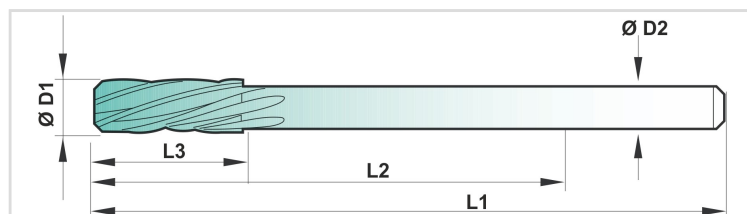


## Mandril Máquina HSS-E CO - Serie 600

Categorias

• HSS



| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000060 | Mandril Máquina HSS-E CO - 0,6 X 17  | 0,6  | D  | 33 | 17 | 7  |
| 290200006000061 | Mandril Máquina HSS-E CO - 0,61 X 17 | 0,61 | D  | 33 | 17 | 7  |
| 290200006000062 | Mandril Máquina HSS-E CO - 0,62 X 17 | 0,62 | D  | 33 | 17 | 7  |
| 290200006000063 | Mandril Máquina HSS-E CO - 0,63 X 17 | 0,63 | D  | 33 | 17 | 7  |
| 290200006000064 | Mandril Máquina HSS-E CO - 0,64 X 17 | 0,64 | D  | 33 | 17 | 7  |
| 290200006000065 | Mandril Máquina HSS-E CO - 0,65 X 17 | 0,65 | D  | 33 | 17 | 7  |
| 290200006000066 | Mandril Máquina HSS-E CO - 0,66 X 17 | 0,66 | D  | 33 | 17 | 7  |
| 290200006000067 | Mandril Máquina HSS-E CO - 0,67 X 17 | 0,67 | D  | 33 | 17 | 7  |
| 290200006000068 | Mandril Máquina HSS-E CO - 0,68 X 17 | 0,68 | D  | 33 | 17 | 7  |
| 290200006000069 | Mandril Máquina HSS-E CO - 0,69 X 17 | 0,69 | D  | 33 | 17 | 7  |
| 290200006000070 | Mandril Máquina HSS-E CO - 0,7 X 17  | 0,7  | D  | 33 | 17 | 7  |
| 290200006000071 | Mandril Máquina HSS-E CO - 0,71 X 17 | 0,71 | D  | 33 | 17 | 7  |
| 290200006000072 | Mandril Máquina HSS-E CO - 0,72 X 17 | 0,72 | D  | 33 | 17 | 7  |
| 290200006000073 | Mandril Máquina HSS-E CO - 0,73 X 17 | 0,73 | D  | 33 | 17 | 7  |
| 290200006000074 | Mandril Máquina HSS-E CO - 0,74 X 17 | 0,74 | D  | 33 | 17 | 7  |
| 290200006000075 | Mandril Máquina HSS-E CO - 0,75 X 17 | 0,75 | D  | 33 | 17 | 7  |
| 290200006000076 | Mandril Máquina HSS-E CO - 0,76 X 17 | 0,76 | D  | 33 | 17 | 7  |
| 290200006000077 | Mandril Máquina HSS-E CO - 0,77 X 17 | 0,77 | D  | 33 | 17 | 7  |
| 290200006000078 | Mandril Máquina HSS-E CO - 0,78 X 17 | 0,78 | D  | 33 | 17 | 7  |
| 290200006000079 | Mandril Máquina HSS-E CO - 0,79 X 17 | 0,79 | D  | 33 | 17 | 7  |
| 290200006000080 | Mandril Máquina HSS-E CO - 0,8 X 22  | 0,8  | D  | 38 | 22 | 7  |
| 290200006000081 | Mandril Máquina HSS-E CO - 0,81 X 22 | 0,81 | D  | 38 | 22 | 7  |
| 290200006000082 | Mandril Máquina HSS-E CO - 0,82 X 22 | 0,82 | D  | 38 | 22 | 7  |
| 290200006000083 | Mandril Máquina HSS-E CO - 0,83 X 22 | 0,83 | D  | 38 | 22 | 7  |
| 290200006000084 | Mandril Máquina HSS-E CO - 0,84 X 22 | 0,84 | D  | 38 | 22 | 7  |
| 290200006000085 | Mandril Máquina HSS-E CO - 0,85 X 22 | 0,85 | D  | 38 | 22 | 7  |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000086 | Mandril Máquina HSS-E CO - 0,86 X 22 | 0,86 | D  | 38 | 22 | 7  |
| 290200006000087 | Mandril Máquina HSS-E CO - 0,87 X 22 | 0,87 | D  | 38 | 22 | 7  |
| 290200006000088 | Mandril Máquina HSS-E CO - 0,88 X 22 | 0,88 | D  | 38 | 22 | 7  |
| 290200006000089 | Mandril Máquina HSS-E CO - 0,89 X 22 | 0,89 | D  | 38 | 22 | 7  |
| 290200006000090 | Mandril Máquina HSS-E CO - 0,9 X 22  | 0,9  | D  | 38 | 22 | 7  |
| 290200006000091 | Mandril Máquina HSS-E CO - 0,91 X 22 | 0,91 | D  | 38 | 22 | 7  |
| 290200006000092 | Mandril Máquina HSS-E CO - 0,92 X 22 | 0,92 | D  | 38 | 22 | 7  |
| 290200006000093 | Mandril Máquina HSS-E CO - 0,93 X 22 | 0,93 | D  | 38 | 22 | 7  |
| 290200006000094 | Mandril Máquina HSS-E CO - 0,94 X 22 | 0,94 | D  | 38 | 22 | 7  |
| 290200006000095 | Mandril Máquina HSS-E CO - 0,95 X 22 | 0,95 | D  | 38 | 22 | 7  |
| 290200006000096 | Mandril Máquina HSS-E CO - 0,96 X 22 | 0,96 | D  | 38 | 22 | 7  |
| 290200006000097 | Mandril Máquina HSS-E CO - 0,97 X 22 | 0,97 | D  | 38 | 22 | 7  |
| 290200006000098 | Mandril Máquina HSS-E CO - 0,98 X 22 | 0,98 | D  | 38 | 22 | 7  |
| 290200006000099 | Mandril Máquina HSS-E CO - 0,99 X 22 | 0,99 | D  | 38 | 22 | 7  |
| 290200006000100 | Mandril Máquina HSS-E CO - 1 X 22    | 1    | D  | 38 | 22 | 7  |
| 290200006000101 | Mandril Máquina HSS-E CO - 1,01 X 22 | 1,01 | D  | 38 | 22 | 7  |
| 290200006000102 | Mandril Máquina HSS-E CO - 1,02 X 22 | 1,02 | D  | 38 | 22 | 7  |
| 290200006000103 | Mandril Máquina HSS-E CO - 1,03 X 22 | 1,03 | D  | 38 | 22 | 7  |
| 290200006000104 | Mandril Máquina HSS-E CO - 1,04 X 22 | 1,04 | D  | 38 | 22 | 7  |
| 290200006000105 | Mandril Máquina HSS-E CO - 1,05 X 22 | 1,05 | D  | 38 | 22 | 7  |
| 290200006000106 | Mandril Máquina HSS-E CO - 1,06 X 24 | 1,06 | D  | 40 | 24 | 10 |
| 290200006000107 | Mandril Máquina HSS-E CO - 1,07 X 24 | 1,07 | D  | 40 | 24 | 10 |
| 290200006000108 | Mandril Máquina HSS-E CO - 1,08 X 24 | 1,08 | D  | 40 | 24 | 10 |
| 290200006000109 | Mandril Máquina HSS-E CO - 1,09 X 24 | 1,09 | D  | 40 | 24 | 10 |
| 290200006000110 | Mandril Máquina HSS-E CO - 1,1 X 24  | 1,1  | D  | 40 | 24 | 10 |
| 290200006000111 | Mandril Máquina HSS-E CO - 1,11 X 24 | 1,11 | D  | 40 | 24 | 10 |
| 290200006000112 | Mandril Máquina HSS-E CO - 1,12 X 24 | 1,12 | D  | 40 | 24 | 10 |
| 290200006000113 | Mandril Máquina HSS-E CO - 1,13 X 24 | 1,13 | D  | 40 | 24 | 10 |
| 290200006000114 | Mandril Máquina HSS-E CO - 1,14 X 24 | 1,14 | D  | 40 | 24 | 10 |
| 290200006000115 | Mandril Máquina HSS-E CO - 1,15 X 24 | 1,15 | D  | 40 | 24 | 10 |
| 290200006000116 | Mandril Máquina HSS-E CO - 1,16 X 24 | 1,16 | D  | 40 | 24 | 10 |
| 290200006000117 | Mandril Máquina HSS-E CO - 1,17 X 24 | 1,17 | D  | 40 | 24 | 10 |
| 290200006000118 | Mandril Máquina HSS-E CO - 1,18 X 24 | 1,18 | D  | 40 | 24 | 10 |
| 290200006000119 | Mandril Máquina HSS-E CO - 1,19 X 24 | 1,19 | D  | 40 | 24 | 10 |
| 290200006000120 | Mandril Máquina HSS-E CO - 1,2 X 24  | 1,2  | D  | 40 | 24 | 10 |
| 290200006000121 | Mandril Máquina HSS-E CO - 1,21 X 24 | 1,21 | D  | 40 | 24 | 10 |
| 290200006000122 | Mandril Máquina HSS-E CO - 1,22 X 24 | 1,22 | D  | 40 | 24 | 10 |
| 290200006000123 | Mandril Máquina HSS-E CO - 1,23 X 24 | 1,23 | D  | 40 | 24 | 10 |
| 290200006000124 | Mandril Máquina HSS-E CO - 1,24 X 24 | 1,24 | D  | 40 | 24 | 10 |
| 290200006000125 | Mandril Máquina HSS-E CO - 1,25 X 24 | 1,25 | D  | 40 | 24 | 10 |
| 290200006000126 | Mandril Máquina HSS-E CO - 1,26 X 24 | 1,26 | D  | 40 | 24 | 10 |
| 290200006000127 | Mandril Máquina HSS-E CO - 1,27 X 24 | 1,27 | D  | 40 | 24 | 10 |
| 290200006000128 | Mandril Máquina HSS-E CO - 1,28 X 24 | 1,28 | D  | 40 | 24 | 10 |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000129 | Mandril Máquina HSS-E CO - 1,29 X 24 | 1,29 | D  | 40 | 24 | 10 |
| 290200006000130 | Mandril Máquina HSS-E CO - 1,3 X 24  | 1,3  | D  | 40 | 24 | 10 |
| 290200006000131 | Mandril Máquina HSS-E CO - 1,31 X 24 | 1,31 | D  | 40 | 24 | 10 |
| 290200006000132 | Mandril Máquina HSS-E CO - 1,32 X 24 | 1,32 | D  | 40 | 24 | 10 |
| 290200006000133 | Mandril Máquina HSS-E CO - 1,33 X 24 | 1,33 | D  | 40 | 24 | 10 |
| 290200006000134 | Mandril Máquina HSS-E CO - 1,34 X 24 | 1,34 | D  | 40 | 24 | 10 |
| 290200006000135 | Mandril Máquina HSS-E CO - 1,35 X 24 | 1,35 | D  | 40 | 24 | 10 |
| 290200006000136 | Mandril Máquina HSS-E CO - 1,36 X 24 | 1,36 | D  | 40 | 24 | 10 |
| 290200006000137 | Mandril Máquina HSS-E CO - 1,37 X 24 | 1,37 | D  | 40 | 24 | 10 |
| 290200006000138 | Mandril Máquina HSS-E CO - 1,38 X 24 | 1,38 | D  | 40 | 24 | 10 |
| 290200006000139 | Mandril Máquina HSS-E CO - 1,39 X 24 | 1,39 | D  | 40 | 24 | 10 |
| 290200006000140 | Mandril Máquina HSS-E CO - 1,4 X 24  | 1,4  | D  | 40 | 24 | 10 |
| 290200006000141 | Mandril Máquina HSS-E CO - 1,41 X 24 | 1,41 | D  | 40 | 24 | 10 |
| 290200006000142 | Mandril Máquina HSS-E CO - 1,42 X 24 | 1,42 | D  | 40 | 24 | 10 |
| 290200006000143 | Mandril Máquina HSS-E CO - 1,43 X 24 | 1,43 | D  | 40 | 24 | 10 |
| 290200006000144 | Mandril Máquina HSS-E CO - 1,44 X 24 | 1,44 | D  | 40 | 24 | 10 |
| 290200006000145 | Mandril Máquina HSS-E CO - 1,45 X 24 | 1,45 | D  | 40 | 24 | 10 |
| 290200006000146 | Mandril Máquina HSS-E CO - 1,46 X 24 | 1,46 | D  | 40 | 24 | 10 |
| 290200006000147 | Mandril Máquina HSS-E CO - 1,47 X 24 | 1,47 | D  | 40 | 24 | 10 |
| 290200006000148 | Mandril Máquina HSS-E CO - 1,48 X 24 | 1,48 | D  | 40 | 24 | 10 |
| 290200006000149 | Mandril Máquina HSS-E CO - 1,49 X 24 | 1,49 | D  | 40 | 24 | 10 |
| 290200006000150 | Mandril Máquina HSS-E CO - 1,5 X 24  | 1,5  | D  | 40 | 24 | 10 |
| 290200006000151 | Mandril Máquina HSS-E CO - 1,51 X 24 | 1,51 | D  | 40 | 24 | 10 |
| 290200006000152 | Mandril Máquina HSS-E CO - 1,52 X 24 | 1,52 | D  | 40 | 24 | 10 |
| 290200006000153 | Mandril Máquina HSS-E CO - 1,53 X 24 | 1,53 | D  | 40 | 24 | 10 |
| 290200006000154 | Mandril Máquina HSS-E CO - 1,54 X 24 | 1,54 | D  | 40 | 24 | 10 |
| 290200006000155 | Mandril Máquina HSS-E CO - 1,55 X 24 | 1,55 | D  | 40 | 24 | 10 |
| 290200006000156 | Mandril Máquina HSS-E CO - 1,56 X 26 | 1,56 | D  | 43 | 26 | 11 |
| 290200006000157 | Mandril Máquina HSS-E CO - 1,57 X 26 | 1,57 | D  | 43 | 26 | 11 |
| 290200006000158 | Mandril Máquina HSS-E CO - 1,58 X 26 | 1,58 | D  | 43 | 26 | 11 |
| 290200006000159 | Mandril Máquina HSS-E CO - 1,59 X 26 | 1,59 | D  | 43 | 26 | 11 |
| 290200006000160 | Mandril Máquina HSS-E CO - 1,6 X 26  | 1,6  | D  | 43 | 26 | 11 |
| 290200006000161 | Mandril Máquina HSS-E CO - 1,61 X 26 | 1,61 | D  | 43 | 26 | 11 |
| 290200006000162 | Mandril Máquina HSS-E CO - 1,62 X 26 | 1,62 | D  | 43 | 26 | 11 |
| 290200006000163 | Mandril Máquina HSS-E CO - 1,63 X 26 | 1,63 | D  | 43 | 26 | 11 |
| 290200006000164 | Mandril Máquina HSS-E CO - 1,64 X 26 | 1,64 | D  | 43 | 26 | 11 |
| 290200006000165 | Mandril Máquina HSS-E CO - 1,65 X 26 | 1,65 | D  | 43 | 26 | 11 |
| 290200006000166 | Mandril Máquina HSS-E CO - 1,66 X 26 | 1,66 | D  | 43 | 26 | 11 |
| 290200006000167 | Mandril Máquina HSS-E CO - 1,67 X 26 | 1,67 | D  | 43 | 26 | 11 |
| 290200006000168 | Mandril Máquina HSS-E CO - 1,68 X 26 | 1,68 | D  | 43 | 26 | 11 |
| 290200006000169 | Mandril Máquina HSS-E CO - 1,69 X 26 | 1,69 | D  | 43 | 26 | 11 |
| 290200006000170 | Mandril Máquina HSS-E CO - 1,7 X 26  | 1,7  | D  | 43 | 26 | 11 |
| 290200006000171 | Mandril Máquina HSS-E CO - 1,71 X 26 | 1,71 | D  | 43 | 26 | 11 |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000172 | Mandril Máquina HSS-E CO - 1,72 X 26 | 1,72 | D  | 43 | 26 | 11 |
| 290200006000173 | Mandril Máquina HSS-E CO - 1,73 X 26 | 1,73 | D  | 43 | 26 | 11 |
| 290200006000174 | Mandril Máquina HSS-E CO - 1,74 X 26 | 1,74 | D  | 43 | 26 | 11 |
| 290200006000175 | Mandril Máquina HSS-E CO - 1,75 X 26 | 1,75 | D  | 43 | 26 | 11 |
| 290200006000176 | Mandril Máquina HSS-E CO - 1,76 X 26 | 1,76 | D  | 43 | 26 | 11 |
| 290200006000177 | Mandril Máquina HSS-E CO - 1,77 X 26 | 1,77 | D  | 43 | 26 | 11 |
| 290200006000178 | Mandril Máquina HSS-E CO - 1,78 X 26 | 1,78 | D  | 43 | 26 | 11 |
| 290200006000179 | Mandril Máquina HSS-E CO - 1,79 X 26 | 1,79 | D  | 43 | 26 | 11 |
| 290200006000180 | Mandril Máquina HSS-E CO - 1,8 X 31  | 1,8  | D  | 49 | 31 | 12 |
| 290200006000181 | Mandril Máquina HSS-E CO - 1,81 X 31 | 1,81 | D  | 49 | 31 | 12 |
| 290200006000182 | Mandril Máquina HSS-E CO - 1,82 X 31 | 1,82 | D  | 49 | 31 | 12 |
| 290200006000183 | Mandril Máquina HSS-E CO - 1,83 X 31 | 1,83 | D  | 49 | 31 | 12 |
| 290200006000184 | Mandril Máquina HSS-E CO - 1,84 X 31 | 1,84 | D  | 49 | 31 | 12 |
| 290200006000185 | Mandril Máquina HSS-E CO - 1,85 X 31 | 1,85 | D  | 49 | 31 | 12 |
| 290200006000186 | Mandril Máquina HSS-E CO - 1,86 X 31 | 1,86 | D  | 49 | 31 | 12 |
| 290200006000187 | Mandril Máquina HSS-E CO - 1,87 X 31 | 1,87 | D  | 49 | 31 | 12 |
| 290200006000188 | Mandril Máquina HSS-E CO - 1,88 X 31 | 1,88 | D  | 49 | 31 | 12 |
| 290200006000189 | Mandril Máquina HSS-E CO - 1,89 X 31 | 1,89 | D  | 49 | 31 | 12 |
| 290200006000190 | Mandril Máquina HSS-E CO - 1,9 X 31  | 1,9  | D  | 49 | 31 | 12 |
| 290200006000191 | Mandril Máquina HSS-E CO - 1,91 X 31 | 1,91 | D  | 49 | 31 | 12 |
| 290200006000192 | Mandril Máquina HSS-E CO - 1,92 X 31 | 1,92 | D  | 49 | 31 | 12 |
| 290200006000193 | Mandril Máquina HSS-E CO - 1,93 X 31 | 1,93 | D  | 49 | 31 | 12 |
| 290200006000194 | Mandril Máquina HSS-E CO - 1,94 X 31 | 1,94 | D  | 49 | 31 | 12 |
| 290200006000195 | Mandril Máquina HSS-E CO - 1,95 X 31 | 1,95 | D  | 49 | 31 | 12 |
| 290200006000196 | Mandril Máquina HSS-E CO - 1,96 X 31 | 1,96 | D  | 49 | 31 | 12 |
| 290200006000197 | Mandril Máquina HSS-E CO - 1,97 X 31 | 1,97 | D  | 49 | 31 | 12 |
| 290200006000198 | Mandril Máquina HSS-E CO - 1,98 X 31 | 1,98 | D  | 49 | 31 | 12 |
| 290200006000199 | Mandril Máquina HSS-E CO - 1,99 X 31 | 1,99 | D  | 49 | 31 | 12 |
| 290200006000200 | Mandril Máquina HSS-E CO - 2 X 31    | 2    | D  | 49 | 31 | 12 |
| 290200006000201 | Mandril Máquina HSS-E CO - 2,01 X 31 | 2,01 | D  | 49 | 31 | 12 |
| 290200006000202 | Mandril Máquina HSS-E CO - 2,02 X 31 | 2,02 | D  | 49 | 31 | 12 |
| 290200006000203 | Mandril Máquina HSS-E CO - 2,03 X 31 | 2,03 | D  | 49 | 31 | 12 |
| 290200006000204 | Mandril Máquina HSS-E CO - 2,04 X 31 | 2,04 | D  | 49 | 31 | 12 |
| 290200006000205 | Mandril Máquina HSS-E CO - 2,05 X 31 | 2,05 | D  | 49 | 31 | 12 |
| 290200006000206 | Mandril Máquina HSS-E CO - 2,06 X 31 | 2,06 | D  | 49 | 31 | 12 |
| 290200006000207 | Mandril Máquina HSS-E CO - 2,07 X 31 | 2,07 | D  | 49 | 31 | 12 |
| 290200006000208 | Mandril Máquina HSS-E CO - 2,08 X 31 | 2,08 | D  | 49 | 31 | 12 |
| 290200006000209 | Mandril Máquina HSS-E CO - 2,09 X 31 | 2,09 | D  | 49 | 31 | 12 |
| 290200006000210 | Mandril Máquina HSS-E CO - 2,1 X 31  | 2,1  | D  | 49 | 31 | 12 |
| 290200006000211 | Mandril Máquina HSS-E CO - 2,11 X 31 | 2,11 | D  | 49 | 31 | 12 |
| 290200006000212 | Mandril Máquina HSS-E CO - 2,12 X 31 | 2,12 | D  | 49 | 31 | 12 |
| 290200006000213 | Mandril Máquina HSS-E CO - 2,13 X 31 | 2,13 | D  | 49 | 31 | 12 |
| 290200006000214 | Mandril Máquina HSS-E CO - 2,14 X 31 | 2,14 | D  | 49 | 31 | 12 |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000215 | Mandril Máquina HSS-E CO - 2,15 X 31 | 2,15 | D  | 49 | 31 | 12 |
| 290200006000216 | Mandril Máquina HSS-E CO - 2,16 X 31 | 2,16 | D  | 49 | 31 | 12 |
| 290200006000217 | Mandril Máquina HSS-E CO - 2,17 X 31 | 2,17 | D  | 49 | 31 | 12 |
| 290200006000218 | Mandril Máquina HSS-E CO - 2,18 X 31 | 2,18 | D  | 49 | 31 | 12 |
| 290200006000219 | Mandril Máquina HSS-E CO - 2,19 X 31 | 2,19 | D  | 49 | 31 | 12 |
| 290200006000220 | Mandril Máquina HSS-E CO - 2,2 X 31  | 2,2  | D  | 49 | 31 | 12 |
| 290200006000221 | Mandril Máquina HSS-E CO - 2,21 X 31 | 2,21 | D  | 49 | 31 | 12 |
| 290200006000222 | Mandril Máquina HSS-E CO - 2,22 X 31 | 2,22 | D  | 49 | 31 | 12 |
| 290200006000223 | Mandril Máquina HSS-E CO - 2,23 X 31 | 2,23 | D  | 49 | 31 | 12 |
| 290200006000224 | Mandril Máquina HSS-E CO - 2,24 X 31 | 2,24 | D  | 49 | 31 | 12 |
| 290200006000225 | Mandril Máquina HSS-E CO - 2,25 X 31 | 2,25 | D  | 49 | 31 | 12 |
| 290200006000226 | Mandril Máquina HSS-E CO - 2,26 X 31 | 2,26 | D  | 49 | 31 | 12 |
| 290200006000227 | Mandril Máquina HSS-E CO - 2,27 X 31 | 2,27 | D  | 49 | 31 | 12 |
| 290200006000228 | Mandril Máquina HSS-E CO - 2,28 X 31 | 2,28 | D  | 49 | 31 | 12 |
| 290200006000229 | Mandril Máquina HSS-E CO - 2,29 X 31 | 2,29 | D  | 49 | 31 | 12 |
| 290200006000230 | Mandril Máquina HSS-E CO - 2,3 X 31  | 2,3  | D  | 49 | 31 | 12 |
| 290200006000231 | Mandril Máquina HSS-E CO - 2,31 X 31 | 2,31 | D  | 49 | 31 | 12 |
| 290200006000232 | Mandril Máquina HSS-E CO - 2,32 X 31 | 2,32 | D  | 49 | 31 | 12 |
| 290200006000233 | Mandril Máquina HSS-E CO - 2,33 X 31 | 2,33 | D  | 49 | 31 | 12 |
| 290200006000234 | Mandril Máquina HSS-E CO - 2,34 X 31 | 2,34 | D  | 49 | 31 | 12 |
| 290200006000235 | Mandril Máquina HSS-E CO - 2,35 X 31 | 2,35 | D  | 49 | 31 | 12 |
| 290200006000236 | Mandril Máquina HSS-E CO - 2,36 X 31 | 2,36 | D  | 49 | 31 | 12 |
| 290200006000237 | Mandril Máquina HSS-E CO - 2,37 X 38 | 2,37 | D  | 57 | 38 | 18 |
| 290200006000238 | Mandril Máquina HSS-E CO - 2,38 X 38 | 2,38 | D  | 57 | 38 | 18 |
| 290200006000239 | Mandril Máquina HSS-E CO - 2,39 X 38 | 2,39 | D  | 57 | 38 | 18 |
| 290200006000240 | Mandril Máquina HSS-E CO - 2,4 X 38  | 2,4  | D  | 57 | 38 | 18 |
| 290200006000241 | Mandril Máquina HSS-E CO - 2,41 X 38 | 2,41 | D  | 57 | 38 | 18 |
| 290200006000242 | Mandril Máquina HSS-E CO - 2,42 X 38 | 2,42 | D  | 57 | 38 | 18 |
| 290200006000243 | Mandril Máquina HSS-E CO - 2,43 X 38 | 2,43 | D  | 57 | 38 | 18 |
| 290200006000244 | Mandril Máquina HSS-E CO - 2,44 X 38 | 2,44 | D  | 57 | 38 | 18 |
| 290200006000245 | Mandril Máquina HSS-E CO - 2,45 X 38 | 2,45 | D  | 57 | 38 | 18 |
| 290200006000246 | Mandril Máquina HSS-E CO - 2,46 X 38 | 2,46 | D  | 57 | 38 | 18 |
| 290200006000247 | Mandril Máquina HSS-E CO - 2,47 X 38 | 2,47 | D  | 57 | 38 | 18 |
| 290200006000248 | Mandril Máquina HSS-E CO - 2,48 X 38 | 2,48 | D  | 57 | 38 | 18 |
| 290200006000249 | Mandril Máquina HSS-E CO - 2,49 X 38 | 2,49 | D  | 57 | 38 | 18 |
| 290200006000250 | Mandril Máquina HSS-E CO - 2,5 X 38  | 2,5  | D  | 57 | 38 | 18 |
| 290200006000251 | Mandril Máquina HSS-E CO - 2,51 X 38 | 2,51 | D  | 57 | 38 | 18 |
| 290200006000252 | Mandril Máquina HSS-E CO - 2,52 X 38 | 2,52 | D  | 57 | 38 | 18 |
| 290200006000253 | Mandril Máquina HSS-E CO - 2,53 X 38 | 2,53 | D  | 57 | 38 | 18 |
| 290200006000254 | Mandril Máquina HSS-E CO - 2,54 X 38 | 2,54 | D  | 57 | 38 | 18 |
| 290200006000255 | Mandril Máquina HSS-E CO - 2,55 X 38 | 2,55 | D  | 57 | 38 | 18 |
| 290200006000256 | Mandril Máquina HSS-E CO - 2,56 X 38 | 2,56 | D  | 57 | 38 | 18 |
| 290200006000257 | Mandril Máquina HSS-E CO - 2,57 X 38 | 2,57 | D  | 57 | 38 | 18 |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000258 | Mandril Máquina HSS-E CO - 2,58 X 38 | 2,58 | D  | 57 | 38 | 18 |
| 290200006000259 | Mandril Máquina HSS-E CO - 2,59 X 38 | 2,59 | D  | 57 | 38 | 18 |
| 290200006000260 | Mandril Máquina HSS-E CO - 2,6 X 38  | 2,6  | D  | 57 | 38 | 18 |
| 290200006000261 | Mandril Máquina HSS-E CO - 2,61 X 38 | 2,61 | D  | 57 | 38 | 18 |
| 290200006000262 | Mandril Máquina HSS-E CO - 2,62 X 38 | 2,62 | D  | 57 | 38 | 18 |
| 290200006000263 | Mandril Máquina HSS-E CO - 2,63 X 38 | 2,63 | D  | 57 | 38 | 18 |
| 290200006000264 | Mandril Máquina HSS-E CO - 2,64 X 38 | 2,64 | D  | 57 | 38 | 18 |
| 290200006000265 | Mandril Máquina HSS-E CO - 2,65 X 38 | 2,65 | D  | 57 | 38 | 18 |
| 290200006000266 | Mandril Máquina HSS-E CO - 2,66 X 38 | 2,66 | D  | 57 | 38 | 18 |
| 290200006000267 | Mandril Máquina HSS-E CO - 2,67 X 38 | 2,67 | D  | 57 | 38 | 18 |
| 290200006000268 | Mandril Máquina HSS-E CO - 2,68 X 38 | 2,68 | D  | 57 | 38 | 18 |
| 290200006000269 | Mandril Máquina HSS-E CO - 2,69 X 38 | 2,69 | D  | 57 | 38 | 18 |
| 290200006000270 | Mandril Máquina HSS-E CO - 2,7 X 38  | 2,7  | D  | 57 | 38 | 18 |
| 290200006000271 | Mandril Máquina HSS-E CO - 2,71 X 38 | 2,71 | D  | 57 | 38 | 18 |
| 290200006000272 | Mandril Máquina HSS-E CO - 2,72 X 38 | 2,72 | D  | 57 | 38 | 18 |
| 290200006000273 | Mandril Máquina HSS-E CO - 2,73 X 38 | 2,73 | D  | 57 | 38 | 18 |
| 290200006000274 | Mandril Máquina HSS-E CO - 2,74 X 38 | 2,74 | D  | 57 | 38 | 18 |
| 290200006000275 | Mandril Máquina HSS-E CO - 2,75 X 38 | 2,75 | D  | 57 | 38 | 18 |
| 290200006000276 | Mandril Máquina HSS-E CO - 2,76 X 38 | 2,76 | D  | 57 | 38 | 18 |
| 290200006000277 | Mandril Máquina HSS-E CO - 2,77 X 38 | 2,77 | D  | 57 | 38 | 18 |
| 290200006000278 | Mandril Máquina HSS-E CO - 2,78 X 38 | 2,78 | D  | 57 | 38 | 18 |
| 290200006000279 | Mandril Máquina HSS-E CO - 2,79 X 38 | 2,79 | D  | 57 | 38 | 18 |
| 290200006000280 | Mandril Máquina HSS-E CO - 2,8 X 38  | 2,8  | D  | 57 | 38 | 18 |
| 290200006000281 | Mandril Máquina HSS-E CO - 2,81 X 38 | 2,81 | D  | 57 | 38 | 18 |
| 290200006000282 | Mandril Máquina HSS-E CO - 2,82 X 38 | 2,82 | D  | 57 | 38 | 18 |
| 290200006000283 | Mandril Máquina HSS-E CO - 2,83 X 38 | 2,83 | D  | 57 | 38 | 18 |
| 290200006000284 | Mandril Máquina HSS-E CO - 2,84 X 38 | 2,84 | D  | 57 | 38 | 18 |
| 290200006000285 | Mandril Máquina HSS-E CO - 2,85 X 38 | 2,85 | D  | 57 | 38 | 18 |
| 290200006000286 | Mandril Máquina HSS-E CO - 2,86 X 38 | 2,86 | D  | 57 | 38 | 18 |
| 290200006000287 | Mandril Máquina HSS-E CO - 2,87 X 38 | 2,87 | D  | 57 | 38 | 18 |
| 290200006000288 | Mandril Máquina HSS-E CO - 2,88 X 38 | 2,88 | D  | 57 | 38 | 18 |
| 290200006000289 | Mandril Máquina HSS-E CO - 2,89 X 38 | 2,89 | D  | 57 | 38 | 18 |
| 290200006000290 | Mandril Máquina HSS-E CO - 2,9 X 38  | 2,9  | D  | 57 | 38 | 18 |
| 290200006000291 | Mandril Máquina HSS-E CO - 2,91 X 38 | 2,91 | D  | 57 | 38 | 18 |
| 290200006000292 | Mandril Máquina HSS-E CO - 2,92 X 38 | 2,92 | D  | 57 | 38 | 18 |
| 290200006000293 | Mandril Máquina HSS-E CO - 2,93 X 38 | 2,93 | D  | 57 | 38 | 18 |
| 290200006000294 | Mandril Máquina HSS-E CO - 2,94 X 38 | 2,94 | D  | 57 | 38 | 18 |
| 290200006000295 | Mandril Máquina HSS-E CO - 2,95 X 38 | 2,95 | D  | 57 | 38 | 18 |
| 290200006000296 | Mandril Máquina HSS-E CO - 2,96 X 38 | 2,96 | D  | 57 | 38 | 18 |
| 290200006000297 | Mandril Máquina HSS-E CO - 2,97 X 38 | 2,97 | D  | 57 | 38 | 18 |
| 290200006000298 | Mandril Máquina HSS-E CO - 2,98 X 38 | 2,98 | D  | 57 | 38 | 18 |
| 290200006000299 | Mandril Máquina HSS-E CO - 2,99 X 38 | 2,99 | D  | 57 | 38 | 18 |
| 290200006000300 | Mandril Máquina HSS-E CO - 3 X 38    | 3    | D  | 57 | 38 | 18 |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000301 | Mandril Máquina HSS-E CO - 3,01 X 38 | 3,01 | D  | 57 | 38 | 18 |
| 290200006000302 | Mandril Máquina HSS-E CO - 3,02 X 38 | 3,02 | D  | 57 | 38 | 18 |
| 290200006000303 | Mandril Máquina HSS-E CO - 3,03 X 38 | 3,03 | D  | 57 | 38 | 18 |
| 290200006000304 | Mandril Máquina HSS-E CO - 3,04 X 38 | 3,04 | D  | 57 | 38 | 18 |
| 290200006000305 | Mandril Máquina HSS-E CO - 3,05 X 38 | 3,05 | D  | 57 | 38 | 18 |
| 290200006000306 | Mandril Máquina HSS-E CO - 3,06 X 38 | 3,06 | D  | 57 | 38 | 18 |
| 290200006000307 | Mandril Máquina HSS-E CO - 3,07 X 38 | 3,07 | D  | 57 | 38 | 18 |
| 290200006000308 | Mandril Máquina HSS-E CO - 3,08 X 38 | 3,08 | D  | 57 | 38 | 18 |
| 290200006000309 | Mandril Máquina HSS-E CO - 3,09 X 38 | 3,09 | D  | 57 | 38 | 18 |
| 290200006000310 | Mandril Máquina HSS-E CO - 3,1 X 38  | 3,1  | D  | 57 | 38 | 18 |
| 290200006000311 | Mandril Máquina HSS-E CO - 3,11 X 38 | 3,11 | D  | 57 | 38 | 18 |
| 290200006000312 | Mandril Máquina HSS-E CO - 3,12 X 38 | 3,12 | D  | 57 | 38 | 18 |
| 290200006000313 | Mandril Máquina HSS-E CO - 3,13 X 38 | 3,13 | D  | 57 | 38 | 18 |
| 290200006000314 | Mandril Máquina HSS-E CO - 3,14 X 38 | 3,14 | D  | 57 | 38 | 18 |
| 290200006000315 | Mandril Máquina HSS-E CO - 3,15 X 38 | 3,15 | D  | 57 | 38 | 18 |
| 290200006000316 | Mandril Máquina HSS-E CO - 3,16 X 38 | 3,16 | D  | 57 | 38 | 18 |
| 290200006000317 | Mandril Máquina HSS-E CO - 3,17 X 38 | 3,17 | D  | 57 | 38 | 18 |
| 290200006000318 | Mandril Máquina HSS-E CO - 3,18 X 38 | 3,18 | D  | 57 | 38 | 18 |
| 290200006000319 | Mandril Máquina HSS-E CO - 3,19 X 38 | 3,19 | D  | 57 | 38 | 18 |
| 290200006000320 | Mandril Máquina HSS-E CO - 3,2 X 38  | 3,2  | D  | 57 | 38 | 18 |
| 290200006000321 | Mandril Máquina HSS-E CO - 3,21 X 38 | 3,21 | D  | 57 | 38 | 18 |
| 290200006000322 | Mandril Máquina HSS-E CO - 3,22 X 38 | 3,22 | D  | 57 | 38 | 18 |
| 290200006000323 | Mandril Máquina HSS-E CO - 3,23 X 38 | 3,23 | D  | 57 | 38 | 18 |
| 290200006000324 | Mandril Máquina HSS-E CO - 3,24 X 38 | 3,24 | D  | 57 | 38 | 18 |
| 290200006000325 | Mandril Máquina HSS-E CO - 3,25 X 38 | 3,25 | D  | 57 | 38 | 18 |
| 290200006000326 | Mandril Máquina HSS-E CO - 3,26 X 38 | 3,26 | D  | 57 | 38 | 18 |
| 290200006000327 | Mandril Máquina HSS-E CO - 3,27 X 38 | 3,27 | D  | 57 | 38 | 18 |
| 290200006000328 | Mandril Máquina HSS-E CO - 3,28 X 38 | 3,28 | D  | 57 | 38 | 18 |
| 290200006000329 | Mandril Máquina HSS-E CO - 3,29 X 38 | 3,29 | D  | 57 | 38 | 18 |
| 290200006000330 | Mandril Máquina HSS-E CO - 3,3 X 38  | 3,3  | D  | 57 | 38 | 18 |
| 290200006000331 | Mandril Máquina HSS-E CO - 3,31 X 38 | 3,31 | D  | 57 | 38 | 18 |
| 290200006000332 | Mandril Máquina HSS-E CO - 3,32 X 38 | 3,32 | D  | 57 | 38 | 18 |
| 290200006000333 | Mandril Máquina HSS-E CO - 3,33 X 38 | 3,33 | D  | 57 | 38 | 18 |
| 290200006000334 | Mandril Máquina HSS-E CO - 3,34 X 38 | 3,34 | D  | 57 | 38 | 18 |
| 290200006000335 | Mandril Máquina HSS-E CO - 3,35 X 38 | 3,35 | D  | 57 | 38 | 18 |
| 290200006000336 | Mandril Máquina HSS-E CO - 3,36 X 38 | 3,36 | D  | 57 | 38 | 18 |
| 290200006000337 | Mandril Máquina HSS-E CO - 3,37 X 38 | 3,37 | D  | 57 | 38 | 18 |
| 290200006000338 | Mandril Máquina HSS-E CO - 3,38 X 38 | 3,38 | D  | 57 | 38 | 18 |
| 290200006000339 | Mandril Máquina HSS-E CO - 3,39 X 38 | 3,39 | D  | 57 | 38 | 18 |
| 290200006000340 | Mandril Máquina HSS-E CO - 3,4 X 38  | 3,4  | D  | 57 | 38 | 18 |
| 290200006000341 | Mandril Máquina HSS-E CO - 3,41 X 38 | 3,41 | D  | 57 | 38 | 18 |
| 290200006000342 | Mandril Máquina HSS-E CO - 3,42 X 38 | 3,42 | D  | 57 | 38 | 18 |
| 290200006000343 | Mandril Máquina HSS-E CO - 3,43 X 38 | 3,43 | D  | 57 | 38 | 18 |

