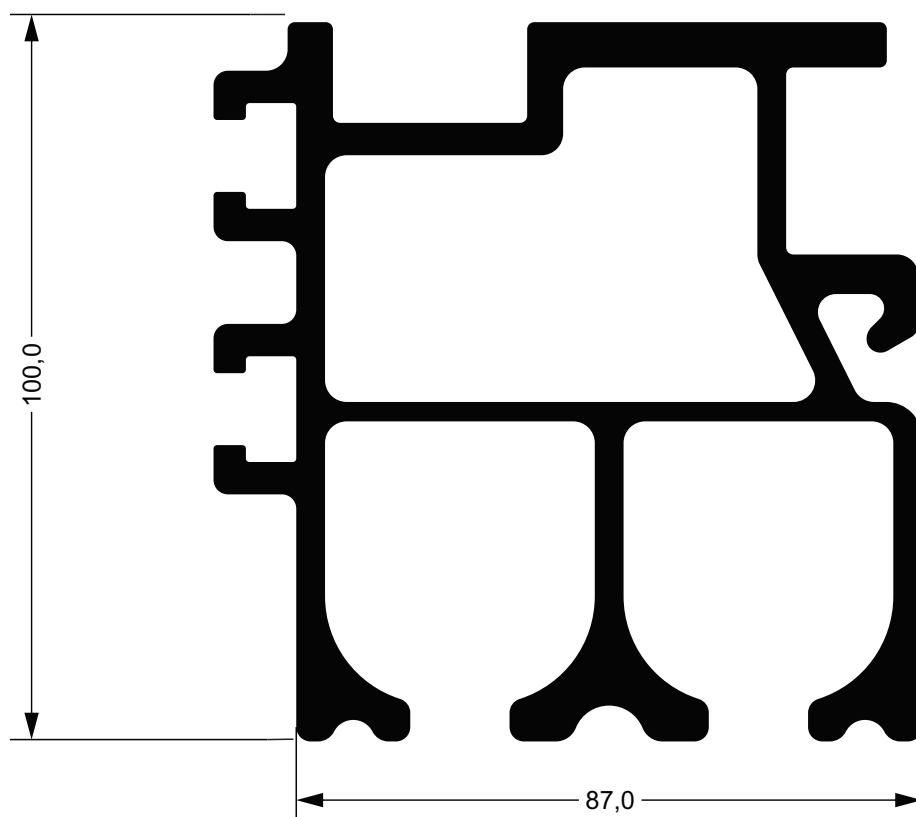
Acabamento Lateral  
Protetor Lateral

**B391486 D**

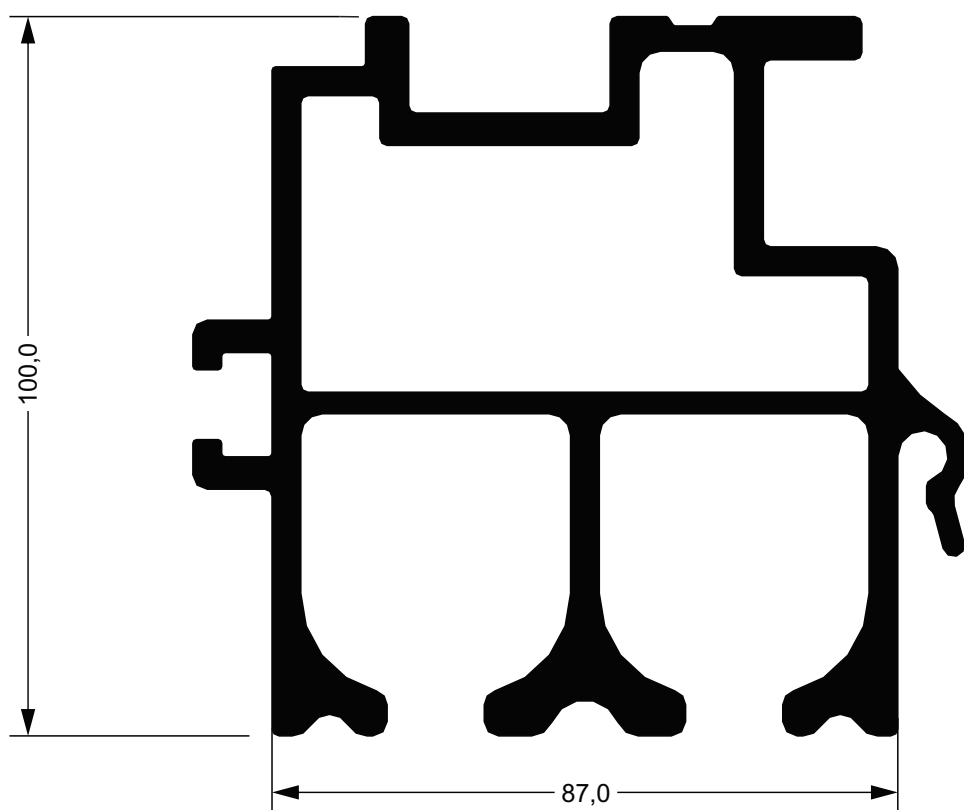
8,372 kg/m

Gancho

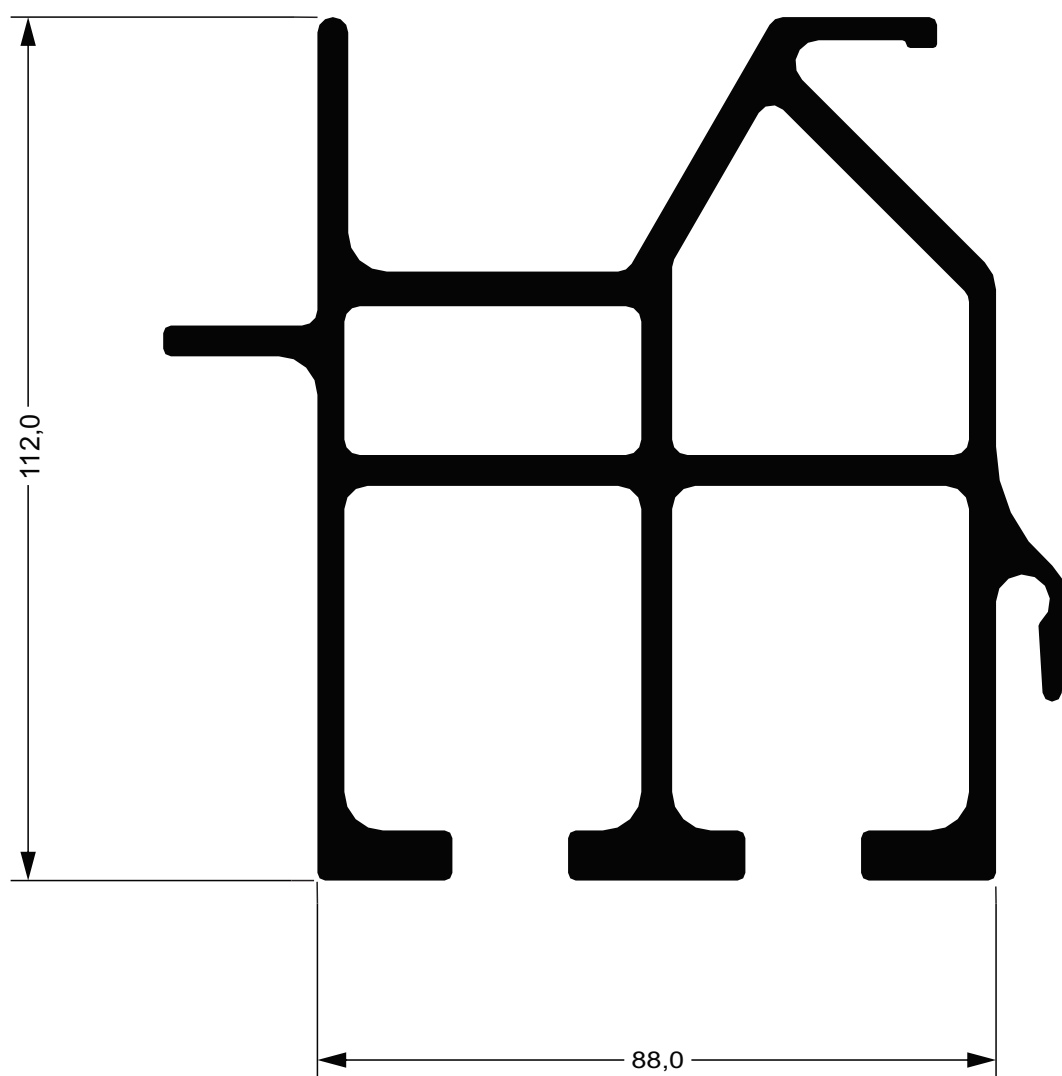




**B781372 E**  
6,672 kg/m  
Trilho Sider



**B781584 E**  
6,287 kg/m  
Perfil Sider

**B781433 E**

6,497 kg/m


Perfil Sider



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