

# FREIOS EXTERIORES | FREIOS INTERIORES | FREIOS RÁPIDOS

Os Freios são anéis de metal semi-flexíveis, compostos por dois lados, um liso que é instalado voltado para a peça, assim como um áspero voltado para o exterior e, têm como objectivo permitir a rotação de um mecanismo mas, aos mesmo tempo, impedir a sua movimentação lateral.

Os Freios são projectados para poderem ser removidos por uma ferramenta especial, mas em situações de embaraço podem ser retiradas com alicates agulha ou com uma chave de fendas.

Normalmente, estes anéis são feitos de aço carbono, aço inoxidável ou cobre berílio, podendo apresentar uma variedade de acabamentos para protecção contra a corrosão, dependendo do ambiente onde serão utilizados.



FREIOS INTERIORES  
472



FREIOS EXTERIORES  
471



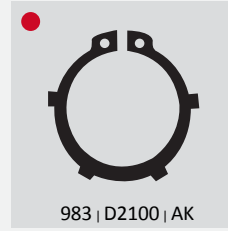
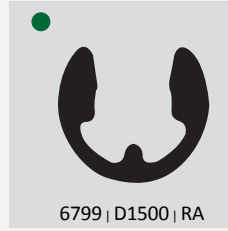
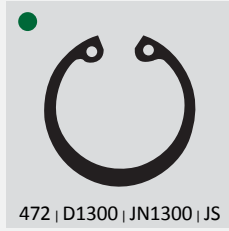
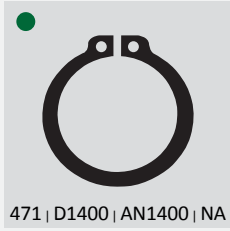
FREIOS RÁPIDOS  
6799

**HidroMarinha**

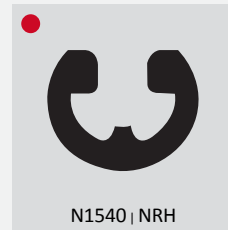
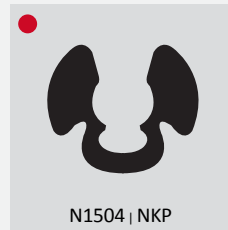
Comércio de Peças e Acessórios Industriais, Lda.

# TIPOS DE FREIOS

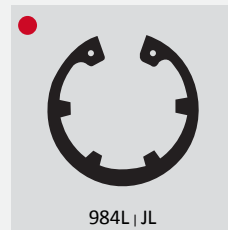
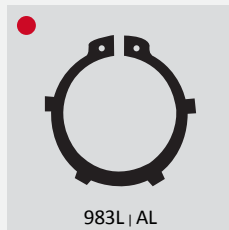
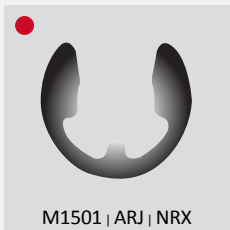
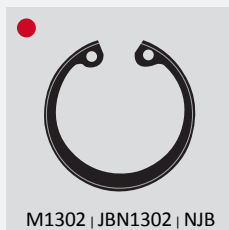
## TIPOS BÁSICOS DE FREIOS



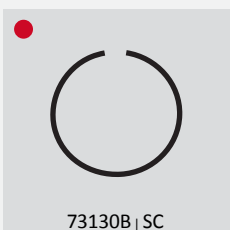
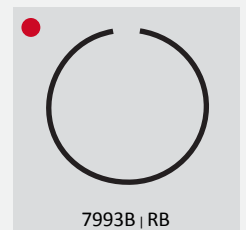
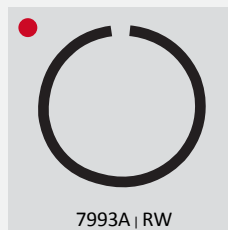
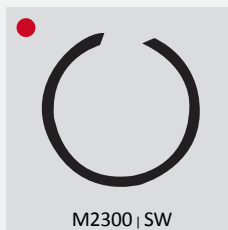
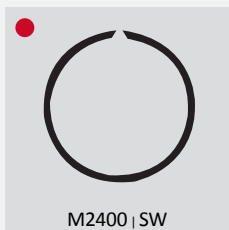
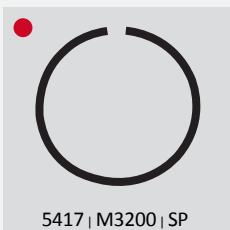
## FREIOS PARA MONTAGEM RADIAL