| Ref.            | Descrição                            | D1   | D2 | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|----|----|----|----|
| 290200006000344 | Mandril Máquina HSS-E CO - 3,44 X 38 | 3,44 | D  | 57 | 38 | 18 |
| 290200006000345 | Mandril Máquina HSS-E CO - 3,45 X 38 | 3,45 | D  | 57 | 38 | 18 |
| 290200006000346 | Mandril Máquina HSS-E CO - 3,46 X 38 | 3,46 | D  | 57 | 38 | 18 |
| 290200006000347 | Mandril Máquina HSS-E CO - 3,47 X 38 | 3,47 | D  | 57 | 38 | 18 |
| 290200006000348 | Mandril Máquina HSS-E CO - 3,48 X 38 | 3,48 | D  | 57 | 38 | 18 |
| 290200006000349 | Mandril Máquina HSS-E CO - 3,49 X 38 | 3,49 | D  | 57 | 38 | 18 |
| 290200006000350 | Mandril Máquina HSS-E CO - 3,5 X 38  | 3,5  | D  | 57 | 38 | 18 |
| 290200006000351 | Mandril Máquina HSS-E CO - 3,51 X 38 | 3,51 | D  | 57 | 38 | 18 |
| 290200006000352 | Mandril Máquina HSS-E CO - 3,52 X 38 | 3,52 | D  | 57 | 38 | 18 |
| 290200006000353 | Mandril Máquina HSS-E CO - 3,53 X 38 | 3,53 | D  | 57 | 38 | 18 |
| 290200006000354 | Mandril Máquina HSS-E CO - 3,54 X 38 | 3,54 | D  | 57 | 38 | 18 |
| 290200006000355 | Mandril Máquina HSS-E CO - 3,55 X 38 | 3,55 | D  | 57 | 38 | 18 |
| 290200006000356 | Mandril Máquina HSS-E CO - 3,56 X 38 | 3,56 | D  | 57 | 38 | 18 |
| 290200006000357 | Mandril Máquina HSS-E CO - 3,57 X 38 | 3,57 | D  | 57 | 38 | 18 |
| 290200006000358 | Mandril Máquina HSS-E CO - 3,58 X 38 | 3,58 | D  | 57 | 38 | 18 |
| 290200006000359 | Mandril Máquina HSS-E CO - 3,59 X 38 | 3,59 | D  | 57 | 38 | 18 |
| 290200006000360 | Mandril Máquina HSS-E CO - 3,6 X 38  | 3,6  | D  | 57 | 38 | 18 |
| 290200006000361 | Mandril Máquina HSS-E CO - 3,61 X 38 | 3,61 | D  | 57 | 38 | 18 |
| 290200006000362 | Mandril Máquina HSS-E CO - 3,62 X 38 | 3,62 | D  | 57 | 38 | 18 |
| 290200006000363 | Mandril Máquina HSS-E CO - 3,63 X 38 | 3,63 | D  | 57 | 38 | 18 |
| 290200006000364 | Mandril Máquina HSS-E CO - 3,64 X 38 | 3,64 | D  | 57 | 38 | 18 |
| 290200006000365 | Mandril Máquina HSS-E CO - 3,65 X 38 | 3,65 | D  | 57 | 38 | 18 |
| 290200006000366 | Mandril Máquina HSS-E CO - 3,66 X 38 | 3,66 | D  | 57 | 38 | 18 |
| 290200006000367 | Mandril Máquina HSS-E CO - 3,67 X 38 | 3,67 | D  | 57 | 38 | 18 |
| 290200006000368 | Mandril Máquina HSS-E CO - 3,68 X 38 | 3,68 | D  | 57 | 38 | 18 |
| 290200006000369 | Mandril Máquina HSS-E CO - 3,69 X 38 | 3,69 | D  | 57 | 38 | 18 |
| 290200006000370 | Mandril Máquina HSS-E CO - 3,7 X 38  | 3,7  | D  | 57 | 38 | 18 |
| 290200006000371 | Mandril Máquina HSS-E CO - 3,71 X 38 | 3,71 | D  | 57 | 38 | 18 |
| 290200006000372 | Mandril Máquina HSS-E CO - 3,72 X 38 | 3,72 | D  | 57 | 38 | 18 |
| 290200006000373 | Mandril Máquina HSS-E CO - 3,73 X 38 | 3,73 | D  | 57 | 38 | 18 |
| 290200006000374 | Mandril Máquina HSS-E CO - 3,74 X 38 | 3,74 | D  | 57 | 38 | 18 |
| 290200006000375 | Mandril Máquina HSS-E CO - 3,75 X 38 | 3,75 | D  | 57 | 38 | 18 |
| 290200006000376 | Mandril Máquina HSS-E CO - 3,76 X 51 | 3,76 | 4  | 75 | 51 | 19 |
| 290200006000377 | Mandril Máquina HSS-E CO - 3,77 X 51 | 3,77 | 4  | 75 | 51 | 19 |
| 290200006000378 | Mandril Máquina HSS-E CO - 3,78 X 51 | 3,78 | 4  | 75 | 51 | 19 |
| 290200006000379 | Mandril Máquina HSS-E CO - 3,79 X 51 | 3,79 | 4  | 75 | 51 | 19 |
| 290200006000380 | Mandril Máquina HSS-E CO - 3,8 X 51  | 3,8  | 4  | 75 | 51 | 19 |
| 290200006000381 | Mandril Máquina HSS-E CO - 3,81 X 51 | 3,81 | 4  | 75 | 51 | 19 |
| 290200006000382 | Mandril Máquina HSS-E CO - 3,82 X 51 | 3,82 | 4  | 75 | 51 | 19 |
| 290200006000383 | Mandril Máquina HSS-E CO - 3,83 X 51 | 3,83 | 4  | 75 | 51 | 19 |
| 290200006000384 | Mandril Máquina HSS-E CO - 3,84 X 51 | 3,84 | 4  | 75 | 51 | 19 |
| 290200006000385 | Mandril Máquina HSS-E CO - 3,85 X 51 | 3,85 | 4  | 75 | 51 | 19 |
| 290200006000386 | Mandril Máquina HSS-E CO - 3,86 X 51 | 3,86 | 4  | 75 | 51 | 19 |

| Ref.            | Descrição                            | D1   | D2  | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|-----|----|----|----|
| 290200006000387 | Mandril Máquina HSS-E CO - 3,87 X 51 | 3,87 | 4   | 75 | 51 | 19 |
| 290200006000388 | Mandril Máquina HSS-E CO - 3,88 X 51 | 3,88 | 4   | 75 | 51 | 19 |
| 290200006000389 | Mandril Máquina HSS-E CO - 3,89 X 51 | 3,89 | 4   | 75 | 51 | 19 |
| 290200006000390 | Mandril Máquina HSS-E CO - 3,9 X 51  | 3,9  | 4   | 75 | 51 | 19 |
| 290200006000391 | Mandril Máquina HSS-E CO - 3,91 X 51 | 3,91 | 4   | 75 | 51 | 19 |
| 290200006000392 | Mandril Máquina HSS-E CO - 3,92 X 51 | 3,92 | 4   | 75 | 51 | 19 |
| 290200006000393 | Mandril Máquina HSS-E CO - 3,93 X 51 | 3,93 | 4   | 75 | 51 | 19 |
| 290200006000394 | Mandril Máquina HSS-E CO - 3,94 X 51 | 3,94 | 4   | 75 | 51 | 19 |
| 290200006000395 | Mandril Máquina HSS-E CO - 3,95 X 51 | 3,95 | 4   | 75 | 51 | 19 |
| 290200006000396 | Mandril Máquina HSS-E CO - 3,96 X 51 | 3,96 | 4   | 75 | 51 | 19 |
| 290200006000397 | Mandril Máquina HSS-E CO - 3,97 X 51 | 3,97 | 4   | 75 | 51 | 19 |
| 290200006000398 | Mandril Máquina HSS-E CO - 3,98 X 51 | 3,98 | 4   | 75 | 51 | 19 |
| 290200006000399 | Mandril Máquina HSS-E CO - 3,99 X 51 | 3,99 | 4   | 75 | 51 | 19 |
| 290200006000400 | Mandril Máquina HSS-E CO - 4 X 51    | 4    | 4   | 75 | 51 | 19 |
| 290200006000401 | Mandril Máquina HSS-E CO - 4,01 X 51 | 4,01 | 4   | 75 | 51 | 19 |
| 290200006000402 | Mandril Máquina HSS-E CO - 4,02 X 51 | 4,02 | 4   | 75 | 51 | 19 |
| 290200006000403 | Mandril Máquina HSS-E CO - 4,03 X 51 | 4,03 | 4   | 75 | 51 | 19 |
| 290200006000404 | Mandril Máquina HSS-E CO - 4,04 X 51 | 4,04 | 4   | 75 | 51 | 19 |
| 290200006000405 | Mandril Máquina HSS-E CO - 4,05 X 51 | 4,05 | 4   | 75 | 51 | 19 |
| 290200006000406 | Mandril Máquina HSS-E CO - 4,06 X 51 | 4,06 | 4   | 75 | 51 | 19 |
| 290200006000407 | Mandril Máquina HSS-E CO - 4,07 X 51 | 4,07 | 4   | 75 | 51 | 19 |
| 290200006000408 | Mandril Máquina HSS-E CO - 4,08 X 51 | 4,08 | 4   | 75 | 51 | 19 |
| 290200006000409 | Mandril Máquina HSS-E CO - 4,09 X 51 | 4,09 | 4   | 75 | 51 | 19 |
| 290200006000410 | Mandril Máquina HSS-E CO - 4,1 X 51  | 4,1  | 4   | 75 | 51 | 19 |
| 290200006000411 | Mandril Máquina HSS-E CO - 4,11 X 51 | 4,11 | 4   | 75 | 51 | 19 |
| 290200006000412 | Mandril Máquina HSS-E CO - 4,12 X 51 | 4,12 | 4   | 75 | 51 | 19 |
| 290200006000413 | Mandril Máquina HSS-E CO - 4,13 X 51 | 4,13 | 4   | 75 | 51 | 19 |
| 290200006000414 | Mandril Máquina HSS-E CO - 4,14 X 51 | 4,14 | 4   | 75 | 51 | 19 |
| 290200006000415 | Mandril Máquina HSS-E CO - 4,15 X 51 | 4,15 | 4   | 75 | 51 | 19 |
| 290200006000416 | Mandril Máquina HSS-E CO - 4,16 X 51 | 4,16 | 4   | 75 | 51 | 19 |
| 290200006000417 | Mandril Máquina HSS-E CO - 4,17 X 51 | 4,17 | 4   | 75 | 51 | 19 |
| 290200006000418 | Mandril Máquina HSS-E CO - 4,18 X 51 | 4,18 | 4   | 75 | 51 | 19 |
| 290200006000419 | Mandril Máquina HSS-E CO - 4,19 X 51 | 4,19 | 4   | 75 | 51 | 19 |
| 290200006000420 | Mandril Máquina HSS-E CO - 4,2 X 51  | 4,2  | 4   | 75 | 51 | 19 |
| 290200006000421 | Mandril Máquina HSS-E CO - 4,21 X 51 | 4,21 | 4   | 75 | 51 | 19 |
| 290200006000422 | Mandril Máquina HSS-E CO - 4,22 X 51 | 4,22 | 4   | 75 | 51 | 19 |
| 290200006000423 | Mandril Máquina HSS-E CO - 4,23 X 51 | 4,23 | 4   | 75 | 51 | 19 |
| 290200006000424 | Mandril Máquina HSS-E CO - 4,24 X 51 | 4,24 | 4   | 75 | 51 | 19 |
| 290200006000425 | Mandril Máquina HSS-E CO - 4,25 X 51 | 4,25 | 4   | 75 | 51 | 19 |
| 290200006000426 | Mandril Máquina HSS-E CO - 4,26 X 55 | 4,26 | 4,5 | 80 | 55 | 21 |
| 290200006000427 | Mandril Máquina HSS-E CO - 4,27 X 55 | 4,27 | 4,5 | 80 | 55 | 21 |
| 290200006000428 | Mandril Máquina HSS-E CO - 4,28 X 55 | 4,28 | 4,5 | 80 | 55 | 21 |
| 290200006000429 | Mandril Máquina HSS-E CO - 4,29 X 55 | 4,29 | 4,5 | 80 | 55 | 21 |

| Ref.            | Descrição                            | D1   | D2  | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|-----|----|----|----|
| 290200006000430 | Mandril Máquina HSS-E CO - 4,3 X 55  | 4,3  | 4,5 | 80 | 55 | 21 |
| 290200006000431 | Mandril Máquina HSS-E CO - 4,31 X 55 | 4,31 | 4,5 | 80 | 55 | 21 |
| 290200006000432 | Mandril Máquina HSS-E CO - 4,32 X 55 | 4,32 | 4,5 | 80 | 55 | 21 |
| 290200006000433 | Mandril Máquina HSS-E CO - 4,33 X 55 | 4,33 | 4,5 | 80 | 55 | 21 |
| 290200006000434 | Mandril Máquina HSS-E CO - 4,34 X 55 | 4,34 | 4,5 | 80 | 55 | 21 |
| 290200006000435 | Mandril Máquina HSS-E CO - 4,35 X 55 | 4,35 | 4,5 | 80 | 55 | 21 |
| 290200006000436 | Mandril Máquina HSS-E CO - 4,36 X 55 | 4,36 | 4,5 | 80 | 55 | 21 |
| 290200006000437 | Mandril Máquina HSS-E CO - 4,37 X 55 | 4,37 | 4,5 | 80 | 55 | 21 |
| 290200006000438 | Mandril Máquina HSS-E CO - 4,38 X 55 | 4,38 | 4,5 | 80 | 55 | 21 |
| 290200006000439 | Mandril Máquina HSS-E CO - 4,39 X 55 | 4,39 | 4,5 | 80 | 55 | 21 |
| 290200006000440 | Mandril Máquina HSS-E CO - 4,4 X 55  | 4,4  | 4,5 | 80 | 55 | 21 |
| 290200006000441 | Mandril Máquina HSS-E CO - 4,41 X 55 | 4,41 | 4,5 | 80 | 55 | 21 |
| 290200006000442 | Mandril Máquina HSS-E CO - 4,42 X 55 | 4,42 | 4,5 | 80 | 55 | 21 |
| 290200006000443 | Mandril Máquina HSS-E CO - 4,43 X 55 | 4,43 | 4,5 | 80 | 55 | 21 |
| 290200006000444 | Mandril Máquina HSS-E CO - 4,44 X 55 | 4,44 | 4,5 | 80 | 55 | 21 |
| 290200006000445 | Mandril Máquina HSS-E CO - 4,45 X 55 | 4,45 | 4,5 | 80 | 55 | 21 |
| 290200006000446 | Mandril Máquina HSS-E CO - 4,46 X 55 | 4,46 | 4,5 | 80 | 55 | 21 |
| 290200006000447 | Mandril Máquina HSS-E CO - 4,47 X 55 | 4,47 | 4,5 | 80 | 55 | 21 |
| 290200006000448 | Mandril Máquina HSS-E CO - 4,48 X 55 | 4,48 | 4,5 | 80 | 55 | 21 |
| 290200006000449 | Mandril Máquina HSS-E CO - 4,49 X 55 | 4,49 | 4,5 | 80 | 55 | 21 |
| 290200006000450 | Mandril Máquina HSS-E CO - 4,5 X 55  | 4,5  | 4,5 | 80 | 55 | 21 |
| 290200006000451 | Mandril Máquina HSS-E CO - 4,51 X 55 | 4,51 | 4,5 | 80 | 55 | 21 |
| 290200006000452 | Mandril Máquina HSS-E CO - 4,52 X 55 | 4,52 | 4,5 | 80 | 55 | 21 |
| 290200006000453 | Mandril Máquina HSS-E CO - 4,53 X 55 | 4,53 | 4,5 | 80 | 55 | 21 |
| 290200006000454 | Mandril Máquina HSS-E CO - 4,54 X 55 | 4,54 | 4,5 | 80 | 55 | 21 |
| 290200006000455 | Mandril Máquina HSS-E CO - 4,55 X 55 | 4,55 | 4,5 | 80 | 55 | 21 |
| 290200006000456 | Mandril Máquina HSS-E CO - 4,56 X 55 | 4,56 | 4,5 | 80 | 55 | 21 |
| 290200006000457 | Mandril Máquina HSS-E CO - 4,57 X 55 | 4,57 | 4,5 | 80 | 55 | 21 |
| 290200006000458 | Mandril Máquina HSS-E CO - 4,58 X 55 | 4,58 | 4,5 | 80 | 55 | 21 |
| 290200006000459 | Mandril Máquina HSS-E CO - 4,59 X 55 | 4,59 | 4,5 | 80 | 55 | 21 |
| 290200006000460 | Mandril Máquina HSS-E CO - 4,6 X 55  | 4,6  | 4,5 | 80 | 55 | 21 |
| 290200006000461 | Mandril Máquina HSS-E CO - 4,61 X 55 | 4,61 | 4,5 | 80 | 55 | 21 |
| 290200006000462 | Mandril Máquina HSS-E CO - 4,62 X 55 | 4,62 | 4,5 | 80 | 55 | 21 |
| 290200006000463 | Mandril Máquina HSS-E CO - 4,63 X 55 | 4,63 | 4,5 | 80 | 55 | 21 |
| 290200006000464 | Mandril Máquina HSS-E CO - 4,64 X 55 | 4,64 | 4,5 | 80 | 55 | 21 |
| 290200006000465 | Mandril Máquina HSS-E CO - 4,65 X 55 | 4,65 | 4,5 | 80 | 55 | 21 |
| 290200006000466 | Mandril Máquina HSS-E CO - 4,66 X 55 | 4,66 | 4,5 | 80 | 55 | 21 |
| 290200006000467 | Mandril Máquina HSS-E CO - 4,67 X 55 | 4,67 | 4,5 | 80 | 55 | 21 |
| 290200006000468 | Mandril Máquina HSS-E CO - 4,68 X 55 | 4,68 | 4,5 | 80 | 55 | 21 |
| 290200006000469 | Mandril Máquina HSS-E CO - 4,69 X 55 | 4,69 | 4,5 | 80 | 55 | 21 |
| 290200006000470 | Mandril Máquina HSS-E CO - 4,7 X 55  | 4,7  | 4,5 | 80 | 55 | 21 |
| 290200006000471 | Mandril Máquina HSS-E CO - 4,71 X 55 | 4,71 | 4,5 | 80 | 55 | 21 |
| 290200006000472 | Mandril Máquina HSS-E CO - 4,72 X 55 | 4,72 | 4,5 | 80 | 55 | 21 |

| Ref.            | Descrição                            | D1   | D2  | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|-----|----|----|----|
| 290200006000473 | Mandril Máquina HSS-E CO - 4,73 X 55 | 4,73 | 4,5 | 80 | 55 | 21 |
| 290200006000474 | Mandril Máquina HSS-E CO - 4,74 X 55 | 4,74 | 4,5 | 80 | 55 | 21 |
| 290200006000475 | Mandril Máquina HSS-E CO - 4,75 X 55 | 4,75 | 4,5 | 80 | 55 | 21 |
| 290200006000476 | Mandril Máquina HSS-E CO - 4,76 X 60 | 4,76 | 5   | 86 | 60 | 23 |
| 290200006000477 | Mandril Máquina HSS-E CO - 4,77 X 60 | 4,77 | 5   | 86 | 60 | 23 |
| 290200006000478 | Mandril Máquina HSS-E CO - 4,78 X 60 | 4,78 | 5   | 86 | 60 | 23 |
| 290200006000479 | Mandril Máquina HSS-E CO - 4,79 X 60 | 4,79 | 5   | 86 | 60 | 23 |
| 290200006000480 | Mandril Máquina HSS-E CO - 4,8 X 60  | 4,8  | 5   | 86 | 60 | 23 |
| 290200006000481 | Mandril Máquina HSS-E CO - 4,81 X 60 | 4,81 | 5   | 86 | 60 | 23 |
| 290200006000482 | Mandril Máquina HSS-E CO - 4,82 X 60 | 4,82 | 5   | 86 | 60 | 23 |
| 290200006000483 | Mandril Máquina HSS-E CO - 4,83 X 60 | 4,83 | 5   | 86 | 60 | 23 |
| 290200006000484 | Mandril Máquina HSS-E CO - 4,84 X 60 | 4,84 | 5   | 86 | 60 | 23 |
| 290200006000485 | Mandril Máquina HSS-E CO - 4,85 X 60 | 4,85 | 5   | 86 | 60 | 23 |
| 290200006000486 | Mandril Máquina HSS-E CO - 4,86 X 60 | 4,86 | 5   | 86 | 60 | 23 |
| 290200006000487 | Mandril Máquina HSS-E CO - 4,87 X 60 | 4,87 | 5   | 86 | 60 | 23 |
| 290200006000488 | Mandril Máquina HSS-E CO - 4,88 X 60 | 4,88 | 5   | 86 | 60 | 23 |
| 290200006000489 | Mandril Máquina HSS-E CO - 4,89 X 60 | 4,89 | 5   | 86 | 60 | 23 |
| 290200006000490 | Mandril Máquina HSS-E CO - 4,9 X 60  | 4,9  | 5   | 86 | 60 | 23 |
| 290200006000491 | Mandril Máquina HSS-E CO - 4,91 X 60 | 4,91 | 5   | 86 | 60 | 23 |
| 290200006000492 | Mandril Máquina HSS-E CO - 4,92 X 60 | 4,92 | 5   | 86 | 60 | 23 |
| 290200006000493 | Mandril Máquina HSS-E CO - 4,93 X 60 | 4,93 | 5   | 86 | 60 | 23 |
| 290200006000494 | Mandril Máquina HSS-E CO - 4,94 X 60 | 4,94 | 5   | 86 | 60 | 23 |
| 290200006000495 | Mandril Máquina HSS-E CO - 4,95 X 60 | 4,95 | 5   | 86 | 60 | 23 |
| 290200006000496 | Mandril Máquina HSS-E CO - 4,96 X 60 | 4,96 | 5   | 86 | 60 | 23 |
| 290200006000497 | Mandril Máquina HSS-E CO - 4,97 X 60 | 4,97 | 5   | 86 | 60 | 23 |
| 290200006000498 | Mandril Máquina HSS-E CO - 4,98 X 60 | 4,98 | 5   | 86 | 60 | 23 |
| 290200006000499 | Mandril Máquina HSS-E CO - 4,99 X 60 | 4,99 | 5   | 86 | 60 | 23 |
| 290200006000500 | Mandril Máquina HSS-E CO - 5 X 60    | 5    | 5   | 86 | 60 | 23 |
| 290200006000501 | Mandril Máquina HSS-E CO - 5,01 X 60 | 5,01 | 5   | 86 | 60 | 23 |
| 290200006000502 | Mandril Máquina HSS-E CO - 5,02 X 60 | 5,02 | 5   | 86 | 60 | 23 |
| 290200006000503 | Mandril Máquina HSS-E CO - 5,03 X 60 | 5,03 | 5   | 86 | 60 | 23 |
| 290200006000504 | Mandril Máquina HSS-E CO - 5,04 X 60 | 5,04 | 5   | 86 | 60 | 23 |
| 290200006000505 | Mandril Máquina HSS-E CO - 5,05 X 60 | 5,05 | 5   | 86 | 60 | 23 |
| 290200006000506 | Mandril Máquina HSS-E CO - 5,06 X 60 | 5,06 | 5   | 86 | 60 | 23 |
| 290200006000507 | Mandril Máquina HSS-E CO - 5,07 X 60 | 5,07 | 5   | 86 | 60 | 23 |
| 290200006000508 | Mandril Máquina HSS-E CO - 5,08 X 60 | 5,08 | 5   | 86 | 60 | 23 |
| 290200006000509 | Mandril Máquina HSS-E CO - 5,09 X 60 | 5,09 | 5   | 86 | 60 | 23 |
| 290200006000510 | Mandril Máquina HSS-E CO - 5,1 X 60  | 5,1  | 5   | 86 | 60 | 23 |
| 290200006000511 | Mandril Máquina HSS-E CO - 5,11 X 60 | 5,11 | 5   | 86 | 60 | 23 |
| 290200006000512 | Mandril Máquina HSS-E CO - 5,12 X 60 | 5,12 | 5   | 86 | 60 | 23 |
| 290200006000513 | Mandril Máquina HSS-E CO - 5,13 X 60 | 5,13 | 5   | 86 | 60 | 23 |
| 290200006000514 | Mandril Máquina HSS-E CO - 5,14 X 60 | 5,14 | 5   | 86 | 60 | 23 |
| 290200006000515 | Mandril Máquina HSS-E CO - 5,15 X 60 | 5,15 | 5   | 86 | 60 | 23 |

| Ref.            | Descrição                            | D1   | D2  | L1 | L2 | L3 |
|-----------------|--------------------------------------|------|-----|----|----|----|
| 290200006000516 | Mandril Máquina HSS-E CO - 5,16 X 60 | 5,16 | 5   | 86 | 60 | 23 |
| 290200006000517 | Mandril Máquina HSS-E CO - 5,17 X 60 | 5,17 | 5   | 86 | 60 | 23 |
| 290200006000518 | Mandril Máquina HSS-E CO - 5,18 X 60 | 5,18 | 5   | 86 | 60 | 23 |
| 290200006000519 | Mandril Máquina HSS-E CO - 5,19 X 60 | 5,19 | 5   | 86 | 60 | 23 |
| 290200006000520 | Mandril Máquina HSS-E CO - 5,2 X 60  | 5,2  | 5   | 86 | 60 | 23 |
| 290200006000521 | Mandril Máquina HSS-E CO - 5,21 X 60 | 5,21 | 5   | 86 | 60 | 23 |
| 290200006000522 | Mandril Máquina HSS-E CO - 5,22 X 60 | 5,22 | 5   | 86 | 60 | 23 |
| 290200006000523 | Mandril Máquina HSS-E CO - 5,23 X 60 | 5,23 | 5   | 86 | 60 | 23 |
| 290200006000524 | Mandril Máquina HSS-E CO - 5,24 X 60 | 5,24 | 5   | 86 | 60 | 23 |
| 290200006000525 | Mandril Máquina HSS-E CO - 5,25 X 60 | 5,25 | 5   | 86 | 60 | 23 |
| 290200006000526 | Mandril Máquina HSS-E CO - 5,26 X 60 | 5,26 | 5   | 86 | 60 | 23 |
| 290200006000527 | Mandril Máquina HSS-E CO - 5,27 X 60 | 5,27 | 5   | 86 | 60 | 23 |
| 290200006000528 | Mandril Máquina HSS-E CO - 5,28 X 60 | 5,28 | 5   | 86 | 60 | 23 |
| 290200006000529 | Mandril Máquina HSS-E CO - 5,29 X 60 | 5,29 | 5   | 86 | 60 | 23 |
| 290200006000530 | Mandril Máquina HSS-E CO - 5,3 X 60  | 5,3  | 5   | 86 | 60 | 23 |
| 290200006000531 | Mandril Máquina HSS-E CO - 5,31 X 66 | 5,31 | 5,5 | 93 | 66 | 26 |
| 290200006000532 | Mandril Máquina HSS-E CO - 5,32 X 66 | 5,32 | 5,5 | 93 | 66 | 26 |
| 290200006000533 | Mandril Máquina HSS-E CO - 5,33 X 66 | 5,33 | 5,5 | 93 | 66 | 26 |
| 290200006000534 | Mandril Máquina HSS-E CO - 5,34 X 66 | 5,34 | 5,5 | 93 | 66 | 26 |
| 290200006000535 | Mandril Máquina HSS-E CO - 5,35 X 66 | 5,35 | 5,5 | 93 | 66 | 26 |
| 290200006000536 | Mandril Máquina HSS-E CO - 5,36 X 66 | 5,36 | 5,5 | 93 | 66 | 26 |
| 290200006000537 | Mandril Máquina HSS-E CO - 5,37 X 66 | 5,37 | 5,5 | 93 | 66 | 26 |
| 290200006000538 | Mandril Máquina HSS-E CO - 5,38 X 66 | 5,38 | 5,5 | 93 | 66 | 26 |
| 290200006000539 | Mandril Máquina HSS-E CO - 5,39 X 66 | 5,39 | 5,5 | 93 | 66 | 26 |
| 290200006000540 | Mandril Máquina HSS-E CO - 5,4 X 66  | 5,4  | 5,5 | 93 | 66 | 26 |
| 290200006000541 | Mandril Máquina HSS-E CO - 5,41 X 66 | 5,41 | 5,5 | 93 | 66 | 26 |
| 290200006000542 | Mandril Máquina HSS-E CO - 5,42 X 66 | 5,42 | 5,5 | 93 | 66 | 26 |
| 290200006000543 | Mandril Máquina HSS-E CO - 5,43 X 66 | 5,43 | 5,5 | 93 | 66 | 26 |
| 290200006000544 | Mandril Máquina HSS-E CO - 5,44 X 66 | 5,44 | 5,5 | 93 | 66 | 26 |
| 290200006000545 | Mandril Máquina HSS-E CO - 5,45 X 66 | 5,45 | 5,5 | 93 | 66 | 26 |
| 290200006000546 | Mandril Máquina HSS-E CO - 5,46 X 66 | 5,46 | 5,5 | 93 | 66 | 26 |
| 290200006000547 | Mandril Máquina HSS-E CO - 5,47 X 66 | 5,47 | 5,5 | 93 | 66 | 26 |
| 290200006000548 | Mandril Máquina HSS-E CO - 5,48 X 66 | 5,48 | 5,5 | 93 | 66 | 26 |
| 290200006000549 | Mandril Máquina HSS-E CO - 5,49 X 66 | 5,49 | 5,5 | 93 | 66 | 26 |
| 290200006000550 | Mandril Máquina HSS-E CO - 5,5 X 66  | 5,5  | 5,5 | 93 | 66 | 26 |
| 290200006000551 | Mandril Máquina HSS-E CO - 5,51 X 66 | 5,51 | 5,5 | 93 | 66 | 26 |
| 290200006000552 | Mandril Máquina HSS-E CO - 5,52 X 66 | 5,52 | 5,5 | 93 | 66 | 26 |
| 290200006000553 | Mandril Máquina HSS-E CO - 5,53 X 66 | 5,53 | 5,5 | 93 | 66 | 26 |
| 290200006000554 | Mandril Máquina HSS-E CO - 5,54 X 66 | 5,54 | 5,5 | 93 | 66 | 26 |
| 290200006000555 | Mandril Máquina HSS-E CO - 5,55 X 66 | 5,55 | 5,5 | 93 | 66 | 26 |
| 290200006000556 | Mandril Máquina HSS-E CO - 5,56 X 66 | 5,56 | 5,5 | 93 | 66 | 26 |
| 290200006000557 | Mandril Máquina HSS-E CO - 5,57 X 66 | 5,57 | 5,5 | 93 | 66 | 26 |
| 290200006000558 | Mandril Máquina HSS-E CO - 5,58 X 66 | 5,58 | 5,5 | 93 | 66 | 26 |

| Ref.            | Descrição                            | D1   | D2  | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|-----|-----|----|----|
| 290200006000559 | Mandril Máquina HSS-E CO - 5,59 X 66 | 5,59 | 5,5 | 93  | 66 | 26 |
| 290200006000560 | Mandril Máquina HSS-E CO - 5,6 X 66  | 5,6  | 5,5 | 93  | 66 | 26 |
| 290200006000561 | Mandril Máquina HSS-E CO - 5,61 X 66 | 5,61 | 5,5 | 93  | 66 | 26 |
| 290200006000562 | Mandril Máquina HSS-E CO - 5,62 X 66 | 5,62 | 5,5 | 93  | 66 | 26 |
| 290200006000563 | Mandril Máquina HSS-E CO - 5,63 X 66 | 5,63 | 5,5 | 93  | 66 | 26 |
| 290200006000564 | Mandril Máquina HSS-E CO - 5,64 X 66 | 5,64 | 5,5 | 93  | 66 | 26 |
| 290200006000565 | Mandril Máquina HSS-E CO - 5,65 X 66 | 5,65 | 5,5 | 93  | 66 | 26 |
| 290200006000566 | Mandril Máquina HSS-E CO - 5,66 X 66 | 5,66 | 5,5 | 93  | 66 | 26 |
| 290200006000567 | Mandril Máquina HSS-E CO - 5,67 X 66 | 5,67 | 5,5 | 93  | 66 | 26 |
| 290200006000568 | Mandril Máquina HSS-E CO - 5,68 X 66 | 5,68 | 5,5 | 93  | 66 | 26 |
| 290200006000569 | Mandril Máquina HSS-E CO - 5,69 X 66 | 5,69 | 5,5 | 93  | 66 | 26 |
| 290200006000570 | Mandril Máquina HSS-E CO - 5,7 X 66  | 5,7  | 5,5 | 93  | 66 | 26 |
| 290200006000571 | Mandril Máquina HSS-E CO - 5,71 X 66 | 5,71 | 5,5 | 93  | 66 | 26 |
| 290200006000572 | Mandril Máquina HSS-E CO - 5,72 X 66 | 5,72 | 5,5 | 93  | 66 | 26 |
| 290200006000573 | Mandril Máquina HSS-E CO - 5,73 X 66 | 5,73 | 5,5 | 93  | 66 | 26 |
| 290200006000574 | Mandril Máquina HSS-E CO - 5,74 X 66 | 5,74 | 5,5 | 93  | 66 | 26 |
| 290200006000575 | Mandril Máquina HSS-E CO - 5,75 X 66 | 5,75 | 5,5 | 93  | 66 | 26 |
| 290200006000576 | Mandril Máquina HSS-E CO - 5,76 X 66 | 5,76 | 5,5 | 93  | 66 | 26 |
| 290200006000577 | Mandril Máquina HSS-E CO - 5,77 X 66 | 5,77 | 5,5 | 93  | 66 | 26 |
| 290200006000578 | Mandril Máquina HSS-E CO - 5,78 X 66 | 5,78 | 5,5 | 93  | 66 | 26 |
| 290200006000579 | Mandril Máquina HSS-E CO - 5,79 X 66 | 5,79 | 5,5 | 93  | 66 | 26 |
| 290200006000580 | Mandril Máquina HSS-E CO - 5,8 X 66  | 5,8  | 5,5 | 93  | 66 | 26 |
| 290200006000581 | Mandril Máquina HSS-E CO - 5,81 X 73 | 5,81 | 6   | 101 | 73 | 28 |
| 290200006000582 | Mandril Máquina HSS-E CO - 5,82 X 73 | 5,82 | 6   | 101 | 73 | 28 |
| 290200006000583 | Mandril Máquina HSS-E CO - 5,83 X 73 | 5,83 | 6   | 101 | 73 | 28 |
| 290200006000584 | Mandril Máquina HSS-E CO - 5,84 X 73 | 5,84 | 6   | 101 | 73 | 28 |
| 290200006000585 | Mandril Máquina HSS-E CO - 5,85 X 73 | 5,85 | 6   | 101 | 73 | 28 |
| 290200006000586 | Mandril Máquina HSS-E CO - 5,86 X 73 | 5,86 | 6   | 101 | 73 | 28 |
| 290200006000587 | Mandril Máquina HSS-E CO - 5,87 X 73 | 5,87 | 6   | 101 | 73 | 28 |
| 290200006000588 | Mandril Máquina HSS-E CO - 5,88 X 73 | 5,88 | 6   | 101 | 73 | 28 |
| 290200006000589 | Mandril Máquina HSS-E CO - 5,89 X 73 | 5,89 | 6   | 101 | 73 | 28 |
| 290200006000590 | Mandril Máquina HSS-E CO - 5,9 X 73  | 5,9  | 6   | 101 | 73 | 28 |
| 290200006000591 | Mandril Máquina HSS-E CO - 5,91 X 73 | 5,91 | 6   | 101 | 73 | 28 |
| 290200006000592 | Mandril Máquina HSS-E CO - 5,92 X 73 | 5,92 | 6   | 101 | 73 | 28 |
| 290200006000593 | Mandril Máquina HSS-E CO - 5,93 X 73 | 5,93 | 6   | 101 | 73 | 28 |
| 290200006000594 | Mandril Máquina HSS-E CO - 5,94 X 73 | 5,94 | 6   | 101 | 73 | 28 |
| 290200006000595 | Mandril Máquina HSS-E CO - 5,95 X 73 | 5,95 | 6   | 101 | 73 | 28 |
| 290200006000596 | Mandril Máquina HSS-E CO - 5,96 X 73 | 5,96 | 6   | 101 | 73 | 28 |
| 290200006000597 | Mandril Máquina HSS-E CO - 5,97 X 73 | 5,97 | 6   | 101 | 73 | 28 |
| 290200006000598 | Mandril Máquina HSS-E CO - 5,98 X 73 | 5,98 | 6   | 101 | 73 | 28 |
| 290200006000599 | Mandril Máquina HSS-E CO - 5,99 X 73 | 5,99 | 6   | 101 | 73 | 28 |
| 290200006000600 | Mandril Máquina HSS-E CO - 6 X 73    | 6    | 6   | 101 | 73 | 28 |
| 290200006000601 | Mandril Máquina HSS-E CO - 6,01 X 73 | 6,01 | 6   | 101 | 73 | 28 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000602 | Mandril Máquina HSS-E CO - 6,02 X 73 | 6,02 | 6  | 101 | 73 | 28 |
| 290200006000603 | Mandril Máquina HSS-E CO - 6,03 X 73 | 6,03 | 6  | 101 | 73 | 28 |
| 290200006000604 | Mandril Máquina HSS-E CO - 6,04 X 73 | 6,04 | 6  | 101 | 73 | 28 |
| 290200006000605 | Mandril Máquina HSS-E CO - 6,05 X 73 | 6,05 | 6  | 101 | 73 | 28 |
| 290200006000606 | Mandril Máquina HSS-E CO - 6,06 X 73 | 6,06 | 6  | 101 | 73 | 28 |
| 290200006000607 | Mandril Máquina HSS-E CO - 6,07 X 73 | 6,07 | 6  | 101 | 73 | 28 |
| 290200006000608 | Mandril Máquina HSS-E CO - 6,08 X 73 | 6,08 | 6  | 101 | 73 | 28 |
| 290200006000609 | Mandril Máquina HSS-E CO - 6,09 X 73 | 6,09 | 6  | 101 | 73 | 28 |
| 290200006000610 | Mandril Máquina HSS-E CO - 6,1 X 73  | 6,1  | 6  | 101 | 73 | 28 |
| 290200006000611 | Mandril Máquina HSS-E CO - 6,11 X 73 | 6,11 | 6  | 101 | 73 | 28 |
| 290200006000612 | Mandril Máquina HSS-E CO - 6,12 X 73 | 6,12 | 6  | 101 | 73 | 28 |
| 290200006000613 | Mandril Máquina HSS-E CO - 6,13 X 73 | 6,13 | 6  | 101 | 73 | 28 |
| 290200006000614 | Mandril Máquina HSS-E CO - 6,14 X 73 | 6,14 | 6  | 101 | 73 | 28 |
| 290200006000615 | Mandril Máquina HSS-E CO - 6,15 X 73 | 6,15 | 6  | 101 | 73 | 28 |
| 290200006000616 | Mandril Máquina HSS-E CO - 6,16 X 73 | 6,16 | 6  | 101 | 73 | 28 |
| 290200006000617 | Mandril Máquina HSS-E CO - 6,17 X 73 | 6,17 | 6  | 101 | 73 | 28 |
| 290200006000618 | Mandril Máquina HSS-E CO - 6,18 X 73 | 6,18 | 6  | 101 | 73 | 28 |
| 290200006000619 | Mandril Máquina HSS-E CO - 6,19 X 73 | 6,19 | 6  | 101 | 73 | 28 |
| 290200006000620 | Mandril Máquina HSS-E CO - 6,2 X 73  | 6,2  | 6  | 101 | 73 | 28 |
| 290200006000621 | Mandril Máquina HSS-E CO - 6,21 X 73 | 6,21 | 6  | 101 | 73 | 28 |
| 290200006000622 | Mandril Máquina HSS-E CO - 6,22 X 73 | 6,22 | 6  | 101 | 73 | 28 |
| 290200006000623 | Mandril Máquina HSS-E CO - 6,23 X 73 | 6,23 | 6  | 101 | 73 | 28 |
| 290200006000624 | Mandril Máquina HSS-E CO - 6,24 X 73 | 6,24 | 6  | 101 | 73 | 28 |
| 290200006000625 | Mandril Máquina HSS-E CO - 6,25 X 73 | 6,25 | 6  | 101 | 73 | 28 |
| 290200006000626 | Mandril Máquina HSS-E CO - 6,26 X 73 | 6,26 | 6  | 101 | 73 | 28 |
| 290200006000627 | Mandril Máquina HSS-E CO - 6,27 X 73 | 6,27 | 6  | 101 | 73 | 28 |
| 290200006000628 | Mandril Máquina HSS-E CO - 6,28 X 73 | 6,28 | 6  | 101 | 73 | 28 |
| 290200006000629 | Mandril Máquina HSS-E CO - 6,29 X 73 | 6,29 | 6  | 101 | 73 | 28 |
| 290200006000630 | Mandril Máquina HSS-E CO - 6,3 X 73  | 6,3  | 6  | 101 | 73 | 28 |
| 290200006000631 | Mandril Máquina HSS-E CO - 6,31 X 73 | 6,31 | 6  | 101 | 73 | 28 |
| 290200006000632 | Mandril Máquina HSS-E CO - 6,32 X 73 | 6,32 | 6  | 101 | 73 | 28 |
| 290200006000633 | Mandril Máquina HSS-E CO - 6,33 X 73 | 6,33 | 6  | 101 | 73 | 28 |
| 290200006000634 | Mandril Máquina HSS-E CO - 6,34 X 73 | 6,34 | 6  | 101 | 73 | 28 |
| 290200006000635 | Mandril Máquina HSS-E CO - 6,35 X 73 | 6,35 | 6  | 101 | 73 | 28 |
| 290200006000636 | Mandril Máquina HSS-E CO - 6,36 X 73 | 6,36 | 6  | 101 | 73 | 28 |
| 290200006000637 | Mandril Máquina HSS-E CO - 6,37 X 73 | 6,37 | 6  | 101 | 73 | 28 |
| 290200006000638 | Mandril Máquina HSS-E CO - 6,38 X 73 | 6,38 | 6  | 101 | 73 | 28 |
| 290200006000639 | Mandril Máquina HSS-E CO - 6,39 X 73 | 6,39 | 6  | 101 | 73 | 28 |
| 290200006000640 | Mandril Máquina HSS-E CO - 6,4 X 73  | 6,4  | 6  | 101 | 73 | 28 |
| 290200006000641 | Mandril Máquina HSS-E CO - 6,41 X 73 | 6,41 | 6  | 101 | 73 | 28 |
| 290200006000642 | Mandril Máquina HSS-E CO - 6,42 X 73 | 6,42 | 6  | 101 | 73 | 28 |
| 290200006000643 | Mandril Máquina HSS-E CO - 6,43 X 73 | 6,43 | 6  | 101 | 73 | 28 |
| 290200006000644 | Mandril Máquina HSS-E CO - 6,44 X 73 | 6,44 | 6  | 101 | 73 | 28 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000645 | Mandril Máquina HSS-E CO - 6,45 X 73 | 6,45 | 6  | 101 | 73 | 28 |
| 290200006000646 | Mandril Máquina HSS-E CO - 6,46 X 73 | 6,46 | 6  | 101 | 73 | 28 |
| 290200006000647 | Mandril Máquina HSS-E CO - 6,47 X 73 | 6,47 | 6  | 101 | 73 | 28 |
| 290200006000648 | Mandril Máquina HSS-E CO - 6,48 X 73 | 6,48 | 6  | 101 | 73 | 28 |
| 290200006000649 | Mandril Máquina HSS-E CO - 6,49 X 73 | 6,49 | 6  | 101 | 73 | 28 |
| 290200006000650 | Mandril Máquina HSS-E CO - 6,5 X 73  | 6,5  | 6  | 101 | 73 | 28 |
| 290200006000651 | Mandril Máquina HSS-E CO - 6,51 X 73 | 6,51 | 6  | 101 | 73 | 28 |
| 290200006000652 | Mandril Máquina HSS-E CO - 6,52 X 73 | 6,52 | 6  | 101 | 73 | 28 |
| 290200006000653 | Mandril Máquina HSS-E CO - 6,53 X 73 | 6,53 | 6  | 101 | 73 | 28 |
| 290200006000654 | Mandril Máquina HSS-E CO - 6,54 X 73 | 6,54 | 6  | 101 | 73 | 28 |
| 290200006000655 | Mandril Máquina HSS-E CO - 6,55 X 73 | 6,55 | 6  | 101 | 73 | 28 |
| 290200006000656 | Mandril Máquina HSS-E CO - 6,56 X 73 | 6,56 | 6  | 101 | 73 | 28 |
| 290200006000657 | Mandril Máquina HSS-E CO - 6,57 X 73 | 6,57 | 6  | 101 | 73 | 28 |
| 290200006000658 | Mandril Máquina HSS-E CO - 6,58 X 73 | 6,58 | 6  | 101 | 73 | 28 |
| 290200006000659 | Mandril Máquina HSS-E CO - 6,59 X 73 | 6,59 | 6  | 101 | 73 | 28 |
| 290200006000660 | Mandril Máquina HSS-E CO - 6,6 X 73  | 6,6  | 6  | 101 | 73 | 28 |
| 290200006000661 | Mandril Máquina HSS-E CO - 6,61 X 73 | 6,61 | 6  | 101 | 73 | 28 |
| 290200006000662 | Mandril Máquina HSS-E CO - 6,62 X 73 | 6,62 | 6  | 101 | 73 | 28 |
| 290200006000663 | Mandril Máquina HSS-E CO - 6,63 X 73 | 6,63 | 6  | 101 | 73 | 28 |
| 290200006000664 | Mandril Máquina HSS-E CO - 6,64 X 73 | 6,64 | 6  | 101 | 73 | 28 |
| 290200006000665 | Mandril Máquina HSS-E CO - 6,65 X 73 | 6,65 | 6  | 101 | 73 | 28 |
| 290200006000666 | Mandril Máquina HSS-E CO - 6,66 X 73 | 6,66 | 6  | 101 | 73 | 28 |
| 290200006000667 | Mandril Máquina HSS-E CO - 6,67 X 73 | 6,67 | 6  | 101 | 73 | 28 |
| 290200006000668 | Mandril Máquina HSS-E CO - 6,68 X 73 | 6,68 | 6  | 101 | 73 | 28 |
| 290200006000669 | Mandril Máquina HSS-E CO - 6,69 X 73 | 6,69 | 6  | 101 | 73 | 28 |
| 290200006000670 | Mandril Máquina HSS-E CO - 6,7 X 73  | 6,7  | 6  | 101 | 73 | 28 |
| 290200006000671 | Mandril Máquina HSS-E CO - 6,71 X 80 | 6,71 | 7  | 109 | 80 | 31 |
| 290200006000672 | Mandril Máquina HSS-E CO - 6,72 X 80 | 6,72 | 7  | 109 | 80 | 31 |
| 290200006000673 | Mandril Máquina HSS-E CO - 6,73 X 80 | 6,73 | 7  | 109 | 80 | 31 |
| 290200006000674 | Mandril Máquina HSS-E CO - 6,74 X 80 | 6,74 | 7  | 109 | 80 | 31 |
| 290200006000675 | Mandril Máquina HSS-E CO - 6,75 X 80 | 6,75 | 7  | 109 | 80 | 31 |
| 290200006000676 | Mandril Máquina HSS-E CO - 6,76 X 80 | 6,76 | 7  | 109 | 80 | 31 |
| 290200006000677 | Mandril Máquina HSS-E CO - 6,77 X 80 | 6,77 | 7  | 109 | 80 | 31 |
| 290200006000678 | Mandril Máquina HSS-E CO - 6,78 X 80 | 6,78 | 7  | 109 | 80 | 31 |
| 290200006000679 | Mandril Máquina HSS-E CO - 6,79 X 80 | 6,79 | 7  | 109 | 80 | 31 |
| 290200006000680 | Mandril Máquina HSS-E CO - 6,8 X 80  | 6,8  | 7  | 109 | 80 | 31 |
| 290200006000681 | Mandril Máquina HSS-E CO - 6,81 X 80 | 6,81 | 7  | 109 | 80 | 31 |
| 290200006000682 | Mandril Máquina HSS-E CO - 6,82 X 80 | 6,82 | 7  | 109 | 80 | 31 |
| 290200006000683 | Mandril Máquina HSS-E CO - 6,83 X 80 | 6,83 | 7  | 109 | 80 | 31 |
| 290200006000684 | Mandril Máquina HSS-E CO - 6,84 X 80 | 6,84 | 7  | 109 | 80 | 31 |
| 290200006000685 | Mandril Máquina HSS-E CO - 6,85 X 80 | 6,85 | 7  | 109 | 80 | 31 |
| 290200006000686 | Mandril Máquina HSS-E CO - 6,86 X 80 | 6,86 | 7  | 109 | 80 | 31 |
| 290200006000687 | Mandril Máquina HSS-E CO - 6,87 X 80 | 6,87 | 7  | 109 | 80 | 31 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000688 | Mandril Máquina HSS-E CO - 6,88 X 80 | 6,88 | 7  | 109 | 80 | 31 |
| 290200006000689 | Mandril Máquina HSS-E CO - 6,89 X 80 | 6,89 | 7  | 109 | 80 | 31 |
| 290200006000690 | Mandril Máquina HSS-E CO - 6,9 X 80  | 6,9  | 7  | 109 | 80 | 31 |
| 290200006000691 | Mandril Máquina HSS-E CO - 6,91 X 80 | 6,91 | 7  | 109 | 80 | 31 |
| 290200006000692 | Mandril Máquina HSS-E CO - 6,92 X 80 | 6,92 | 7  | 109 | 80 | 31 |
| 290200006000693 | Mandril Máquina HSS-E CO - 6,93 X 80 | 6,93 | 7  | 109 | 80 | 31 |
| 290200006000694 | Mandril Máquina HSS-E CO - 6,94 X 80 | 6,94 | 7  | 109 | 80 | 31 |
| 290200006000695 | Mandril Máquina HSS-E CO - 6,95 X 80 | 6,95 | 7  | 109 | 80 | 31 |
| 290200006000696 | Mandril Máquina HSS-E CO - 6,96 X 80 | 6,96 | 7  | 109 | 80 | 31 |
| 290200006000697 | Mandril Máquina HSS-E CO - 6,97 X 80 | 6,97 | 7  | 109 | 80 | 31 |
| 290200006000698 | Mandril Máquina HSS-E CO - 6,98 X 80 | 6,98 | 7  | 109 | 80 | 31 |
| 290200006000699 | Mandril Máquina HSS-E CO - 6,99 X 80 | 6,99 | 7  | 109 | 80 | 31 |
| 290200006000700 | Mandril Máquina HSS-E CO - 7 X 80    | 7    | 7  | 109 | 80 | 31 |
| 290200006000701 | Mandril Máquina HSS-E CO - 7,01 X 80 | 7,01 | 7  | 109 | 80 | 31 |
| 290200006000702 | Mandril Máquina HSS-E CO - 7,02 X 80 | 7,02 | 7  | 109 | 80 | 31 |
| 290200006000703 | Mandril Máquina HSS-E CO - 7,03 X 80 | 7,03 | 7  | 109 | 80 | 31 |
| 290200006000704 | Mandril Máquina HSS-E CO - 7,04 X 80 | 7,04 | 7  | 109 | 80 | 31 |
| 290200006000705 | Mandril Máquina HSS-E CO - 7,05 X 80 | 7,05 | 7  | 109 | 80 | 31 |
| 290200006000706 | Mandril Máquina HSS-E CO - 7,06 X 80 | 7,06 | 7  | 109 | 80 | 31 |
| 290200006000707 | Mandril Máquina HSS-E CO - 7,07 X 80 | 7,07 | 7  | 109 | 80 | 31 |
| 290200006000708 | Mandril Máquina HSS-E CO - 7,08 X 80 | 7,08 | 7  | 109 | 80 | 31 |
| 290200006000709 | Mandril Máquina HSS-E CO - 7,09 X 80 | 7,09 | 7  | 109 | 80 | 31 |
| 290200006000710 | Mandril Máquina HSS-E CO - 7,1 X 80  | 7,1  | 7  | 109 | 80 | 31 |
| 290200006000711 | Mandril Máquina HSS-E CO - 7,11 X 80 | 7,11 | 7  | 109 | 80 | 31 |
| 290200006000712 | Mandril Máquina HSS-E CO - 7,12 X 80 | 7,12 | 7  | 109 | 80 | 31 |
| 290200006000713 | Mandril Máquina HSS-E CO - 7,13 X 80 | 7,13 | 7  | 109 | 80 | 31 |
| 290200006000714 | Mandril Máquina HSS-E CO - 7,14 X 80 | 7,14 | 7  | 109 | 80 | 31 |
| 290200006000715 | Mandril Máquina HSS-E CO - 7,15 X 80 | 7,15 | 7  | 109 | 80 | 31 |
| 290200006000716 | Mandril Máquina HSS-E CO - 7,16 X 80 | 7,16 | 7  | 109 | 80 | 31 |
| 290200006000717 | Mandril Máquina HSS-E CO - 7,17 X 80 | 7,17 | 7  | 109 | 80 | 31 |
| 290200006000718 | Mandril Máquina HSS-E CO - 7,18 X 80 | 7,18 | 7  | 109 | 80 | 31 |
| 290200006000719 | Mandril Máquina HSS-E CO - 7,19 X 80 | 7,19 | 7  | 109 | 80 | 31 |
| 290200006000720 | Mandril Máquina HSS-E CO - 7,2 X 80  | 7,2  | 7  | 109 | 80 | 31 |
| 290200006000721 | Mandril Máquina HSS-E CO - 7,21 X 80 | 7,21 | 7  | 109 | 80 | 31 |
| 290200006000722 | Mandril Máquina HSS-E CO - 7,22 X 80 | 7,22 | 7  | 109 | 80 | 31 |
| 290200006000723 | Mandril Máquina HSS-E CO - 7,23 X 80 | 7,23 | 7  | 109 | 80 | 31 |
| 290200006000724 | Mandril Máquina HSS-E CO - 7,24 X 80 | 7,24 | 7  | 109 | 80 | 31 |
| 290200006000725 | Mandril Máquina HSS-E CO - 7,25 X 80 | 7,25 | 7  | 109 | 80 | 31 |
| 290200006000726 | Mandril Máquina HSS-E CO - 7,26 X 80 | 7,26 | 7  | 109 | 80 | 31 |
| 290200006000727 | Mandril Máquina HSS-E CO - 7,27 X 80 | 7,27 | 7  | 109 | 80 | 31 |
| 290200006000728 | Mandril Máquina HSS-E CO - 7,28 X 80 | 7,28 | 7  | 109 | 80 | 31 |
| 290200006000729 | Mandril Máquina HSS-E CO - 7,29 X 80 | 7,29 | 7  | 109 | 80 | 31 |
| 290200006000730 | Mandril Máquina HSS-E CO - 7,3 X 80  | 7,3  | 7  | 109 | 80 | 31 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000731 | Mandril Máquina HSS-E CO - 7,31 X 80 | 7,31 | 7  | 109 | 80 | 31 |
| 290200006000732 | Mandril Máquina HSS-E CO - 7,32 X 80 | 7,32 | 7  | 109 | 80 | 31 |
| 290200006000733 | Mandril Máquina HSS-E CO - 7,33 X 80 | 7,33 | 7  | 109 | 80 | 31 |
| 290200006000734 | Mandril Máquina HSS-E CO - 7,34 X 80 | 7,34 | 7  | 109 | 80 | 31 |
| 290200006000735 | Mandril Máquina HSS-E CO - 7,35 X 80 | 7,35 | 7  | 109 | 80 | 31 |
| 290200006000736 | Mandril Máquina HSS-E CO - 7,36 X 80 | 7,36 | 7  | 109 | 80 | 31 |
| 290200006000737 | Mandril Máquina HSS-E CO - 7,37 X 80 | 7,37 | 7  | 109 | 80 | 31 |
| 290200006000738 | Mandril Máquina HSS-E CO - 7,38 X 80 | 7,38 | 7  | 109 | 80 | 31 |
| 290200006000739 | Mandril Máquina HSS-E CO - 7,39 X 80 | 7,39 | 7  | 109 | 80 | 31 |
| 290200006000740 | Mandril Máquina HSS-E CO - 7,4 X 80  | 7,4  | 7  | 109 | 80 | 31 |
| 290200006000741 | Mandril Máquina HSS-E CO - 7,41 X 80 | 7,41 | 7  | 109 | 80 | 31 |
| 290200006000742 | Mandril Máquina HSS-E CO - 7,42 X 80 | 7,42 | 7  | 109 | 80 | 31 |
| 290200006000743 | Mandril Máquina HSS-E CO - 7,43 X 80 | 7,43 | 7  | 109 | 80 | 31 |
| 290200006000744 | Mandril Máquina HSS-E CO - 7,44 X 80 | 7,44 | 7  | 109 | 80 | 31 |
| 290200006000745 | Mandril Máquina HSS-E CO - 7,45 X 80 | 7,45 | 7  | 109 | 80 | 31 |
| 290200006000746 | Mandril Máquina HSS-E CO - 7,46 X 80 | 7,46 | 7  | 109 | 80 | 31 |
| 290200006000747 | Mandril Máquina HSS-E CO - 7,47 X 80 | 7,47 | 7  | 109 | 80 | 31 |
| 290200006000748 | Mandril Máquina HSS-E CO - 7,48 X 80 | 7,48 | 7  | 109 | 80 | 31 |
| 290200006000749 | Mandril Máquina HSS-E CO - 7,49 X 80 | 7,49 | 7  | 109 | 80 | 31 |
| 290200006000750 | Mandril Máquina HSS-E CO - 7,5 X 80  | 7,5  | 7  | 109 | 80 | 31 |
| 290200006000751 | Mandril Máquina HSS-E CO - 7,51 X 80 | 7,51 | 7  | 109 | 80 | 31 |
| 290200006000752 | Mandril Máquina HSS-E CO - 7,52 X 80 | 7,52 | 7  | 109 | 80 | 31 |
| 290200006000753 | Mandril Máquina HSS-E CO - 7,53 X 80 | 7,53 | 7  | 109 | 80 | 31 |
| 290200006000754 | Mandril Máquina HSS-E CO - 7,54 X 80 | 7,54 | 7  | 109 | 80 | 31 |
| 290200006000755 | Mandril Máquina HSS-E CO - 7,55 X 80 | 7,55 | 7  | 109 | 80 | 31 |
| 290200006000756 | Mandril Máquina HSS-E CO - 7,56 X 86 | 7,56 | 8  | 117 | 86 | 33 |
| 290200006000757 | Mandril Máquina HSS-E CO - 7,57 X 86 | 7,57 | 8  | 117 | 86 | 33 |
| 290200006000758 | Mandril Máquina HSS-E CO - 7,58 X 86 | 7,58 | 8  | 117 | 86 | 33 |
| 290200006000759 | Mandril Máquina HSS-E CO - 7,59 X 86 | 7,59 | 8  | 117 | 86 | 33 |
| 290200006000760 | Mandril Máquina HSS-E CO - 7,6 X 86  | 7,6  | 8  | 117 | 86 | 33 |
| 290200006000761 | Mandril Máquina HSS-E CO - 7,61 X 86 | 7,61 | 8  | 117 | 86 | 33 |
| 290200006000762 | Mandril Máquina HSS-E CO - 7,62 X 86 | 7,62 | 8  | 117 | 86 | 33 |
| 290200006000763 | Mandril Máquina HSS-E CO - 7,63 X 86 | 7,63 | 8  | 117 | 86 | 33 |
| 290200006000764 | Mandril Máquina HSS-E CO - 7,64 X 86 | 7,64 | 8  | 117 | 86 | 33 |
| 290200006000765 | Mandril Máquina HSS-E CO - 7,65 X 86 | 7,65 | 8  | 117 | 86 | 33 |
| 290200006000766 | Mandril Máquina HSS-E CO - 7,66 X 86 | 7,66 | 8  | 117 | 86 | 33 |
| 290200006000767 | Mandril Máquina HSS-E CO - 7,67 X 86 | 7,67 | 8  | 117 | 86 | 33 |
| 290200006000768 | Mandril Máquina HSS-E CO - 7,68 X 86 | 7,68 | 8  | 117 | 86 | 33 |
| 290200006000769 | Mandril Máquina HSS-E CO - 7,69 X 86 | 7,69 | 8  | 117 | 86 | 33 |
| 290200006000770 | Mandril Máquina HSS-E CO - 7,7 X 86  | 7,7  | 8  | 117 | 86 | 33 |
| 290200006000771 | Mandril Máquina HSS-E CO - 7,71 X 86 | 7,71 | 8  | 117 | 86 | 33 |
| 290200006000772 | Mandril Máquina HSS-E CO - 7,72 X 86 | 7,72 | 8  | 117 | 86 | 33 |
| 290200006000773 | Mandril Máquina HSS-E CO - 7,73 X 86 | 7,73 | 8  | 117 | 86 | 33 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000774 | Mandril Máquina HSS-E CO - 7,74 X 86 | 7,74 | 8  | 117 | 86 | 33 |
| 290200006000775 | Mandril Máquina HSS-E CO - 7,75 X 86 | 7,75 | 8  | 117 | 86 | 33 |
| 290200006000776 | Mandril Máquina HSS-E CO - 7,76 X 86 | 7,76 | 8  | 117 | 86 | 33 |
| 290200006000777 | Mandril Máquina HSS-E CO - 7,77 X 86 | 7,77 | 8  | 117 | 86 | 33 |
| 290200006000778 | Mandril Máquina HSS-E CO - 7,78 X 86 | 7,78 | 8  | 117 | 86 | 33 |
| 290200006000779 | Mandril Máquina HSS-E CO - 7,79 X 86 | 7,79 | 8  | 117 | 86 | 33 |
| 290200006000780 | Mandril Máquina HSS-E CO - 7,8 X 86  | 7,8  | 8  | 117 | 86 | 33 |
| 290200006000781 | Mandril Máquina HSS-E CO - 7,81 X 86 | 7,81 | 8  | 117 | 86 | 33 |
| 290200006000782 | Mandril Máquina HSS-E CO - 7,82 X 86 | 7,82 | 8  | 117 | 86 | 33 |
| 290200006000783 | Mandril Máquina HSS-E CO - 7,83 X 86 | 7,83 | 8  | 117 | 86 | 33 |
| 290200006000784 | Mandril Máquina HSS-E CO - 7,84 X 86 | 7,84 | 8  | 117 | 86 | 33 |
| 290200006000785 | Mandril Máquina HSS-E CO - 7,85 X 86 | 7,85 | 8  | 117 | 86 | 33 |
| 290200006000786 | Mandril Máquina HSS-E CO - 7,86 X 86 | 7,86 | 8  | 117 | 86 | 33 |
| 290200006000787 | Mandril Máquina HSS-E CO - 7,87 X 86 | 7,87 | 8  | 117 | 86 | 33 |
| 290200006000788 | Mandril Máquina HSS-E CO - 7,88 X 86 | 7,88 | 8  | 117 | 86 | 33 |
| 290200006000789 | Mandril Máquina HSS-E CO - 7,89 X 86 | 7,89 | 8  | 117 | 86 | 33 |
| 290200006000790 | Mandril Máquina HSS-E CO - 7,9 X 86  | 7,9  | 8  | 117 | 86 | 33 |
| 290200006000791 | Mandril Máquina HSS-E CO - 7,91 X 86 | 7,91 | 8  | 117 | 86 | 33 |
| 290200006000792 | Mandril Máquina HSS-E CO - 7,92 X 86 | 7,92 | 8  | 117 | 86 | 33 |
| 290200006000793 | Mandril Máquina HSS-E CO - 7,93 X 86 | 7,93 | 8  | 117 | 86 | 33 |
| 290200006000794 | Mandril Máquina HSS-E CO - 7,94 X 86 | 7,94 | 8  | 117 | 86 | 33 |
| 290200006000795 | Mandril Máquina HSS-E CO - 7,95 X 86 | 7,95 | 8  | 117 | 86 | 33 |
| 290200006000796 | Mandril Máquina HSS-E CO - 7,96 X 86 | 7,96 | 8  | 117 | 86 | 33 |
| 290200006000797 | Mandril Máquina HSS-E CO - 7,97 X 86 | 7,97 | 8  | 117 | 86 | 33 |
| 290200006000798 | Mandril Máquina HSS-E CO - 7,98 X 86 | 7,98 | 8  | 117 | 86 | 33 |
| 290200006000799 | Mandril Máquina HSS-E CO - 7,99 X 86 | 7,99 | 8  | 117 | 86 | 33 |
| 290200006000800 | Mandril Máquina HSS-E CO - 8 X 86    | 8    | 8  | 117 | 86 | 33 |
| 290200006000801 | Mandril Máquina HSS-E CO - 8,01 X 86 | 8,01 | 8  | 117 | 86 | 33 |
| 290200006000802 | Mandril Máquina HSS-E CO - 8,02 X 86 | 8,02 | 8  | 117 | 86 | 33 |
| 290200006000803 | Mandril Máquina HSS-E CO - 8,03 X 86 | 8,03 | 8  | 117 | 86 | 33 |
| 290200006000804 | Mandril Máquina HSS-E CO - 8,04 X 86 | 8,04 | 8  | 117 | 86 | 33 |
| 290200006000805 | Mandril Máquina HSS-E CO - 8,05 X 86 | 8,05 | 8  | 117 | 86 | 33 |
| 290200006000806 | Mandril Máquina HSS-E CO - 8,06 X 86 | 8,06 | 8  | 117 | 86 | 33 |
| 290200006000807 | Mandril Máquina HSS-E CO - 8,07 X 86 | 8,07 | 8  | 117 | 86 | 33 |
| 290200006000808 | Mandril Máquina HSS-E CO - 8,08 X 86 | 8,08 | 8  | 117 | 86 | 33 |
| 290200006000809 | Mandril Máquina HSS-E CO - 8,09 X 86 | 8,09 | 8  | 117 | 86 | 33 |
| 290200006000810 | Mandril Máquina HSS-E CO - 8,1 X 86  | 8,1  | 8  | 117 | 86 | 33 |
| 290200006000811 | Mandril Máquina HSS-E CO - 8,11 X 86 | 8,11 | 8  | 117 | 86 | 33 |
| 290200006000812 | Mandril Máquina HSS-E CO - 8,12 X 86 | 8,12 | 8  | 117 | 86 | 33 |
| 290200006000813 | Mandril Máquina HSS-E CO - 8,13 X 86 | 8,13 | 8  | 117 | 86 | 33 |
| 290200006000814 | Mandril Máquina HSS-E CO - 8,14 X 86 | 8,14 | 8  | 117 | 86 | 33 |
| 290200006000815 | Mandril Máquina HSS-E CO - 8,15 X 86 | 8,15 | 8  | 117 | 86 | 33 |
| 290200006000816 | Mandril Máquina HSS-E CO - 8,16 X 86 | 8,16 | 8  | 117 | 86 | 33 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000817 | Mandril Máquina HSS-E CO - 8,17 X 86 | 8,17 | 8  | 117 | 86 | 33 |
| 290200006000818 | Mandril Máquina HSS-E CO - 8,18 X 86 | 8,18 | 8  | 117 | 86 | 33 |
| 290200006000819 | Mandril Máquina HSS-E CO - 8,19 X 86 | 8,19 | 8  | 117 | 86 | 33 |
| 290200006000820 | Mandril Máquina HSS-E CO - 8,2 X 86  | 8,2  | 8  | 117 | 86 | 33 |
| 290200006000821 | Mandril Máquina HSS-E CO - 8,21 X 86 | 8,21 | 8  | 117 | 86 | 33 |
| 290200006000822 | Mandril Máquina HSS-E CO - 8,22 X 86 | 8,22 | 8  | 117 | 86 | 33 |
| 290200006000823 | Mandril Máquina HSS-E CO - 8,23 X 86 | 8,23 | 8  | 117 | 86 | 33 |
| 290200006000824 | Mandril Máquina HSS-E CO - 8,24 X 86 | 8,24 | 8  | 117 | 86 | 33 |
| 290200006000825 | Mandril Máquina HSS-E CO - 8,25 X 86 | 8,25 | 8  | 117 | 86 | 33 |
| 290200006000826 | Mandril Máquina HSS-E CO - 8,26 X 86 | 8,26 | 8  | 117 | 86 | 33 |
| 290200006000827 | Mandril Máquina HSS-E CO - 8,27 X 86 | 8,27 | 8  | 117 | 86 | 33 |
| 290200006000828 | Mandril Máquina HSS-E CO - 8,28 X 86 | 8,28 | 8  | 117 | 86 | 33 |
| 290200006000829 | Mandril Máquina HSS-E CO - 8,29 X 86 | 8,29 | 8  | 117 | 86 | 33 |
| 290200006000830 | Mandril Máquina HSS-E CO - 8,3 X 86  | 8,3  | 8  | 117 | 86 | 33 |
| 290200006000831 | Mandril Máquina HSS-E CO - 8,31 X 86 | 8,31 | 8  | 117 | 86 | 33 |
| 290200006000832 | Mandril Máquina HSS-E CO - 8,32 X 86 | 8,32 | 8  | 117 | 86 | 33 |
| 290200006000833 | Mandril Máquina HSS-E CO - 8,33 X 86 | 8,33 | 8  | 117 | 86 | 33 |
| 290200006000834 | Mandril Máquina HSS-E CO - 8,34 X 86 | 8,34 | 8  | 117 | 86 | 33 |
| 290200006000835 | Mandril Máquina HSS-E CO - 8,35 X 86 | 8,35 | 8  | 117 | 86 | 33 |
| 290200006000836 | Mandril Máquina HSS-E CO - 8,36 X 86 | 8,36 | 8  | 117 | 86 | 33 |
| 290200006000837 | Mandril Máquina HSS-E CO - 8,37 X 86 | 8,37 | 8  | 117 | 86 | 33 |
| 290200006000838 | Mandril Máquina HSS-E CO - 8,38 X 86 | 8,38 | 8  | 117 | 86 | 33 |
| 290200006000839 | Mandril Máquina HSS-E CO - 8,39 X 86 | 8,39 | 8  | 117 | 86 | 33 |
| 290200006000840 | Mandril Máquina HSS-E CO - 8,4 X 86  | 8,4  | 8  | 117 | 86 | 33 |
| 290200006000841 | Mandril Máquina HSS-E CO - 8,41 X 86 | 8,41 | 8  | 117 | 86 | 33 |
| 290200006000842 | Mandril Máquina HSS-E CO - 8,42 X 86 | 8,42 | 8  | 117 | 86 | 33 |
| 290200006000843 | Mandril Máquina HSS-E CO - 8,43 X 86 | 8,43 | 8  | 117 | 86 | 33 |
| 290200006000844 | Mandril Máquina HSS-E CO - 8,44 X 86 | 8,44 | 8  | 117 | 86 | 33 |
| 290200006000845 | Mandril Máquina HSS-E CO - 8,45 X 86 | 8,45 | 8  | 117 | 86 | 33 |
| 290200006000846 | Mandril Máquina HSS-E CO - 8,46 X 86 | 8,46 | 8  | 117 | 86 | 33 |
| 290200006000847 | Mandril Máquina HSS-E CO - 8,47 X 86 | 8,47 | 8  | 117 | 86 | 33 |
| 290200006000848 | Mandril Máquina HSS-E CO - 8,48 X 86 | 8,48 | 8  | 117 | 86 | 33 |
| 290200006000849 | Mandril Máquina HSS-E CO - 8,49 X 86 | 8,49 | 8  | 117 | 86 | 33 |
| 290200006000850 | Mandril Máquina HSS-E CO - 8,5 X 86  | 8,5  | 8  | 117 | 86 | 33 |
| 290200006000851 | Mandril Máquina HSS-E CO - 8,51 X 86 | 8,51 | 8  | 117 | 86 | 33 |
| 290200006000852 | Mandril Máquina HSS-E CO - 8,52 X 86 | 8,52 | 8  | 117 | 86 | 33 |
| 290200006000853 | Mandril Máquina HSS-E CO - 8,53 X 86 | 8,53 | 8  | 117 | 86 | 33 |
| 290200006000854 | Mandril Máquina HSS-E CO - 8,54 X 86 | 8,54 | 8  | 117 | 86 | 33 |
| 290200006000855 | Mandril Máquina HSS-E CO - 8,55 X 86 | 8,55 | 8  | 117 | 86 | 33 |
| 290200006000856 | Mandril Máquina HSS-E CO - 8,56 X 91 | 8,56 | 9  | 125 | 91 | 36 |
| 290200006000857 | Mandril Máquina HSS-E CO - 8,57 X 91 | 8,57 | 9  | 125 | 91 | 36 |
| 290200006000858 | Mandril Máquina HSS-E CO - 8,58 X 91 | 8,58 | 9  | 125 | 91 | 36 |
| 290200006000859 | Mandril Máquina HSS-E CO - 8,59 X 91 | 8,59 | 9  | 125 | 91 | 36 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000860 | Mandril Máquina HSS-E CO - 8,6 X 91  | 8,6  | 9  | 125 | 91 | 36 |
| 290200006000861 | Mandril Máquina HSS-E CO - 8,61 X 91 | 8,61 | 9  | 125 | 91 | 36 |
| 290200006000862 | Mandril Máquina HSS-E CO - 8,62 X 91 | 8,62 | 9  | 125 | 91 | 36 |
| 290200006000863 | Mandril Máquina HSS-E CO - 8,63 X 91 | 8,63 | 9  | 125 | 91 | 36 |
| 290200006000864 | Mandril Máquina HSS-E CO - 8,64 X 91 | 8,64 | 9  | 125 | 91 | 36 |
| 290200006000865 | Mandril Máquina HSS-E CO - 8,65 X 91 | 8,65 | 9  | 125 | 91 | 36 |
| 290200006000866 | Mandril Máquina HSS-E CO - 8,66 X 91 | 8,66 | 9  | 125 | 91 | 36 |
| 290200006000867 | Mandril Máquina HSS-E CO - 8,67 X 91 | 8,67 | 9  | 125 | 91 | 36 |
| 290200006000868 | Mandril Máquina HSS-E CO - 8,68 X 91 | 8,68 | 9  | 125 | 91 | 36 |
| 290200006000869 | Mandril Máquina HSS-E CO - 8,69 X 91 | 8,69 | 9  | 125 | 91 | 36 |
| 290200006000870 | Mandril Máquina HSS-E CO - 8,7 X 91  | 8,7  | 9  | 125 | 91 | 36 |
| 290200006000871 | Mandril Máquina HSS-E CO - 8,71 X 91 | 8,71 | 9  | 125 | 91 | 36 |
| 290200006000872 | Mandril Máquina HSS-E CO - 8,72 X 91 | 8,72 | 9  | 125 | 91 | 36 |
| 290200006000873 | Mandril Máquina HSS-E CO - 8,73 X 91 | 8,73 | 9  | 125 | 91 | 36 |
| 290200006000874 | Mandril Máquina HSS-E CO - 8,74 X 91 | 8,74 | 9  | 125 | 91 | 36 |
| 290200006000875 | Mandril Máquina HSS-E CO - 8,75 X 91 | 8,75 | 9  | 125 | 91 | 36 |
| 290200006000876 | Mandril Máquina HSS-E CO - 8,76 X 91 | 8,76 | 9  | 125 | 91 | 36 |
| 290200006000877 | Mandril Máquina HSS-E CO - 8,77 X 91 | 8,77 | 9  | 125 | 91 | 36 |
| 290200006000878 | Mandril Máquina HSS-E CO - 8,78 X 91 | 8,78 | 9  | 125 | 91 | 36 |
| 290200006000879 | Mandril Máquina HSS-E CO - 8,79 X 91 | 8,79 | 9  | 125 | 91 | 36 |
| 290200006000880 | Mandril Máquina HSS-E CO - 8,8 X 91  | 8,8  | 9  | 125 | 91 | 36 |
| 290200006000881 | Mandril Máquina HSS-E CO - 8,81 X 91 | 8,81 | 9  | 125 | 91 | 36 |
| 290200006000882 | Mandril Máquina HSS-E CO - 8,82 X 91 | 8,82 | 9  | 125 | 91 | 36 |
| 290200006000883 | Mandril Máquina HSS-E CO - 8,83 X 91 | 8,83 | 9  | 125 | 91 | 36 |
| 290200006000884 | Mandril Máquina HSS-E CO - 8,84 X 91 | 8,84 | 9  | 125 | 91 | 36 |
| 290200006000885 | Mandril Máquina HSS-E CO - 8,85 X 91 | 8,85 | 9  | 125 | 91 | 36 |
| 290200006000886 | Mandril Máquina HSS-E CO - 8,86 X 91 | 8,86 | 9  | 125 | 91 | 36 |
| 290200006000887 | Mandril Máquina HSS-E CO - 8,87 X 91 | 8,87 | 9  | 125 | 91 | 36 |
| 290200006000888 | Mandril Máquina HSS-E CO - 8,88 X 91 | 8,88 | 9  | 125 | 91 | 36 |
| 290200006000889 | Mandril Máquina HSS-E CO - 8,89 X 91 | 8,89 | 9  | 125 | 91 | 36 |
| 290200006000890 | Mandril Máquina HSS-E CO - 8,9 X 91  | 8,9  | 9  | 125 | 91 | 36 |
| 290200006000891 | Mandril Máquina HSS-E CO - 8,91 X 91 | 8,91 | 9  | 125 | 91 | 36 |
| 290200006000892 | Mandril Máquina HSS-E CO - 8,92 X 91 | 8,92 | 9  | 125 | 91 | 36 |
| 290200006000893 | Mandril Máquina HSS-E CO - 8,93 X 91 | 8,93 | 9  | 125 | 91 | 36 |
| 290200006000894 | Mandril Máquina HSS-E CO - 8,94 X 91 | 8,94 | 9  | 125 | 91 | 36 |
| 290200006000895 | Mandril Máquina HSS-E CO - 8,95 X 91 | 8,95 | 9  | 125 | 91 | 36 |
| 290200006000896 | Mandril Máquina HSS-E CO - 8,96 X 91 | 8,96 | 9  | 125 | 91 | 36 |
| 290200006000897 | Mandril Máquina HSS-E CO - 8,97 X 91 | 8,97 | 9  | 125 | 91 | 36 |
| 290200006000898 | Mandril Máquina HSS-E CO - 8,98 X 91 | 8,98 | 9  | 125 | 91 | 36 |
| 290200006000899 | Mandril Máquina HSS-E CO - 8,99 X 91 | 8,99 | 9  | 125 | 91 | 36 |
| 290200006000900 | Mandril Máquina HSS-E CO - 9 X 91    | 9    | 9  | 125 | 91 | 36 |
| 290200006000901 | Mandril Máquina HSS-E CO - 9,01 X 91 | 9,01 | 9  | 125 | 91 | 36 |
| 290200006000902 | Mandril Máquina HSS-E CO - 9,02 X 91 | 9,02 | 9  | 125 | 91 | 36 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000903 | Mandril Máquina HSS-E CO - 9,03 X 91 | 9,03 | 9  | 125 | 91 | 36 |
| 290200006000904 | Mandril Máquina HSS-E CO - 9,04 X 91 | 9,04 | 9  | 125 | 91 | 36 |
| 290200006000905 | Mandril Máquina HSS-E CO - 9,05 X 91 | 9,05 | 9  | 125 | 91 | 36 |
| 290200006000906 | Mandril Máquina HSS-E CO - 9,06 X 91 | 9,06 | 9  | 125 | 91 | 36 |
| 290200006000907 | Mandril Máquina HSS-E CO - 9,07 X 91 | 9,07 | 9  | 125 | 91 | 36 |
| 290200006000908 | Mandril Máquina HSS-E CO - 9,08 X 91 | 9,08 | 9  | 125 | 91 | 36 |
| 290200006000909 | Mandril Máquina HSS-E CO - 9,09 X 91 | 9,09 | 9  | 125 | 91 | 36 |
| 290200006000910 | Mandril Máquina HSS-E CO - 9,1 X 91  | 9,1  | 9  | 125 | 91 | 36 |
| 290200006000911 | Mandril Máquina HSS-E CO - 9,11 X 91 | 9,11 | 9  | 125 | 91 | 36 |
| 290200006000912 | Mandril Máquina HSS-E CO - 9,12 X 91 | 9,12 | 9  | 125 | 91 | 36 |
| 290200006000913 | Mandril Máquina HSS-E CO - 9,13 X 91 | 9,13 | 9  | 125 | 91 | 36 |
| 290200006000914 | Mandril Máquina HSS-E CO - 9,14 X 91 | 9,14 | 9  | 125 | 91 | 36 |
| 290200006000915 | Mandril Máquina HSS-E CO - 9,15 X 91 | 9,15 | 9  | 125 | 91 | 36 |
| 290200006000916 | Mandril Máquina HSS-E CO - 9,16 X 91 | 9,16 | 9  | 125 | 91 | 36 |
| 290200006000917 | Mandril Máquina HSS-E CO - 9,17 X 91 | 9,17 | 9  | 125 | 91 | 36 |
| 290200006000918 | Mandril Máquina HSS-E CO - 9,18 X 91 | 9,18 | 9  | 125 | 91 | 36 |
| 290200006000919 | Mandril Máquina HSS-E CO - 9,19 X 91 | 9,19 | 9  | 125 | 91 | 36 |
| 290200006000920 | Mandril Máquina HSS-E CO - 9,2 X 91  | 9,2  | 9  | 125 | 91 | 36 |
| 290200006000921 | Mandril Máquina HSS-E CO - 9,21 X 91 | 9,21 | 9  | 125 | 91 | 36 |
| 290200006000922 | Mandril Máquina HSS-E CO - 9,22 X 91 | 9,22 | 9  | 125 | 91 | 36 |
| 290200006000923 | Mandril Máquina HSS-E CO - 9,23 X 91 | 9,23 | 9  | 125 | 91 | 36 |
| 290200006000924 | Mandril Máquina HSS-E CO - 9,24 X 91 | 9,24 | 9  | 125 | 91 | 36 |
| 290200006000925 | Mandril Máquina HSS-E CO - 9,25 X 91 | 9,25 | 9  | 125 | 91 | 36 |
| 290200006000926 | Mandril Máquina HSS-E CO - 9,26 X 91 | 9,26 | 9  | 125 | 91 | 36 |
| 290200006000927 | Mandril Máquina HSS-E CO - 9,27 X 91 | 9,27 | 9  | 125 | 91 | 36 |
| 290200006000928 | Mandril Máquina HSS-E CO - 9,28 X 91 | 9,28 | 9  | 125 | 91 | 36 |
| 290200006000929 | Mandril Máquina HSS-E CO - 9,29 X 91 | 9,29 | 9  | 125 | 91 | 36 |
| 290200006000930 | Mandril Máquina HSS-E CO - 9,3 X 91  | 9,3  | 9  | 125 | 91 | 36 |
| 290200006000931 | Mandril Máquina HSS-E CO - 9,31 X 91 | 9,31 | 9  | 125 | 91 | 36 |
| 290200006000932 | Mandril Máquina HSS-E CO - 9,32 X 91 | 9,32 | 9  | 125 | 91 | 36 |
| 290200006000933 | Mandril Máquina HSS-E CO - 9,33 X 91 | 9,33 | 9  | 125 | 91 | 36 |
| 290200006000934 | Mandril Máquina HSS-E CO - 9,34 X 91 | 9,34 | 9  | 125 | 91 | 36 |
| 290200006000935 | Mandril Máquina HSS-E CO - 9,35 X 91 | 9,35 | 9  | 125 | 91 | 36 |
| 290200006000936 | Mandril Máquina HSS-E CO - 9,36 X 91 | 9,36 | 9  | 125 | 91 | 36 |
| 290200006000937 | Mandril Máquina HSS-E CO - 9,37 X 91 | 9,37 | 9  | 125 | 91 | 36 |
| 290200006000938 | Mandril Máquina HSS-E CO - 9,38 X 91 | 9,38 | 9  | 125 | 91 | 36 |
| 290200006000939 | Mandril Máquina HSS-E CO - 9,39 X 91 | 9,39 | 9  | 125 | 91 | 36 |
| 290200006000940 | Mandril Máquina HSS-E CO - 9,4 X 91  | 9,4  | 9  | 125 | 91 | 36 |
| 290200006000941 | Mandril Máquina HSS-E CO - 9,41 X 91 | 9,41 | 9  | 125 | 91 | 36 |
| 290200006000942 | Mandril Máquina HSS-E CO - 9,42 X 91 | 9,42 | 9  | 125 | 91 | 36 |
| 290200006000943 | Mandril Máquina HSS-E CO - 9,43 X 91 | 9,43 | 9  | 125 | 91 | 36 |
| 290200006000944 | Mandril Máquina HSS-E CO - 9,44 X 91 | 9,44 | 9  | 125 | 91 | 36 |
| 290200006000945 | Mandril Máquina HSS-E CO - 9,45 X 91 | 9,45 | 9  | 125 | 91 | 36 |

| Ref.            | Descrição                            | D1   | D2 | L1  | L2 | L3 |
|-----------------|--------------------------------------|------|----|-----|----|----|
| 290200006000946 | Mandril Máquina HSS-E CO - 9,46 X 91 | 9,46 | 9  | 125 | 91 | 36 |
| 290200006000947 | Mandril Máquina HSS-E CO - 9,47 X 91 | 9,47 | 9  | 125 | 91 | 36 |
| 290200006000948 | Mandril Máquina HSS-E CO - 9,48 X 91 | 9,48 | 9  | 125 | 91 | 36 |
| 290200006000949 | Mandril Máquina HSS-E CO - 9,49 X 91 | 9,49 | 9  | 125 | 91 | 36 |
| 290200006000950 | Mandril Máquina HSS-E CO - 9,5 X 91  | 9,5  | 9  | 125 | 91 | 36 |
| 290200006000951 | Mandril Máquina HSS-E CO - 9,51 X 91 | 9,51 | 9  | 125 | 91 | 36 |
| 290200006000952 | Mandril Máquina HSS-E CO - 9,52 X 91 | 9,52 | 9  | 125 | 91 | 36 |
| 290200006000953 | Mandril Máquina HSS-E CO - 9,53 X 91 | 9,53 | 9  | 125 | 91 | 36 |
| 290200006000954 | Mandril Máquina HSS-E CO - 9,54 X 91 | 9,54 | 9  | 125 | 91 | 36 |
| 290200006000955 | Mandril Máquina HSS-E CO - 9,55 X 91 | 9,55 | 9  | 125 | 91 | 36 |
| 290200006000956 | Mandril Máquina HSS-E CO - 9,56 X 99 | 9,56 | 10 | 133 | 99 | 38 |
| 290200006000957 | Mandril Máquina HSS-E CO - 9,57 X 99 | 9,57 | 10 | 133 | 99 | 38 |
| 290200006000958 | Mandril Máquina HSS-E CO - 9,58 X 99 | 9,58 | 10 | 133 | 99 | 38 |
| 290200006000959 | Mandril Máquina HSS-E CO - 9,59 X 99 | 9,59 | 10 | 133 | 99 | 38 |
| 290200006000960 | Mandril Máquina HSS-E CO - 9,6 X 99  | 9,6  | 10 | 133 | 99 | 38 |
| 290200006000961 | Mandril Máquina HSS-E CO - 9,61 X 99 | 9,61 | 10 | 133 | 99 | 38 |
| 290200006000962 | Mandril Máquina HSS-E CO - 9,62 X 99 | 9,62 | 10 | 133 | 99 | 38 |
| 290200006000963 | Mandril Máquina HSS-E CO - 9,63 X 99 | 9,63 | 10 | 133 | 99 | 38 |
| 290200006000964 | Mandril Máquina HSS-E CO - 9,64 X 99 | 9,64 | 10 | 133 | 99 | 38 |
| 290200006000965 | Mandril Máquina HSS-E CO - 9,65 X 99 | 9,65 | 10 | 133 | 99 | 38 |
| 290200006000966 | Mandril Máquina HSS-E CO - 9,66 X 99 | 9,66 | 10 | 133 | 99 | 38 |
| 290200006000967 | Mandril Máquina HSS-E CO - 9,67 X 99 | 9,67 | 10 | 133 | 99 | 38 |
| 290200006000968 | Mandril Máquina HSS-E CO - 9,68 X 99 | 9,68 | 10 | 133 | 99 | 38 |
| 290200006000969 | Mandril Máquina HSS-E CO - 9,69 X 99 | 9,69 | 10 | 133 | 99 | 38 |
| 290200006000970 | Mandril Máquina HSS-E CO - 9,7 X 99  | 9,7  | 10 | 133 | 99 | 38 |
| 290200006000971 | Mandril Máquina HSS-E CO - 9,71 X 99 | 9,71 | 10 | 133 | 99 | 38 |
| 290200006000972 | Mandril Máquina HSS-E CO - 9,72 X 99 | 9,72 | 10 | 133 | 99 | 38 |
| 290200006000973 | Mandril Máquina HSS-E CO - 9,73 X 99 | 9,73 | 10 | 133 | 99 | 38 |
| 290200006000974 | Mandril Máquina HSS-E CO - 9,74 X 99 | 9,74 | 10 | 133 | 99 | 38 |
| 290200006000975 | Mandril Máquina HSS-E CO - 9,75 X 99 | 9,75 | 10 | 133 | 99 | 38 |
| 290200006000976 | Mandril Máquina HSS-E CO - 9,76 X 99 | 9,76 | 10 | 133 | 99 | 38 |
| 290200006000977 | Mandril Máquina HSS-E CO - 9,77 X 99 | 9,77 | 10 | 133 | 99 | 38 |
| 290200006000978 | Mandril Máquina HSS-E CO - 9,78 X 99 | 9,78 | 10 | 133 | 99 | 38 |
| 290200006000979 | Mandril Máquina HSS-E CO - 9,79 X 99 | 9,79 | 10 | 133 | 99 | 38 |
| 290200006000980 | Mandril Máquina HSS-E CO - 9,8 X 99  | 9,8  | 10 | 133 | 99 | 38 |
| 290200006000981 | Mandril Máquina HSS-E CO - 9,81 X 99 | 9,81 | 10 | 133 | 99 | 38 |
| 290200006000982 | Mandril Máquina HSS-E CO - 9,82 X 99 | 9,82 | 10 | 133 | 99 | 38 |
| 290200006000983 | Mandril Máquina HSS-E CO - 9,83 X 99 | 9,83 | 10 | 133 | 99 | 38 |
| 290200006000984 | Mandril Máquina HSS-E CO - 9,84 X 99 | 9,84 | 10 | 133 | 99 | 38 |
| 290200006000985 | Mandril Máquina HSS-E CO - 9,85 X 99 | 9,85 | 10 | 133 | 99 | 38 |
| 290200006000986 | Mandril Máquina HSS-E CO - 9,86 X 99 | 9,86 | 10 | 133 | 99 | 38 |
| 290200006000987 | Mandril Máquina HSS-E CO - 9,87 X 99 | 9,87 | 10 | 133 | 99 | 38 |
| 290200006000988 | Mandril Máquina HSS-E CO - 9,88 X 99 | 9,88 | 10 | 133 | 99 | 38 |

| Ref.            | Descrição                             | D1    | D2 | L1  | L2 | L3 |
|-----------------|---------------------------------------|-------|----|-----|----|----|
| 290200006000989 | Mandril Máquina HSS-E CO - 9,89 X 99  | 9,89  | 10 | 133 | 99 | 38 |
| 290200006000990 | Mandril Máquina HSS-E CO - 9,9 X 99   | 9,9   | 10 | 133 | 99 | 38 |
| 290200006000991 | Mandril Máquina HSS-E CO - 9,91 X 99  | 9,91  | 10 | 133 | 99 | 38 |
| 290200006000992 | Mandril Máquina HSS-E CO - 9,92 X 99  | 9,92  | 10 | 133 | 99 | 38 |
| 290200006000993 | Mandril Máquina HSS-E CO - 9,93 X 99  | 9,93  | 10 | 133 | 99 | 38 |
| 290200006000994 | Mandril Máquina HSS-E CO - 9,94 X 99  | 9,94  | 10 | 133 | 99 | 38 |
| 290200006000995 | Mandril Máquina HSS-E CO - 9,95 X 99  | 9,95  | 10 | 133 | 99 | 38 |
| 290200006000996 | Mandril Máquina HSS-E CO - 9,96 X 99  | 9,96  | 10 | 133 | 99 | 38 |
| 290200006000997 | Mandril Máquina HSS-E CO - 9,97 X 99  | 9,97  | 10 | 133 | 99 | 38 |
| 290200006000998 | Mandril Máquina HSS-E CO - 9,98 X 99  | 9,98  | 10 | 133 | 99 | 38 |
| 290200006000999 | Mandril Máquina HSS-E CO - 9,99 X 99  | 9,99  | 10 | 133 | 99 | 38 |
| 290200006001000 | Mandril Máquina HSS-E CO - 10 X 99    | 10    | 10 | 133 | 99 | 38 |
| 290200006001010 | Mandril Máquina HSS-E CO - 10,01 X 99 | 10,01 | 10 | 133 | 99 | 38 |
| 290200006001020 | Mandril Máquina HSS-E CO - 10,02 X 99 | 10,02 | 10 | 133 | 99 | 38 |
| 290200006001030 | Mandril Máquina HSS-E CO - 10,03 X 99 | 10,03 | 10 | 133 | 99 | 38 |
| 290200006001040 | Mandril Máquina HSS-E CO - 10,04 X 99 | 10,04 | 10 | 133 | 99 | 38 |
| 290200006001050 | Mandril Máquina HSS-E CO - 10,05 X 99 | 10,05 | 10 | 133 | 99 | 38 |
| 290200006001060 | Mandril Máquina HSS-E CO - 10,06 X 99 | 10,06 | 10 | 133 | 99 | 38 |
| 290200006001070 | Mandril Máquina HSS-E CO - 10,07 X 99 | 10,07 | 10 | 133 | 99 | 38 |
| 290200006001080 | Mandril Máquina HSS-E CO - 10,08 X 99 | 10,08 | 10 | 133 | 99 | 38 |
| 290200006001090 | Mandril Máquina HSS-E CO - 10,09 X 99 | 10,09 | 10 | 133 | 99 | 38 |
| 290200006001100 | Mandril Máquina HSS-E CO - 10,1 X 99  | 10,1  | 10 | 133 | 99 | 38 |
| 290200006001110 | Mandril Máquina HSS-E CO - 10,11 X 99 | 10,11 | 10 | 133 | 99 | 38 |
| 290200006001120 | Mandril Máquina HSS-E CO - 10,12 X 99 | 10,12 | 10 | 133 | 99 | 38 |
| 290200006001130 | Mandril Máquina HSS-E CO - 10,13 X 99 | 10,13 | 10 | 133 | 99 | 38 |
| 290200006001140 | Mandril Máquina HSS-E CO - 10,14 X 99 | 10,14 | 10 | 133 | 99 | 38 |
| 290200006001150 | Mandril Máquina HSS-E CO - 10,15 X 99 | 10,15 | 10 | 133 | 99 | 38 |
| 290200006001160 | Mandril Máquina HSS-E CO - 10,16 X 99 | 10,16 | 10 | 133 | 99 | 38 |
| 290200006001170 | Mandril Máquina HSS-E CO - 10,17 X 99 | 10,17 | 10 | 133 | 99 | 38 |
| 290200006001180 | Mandril Máquina HSS-E CO - 10,18 X 99 | 10,18 | 10 | 133 | 99 | 38 |
| 290200006001190 | Mandril Máquina HSS-E CO - 10,19 X 99 | 10,19 | 10 | 133 | 99 | 38 |
| 290200006001200 | Mandril Máquina HSS-E CO - 10,2 X 99  | 10,2  | 10 | 133 | 99 | 38 |
| 290200006001210 | Mandril Máquina HSS-E CO - 10,21 X 99 | 10,21 | 10 | 133 | 99 | 38 |
| 290200006001220 | Mandril Máquina HSS-E CO - 10,22 X 99 | 10,22 | 10 | 133 | 99 | 38 |
| 290200006001230 | Mandril Máquina HSS-E CO - 10,23 X 99 | 10,23 | 10 | 133 | 99 | 38 |
| 290200006001240 | Mandril Máquina HSS-E CO - 10,24 X 99 | 10,24 | 10 | 133 | 99 | 38 |
| 290200006001250 | Mandril Máquina HSS-E CO - 10,25 X 99 | 10,25 | 10 | 133 | 99 | 38 |
| 290200006001260 | Mandril Máquina HSS-E CO - 10,26 X 99 | 10,26 | 10 | 133 | 99 | 38 |
| 290200006001270 | Mandril Máquina HSS-E CO - 10,27 X 99 | 10,27 | 10 | 133 | 99 | 38 |
| 290200006001280 | Mandril Máquina HSS-E CO - 10,28 X 99 | 10,28 | 10 | 133 | 99 | 38 |
| 290200006001290 | Mandril Máquina HSS-E CO - 10,29 X 99 | 10,29 | 10 | 133 | 99 | 38 |
| 290200006001300 | Mandril Máquina HSS-E CO - 10,3 X 99  | 10,3  | 10 | 133 | 99 | 38 |
| 290200006001310 | Mandril Máquina HSS-E CO - 10,31 X 99 | 10,31 | 10 | 133 | 99 | 38 |

| Ref.            | Descrição                             | D1    | D2 | L1  | L2 | L3 |
|-----------------|---------------------------------------|-------|----|-----|----|----|
| 290200006001320 | Mandril Máquina HSS-E CO - 10,32 X 99 | 10,32 | 10 | 133 | 99 | 38 |
| 290200006001330 | Mandril Máquina HSS-E CO - 10,33 X 99 | 10,33 | 10 | 133 | 99 | 38 |
| 290200006001340 | Mandril Máquina HSS-E CO - 10,34 X 99 | 10,34 | 10 | 133 | 99 | 38 |
| 290200006001350 | Mandril Máquina HSS-E CO - 10,35 X 99 | 10,35 | 10 | 133 | 99 | 38 |
| 290200006001360 | Mandril Máquina HSS-E CO - 10,36 X 99 | 10,36 | 10 | 133 | 99 | 38 |
| 290200006001370 | Mandril Máquina HSS-E CO - 10,37 X 99 | 10,37 | 10 | 133 | 99 | 38 |
| 290200006001380 | Mandril Máquina HSS-E CO - 10,38 X 99 | 10,38 | 10 | 133 | 99 | 38 |
| 290200006001390 | Mandril Máquina HSS-E CO - 10,39 X 99 | 10,39 | 10 | 133 | 99 | 38 |
| 290200006001400 | Mandril Máquina HSS-E CO - 10,4 X 99  | 10,4  | 10 | 133 | 99 | 38 |
| 290200006001410 | Mandril Máquina HSS-E CO - 10,41 X 99 | 10,41 | 10 | 133 | 99 | 38 |
| 290200006001420 | Mandril Máquina HSS-E CO - 10,42 X 99 | 10,42 | 10 | 133 | 99 | 38 |
| 290200006001430 | Mandril Máquina HSS-E CO - 10,43 X 99 | 10,43 | 10 | 133 | 99 | 38 |
| 290200006001440 | Mandril Máquina HSS-E CO - 10,44 X 99 | 10,44 | 10 | 133 | 99 | 38 |
| 290200006001450 | Mandril Máquina HSS-E CO - 10,45 X 99 | 10,45 | 10 | 133 | 99 | 38 |
| 290200006001460 | Mandril Máquina HSS-E CO - 10,46 X 99 | 10,46 | 10 | 133 | 99 | 38 |
| 290200006001470 | Mandril Máquina HSS-E CO - 10,47 X 99 | 10,47 | 10 | 133 | 99 | 38 |
| 290200006001480 | Mandril Máquina HSS-E CO - 10,48 X 99 | 10,48 | 10 | 133 | 99 | 38 |
| 290200006001490 | Mandril Máquina HSS-E CO - 10,49 X 99 | 10,49 | 10 | 133 | 99 | 38 |
| 290200006001500 | Mandril Máquina HSS-E CO - 10,5 X 99  | 10,5  | 10 | 133 | 99 | 38 |
| 290200006001510 | Mandril Máquina HSS-E CO - 10,51 X 99 | 10,51 | 10 | 133 | 99 | 38 |
| 290200006001520 | Mandril Máquina HSS-E CO - 10,52 X 99 | 10,52 | 10 | 133 | 99 | 38 |
| 290200006001530 | Mandril Máquina HSS-E CO - 10,53 X 99 | 10,53 | 10 | 133 | 99 | 38 |
| 290200006001540 | Mandril Máquina HSS-E CO - 10,54 X 99 | 10,54 | 10 | 133 | 99 | 38 |
| 290200006001550 | Mandril Máquina HSS-E CO - 10,55 X 99 | 10,55 | 10 | 133 | 99 | 38 |
| 290200006001560 | Mandril Máquina HSS-E CO - 10,56 X 99 | 10,56 | 10 | 133 | 99 | 38 |
| 290200006001570 | Mandril Máquina HSS-E CO - 10,57 X 99 | 10,57 | 10 | 133 | 99 | 38 |
| 290200006001580 | Mandril Máquina HSS-E CO - 10,58 X 99 | 10,58 | 10 | 133 | 99 | 38 |
| 290200006001590 | Mandril Máquina HSS-E CO - 10,59 X 99 | 10,59 | 10 | 133 | 99 | 38 |
| 290200006001600 | Mandril Máquina HSS-E CO - 10,6 X 99  | 10,6  | 10 | 133 | 99 | 38 |
| 290200006001610 | Mandril Máquina HSS-E CO - 10,61 X 99 | 10,61 | 10 | 133 | 99 | 38 |
| 290200006001620 | Mandril Máquina HSS-E CO - 10,62 X 99 | 10,62 | 10 | 133 | 99 | 38 |
| 290200006001630 | Mandril Máquina HSS-E CO - 10,63 X 99 | 10,63 | 10 | 133 | 99 | 38 |
| 290200006001640 | Mandril Máquina HSS-E CO - 10,64 X 99 | 10,64 | 10 | 133 | 99 | 38 |
| 290200006001650 | Mandril Máquina HSS-E CO - 10,65 X 99 | 10,65 | 10 | 133 | 99 | 38 |
| 290200006001660 | Mandril Máquina HSS-E CO - 10,66 X 99 | 10,66 | 10 | 133 | 99 | 38 |
| 290200006001670 | Mandril Máquina HSS-E CO - 10,67 X 99 | 10,67 | 10 | 133 | 99 | 38 |
| 290200006001680 | Mandril Máquina HSS-E CO - 10,68 X 99 | 10,68 | 10 | 133 | 99 | 38 |
| 290200006001690 | Mandril Máquina HSS-E CO - 10,69 X 99 | 10,69 | 10 | 133 | 99 | 38 |
| 290200006001700 | Mandril Máquina HSS-E CO - 10,7 X 99  | 10,7  | 10 | 133 | 99 | 38 |
| 290200006001710 | Mandril Máquina HSS-E CO - 10,71 X 99 | 10,71 | 10 | 133 | 99 | 38 |
| 290200006001720 | Mandril Máquina HSS-E CO - 10,72 X 99 | 10,72 | 10 | 133 | 99 | 38 |
| 290200006001730 | Mandril Máquina HSS-E CO - 10,73 X 99 | 10,73 | 10 | 133 | 99 | 38 |
| 290200006001740 | Mandril Máquina HSS-E CO - 10,74 X 99 | 10,74 | 10 | 133 | 99 | 38 |

| Ref.            | Descrição                             | D1    | D2 | L1  | L2 | L3 |
|-----------------|---------------------------------------|-------|----|-----|----|----|
| 290200006001750 | Mandril Máquina HSS-E CO - 10,75 X 99 | 10,75 | 10 | 133 | 99 | 38 |
| 290200006001760 | Mandril Máquina HSS-E CO - 10,76 X 99 | 10,76 | 10 | 133 | 99 | 38 |
| 290200006001770 | Mandril Máquina HSS-E CO - 10,77 X 99 | 10,77 | 10 | 133 | 99 | 38 |
| 290200006001780 | Mandril Máquina HSS-E CO - 10,78 X 99 | 10,78 | 10 | 133 | 99 | 38 |
| 290200006001790 | Mandril Máquina HSS-E CO - 10,79 X 99 | 10,79 | 10 | 133 | 99 | 38 |
| 290200006001800 | Mandril Máquina HSS-E CO - 10,8 X 99  | 10,8  | 10 | 133 | 99 | 38 |
| 290200006001810 | Mandril Máquina HSS-E CO - 10,81 X 99 | 10,81 | 10 | 133 | 99 | 38 |
| 290200006001820 | Mandril Máquina HSS-E CO - 10,82 X 99 | 10,82 | 10 | 133 | 99 | 38 |
| 290200006001830 | Mandril Máquina HSS-E CO - 10,83 X 99 | 10,83 | 10 | 133 | 99 | 38 |
| 290200006001840 | Mandril Máquina HSS-E CO - 10,84 X 99 | 10,84 | 10 | 133 | 99 | 38 |
| 290200006001850 | Mandril Máquina HSS-E CO - 10,85 X 99 | 10,85 | 10 | 133 | 99 | 38 |
| 290200006001860 | Mandril Máquina HSS-E CO - 10,86 X 99 | 10,86 | 10 | 133 | 99 | 38 |
| 290200006001870 | Mandril Máquina HSS-E CO - 10,87 X 99 | 10,87 | 10 | 133 | 99 | 38 |
| 290200006001880 | Mandril Máquina HSS-E CO - 10,88 X 99 | 10,88 | 10 | 133 | 99 | 38 |
| 290200006001890 | Mandril Máquina HSS-E CO - 10,89 X 99 | 10,89 | 10 | 133 | 99 | 38 |
| 290200006001900 | Mandril Máquina HSS-E CO - 10,9 X 99  | 10,9  | 10 | 133 | 99 | 38 |
| 290200006001910 | Mandril Máquina HSS-E CO - 10,91 X 99 | 10,91 | 10 | 133 | 99 | 38 |
| 290200006001920 | Mandril Máquina HSS-E CO - 10,92 X 99 | 10,92 | 10 | 133 | 99 | 38 |
| 290200006001930 | Mandril Máquina HSS-E CO - 10,93 X 99 | 10,93 | 10 | 133 | 99 | 38 |
| 290200006001940 | Mandril Máquina HSS-E CO - 10,94 X 99 | 10,94 | 10 | 133 | 99 | 38 |
| 290200006001950 | Mandril Máquina HSS-E CO - 10,95 X 99 | 10,95 | 10 | 133 | 99 | 38 |
| 290200006001960 | Mandril Máquina HSS-E CO - 10,96 X 99 | 10,96 | 10 | 133 | 99 | 38 |
| 290200006001970 | Mandril Máquina HSS-E CO - 10,97 X 99 | 10,97 | 10 | 133 | 99 | 38 |
| 290200006001980 | Mandril Máquina HSS-E CO - 10,98 X 99 | 10,98 | 10 | 133 | 99 | 38 |
| 290200006001990 | Mandril Máquina HSS-E CO - 10,99 X 99 | 10,99 | 10 | 133 | 99 | 38 |
| 290200006001100 | Mandril Máquina HSS-E CO - 11 X 99    | 11    | 10 | 133 | 99 | 38 |
| 290200006001101 | Mandril Máquina HSS-E CO - 11,01 X 99 | 11,01 | 10 | 133 | 99 | 38 |
| 290200006001102 | Mandril Máquina HSS-E CO - 11,02 X 99 | 11,02 | 10 | 133 | 99 | 38 |
| 290200006001103 | Mandril Máquina HSS-E CO - 11,03 X 99 | 11,03 | 10 | 133 | 99 | 38 |
| 290200006001104 | Mandril Máquina HSS-E CO - 11,04 X 99 | 11,04 | 10 | 133 | 99 | 38 |
| 290200006001105 | Mandril Máquina HSS-E CO - 11,05 X 99 | 11,05 | 10 | 133 | 99 | 38 |
| 290200006001106 | Mandril Máquina HSS-E CO - 11,06 X 99 | 11,06 | 10 | 133 | 99 | 38 |
| 290200006001107 | Mandril Máquina HSS-E CO - 11,07 X 99 | 11,07 | 10 | 133 | 99 | 38 |
| 290200006001108 | Mandril Máquina HSS-E CO - 11,08 X 99 | 11,08 | 10 | 133 | 99 | 38 |
| 290200006001109 | Mandril Máquina HSS-E CO - 11,09 X 99 | 11,09 | 10 | 133 | 99 | 38 |
| 290200006001110 | Mandril Máquina HSS-E CO - 11,1 X 99  | 11,1  | 10 | 133 | 99 | 38 |
| 290200006001111 | Mandril Máquina HSS-E CO - 11,11 X 99 | 11,11 | 10 | 133 | 99 | 38 |
| 290200006001112 | Mandril Máquina HSS-E CO - 11,12 X 99 | 11,12 | 10 | 133 | 99 | 38 |
| 290200006001113 | Mandril Máquina HSS-E CO - 11,13 X 99 | 11,13 | 10 | 133 | 99 | 38 |
| 290200006001114 | Mandril Máquina HSS-E CO - 11,14 X 99 | 11,14 | 10 | 133 | 99 | 38 |
| 290200006001115 | Mandril Máquina HSS-E CO - 11,15 X 99 | 11,15 | 10 | 133 | 99 | 38 |
| 290200006001116 | Mandril Máquina HSS-E CO - 11,16 X 99 | 11,16 | 10 | 133 | 99 | 38 |
| 290200006001117 | Mandril Máquina HSS-E CO - 11,17 X 99 | 11,17 | 10 | 133 | 99 | 38 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001118 | Mandril Máquina HSS-E CO - 11,18 X 99  | 11,18 | 10 | 133 | 99  | 38 |
| 290200006001119 | Mandril Máquina HSS-E CO - 11,19 X 99  | 11,19 | 10 | 133 | 99  | 38 |
| 290200006001120 | Mandril Máquina HSS-E CO - 11,2 X 99   | 11,2  | 10 | 133 | 99  | 38 |
| 290200006001121 | Mandril Máquina HSS-E CO - 11,21 X 99  | 11,21 | 10 | 133 | 99  | 38 |
| 290200006001122 | Mandril Máquina HSS-E CO - 11,22 X 99  | 11,22 | 10 | 133 | 99  | 38 |
| 290200006001123 | Mandril Máquina HSS-E CO - 11,23 X 99  | 11,23 | 10 | 133 | 99  | 38 |
| 290200006001124 | Mandril Máquina HSS-E CO - 11,24 X 99  | 11,24 | 10 | 133 | 99  | 38 |
| 290200006001125 | Mandril Máquina HSS-E CO - 11,25 X 99  | 11,25 | 10 | 133 | 99  | 38 |
| 290200006001126 | Mandril Máquina HSS-E CO - 11,26 X 99  | 11,26 | 10 | 133 | 99  | 38 |
| 290200006001127 | Mandril Máquina HSS-E CO - 11,27 X 99  | 11,27 | 10 | 133 | 99  | 38 |
| 290200006001128 | Mandril Máquina HSS-E CO - 11,28 X 99  | 11,28 | 10 | 133 | 99  | 38 |
| 290200006001129 | Mandril Máquina HSS-E CO - 11,29 X 99  | 11,29 | 10 | 133 | 99  | 38 |
| 290200006001130 | Mandril Máquina HSS-E CO - 11,3 X 99   | 11,3  | 10 | 133 | 99  | 38 |
| 290200006001131 | Mandril Máquina HSS-E CO - 11,31 X 106 | 11,31 | 12 | 151 | 106 | 44 |
| 290200006001132 | Mandril Máquina HSS-E CO - 11,32 X 106 | 11,32 | 12 | 151 | 106 | 44 |
| 290200006001133 | Mandril Máquina HSS-E CO - 11,33 X 106 | 11,33 | 12 | 151 | 106 | 44 |
| 290200006001134 | Mandril Máquina HSS-E CO - 11,34 X 106 | 11,34 | 12 | 151 | 106 | 44 |
| 290200006001135 | Mandril Máquina HSS-E CO - 11,35 X 106 | 11,35 | 12 | 151 | 106 | 44 |
| 290200006001136 | Mandril Máquina HSS-E CO - 11,36 X 106 | 11,36 | 12 | 151 | 106 | 44 |
| 290200006001137 | Mandril Máquina HSS-E CO - 11,37 X 106 | 11,37 | 12 | 151 | 106 | 44 |
| 290200006001138 | Mandril Máquina HSS-E CO - 11,38 X 106 | 11,38 | 12 | 151 | 106 | 44 |
| 290200006001139 | Mandril Máquina HSS-E CO - 11,39 X 106 | 11,39 | 12 | 151 | 106 | 44 |
| 290200006001140 | Mandril Máquina HSS-E CO - 11,4 X 106  | 11,4  | 12 | 151 | 106 | 44 |
| 290200006001141 | Mandril Máquina HSS-E CO - 11,41 X 106 | 11,41 | 12 | 151 | 106 | 44 |
| 290200006001142 | Mandril Máquina HSS-E CO - 11,42 X 106 | 11,42 | 12 | 151 | 106 | 44 |
| 290200006001143 | Mandril Máquina HSS-E CO - 11,43 X 106 | 11,43 | 12 | 151 | 106 | 44 |
| 290200006001144 | Mandril Máquina HSS-E CO - 11,44 X 106 | 11,44 | 12 | 151 | 106 | 44 |
| 290200006001145 | Mandril Máquina HSS-E CO - 11,45 X 106 | 11,45 | 12 | 151 | 106 | 44 |
| 290200006001146 | Mandril Máquina HSS-E CO - 11,46 X 106 | 11,46 | 12 | 151 | 106 | 44 |
| 290200006001147 | Mandril Máquina HSS-E CO - 11,47 X 106 | 11,47 | 12 | 151 | 106 | 44 |
| 290200006001148 | Mandril Máquina HSS-E CO - 11,48 X 106 | 11,48 | 12 | 151 | 106 | 44 |
| 290200006001149 | Mandril Máquina HSS-E CO - 11,49 X 106 | 11,49 | 12 | 151 | 106 | 44 |
| 290200006001150 | Mandril Máquina HSS-E CO - 11,5 X 106  | 11,5  | 12 | 151 | 106 | 44 |
| 290200006001151 | Mandril Máquina HSS-E CO - 11,51 X 106 | 11,51 | 12 | 151 | 106 | 44 |
| 290200006001152 | Mandril Máquina HSS-E CO - 11,52 X 106 | 11,52 | 12 | 151 | 106 | 44 |
| 290200006001153 | Mandril Máquina HSS-E CO - 11,53 X 106 | 11,53 | 12 | 151 | 106 | 44 |
| 290200006001154 | Mandril Máquina HSS-E CO - 11,54 X 106 | 11,54 | 12 | 151 | 106 | 44 |
| 290200006001155 | Mandril Máquina HSS-E CO - 11,55 X 106 | 11,55 | 12 | 151 | 106 | 44 |
| 290200006001156 | Mandril Máquina HSS-E CO - 11,56 X 106 | 11,56 | 12 | 151 | 106 | 44 |
| 290200006001157 | Mandril Máquina HSS-E CO - 11,57 X 106 | 11,57 | 12 | 151 | 106 | 44 |
| 290200006001158 | Mandril Máquina HSS-E CO - 11,58 X 106 | 11,58 | 12 | 151 | 106 | 44 |
| 290200006001159 | Mandril Máquina HSS-E CO - 11,59 X 106 | 11,59 | 12 | 151 | 106 | 44 |
| 290200006001160 | Mandril Máquina HSS-E CO - 11,6 X 106  | 11,6  | 12 | 151 | 106 | 44 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001161 | Mandril Máquina HSS-E CO - 11,61 X 106 | 11,61 | 12 | 151 | 106 | 44 |
| 290200006001162 | Mandril Máquina HSS-E CO - 11,62 X 106 | 11,62 | 12 | 151 | 106 | 44 |
| 290200006001163 | Mandril Máquina HSS-E CO - 11,63 X 106 | 11,63 | 12 | 151 | 106 | 44 |
| 290200006001164 | Mandril Máquina HSS-E CO - 11,64 X 106 | 11,64 | 12 | 151 | 106 | 44 |
| 290200006001165 | Mandril Máquina HSS-E CO - 11,65 X 106 | 11,65 | 12 | 151 | 106 | 44 |
| 290200006001166 | Mandril Máquina HSS-E CO - 11,66 X 106 | 11,66 | 12 | 151 | 106 | 44 |
| 290200006001167 | Mandril Máquina HSS-E CO - 11,67 X 106 | 11,67 | 12 | 151 | 106 | 44 |
| 290200006001168 | Mandril Máquina HSS-E CO - 11,68 X 106 | 11,68 | 12 | 151 | 106 | 44 |
| 290200006001169 | Mandril Máquina HSS-E CO - 11,69 X 106 | 11,69 | 12 | 151 | 106 | 44 |
| 290200006001170 | Mandril Máquina HSS-E CO - 11,7 X 106  | 11,7  | 12 | 151 | 106 | 44 |
| 290200006001171 | Mandril Máquina HSS-E CO - 11,71 X 106 | 11,71 | 12 | 151 | 106 | 44 |
| 290200006001172 | Mandril Máquina HSS-E CO - 11,72 X 106 | 11,72 | 12 | 151 | 106 | 44 |
| 290200006001173 | Mandril Máquina HSS-E CO - 11,73 X 106 | 11,73 | 12 | 151 | 106 | 44 |
| 290200006001174 | Mandril Máquina HSS-E CO - 11,74 X 106 | 11,74 | 12 | 151 | 106 | 44 |
| 290200006001175 | Mandril Máquina HSS-E CO - 11,75 X 106 | 11,75 | 12 | 151 | 106 | 44 |
| 290200006001176 | Mandril Máquina HSS-E CO - 11,76 X 106 | 11,76 | 12 | 151 | 106 | 44 |
| 290200006001177 | Mandril Máquina HSS-E CO - 11,77 X 106 | 11,77 | 12 | 151 | 106 | 44 |
| 290200006001178 | Mandril Máquina HSS-E CO - 11,78 X 106 | 11,78 | 12 | 151 | 106 | 44 |
| 290200006001179 | Mandril Máquina HSS-E CO - 11,79 X 106 | 11,79 | 12 | 151 | 106 | 44 |
| 290200006001180 | Mandril Máquina HSS-E CO - 11,8 X 106  | 11,8  | 12 | 151 | 106 | 44 |
| 290200006001181 | Mandril Máquina HSS-E CO - 11,81 X 106 | 11,81 | 12 | 151 | 106 | 44 |
| 290200006001182 | Mandril Máquina HSS-E CO - 11,82 X 106 | 11,82 | 12 | 151 | 106 | 44 |
| 290200006001183 | Mandril Máquina HSS-E CO - 11,83 X 106 | 11,83 | 12 | 151 | 106 | 44 |
| 290200006001184 | Mandril Máquina HSS-E CO - 11,84 X 106 | 11,84 | 12 | 151 | 106 | 44 |
| 290200006001185 | Mandril Máquina HSS-E CO - 11,85 X 106 | 11,85 | 12 | 151 | 106 | 44 |
| 290200006001186 | Mandril Máquina HSS-E CO - 11,86 X 106 | 11,86 | 12 | 151 | 106 | 44 |
| 290200006001187 | Mandril Máquina HSS-E CO - 11,87 X 106 | 11,87 | 12 | 151 | 106 | 44 |
| 290200006001188 | Mandril Máquina HSS-E CO - 11,88 X 106 | 11,88 | 12 | 151 | 106 | 44 |
| 290200006001189 | Mandril Máquina HSS-E CO - 11,89 X 106 | 11,89 | 12 | 151 | 106 | 44 |
| 290200006001190 | Mandril Máquina HSS-E CO - 11,9 X 106  | 11,9  | 12 | 151 | 106 | 44 |
| 290200006001191 | Mandril Máquina HSS-E CO - 11,91 X 106 | 11,91 | 12 | 151 | 106 | 44 |
| 290200006001192 | Mandril Máquina HSS-E CO - 11,92 X 106 | 11,92 | 12 | 151 | 106 | 44 |
| 290200006001193 | Mandril Máquina HSS-E CO - 11,93 X 106 | 11,93 | 12 | 151 | 106 | 44 |
| 290200006001194 | Mandril Máquina HSS-E CO - 11,94 X 106 | 11,94 | 12 | 151 | 106 | 44 |
| 290200006001195 | Mandril Máquina HSS-E CO - 11,95 X 106 | 11,95 | 12 | 151 | 106 | 44 |
| 290200006001196 | Mandril Máquina HSS-E CO - 11,96 X 106 | 11,96 | 12 | 151 | 106 | 44 |
| 290200006001197 | Mandril Máquina HSS-E CO - 11,97 X 106 | 11,97 | 12 | 151 | 106 | 44 |
| 290200006001198 | Mandril Máquina HSS-E CO - 11,98 X 106 | 11,98 | 12 | 151 | 106 | 44 |
| 290200006001199 | Mandril Máquina HSS-E CO - 11,99 X 106 | 11,99 | 12 | 151 | 106 | 44 |
| 290200006001200 | Mandril Máquina HSS-E CO - 12 X 106    | 12    | 12 | 151 | 106 | 44 |
| 290200006001201 | Mandril Máquina HSS-E CO - 12,01 X 106 | 12,01 | 12 | 151 | 106 | 44 |
| 290200006001202 | Mandril Máquina HSS-E CO - 12,02 X 106 | 12,02 | 12 | 151 | 106 | 44 |
| 290200006001203 | Mandril Máquina HSS-E CO - 12,03 X 106 | 12,03 | 12 | 151 | 106 | 44 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001204 | Mandril Máquina HSS-E CO - 12,04 X 106 | 12,04 | 12 | 151 | 106 | 44 |
| 290200006001205 | Mandril Máquina HSS-E CO - 12,05 X 106 | 12,05 | 12 | 151 | 106 | 44 |
| 290200006001206 | Mandril Máquina HSS-E CO - 12,06 X 106 | 12,06 | 12 | 151 | 106 | 44 |
| 290200006001207 | Mandril Máquina HSS-E CO - 12,07 X 106 | 12,07 | 12 | 151 | 106 | 44 |
| 290200006001208 | Mandril Máquina HSS-E CO - 12,08 X 106 | 12,08 | 12 | 151 | 106 | 44 |
| 290200006001209 | Mandril Máquina HSS-E CO - 12,09 X 106 | 12,09 | 12 | 151 | 106 | 44 |
| 290200006001210 | Mandril Máquina HSS-E CO - 12,1 X 106  | 12,1  | 12 | 151 | 106 | 44 |
| 290200006001211 | Mandril Máquina HSS-E CO - 12,11 X 106 | 12,11 | 12 | 151 | 106 | 44 |
| 290200006001212 | Mandril Máquina HSS-E CO - 12,12 X 106 | 12,12 | 12 | 151 | 106 | 44 |
| 290200006001213 | Mandril Máquina HSS-E CO - 12,13 X 106 | 12,13 | 12 | 151 | 106 | 44 |
| 290200006001214 | Mandril Máquina HSS-E CO - 12,14 X 106 | 12,14 | 12 | 151 | 106 | 44 |
| 290200006001215 | Mandril Máquina HSS-E CO - 12,15 X 106 | 12,15 | 12 | 151 | 106 | 44 |
| 290200006001216 | Mandril Máquina HSS-E CO - 12,16 X 106 | 12,16 | 12 | 151 | 106 | 44 |
| 290200006001217 | Mandril Máquina HSS-E CO - 12,17 X 106 | 12,17 | 12 | 151 | 106 | 44 |
| 290200006001218 | Mandril Máquina HSS-E CO - 12,18 X 106 | 12,18 | 12 | 151 | 106 | 44 |
| 290200006001219 | Mandril Máquina HSS-E CO - 12,19 X 106 | 12,19 | 12 | 151 | 106 | 44 |
| 290200006001220 | Mandril Máquina HSS-E CO - 12,2 X 106  | 12,2  | 12 | 151 | 106 | 44 |
| 290200006001221 | Mandril Máquina HSS-E CO - 12,21 X 106 | 12,21 | 12 | 151 | 106 | 44 |
| 290200006001222 | Mandril Máquina HSS-E CO - 12,22 X 106 | 12,22 | 12 | 151 | 106 | 44 |
| 290200006001223 | Mandril Máquina HSS-E CO - 12,23 X 106 | 12,23 | 12 | 151 | 106 | 44 |
| 290200006001224 | Mandril Máquina HSS-E CO - 12,24 X 106 | 12,24 | 12 | 151 | 106 | 44 |
| 290200006001225 | Mandril Máquina HSS-E CO - 12,25 X 106 | 12,25 | 12 | 151 | 106 | 44 |
| 290200006001226 | Mandril Máquina HSS-E CO - 12,26 X 106 | 12,26 | 12 | 151 | 106 | 44 |
| 290200006001227 | Mandril Máquina HSS-E CO - 12,27 X 106 | 12,27 | 12 | 151 | 106 | 44 |
| 290200006001228 | Mandril Máquina HSS-E CO - 12,28 X 106 | 12,28 | 12 | 151 | 106 | 44 |
| 290200006001229 | Mandril Máquina HSS-E CO - 12,29 X 106 | 12,29 | 12 | 151 | 106 | 44 |
| 290200006001230 | Mandril Máquina HSS-E CO - 12,3 X 106  | 12,3  | 12 | 151 | 106 | 44 |
| 290200006001231 | Mandril Máquina HSS-E CO - 12,31 X 106 | 12,31 | 12 | 151 | 106 | 44 |
| 290200006001232 | Mandril Máquina HSS-E CO - 12,32 X 106 | 12,32 | 12 | 151 | 106 | 44 |
| 290200006001233 | Mandril Máquina HSS-E CO - 12,33 X 106 | 12,33 | 12 | 151 | 106 | 44 |
| 290200006001234 | Mandril Máquina HSS-E CO - 12,34 X 106 | 12,34 | 12 | 151 | 106 | 44 |
| 290200006001235 | Mandril Máquina HSS-E CO - 12,35 X 106 | 12,35 | 12 | 151 | 106 | 44 |
| 290200006001236 | Mandril Máquina HSS-E CO - 12,36 X 106 | 12,36 | 12 | 151 | 106 | 44 |
| 290200006001237 | Mandril Máquina HSS-E CO - 12,37 X 106 | 12,37 | 12 | 151 | 106 | 44 |
| 290200006001238 | Mandril Máquina HSS-E CO - 12,38 X 106 | 12,38 | 12 | 151 | 106 | 44 |
| 290200006001239 | Mandril Máquina HSS-E CO - 12,39 X 106 | 12,39 | 12 | 151 | 106 | 44 |
| 290200006001240 | Mandril Máquina HSS-E CO - 12,4 X 106  | 12,4  | 12 | 151 | 106 | 44 |
| 290200006001241 | Mandril Máquina HSS-E CO - 12,41 X 106 | 12,41 | 12 | 151 | 106 | 44 |
| 290200006001242 | Mandril Máquina HSS-E CO - 12,42 X 106 | 12,42 | 12 | 151 | 106 | 44 |
| 290200006001243 | Mandril Máquina HSS-E CO - 12,43 X 106 | 12,43 | 12 | 151 | 106 | 44 |
| 290200006001244 | Mandril Máquina HSS-E CO - 12,44 X 106 | 12,44 | 12 | 151 | 106 | 44 |
| 290200006001245 | Mandril Máquina HSS-E CO - 12,45 X 106 | 12,45 | 12 | 151 | 106 | 44 |
| 290200006001246 | Mandril Máquina HSS-E CO - 12,46 X 106 | 12,46 | 12 | 151 | 106 | 44 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001247 | Mandril Máquina HSS-E CO - 12,47 X 106 | 12,47 | 12 | 151 | 106 | 44 |
| 290200006001248 | Mandril Máquina HSS-E CO - 12,48 X 106 | 12,48 | 12 | 151 | 106 | 44 |
| 290200006001249 | Mandril Máquina HSS-E CO - 12,49 X 106 | 12,49 | 12 | 151 | 106 | 44 |
| 290200006001250 | Mandril Máquina HSS-E CO - 12,5 X 106  | 12,5  | 12 | 151 | 106 | 44 |
| 290200006001251 | Mandril Máquina HSS-E CO - 12,51 X 106 | 12,51 | 12 | 151 | 106 | 44 |
| 290200006001252 | Mandril Máquina HSS-E CO - 12,52 X 106 | 12,52 | 12 | 151 | 106 | 44 |
| 290200006001253 | Mandril Máquina HSS-E CO - 12,53 X 106 | 12,53 | 12 | 151 | 106 | 44 |
| 290200006001254 | Mandril Máquina HSS-E CO - 12,54 X 106 | 12,54 | 12 | 151 | 106 | 44 |
| 290200006001255 | Mandril Máquina HSS-E CO - 12,55 X 106 | 12,55 | 12 | 151 | 106 | 44 |
| 290200006001256 | Mandril Máquina HSS-E CO - 12,56 X 106 | 12,56 | 12 | 151 | 106 | 44 |
| 290200006001257 | Mandril Máquina HSS-E CO - 12,57 X 106 | 12,57 | 12 | 151 | 106 | 44 |
| 290200006001258 | Mandril Máquina HSS-E CO - 12,58 X 106 | 12,58 | 12 | 151 | 106 | 44 |
| 290200006001259 | Mandril Máquina HSS-E CO - 12,59 X 106 | 12,59 | 12 | 151 | 106 | 44 |
| 290200006001260 | Mandril Máquina HSS-E CO - 12,6 X 106  | 12,6  | 12 | 151 | 106 | 44 |
| 290200006001261 | Mandril Máquina HSS-E CO - 12,61 X 106 | 12,61 | 12 | 151 | 106 | 44 |
| 290200006001262 | Mandril Máquina HSS-E CO - 12,62 X 106 | 12,62 | 12 | 151 | 106 | 44 |
| 290200006001263 | Mandril Máquina HSS-E CO - 12,63 X 106 | 12,63 | 12 | 151 | 106 | 44 |
| 290200006001264 | Mandril Máquina HSS-E CO - 12,64 X 106 | 12,64 | 12 | 151 | 106 | 44 |
| 290200006001265 | Mandril Máquina HSS-E CO - 12,65 X 106 | 12,65 | 12 | 151 | 106 | 44 |
| 290200006001266 | Mandril Máquina HSS-E CO - 12,66 X 106 | 12,66 | 12 | 151 | 106 | 44 |
| 290200006001267 | Mandril Máquina HSS-E CO - 12,67 X 106 | 12,67 | 12 | 151 | 106 | 44 |
| 290200006001268 | Mandril Máquina HSS-E CO - 12,68 X 106 | 12,68 | 12 | 151 | 106 | 44 |
| 290200006001269 | Mandril Máquina HSS-E CO - 12,69 X 106 | 12,69 | 12 | 151 | 106 | 44 |
| 290200006001270 | Mandril Máquina HSS-E CO - 12,7 X 106  | 12,7  | 12 | 151 | 106 | 44 |
| 290200006001271 | Mandril Máquina HSS-E CO - 12,71 X 106 | 12,71 | 12 | 151 | 106 | 44 |
| 290200006001272 | Mandril Máquina HSS-E CO - 12,72 X 106 | 12,72 | 12 | 151 | 106 | 44 |
| 290200006001273 | Mandril Máquina HSS-E CO - 12,73 X 106 | 12,73 | 12 | 151 | 106 | 44 |
| 290200006001274 | Mandril Máquina HSS-E CO - 12,74 X 106 | 12,74 | 12 | 151 | 106 | 44 |
| 290200006001275 | Mandril Máquina HSS-E CO - 12,75 X 106 | 12,75 | 12 | 151 | 106 | 44 |
| 290200006001276 | Mandril Máquina HSS-E CO - 12,76 X 106 | 12,76 | 12 | 151 | 106 | 44 |
| 290200006001277 | Mandril Máquina HSS-E CO - 12,77 X 106 | 12,77 | 12 | 151 | 106 | 44 |
| 290200006001278 | Mandril Máquina HSS-E CO - 12,78 X 106 | 12,78 | 12 | 151 | 106 | 44 |
| 290200006001279 | Mandril Máquina HSS-E CO - 12,79 X 106 | 12,79 | 12 | 151 | 106 | 44 |
| 290200006001280 | Mandril Máquina HSS-E CO - 12,8 X 106  | 12,8  | 12 | 151 | 106 | 44 |
| 290200006001281 | Mandril Máquina HSS-E CO - 12,81 X 106 | 12,81 | 12 | 151 | 106 | 44 |
| 290200006001282 | Mandril Máquina HSS-E CO - 12,82 X 106 | 12,82 | 12 | 151 | 106 | 44 |
| 290200006001283 | Mandril Máquina HSS-E CO - 12,83 X 106 | 12,83 | 12 | 151 | 106 | 44 |
| 290200006001284 | Mandril Máquina HSS-E CO - 12,84 X 106 | 12,84 | 12 | 151 | 106 | 44 |
| 290200006001285 | Mandril Máquina HSS-E CO - 12,85 X 106 | 12,85 | 12 | 151 | 106 | 44 |
| 290200006001286 | Mandril Máquina HSS-E CO - 12,86 X 106 | 12,86 | 12 | 151 | 106 | 44 |
| 290200006001287 | Mandril Máquina HSS-E CO - 12,87 X 106 | 12,87 | 12 | 151 | 106 | 44 |
| 290200006001288 | Mandril Máquina HSS-E CO - 12,88 X 106 | 12,88 | 12 | 151 | 106 | 44 |
| 290200006001289 | Mandril Máquina HSS-E CO - 12,89 X 106 | 12,89 | 12 | 151 | 106 | 44 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001290 | Mandril Máquina HSS-E CO - 12,9 X 106  | 12,9  | 12 | 151 | 106 | 44 |
| 290200006001291 | Mandril Máquina HSS-E CO - 12,91 X 106 | 12,91 | 12 | 151 | 106 | 44 |
| 290200006001292 | Mandril Máquina HSS-E CO - 12,92 X 106 | 12,92 | 12 | 151 | 106 | 44 |
| 290200006001293 | Mandril Máquina HSS-E CO - 12,93 X 106 | 12,93 | 12 | 151 | 106 | 44 |
| 290200006001294 | Mandril Máquina HSS-E CO - 12,94 X 106 | 12,94 | 12 | 151 | 106 | 44 |
| 290200006001295 | Mandril Máquina HSS-E CO - 12,95 X 106 | 12,95 | 12 | 151 | 106 | 44 |
| 290200006001296 | Mandril Máquina HSS-E CO - 12,96 X 106 | 12,96 | 12 | 151 | 106 | 44 |
| 290200006001297 | Mandril Máquina HSS-E CO - 12,97 X 106 | 12,97 | 12 | 151 | 106 | 44 |
| 290200006001298 | Mandril Máquina HSS-E CO - 12,98 X 106 | 12,98 | 12 | 151 | 106 | 44 |
| 290200006001299 | Mandril Máquina HSS-E CO - 12,99 X 106 | 12,99 | 12 | 151 | 106 | 44 |
| 290200006001300 | Mandril Máquina HSS-E CO - 13 X 106    | 13    | 12 | 151 | 106 | 44 |
| 290200006001301 | Mandril Máquina HSS-E CO - 13,01 X 106 | 13,01 | 12 | 151 | 106 | 44 |
| 290200006001302 | Mandril Máquina HSS-E CO - 13,02 X 106 | 13,02 | 12 | 151 | 106 | 44 |
| 290200006001303 | Mandril Máquina HSS-E CO - 13,03 X 106 | 13,03 | 12 | 151 | 106 | 44 |
| 290200006001304 | Mandril Máquina HSS-E CO - 13,04 X 106 | 13,04 | 12 | 151 | 106 | 44 |
| 290200006001305 | Mandril Máquina HSS-E CO - 13,05 X 106 | 13,05 | 12 | 151 | 106 | 44 |
| 290200006001306 | Mandril Máquina HSS-E CO - 13,06 X 106 | 13,06 | 12 | 151 | 106 | 44 |
| 290200006001307 | Mandril Máquina HSS-E CO - 13,07 X 106 | 13,07 | 12 | 151 | 106 | 44 |
| 290200006001308 | Mandril Máquina HSS-E CO - 13,08 X 106 | 13,08 | 12 | 151 | 106 | 44 |
| 290200006001309 | Mandril Máquina HSS-E CO - 13,09 X 106 | 13,09 | 12 | 151 | 106 | 44 |
| 290200006001310 | Mandril Máquina HSS-E CO - 13,1 X 106  | 13,1  | 12 | 151 | 106 | 44 |
| 290200006001311 | Mandril Máquina HSS-E CO - 13,11 X 106 | 13,11 | 12 | 151 | 106 | 44 |
| 290200006001312 | Mandril Máquina HSS-E CO - 13,12 X 106 | 13,12 | 12 | 151 | 106 | 44 |
| 290200006001313 | Mandril Máquina HSS-E CO - 13,13 X 106 | 13,13 | 12 | 151 | 106 | 44 |
| 290200006001314 | Mandril Máquina HSS-E CO - 13,14 X 106 | 13,14 | 12 | 151 | 106 | 44 |
| 290200006001315 | Mandril Máquina HSS-E CO - 13,15 X 106 | 13,15 | 12 | 151 | 106 | 44 |
| 290200006001316 | Mandril Máquina HSS-E CO - 13,16 X 106 | 13,16 | 12 | 151 | 106 | 44 |
| 290200006001317 | Mandril Máquina HSS-E CO - 13,17 X 106 | 13,17 | 12 | 151 | 106 | 44 |
| 290200006001318 | Mandril Máquina HSS-E CO - 13,18 X 106 | 13,18 | 12 | 151 | 106 | 44 |
| 290200006001319 | Mandril Máquina HSS-E CO - 13,19 X 106 | 13,19 | 12 | 151 | 106 | 44 |
| 290200006001320 | Mandril Máquina HSS-E CO - 13,2 X 106  | 13,2  | 12 | 151 | 106 | 44 |
| 290200006001321 | Mandril Máquina HSS-E CO - 13,21 X 110 | 13,21 | 14 | 160 | 110 | 47 |
| 290200006001322 | Mandril Máquina HSS-E CO - 13,22 X 110 | 13,22 | 14 | 160 | 110 | 47 |
| 290200006001323 | Mandril Máquina HSS-E CO - 13,23 X 110 | 13,23 | 14 | 160 | 110 | 47 |
| 290200006001324 | Mandril Máquina HSS-E CO - 13,24 X 110 | 13,24 | 14 | 160 | 110 | 47 |
| 290200006001325 | Mandril Máquina HSS-E CO - 13,25 X 110 | 13,25 | 14 | 160 | 110 | 47 |
| 290200006001326 | Mandril Máquina HSS-E CO - 13,26 X 110 | 13,26 | 14 | 160 | 110 | 47 |
| 290200006001327 | Mandril Máquina HSS-E CO - 13,27 X 110 | 13,27 | 14 | 160 | 110 | 47 |
| 290200006001328 | Mandril Máquina HSS-E CO - 13,28 X 110 | 13,28 | 14 | 160 | 110 | 47 |
| 290200006001329 | Mandril Máquina HSS-E CO - 13,29 X 110 | 13,29 | 14 | 160 | 110 | 47 |
| 290200006001330 | Mandril Máquina HSS-E CO - 13,3 X 110  | 13,3  | 14 | 160 | 110 | 47 |
| 290200006001331 | Mandril Máquina HSS-E CO - 13,31 X 110 | 13,31 | 14 | 160 | 110 | 47 |
| 290200006001332 | Mandril Máquina HSS-E CO - 13,32 X 110 | 13,32 | 14 | 160 | 110 | 47 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001333 | Mandril Máquina HSS-E CO - 13,33 X 110 | 13,33 | 14 | 160 | 110 | 47 |
| 290200006001334 | Mandril Máquina HSS-E CO - 13,34 X 110 | 13,34 | 14 | 160 | 110 | 47 |
| 290200006001335 | Mandril Máquina HSS-E CO - 13,35 X 110 | 13,35 | 14 | 160 | 110 | 47 |
| 290200006001336 | Mandril Máquina HSS-E CO - 13,36 X 110 | 13,36 | 14 | 160 | 110 | 47 |
| 290200006001337 | Mandril Máquina HSS-E CO - 13,37 X 110 | 13,37 | 14 | 160 | 110 | 47 |
| 290200006001338 | Mandril Máquina HSS-E CO - 13,38 X 110 | 13,38 | 14 | 160 | 110 | 47 |
| 290200006001339 | Mandril Máquina HSS-E CO - 13,39 X 110 | 13,39 | 14 | 160 | 110 | 47 |
| 290200006001340 | Mandril Máquina HSS-E CO - 13,4 X 110  | 13,4  | 14 | 160 | 110 | 47 |
| 290200006001341 | Mandril Máquina HSS-E CO - 13,41 X 110 | 13,41 | 14 | 160 | 110 | 47 |
| 290200006001342 | Mandril Máquina HSS-E CO - 13,42 X 110 | 13,42 | 14 | 160 | 110 | 47 |
| 290200006001343 | Mandril Máquina HSS-E CO - 13,43 X 110 | 13,43 | 14 | 160 | 110 | 47 |
| 290200006001344 | Mandril Máquina HSS-E CO - 13,44 X 110 | 13,44 | 14 | 160 | 110 | 47 |
| 290200006001345 | Mandril Máquina HSS-E CO - 13,45 X 110 | 13,45 | 14 | 160 | 110 | 47 |
| 290200006001346 | Mandril Máquina HSS-E CO - 13,46 X 110 | 13,46 | 14 | 160 | 110 | 47 |
| 290200006001347 | Mandril Máquina HSS-E CO - 13,47 X 110 | 13,47 | 14 | 160 | 110 | 47 |
| 290200006001348 | Mandril Máquina HSS-E CO - 13,48 X 110 | 13,48 | 14 | 160 | 110 | 47 |
| 290200006001349 | Mandril Máquina HSS-E CO - 13,49 X 110 | 13,49 | 14 | 160 | 110 | 47 |
| 290200006001350 | Mandril Máquina HSS-E CO - 13,5 X 110  | 13,5  | 14 | 160 | 110 | 47 |
| 290200006001351 | Mandril Máquina HSS-E CO - 13,51 X 110 | 13,51 | 14 | 160 | 110 | 47 |
| 290200006001352 | Mandril Máquina HSS-E CO - 13,52 X 110 | 13,52 | 14 | 160 | 110 | 47 |
| 290200006001353 | Mandril Máquina HSS-E CO - 13,53 X 110 | 13,53 | 14 | 160 | 110 | 47 |
| 290200006001354 | Mandril Máquina HSS-E CO - 13,54 X 110 | 13,54 | 14 | 160 | 110 | 47 |
| 290200006001355 | Mandril Máquina HSS-E CO - 13,55 X 110 | 13,55 | 14 | 160 | 110 | 47 |
| 290200006001356 | Mandril Máquina HSS-E CO - 13,56 X 110 | 13,56 | 14 | 160 | 110 | 47 |
| 290200006001357 | Mandril Máquina HSS-E CO - 13,57 X 110 | 13,57 | 14 | 160 | 110 | 47 |
| 290200006001358 | Mandril Máquina HSS-E CO - 13,58 X 110 | 13,58 | 14 | 160 | 110 | 47 |
| 290200006001359 | Mandril Máquina HSS-E CO - 13,59 X 110 | 13,59 | 14 | 160 | 110 | 47 |
| 290200006001360 | Mandril Máquina HSS-E CO - 13,6 X 110  | 13,6  | 14 | 160 | 110 | 47 |
| 290200006001361 | Mandril Máquina HSS-E CO - 13,61 X 110 | 13,61 | 14 | 160 | 110 | 47 |
| 290200006001362 | Mandril Máquina HSS-E CO - 13,62 X 110 | 13,62 | 14 | 160 | 110 | 47 |
| 290200006001363 | Mandril Máquina HSS-E CO - 13,63 X 110 | 13,63 | 14 | 160 | 110 | 47 |
| 290200006001364 | Mandril Máquina HSS-E CO - 13,64 X 110 | 13,64 | 14 | 160 | 110 | 47 |
| 290200006001365 | Mandril Máquina HSS-E CO - 13,65 X 110 | 13,65 | 14 | 160 | 110 | 47 |
| 290200006001366 | Mandril Máquina HSS-E CO - 13,66 X 110 | 13,66 | 14 | 160 | 110 | 47 |
| 290200006001367 | Mandril Máquina HSS-E CO - 13,67 X 110 | 13,67 | 14 | 160 | 110 | 47 |
| 290200006001368 | Mandril Máquina HSS-E CO - 13,68 X 110 | 13,68 | 14 | 160 | 110 | 47 |
| 290200006001369 | Mandril Máquina HSS-E CO - 13,69 X 110 | 13,69 | 14 | 160 | 110 | 47 |
| 290200006001370 | Mandril Máquina HSS-E CO - 13,7 X 110  | 13,7  | 14 | 160 | 110 | 47 |
| 290200006001371 | Mandril Máquina HSS-E CO - 13,71 X 110 | 13,71 | 14 | 160 | 110 | 47 |
| 290200006001372 | Mandril Máquina HSS-E CO - 13,72 X 110 | 13,72 | 14 | 160 | 110 | 47 |
| 290200006001373 | Mandril Máquina HSS-E CO - 13,73 X 110 | 13,73 | 14 | 160 | 110 | 47 |
| 290200006001374 | Mandril Máquina HSS-E CO - 13,74 X 110 | 13,74 | 14 | 160 | 110 | 47 |
| 290200006001375 | Mandril Máquina HSS-E CO - 13,75 X 110 | 13,75 | 14 | 160 | 110 | 47 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001376 | Mandril Máquina HSS-E CO - 13,76 X 110 | 13,76 | 14 | 160 | 110 | 47 |
| 290200006001377 | Mandril Máquina HSS-E CO - 13,77 X 110 | 13,77 | 14 | 160 | 110 | 47 |
| 290200006001378 | Mandril Máquina HSS-E CO - 13,78 X 110 | 13,78 | 14 | 160 | 110 | 47 |
| 290200006001379 | Mandril Máquina HSS-E CO - 13,79 X 110 | 13,79 | 14 | 160 | 110 | 47 |
| 290200006001380 | Mandril Máquina HSS-E CO - 13,8 X 110  | 13,8  | 14 | 160 | 110 | 47 |
| 290200006001381 | Mandril Máquina HSS-E CO - 13,81 X 110 | 13,81 | 14 | 160 | 110 | 47 |
| 290200006001382 | Mandril Máquina HSS-E CO - 13,82 X 110 | 13,82 | 14 | 160 | 110 | 47 |
| 290200006001383 | Mandril Máquina HSS-E CO - 13,83 X 110 | 13,83 | 14 | 160 | 110 | 47 |
| 290200006001384 | Mandril Máquina HSS-E CO - 13,84 X 110 | 13,84 | 14 | 160 | 110 | 47 |
| 290200006001385 | Mandril Máquina HSS-E CO - 13,85 X 110 | 13,85 | 14 | 160 | 110 | 47 |
| 290200006001386 | Mandril Máquina HSS-E CO - 13,86 X 110 | 13,86 | 14 | 160 | 110 | 47 |
| 290200006001387 | Mandril Máquina HSS-E CO - 13,87 X 110 | 13,87 | 14 | 160 | 110 | 47 |
| 290200006001388 | Mandril Máquina HSS-E CO - 13,88 X 110 | 13,88 | 14 | 160 | 110 | 47 |
| 290200006001389 | Mandril Máquina HSS-E CO - 13,89 X 110 | 13,89 | 14 | 160 | 110 | 47 |
| 290200006001390 | Mandril Máquina HSS-E CO - 13,9 X 110  | 13,9  | 14 | 160 | 110 | 47 |
| 290200006001391 | Mandril Máquina HSS-E CO - 13,91 X 110 | 13,91 | 14 | 160 | 110 | 47 |
| 290200006001392 | Mandril Máquina HSS-E CO - 13,92 X 110 | 13,92 | 14 | 160 | 110 | 47 |
| 290200006001393 | Mandril Máquina HSS-E CO - 13,93 X 110 | 13,93 | 14 | 160 | 110 | 47 |
| 290200006001394 | Mandril Máquina HSS-E CO - 13,94 X 110 | 13,94 | 14 | 160 | 110 | 47 |
| 290200006001395 | Mandril Máquina HSS-E CO - 13,95 X 110 | 13,95 | 14 | 160 | 110 | 47 |
| 290200006001396 | Mandril Máquina HSS-E CO - 13,96 X 110 | 13,96 | 14 | 160 | 110 | 47 |
| 290200006001397 | Mandril Máquina HSS-E CO - 13,97 X 110 | 13,97 | 14 | 160 | 110 | 47 |
| 290200006001398 | Mandril Máquina HSS-E CO - 13,98 X 110 | 13,98 | 14 | 160 | 110 | 47 |
| 290200006001399 | Mandril Máquina HSS-E CO - 13,99 X 110 | 13,99 | 14 | 160 | 110 | 47 |
| 290200006001400 | Mandril Máquina HSS-E CO - 14 X 110    | 14    | 14 | 160 | 110 | 47 |
| 290200006001401 | Mandril Máquina HSS-E CO - 14,01 X 110 | 14,01 | 14 | 160 | 110 | 47 |
| 290200006001402 | Mandril Máquina HSS-E CO - 14,02 X 110 | 14,02 | 14 | 160 | 110 | 47 |
| 290200006001403 | Mandril Máquina HSS-E CO - 14,03 X 110 | 14,03 | 14 | 160 | 110 | 47 |
| 290200006001404 | Mandril Máquina HSS-E CO - 14,04 X 110 | 14,04 | 14 | 160 | 110 | 47 |
| 290200006001405 | Mandril Máquina HSS-E CO - 14,05 X 110 | 14,05 | 14 | 160 | 110 | 47 |
| 290200006001406 | Mandril Máquina HSS-E CO - 14,06 X 112 | 14,06 | 14 | 162 | 112 | 50 |
| 290200006001407 | Mandril Máquina HSS-E CO - 14,07 X 112 | 14,07 | 14 | 162 | 112 | 50 |
| 290200006001408 | Mandril Máquina HSS-E CO - 14,08 X 112 | 14,08 | 14 | 162 | 112 | 50 |
| 290200006001409 | Mandril Máquina HSS-E CO - 14,09 X 112 | 14,09 | 14 | 162 | 112 | 50 |
| 290200006001410 | Mandril Máquina HSS-E CO - 14,1 X 112  | 14,1  | 14 | 162 | 112 | 50 |
| 290200006001411 | Mandril Máquina HSS-E CO - 14,11 X 112 | 14,11 | 14 | 162 | 112 | 50 |
| 290200006001412 | Mandril Máquina HSS-E CO - 14,12 X 112 | 14,12 | 14 | 162 | 112 | 50 |
| 290200006001413 | Mandril Máquina HSS-E CO - 14,13 X 112 | 14,13 | 14 | 162 | 112 | 50 |
| 290200006001414 | Mandril Máquina HSS-E CO - 14,14 X 112 | 14,14 | 14 | 162 | 112 | 50 |
| 290200006001415 | Mandril Máquina HSS-E CO - 14,15 X 112 | 14,15 | 14 | 162 | 112 | 50 |
| 290200006001416 | Mandril Máquina HSS-E CO - 14,16 X 112 | 14,16 | 14 | 162 | 112 | 50 |
| 290200006001417 | Mandril Máquina HSS-E CO - 14,17 X 112 | 14,17 | 14 | 162 | 112 | 50 |
| 290200006001418 | Mandril Máquina HSS-E CO - 14,18 X 112 | 14,18 | 14 | 162 | 112 | 50 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001419 | Mandril Máquina HSS-E CO - 14,19 X 112 | 14,19 | 14 | 162 | 112 | 50 |
| 290200006001420 | Mandril Máquina HSS-E CO - 14,2 X 112  | 14,2  | 14 | 162 | 112 | 50 |
| 290200006001421 | Mandril Máquina HSS-E CO - 14,21 X 112 | 14,21 | 14 | 162 | 112 | 50 |
| 290200006001422 | Mandril Máquina HSS-E CO - 14,22 X 112 | 14,22 | 14 | 162 | 112 | 50 |
| 290200006001423 | Mandril Máquina HSS-E CO - 14,23 X 112 | 14,23 | 14 | 162 | 112 | 50 |
| 290200006001424 | Mandril Máquina HSS-E CO - 14,24 X 112 | 14,24 | 14 | 162 | 112 | 50 |
| 290200006001425 | Mandril Máquina HSS-E CO - 14,25 X 112 | 14,25 | 14 | 162 | 112 | 50 |
| 290200006001426 | Mandril Máquina HSS-E CO - 14,26 X 112 | 14,26 | 14 | 162 | 112 | 50 |
| 290200006001427 | Mandril Máquina HSS-E CO - 14,27 X 112 | 14,27 | 14 | 162 | 112 | 50 |
| 290200006001428 | Mandril Máquina HSS-E CO - 14,28 X 112 | 14,28 | 14 | 162 | 112 | 50 |
| 290200006001429 | Mandril Máquina HSS-E CO - 14,29 X 112 | 14,29 | 14 | 162 | 112 | 50 |
| 290200006001430 | Mandril Máquina HSS-E CO - 14,3 X 112  | 14,3  | 14 | 162 | 112 | 50 |
| 290200006001431 | Mandril Máquina HSS-E CO - 14,31 X 112 | 14,31 | 14 | 162 | 112 | 50 |
| 290200006001432 | Mandril Máquina HSS-E CO - 14,32 X 112 | 14,32 | 14 | 162 | 112 | 50 |
| 290200006001433 | Mandril Máquina HSS-E CO - 14,33 X 112 | 14,33 | 14 | 162 | 112 | 50 |
| 290200006001434 | Mandril Máquina HSS-E CO - 14,34 X 112 | 14,34 | 14 | 162 | 112 | 50 |
| 290200006001435 | Mandril Máquina HSS-E CO - 14,35 X 112 | 14,35 | 14 | 162 | 112 | 50 |
| 290200006001436 | Mandril Máquina HSS-E CO - 14,36 X 112 | 14,36 | 14 | 162 | 112 | 50 |
| 290200006001437 | Mandril Máquina HSS-E CO - 14,37 X 112 | 14,37 | 14 | 162 | 112 | 50 |
| 290200006001438 | Mandril Máquina HSS-E CO - 14,38 X 112 | 14,38 | 14 | 162 | 112 | 50 |
| 290200006001439 | Mandril Máquina HSS-E CO - 14,39 X 112 | 14,39 | 14 | 162 | 112 | 50 |
| 290200006001440 | Mandril Máquina HSS-E CO - 14,4 X 112  | 14,4  | 14 | 162 | 112 | 50 |
| 290200006001441 | Mandril Máquina HSS-E CO - 14,41 X 112 | 14,41 | 14 | 162 | 112 | 50 |
| 290200006001442 | Mandril Máquina HSS-E CO - 14,42 X 112 | 14,42 | 14 | 162 | 112 | 50 |
| 290200006001443 | Mandril Máquina HSS-E CO - 14,43 X 112 | 14,43 | 14 | 162 | 112 | 50 |
| 290200006001444 | Mandril Máquina HSS-E CO - 14,44 X 112 | 14,44 | 14 | 162 | 112 | 50 |
| 290200006001445 | Mandril Máquina HSS-E CO - 14,45 X 112 | 14,45 | 14 | 162 | 112 | 50 |
| 290200006001446 | Mandril Máquina HSS-E CO - 14,46 X 112 | 14,46 | 14 | 162 | 112 | 50 |
| 290200006001447 | Mandril Máquina HSS-E CO - 14,47 X 112 | 14,47 | 14 | 162 | 112 | 50 |
| 290200006001448 | Mandril Máquina HSS-E CO - 14,48 X 112 | 14,48 | 14 | 162 | 112 | 50 |
| 290200006001449 | Mandril Máquina HSS-E CO - 14,49 X 112 | 14,49 | 14 | 162 | 112 | 50 |
| 290200006001450 | Mandril Máquina HSS-E CO - 14,5 X 112  | 14,5  | 14 | 162 | 112 | 50 |
| 290200006001451 | Mandril Máquina HSS-E CO - 14,51 X 112 | 14,51 | 14 | 162 | 112 | 50 |
| 290200006001452 | Mandril Máquina HSS-E CO - 14,52 X 112 | 14,52 | 14 | 162 | 112 | 50 |
| 290200006001453 | Mandril Máquina HSS-E CO - 14,53 X 112 | 14,53 | 14 | 162 | 112 | 50 |
| 290200006001454 | Mandril Máquina HSS-E CO - 14,54 X 112 | 14,54 | 14 | 162 | 112 | 50 |
| 290200006001455 | Mandril Máquina HSS-E CO - 14,55 X 112 | 14,55 | 14 | 162 | 112 | 50 |
| 290200006001456 | Mandril Máquina HSS-E CO - 14,56 X 112 | 14,56 | 14 | 162 | 112 | 50 |
| 290200006001457 | Mandril Máquina HSS-E CO - 14,57 X 112 | 14,57 | 14 | 162 | 112 | 50 |
| 290200006001458 | Mandril Máquina HSS-E CO - 14,58 X 112 | 14,58 | 14 | 162 | 112 | 50 |
| 290200006001459 | Mandril Máquina HSS-E CO - 14,59 X 112 | 14,59 | 14 | 162 | 112 | 50 |
| 290200006001460 | Mandril Máquina HSS-E CO - 14,6 X 112  | 14,6  | 14 | 162 | 112 | 50 |
| 290200006001461 | Mandril Máquina HSS-E CO - 14,61 X 112 | 14,61 | 14 | 162 | 112 | 50 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001462 | Mandril Máquina HSS-E CO - 14,62 X 112 | 14,62 | 14 | 162 | 112 | 50 |
| 290200006001463 | Mandril Máquina HSS-E CO - 14,63 X 112 | 14,63 | 14 | 162 | 112 | 50 |
| 290200006001464 | Mandril Máquina HSS-E CO - 14,64 X 112 | 14,64 | 14 | 162 | 112 | 50 |
| 290200006001465 | Mandril Máquina HSS-E CO - 14,65 X 112 | 14,65 | 14 | 162 | 112 | 50 |
| 290200006001466 | Mandril Máquina HSS-E CO - 14,66 X 112 | 14,66 | 14 | 162 | 112 | 50 |
| 290200006001467 | Mandril Máquina HSS-E CO - 14,67 X 112 | 14,67 | 14 | 162 | 112 | 50 |
| 290200006001468 | Mandril Máquina HSS-E CO - 14,68 X 112 | 14,68 | 14 | 162 | 112 | 50 |
| 290200006001469 | Mandril Máquina HSS-E CO - 14,69 X 112 | 14,69 | 14 | 162 | 112 | 50 |
| 290200006001470 | Mandril Máquina HSS-E CO - 14,7 X 112  | 14,7  | 14 | 162 | 112 | 50 |
| 290200006001471 | Mandril Máquina HSS-E CO - 14,71 X 112 | 14,71 | 14 | 162 | 112 | 50 |
| 290200006001472 | Mandril Máquina HSS-E CO - 14,72 X 112 | 14,72 | 14 | 162 | 112 | 50 |
| 290200006001473 | Mandril Máquina HSS-E CO - 14,73 X 112 | 14,73 | 14 | 162 | 112 | 50 |
| 290200006001474 | Mandril Máquina HSS-E CO - 14,74 X 112 | 14,74 | 14 | 162 | 112 | 50 |
| 290200006001475 | Mandril Máquina HSS-E CO - 14,75 X 112 | 14,75 | 14 | 162 | 112 | 50 |
| 290200006001476 | Mandril Máquina HSS-E CO - 14,76 X 112 | 14,76 | 14 | 162 | 112 | 50 |
| 290200006001477 | Mandril Máquina HSS-E CO - 14,77 X 112 | 14,77 | 14 | 162 | 112 | 50 |
| 290200006001478 | Mandril Máquina HSS-E CO - 14,78 X 112 | 14,78 | 14 | 162 | 112 | 50 |
| 290200006001479 | Mandril Máquina HSS-E CO - 14,79 X 112 | 14,79 | 14 | 162 | 112 | 50 |
| 290200006001480 | Mandril Máquina HSS-E CO - 14,8 X 112  | 14,8  | 14 | 162 | 112 | 50 |
| 290200006001481 | Mandril Máquina HSS-E CO - 14,81 X 112 | 14,81 | 14 | 162 | 112 | 50 |
| 290200006001482 | Mandril Máquina HSS-E CO - 14,82 X 112 | 14,82 | 14 | 162 | 112 | 50 |
| 290200006001483 | Mandril Máquina HSS-E CO - 14,83 X 112 | 14,83 | 14 | 162 | 112 | 50 |
| 290200006001484 | Mandril Máquina HSS-E CO - 14,84 X 112 | 14,84 | 14 | 162 | 112 | 50 |
| 290200006001485 | Mandril Máquina HSS-E CO - 14,85 X 112 | 14,85 | 14 | 162 | 112 | 50 |
| 290200006001486 | Mandril Máquina HSS-E CO - 14,86 X 112 | 14,86 | 14 | 162 | 112 | 50 |
| 290200006001487 | Mandril Máquina HSS-E CO - 14,87 X 112 | 14,87 | 14 | 162 | 112 | 50 |
| 290200006001488 | Mandril Máquina HSS-E CO - 14,88 X 112 | 14,88 | 14 | 162 | 112 | 50 |
| 290200006001489 | Mandril Máquina HSS-E CO - 14,89 X 112 | 14,89 | 14 | 162 | 112 | 50 |
| 290200006001490 | Mandril Máquina HSS-E CO - 14,9 X 112  | 14,9  | 14 | 162 | 112 | 50 |
| 290200006001491 | Mandril Máquina HSS-E CO - 14,91 X 112 | 14,91 | 14 | 162 | 112 | 50 |
| 290200006001492 | Mandril Máquina HSS-E CO - 14,92 X 112 | 14,92 | 14 | 162 | 112 | 50 |
| 290200006001493 | Mandril Máquina HSS-E CO - 14,93 X 112 | 14,93 | 14 | 162 | 112 | 50 |
| 290200006001494 | Mandril Máquina HSS-E CO - 14,94 X 112 | 14,94 | 14 | 162 | 112 | 50 |
| 290200006001495 | Mandril Máquina HSS-E CO - 14,95 X 112 | 14,95 | 14 | 162 | 112 | 50 |
| 290200006001496 | Mandril Máquina HSS-E CO - 14,96 X 112 | 14,96 | 14 | 162 | 112 | 50 |
| 290200006001497 | Mandril Máquina HSS-E CO - 14,97 X 112 | 14,97 | 14 | 162 | 112 | 50 |
| 290200006001498 | Mandril Máquina HSS-E CO - 14,98 X 112 | 14,98 | 14 | 162 | 112 | 50 |
| 290200006001499 | Mandril Máquina HSS-E CO - 14,99 X 112 | 14,99 | 14 | 162 | 112 | 50 |
| 290200006001500 | Mandril Máquina HSS-E CO - 15 X 112    | 15    | 14 | 162 | 112 | 50 |
| 290200006001501 | Mandril Máquina HSS-E CO - 15,01 X 112 | 15,01 | 14 | 162 | 112 | 50 |
| 290200006001502 | Mandril Máquina HSS-E CO - 15,02 X 112 | 15,02 | 14 | 162 | 112 | 50 |
| 290200006001503 | Mandril Máquina HSS-E CO - 15,03 X 112 | 15,03 | 14 | 162 | 112 | 50 |
| 290200006001504 | Mandril Máquina HSS-E CO - 15,04 X 112 | 15,04 | 14 | 162 | 112 | 50 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001505 | Mandril Máquina HSS-E CO - 15,05 X 112 | 15,05 | 14 | 162 | 112 | 50 |
| 290200006001506 | Mandril Máquina HSS-E CO - 15,06 X 117 | 15,06 | 16 | 170 | 117 | 52 |
| 290200006001507 | Mandril Máquina HSS-E CO - 15,07 X 117 | 15,07 | 16 | 170 | 117 | 52 |
| 290200006001508 | Mandril Máquina HSS-E CO - 15,08 X 117 | 15,08 | 16 | 170 | 117 | 52 |
| 290200006001509 | Mandril Máquina HSS-E CO - 15,09 X 117 | 15,09 | 16 | 170 | 117 | 52 |
| 290200006001510 | Mandril Máquina HSS-E CO - 15,1 X 117  | 15,1  | 16 | 170 | 117 | 52 |
| 290200006001511 | Mandril Máquina HSS-E CO - 15,11 X 117 | 15,11 | 16 | 170 | 117 | 52 |
| 290200006001512 | Mandril Máquina HSS-E CO - 15,12 X 117 | 15,12 | 16 | 170 | 117 | 52 |
| 290200006001513 | Mandril Máquina HSS-E CO - 15,13 X 117 | 15,13 | 16 | 170 | 117 | 52 |
| 290200006001514 | Mandril Máquina HSS-E CO - 15,14 X 117 | 15,14 | 16 | 170 | 117 | 52 |
| 290200006001515 | Mandril Máquina HSS-E CO - 15,15 X 117 | 15,15 | 16 | 170 | 117 | 52 |
| 290200006001516 | Mandril Máquina HSS-E CO - 15,16 X 117 | 15,16 | 16 | 170 | 117 | 52 |
| 290200006001517 | Mandril Máquina HSS-E CO - 15,17 X 117 | 15,17 | 16 | 170 | 117 | 52 |
| 290200006001518 | Mandril Máquina HSS-E CO - 15,18 X 117 | 15,18 | 16 | 170 | 117 | 52 |
| 290200006001519 | Mandril Máquina HSS-E CO - 15,19 X 117 | 15,19 | 16 | 170 | 117 | 52 |
| 290200006001520 | Mandril Máquina HSS-E CO - 15,2 X 117  | 15,2  | 16 | 170 | 117 | 52 |
| 290200006001521 | Mandril Máquina HSS-E CO - 15,21 X 117 | 15,21 | 16 | 170 | 117 | 52 |
| 290200006001522 | Mandril Máquina HSS-E CO - 15,22 X 117 | 15,22 | 16 | 170 | 117 | 52 |
| 290200006001523 | Mandril Máquina HSS-E CO - 15,23 X 117 | 15,23 | 16 | 170 | 117 | 52 |
| 290200006001524 | Mandril Máquina HSS-E CO - 15,24 X 117 | 15,24 | 16 | 170 | 117 | 52 |
| 290200006001525 | Mandril Máquina HSS-E CO - 15,25 X 117 | 15,25 | 16 | 170 | 117 | 52 |
| 290200006001526 | Mandril Máquina HSS-E CO - 15,26 X 117 | 15,26 | 16 | 170 | 117 | 52 |
| 290200006001527 | Mandril Máquina HSS-E CO - 15,27 X 117 | 15,27 | 16 | 170 | 117 | 52 |
| 290200006001528 | Mandril Máquina HSS-E CO - 15,28 X 117 | 15,28 | 16 | 170 | 117 | 52 |
| 290200006001529 | Mandril Máquina HSS-E CO - 15,29 X 117 | 15,29 | 16 | 170 | 117 | 52 |
| 290200006001530 | Mandril Máquina HSS-E CO - 15,3 X 117  | 15,3  | 16 | 170 | 117 | 52 |
| 290200006001531 | Mandril Máquina HSS-E CO - 15,31 X 117 | 15,31 | 16 | 170 | 117 | 52 |
| 290200006001532 | Mandril Máquina HSS-E CO - 15,32 X 117 | 15,32 | 16 | 170 | 117 | 52 |
| 290200006001533 | Mandril Máquina HSS-E CO - 15,33 X 117 | 15,33 | 16 | 170 | 117 | 52 |
| 290200006001534 | Mandril Máquina HSS-E CO - 15,34 X 117 | 15,34 | 16 | 170 | 117 | 52 |
| 290200006001535 | Mandril Máquina HSS-E CO - 15,35 X 117 | 15,35 | 16 | 170 | 117 | 52 |
| 290200006001536 | Mandril Máquina HSS-E CO - 15,36 X 117 | 15,36 | 16 | 170 | 117 | 52 |
| 290200006001537 | Mandril Máquina HSS-E CO - 15,37 X 117 | 15,37 | 16 | 170 | 117 | 52 |
| 290200006001538 | Mandril Máquina HSS-E CO - 15,38 X 117 | 15,38 | 16 | 170 | 117 | 52 |
| 290200006001539 | Mandril Máquina HSS-E CO - 15,39 X 117 | 15,39 | 16 | 170 | 117 | 52 |
| 290200006001540 | Mandril Máquina HSS-E CO - 15,4 X 117  | 15,4  | 16 | 170 | 117 | 52 |
| 290200006001541 | Mandril Máquina HSS-E CO - 15,41 X 117 | 15,41 | 16 | 170 | 117 | 52 |
| 290200006001542 | Mandril Máquina HSS-E CO - 15,42 X 117 | 15,42 | 16 | 170 | 117 | 52 |
| 290200006001543 | Mandril Máquina HSS-E CO - 15,43 X 117 | 15,43 | 16 | 170 | 117 | 52 |
| 290200006001544 | Mandril Máquina HSS-E CO - 15,44 X 117 | 15,44 | 16 | 170 | 117 | 52 |
| 290200006001545 | Mandril Máquina HSS-E CO - 15,45 X 117 | 15,45 | 16 | 170 | 117 | 52 |
| 290200006001546 | Mandril Máquina HSS-E CO - 15,46 X 117 | 15,46 | 16 | 170 | 117 | 52 |
| 290200006001547 | Mandril Máquina HSS-E CO - 15,47 X 117 | 15,47 | 16 | 170 | 117 | 52 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001548 | Mandril Máquina HSS-E CO - 15,48 X 117 | 15,48 | 16 | 170 | 117 | 52 |
| 290200006001549 | Mandril Máquina HSS-E CO - 15,49 X 117 | 15,49 | 16 | 170 | 117 | 52 |
| 290200006001550 | Mandril Máquina HSS-E CO - 15,5 X 117  | 15,5  | 16 | 170 | 117 | 52 |
| 290200006001551 | Mandril Máquina HSS-E CO - 15,51 X 117 | 15,51 | 16 | 170 | 117 | 52 |
| 290200006001552 | Mandril Máquina HSS-E CO - 15,52 X 117 | 15,52 | 16 | 170 | 117 | 52 |
| 290200006001553 | Mandril Máquina HSS-E CO - 15,53 X 117 | 15,53 | 16 | 170 | 117 | 52 |
| 290200006001554 | Mandril Máquina HSS-E CO - 15,54 X 117 | 15,54 | 16 | 170 | 117 | 52 |
| 290200006001555 | Mandril Máquina HSS-E CO - 15,55 X 117 | 15,55 | 16 | 170 | 117 | 52 |
| 290200006001556 | Mandril Máquina HSS-E CO - 15,56 X 117 | 15,56 | 16 | 170 | 117 | 52 |
| 290200006001557 | Mandril Máquina HSS-E CO - 15,57 X 117 | 15,57 | 16 | 170 | 117 | 52 |
| 290200006001558 | Mandril Máquina HSS-E CO - 15,58 X 117 | 15,58 | 16 | 170 | 117 | 52 |
| 290200006001559 | Mandril Máquina HSS-E CO - 15,59 X 117 | 15,59 | 16 | 170 | 117 | 52 |
| 290200006001560 | Mandril Máquina HSS-E CO - 15,6 X 117  | 15,6  | 16 | 170 | 117 | 52 |
| 290200006001561 | Mandril Máquina HSS-E CO - 15,61 X 117 | 15,61 | 16 | 170 | 117 | 52 |
| 290200006001562 | Mandril Máquina HSS-E CO - 15,62 X 117 | 15,62 | 16 | 170 | 117 | 52 |
| 290200006001563 | Mandril Máquina HSS-E CO - 15,63 X 117 | 15,63 | 16 | 170 | 117 | 52 |
| 290200006001564 | Mandril Máquina HSS-E CO - 15,64 X 117 | 15,64 | 16 | 170 | 117 | 52 |
| 290200006001565 | Mandril Máquina HSS-E CO - 15,65 X 117 | 15,65 | 16 | 170 | 117 | 52 |
| 290200006001566 | Mandril Máquina HSS-E CO - 15,66 X 117 | 15,66 | 16 | 170 | 117 | 52 |
| 290200006001567 | Mandril Máquina HSS-E CO - 15,67 X 117 | 15,67 | 16 | 170 | 117 | 52 |
| 290200006001568 | Mandril Máquina HSS-E CO - 15,68 X 117 | 15,68 | 16 | 170 | 117 | 52 |
| 290200006001569 | Mandril Máquina HSS-E CO - 15,69 X 117 | 15,69 | 16 | 170 | 117 | 52 |
| 290200006001570 | Mandril Máquina HSS-E CO - 15,7 X 117  | 15,7  | 16 | 170 | 117 | 52 |
| 290200006001571 | Mandril Máquina HSS-E CO - 15,71 X 117 | 15,71 | 16 | 170 | 117 | 52 |
| 290200006001572 | Mandril Máquina HSS-E CO - 15,72 X 117 | 15,72 | 16 | 170 | 117 | 52 |
| 290200006001573 | Mandril Máquina HSS-E CO - 15,73 X 117 | 15,73 | 16 | 170 | 117 | 52 |
| 290200006001574 | Mandril Máquina HSS-E CO - 15,74 X 117 | 15,74 | 16 | 170 | 117 | 52 |
| 290200006001575 | Mandril Máquina HSS-E CO - 15,75 X 117 | 15,75 | 16 | 170 | 117 | 52 |
| 290200006001576 | Mandril Máquina HSS-E CO - 15,76 X 117 | 15,76 | 16 | 170 | 117 | 52 |
| 290200006001577 | Mandril Máquina HSS-E CO - 15,77 X 117 | 15,77 | 16 | 170 | 117 | 52 |
| 290200006001578 | Mandril Máquina HSS-E CO - 15,78 X 117 | 15,78 | 16 | 170 | 117 | 52 |
| 290200006001579 | Mandril Máquina HSS-E CO - 15,79 X 117 | 15,79 | 16 | 170 | 117 | 52 |
| 290200006001580 | Mandril Máquina HSS-E CO - 15,8 X 117  | 15,8  | 16 | 170 | 117 | 52 |
| 290200006001581 | Mandril Máquina HSS-E CO - 15,81 X 117 | 15,81 | 16 | 170 | 117 | 52 |
| 290200006001582 | Mandril Máquina HSS-E CO - 15,82 X 117 | 15,82 | 16 | 170 | 117 | 52 |
| 290200006001583 | Mandril Máquina HSS-E CO - 15,83 X 117 | 15,83 | 16 | 170 | 117 | 52 |
| 290200006001584 | Mandril Máquina HSS-E CO - 15,84 X 117 | 15,84 | 16 | 170 | 117 | 52 |
| 290200006001585 | Mandril Máquina HSS-E CO - 15,85 X 117 | 15,85 | 16 | 170 | 117 | 52 |
| 290200006001586 | Mandril Máquina HSS-E CO - 15,86 X 117 | 15,86 | 16 | 170 | 117 | 52 |
| 290200006001587 | Mandril Máquina HSS-E CO - 15,87 X 117 | 15,87 | 16 | 170 | 117 | 52 |
| 290200006001588 | Mandril Máquina HSS-E CO - 15,88 X 117 | 15,88 | 16 | 170 | 117 | 52 |
| 290200006001589 | Mandril Máquina HSS-E CO - 15,89 X 117 | 15,89 | 16 | 170 | 117 | 52 |
| 290200006001590 | Mandril Máquina HSS-E CO - 15,9 X 117  | 15,9  | 16 | 170 | 117 | 52 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001591 | Mandril Máquina HSS-E CO - 15,91 X 117 | 15,91 | 16 | 170 | 117 | 52 |
| 290200006001592 | Mandril Máquina HSS-E CO - 15,92 X 117 | 15,92 | 16 | 170 | 117 | 52 |
| 290200006001593 | Mandril Máquina HSS-E CO - 15,93 X 117 | 15,93 | 16 | 170 | 117 | 52 |
| 290200006001594 | Mandril Máquina HSS-E CO - 15,94 X 117 | 15,94 | 16 | 170 | 117 | 52 |
| 290200006001595 | Mandril Máquina HSS-E CO - 15,95 X 117 | 15,95 | 16 | 170 | 117 | 52 |
| 290200006001596 | Mandril Máquina HSS-E CO - 15,96 X 117 | 15,96 | 16 | 170 | 117 | 52 |
| 290200006001597 | Mandril Máquina HSS-E CO - 15,97 X 117 | 15,97 | 16 | 170 | 117 | 52 |
| 290200006001598 | Mandril Máquina HSS-E CO - 15,98 X 117 | 15,98 | 16 | 170 | 117 | 52 |
| 290200006001599 | Mandril Máquina HSS-E CO - 15,99 X 117 | 15,99 | 16 | 170 | 117 | 52 |
| 290200006001600 | Mandril Máquina HSS-E CO - 16 X 117    | 16    | 16 | 170 | 117 | 52 |
| 290200006001601 | Mandril Máquina HSS-E CO - 16,01 X 117 | 16,01 | 16 | 170 | 117 | 52 |
| 290200006001602 | Mandril Máquina HSS-E CO - 16,02 X 117 | 16,02 | 16 | 170 | 117 | 52 |
| 290200006001603 | Mandril Máquina HSS-E CO - 16,03 X 117 | 16,03 | 16 | 170 | 117 | 52 |
| 290200006001604 | Mandril Máquina HSS-E CO - 16,04 X 117 | 16,04 | 16 | 170 | 117 | 52 |
| 290200006001605 | Mandril Máquina HSS-E CO - 16,05 X 117 | 16,05 | 16 | 170 | 117 | 52 |
| 290200006001606 | Mandril Máquina HSS-E CO - 16,06 X 122 | 16,06 | 16 | 175 | 122 | 54 |
| 290200006001607 | Mandril Máquina HSS-E CO - 16,07 X 122 | 16,07 | 16 | 175 | 122 | 54 |
| 290200006001608 | Mandril Máquina HSS-E CO - 16,08 X 122 | 16,08 | 16 | 175 | 122 | 54 |
| 290200006001609 | Mandril Máquina HSS-E CO - 16,09 X 122 | 16,09 | 16 | 175 | 122 | 54 |
| 290200006001610 | Mandril Máquina HSS-E CO - 16,1 X 122  | 16,1  | 16 | 175 | 122 | 54 |
| 290200006001611 | Mandril Máquina HSS-E CO - 16,11 X 122 | 16,11 | 16 | 175 | 122 | 54 |
| 290200006001612 | Mandril Máquina HSS-E CO - 16,12 X 122 | 16,12 | 16 | 175 | 122 | 54 |
| 290200006001613 | Mandril Máquina HSS-E CO - 16,13 X 122 | 16,13 | 16 | 175 | 122 | 54 |
| 290200006001614 | Mandril Máquina HSS-E CO - 16,14 X 122 | 16,14 | 16 | 175 | 122 | 54 |
| 290200006001615 | Mandril Máquina HSS-E CO - 16,15 X 122 | 16,15 | 16 | 175 | 122 | 54 |
| 290200006001616 | Mandril Máquina HSS-E CO - 16,16 X 122 | 16,16 | 16 | 175 | 122 | 54 |
| 290200006001617 | Mandril Máquina HSS-E CO - 16,17 X 122 | 16,17 | 16 | 175 | 122 | 54 |
| 290200006001618 | Mandril Máquina HSS-E CO - 16,18 X 122 | 16,18 | 16 | 175 | 122 | 54 |
| 290200006001619 | Mandril Máquina HSS-E CO - 16,19 X 122 | 16,19 | 16 | 175 | 122 | 54 |
| 290200006001620 | Mandril Máquina HSS-E CO - 16,2 X 122  | 16,2  | 16 | 175 | 122 | 54 |
| 290200006001697 | Mandril Máquina HSS-E CO - 16,97 X 122 | 16,97 | 16 | 175 | 122 | 54 |
| 290200006001698 | Mandril Máquina HSS-E CO - 16,98 X 122 | 16,98 | 16 | 175 | 122 | 54 |
| 290200006001699 | Mandril Máquina HSS-E CO - 16,99 X 122 | 16,99 | 16 | 175 | 122 | 54 |
| 290200006001699 | Mandril Máquina HSS-E CO - 16,99 X 122 | 16,99 | 16 | 175 | 122 | 54 |
| 290200006001700 | Mandril Máquina HSS-E CO - 17 X 122    | 17    | 16 | 175 | 122 | 54 |
| 290200006001701 | Mandril Máquina HSS-E CO - 17,01 X 122 | 17,01 | 16 | 175 | 122 | 54 |
| 290200006001702 | Mandril Máquina HSS-E CO - 17,02 X 122 | 17,02 | 16 | 175 | 122 | 54 |
| 290200006001703 | Mandril Máquina HSS-E CO - 17,03 X 122 | 17,03 | 16 | 175 | 122 | 54 |
| 290200006001704 | Mandril Máquina HSS-E CO - 17,04 X 122 | 17,04 | 16 | 175 | 122 | 54 |
| 290200006001705 | Mandril Máquina HSS-E CO - 17,05 X 122 | 17,05 | 16 | 175 | 122 | 54 |
| 290200006001797 | Mandril Máquina HSS-E CO - 17,97 X 129 | 17,97 | 16 | 182 | 129 | 56 |
| 290200006001798 | Mandril Máquina HSS-E CO - 17,98 X 129 | 17,98 | 16 | 182 | 129 | 56 |
| 290200006001799 | Mandril Máquina HSS-E CO - 17,99 X 129 | 17,99 | 16 | 182 | 129 | 56 |

| Ref.            | Descrição                              | D1    | D2 | L1  | L2  | L3 |
|-----------------|--|-------|----|-----|-----|----|
| 290200006001800 | Mandril Máquina HSS-E CO - 18 X 129    | 18    | 16 | 182 | 129 | 56 |
| 290200006001810 | Mandril Máquina HSS-E CO - 18,1 X 136  | 18,1  | 16 | 189 | 136 | 58 |
| 290200006001820 | Mandril Máquina HSS-E CO - 18,2 X 136  | 18,2  | 16 | 189 | 136 | 58 |
| 290200006001897 | Mandril Máquina HSS-E CO - 18,97 X 136 | 18,97 | 16 | 189 | 136 | 58 |
| 290200006001898 | Mandril Máquina HSS-E CO - 18,98 X 136 | 18,98 | 16 | 189 | 136 | 58 |
| 290200006001899 | Mandril Máquina HSS-E CO - 18,99 X 136 | 18,99 | 16 | 189 | 136 | 58 |
| 290200006001900 | Mandril Máquina HSS-E CO - 19 X 136    | 19    | 16 | 189 | 136 | 58 |
| 290200006001901 | Mandril Máquina HSS-E CO - 19,01 X 136 | 19,01 | 16 | 189 | 136 | 58 |
| 290200006001902 | Mandril Máquina HSS-E CO - 19,02 X 136 | 19,02 | 16 | 189 | 136 | 58 |
| 290200006001903 | Mandril Máquina HSS-E CO - 19,03 X 136 | 19,03 | 16 | 189 | 136 | 58 |
| 290200006001904 | Mandril Máquina HSS-E CO - 19,04 X 136 | 19,04 | 16 | 189 | 136 | 58 |
| 290200006001905 | Mandril Máquina HSS-E CO - 19,05 X 136 | 19,05 | 16 | 189 | 136 | 58 |
| 290200006001997 | Mandril Máquina HSS-E CO - 19,97 X 142 | 19,97 | 16 | 195 | 142 | 60 |
| 290200006001998 | Mandril Máquina HSS-E CO - 19,98 X 142 | 19,98 | 16 | 195 | 142 | 60 |
| 290200006001999 | Mandril Máquina HSS-E CO - 19,99 X 142 | 19,99 | 16 | 195 | 142 | 60 |
| 290200006002000 | Mandril Máquina HSS-E CO - 20 X 142    | 20    | 16 | 195 | 142 | 60 |
| 290200006002001 | Mandril Máquina HSS-E CO - 20,01 X 142 | 20,01 | 16 | 195 | 142 | 60 |
| 290200006002002 | Mandril Máquina HSS-E CO - 20,02 X 142 | 20,02 | 16 | 195 | 142 | 60 |
| 290200006002003 | Mandril Máquina HSS-E CO - 20,03 X 142 | 20,03 | 16 | 195 | 142 | 60 |
| 290200006002004 | Mandril Máquina HSS-E CO - 20,04 X 142 | 20,04 | 16 | 195 | 142 | 60 |
| 290200006002005 | Mandril Máquina HSS-E CO - 20,05 X 142 | 20,05 | 16 | 195 | 142 | 60 |
| 290200006002010 | Mandril Máquina HSS-E CO - 20,1 X 142  | 20,1  | 16 | 195 | 142 | 60 |
| 290200006002011 | Mandril Máquina HSS-E CO - 20,11 X 142 | 20,11 | 16 | 195 | 142 | 60 |
| 290200006002012 | Mandril Máquina HSS-E CO - 20,12 X 142 | 20,12 | 16 | 195 | 142 | 60 |
| 290200006002013 | Mandril Máquina HSS-E CO - 20,13 X 142 | 20,13 | 16 | 195 | 142 | 60 |
| 290200006002014 | Mandril Máquina HSS-E CO - 20,14 X 142 | 20,14 | 16 | 195 | 142 | 60 |
| 290200006002015 | Mandril Máquina HSS-E CO - 20,15 X 142 | 20,15 | 16 | 195 | 142 | 60 |
| 290200006002016 | Mandril Máquina HSS-E CO - 20,16 X 142 | 20,16 | 16 | 195 | 142 | 60 |
| 290200006002017 | Mandril Máquina HSS-E CO - 20,17 X 142 | 20,17 | 16 | 195 | 142 | 60 |
| 290200006002018 | Mandril Máquina HSS-E CO - 20,18 X 142 | 20,18 | 16 | 195 | 142 | 60 |
| 290200006002019 | Mandril Máquina HSS-E CO - 20,19 X 142 | 20,19 | 16 | 195 | 142 | 60 |
| 290200006002020 | Mandril Máquina HSS-E CO - 20,2 X 142  | 20,2  | 16 | 195 | 142 | 60 |