## FREIOS PARA COMPENSAÇÃO AXIAL

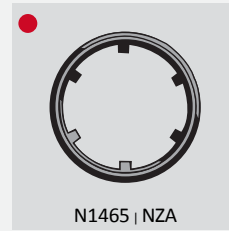
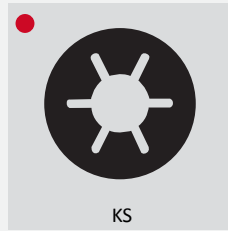
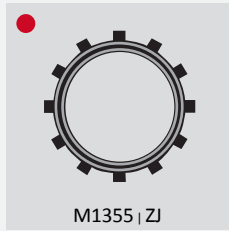
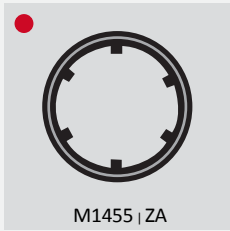


## FREIOS DE RETENÇÃO UNIFORME

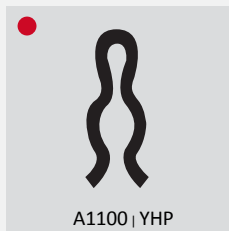


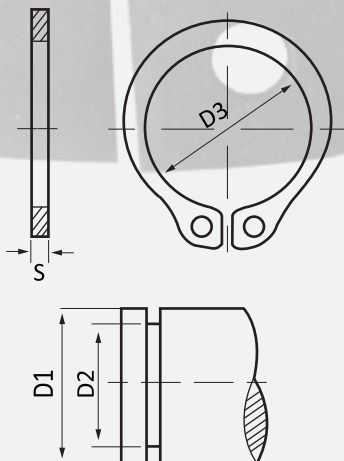
# TIPOS DE FREIOS

## FREIOS DE FIXAÇÃO



## WIRE RINGS





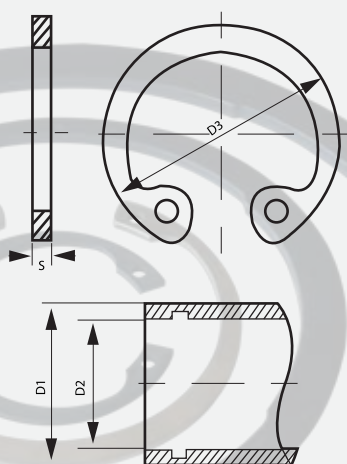
FREIOS EXTERIORES \_ DIN 471

CÓDIGO NORMAL	CÓDIGO INOX	DESCRIÇÃO (D1 x D2 x D3 x S)
		FREIO EXTERIOR 003 x 2.8 x 2.7 x 0.40
FR.471.004		FREIO EXTERIOR 004 x 3.8 x 3.7 x 0.40
FR.471.005		FREIO EXTERIOR 005 x 4.8 x 4.7 x 0.60
FR.471.006	FRI.471.006	FREIO EXTERIOR 006 x 5.7 x 5.6 x 0.70
FR.471.007		FREIO EXTERIOR 007 x 6.7 x 6.5 x 0.80
FR.471.008	FRI.471.008	FREIO EXTERIOR 008 x 7.6 x 7.4 x 0.80
FR.471.009		FREIO EXTERIOR 009 x 8.6 x 8.4 x 1.00
FR.471.010	FRI.471.010	FREIO EXTERIOR 010 x 9.6 x 9.3 x 1.00
FR.471.011		FREIO EXTERIOR 011 x 10.5 x 10.2 x 1.00
FR.471.012	FRI.471.012	FREIO EXTERIOR 012 x 11.5 x 11.0 x 1.00
FR.471.013		FREIO EXTERIOR 013 x 12.4 x 11.9 x 1.00
FR.471.014	FRI.471.014	FREIO EXTERIOR 014 x 13.4 x 12.9 x 1.00
FR.471.015	FRI.471.015	FREIO EXTERIOR 015 x 14.3 x 13.8 x 1.00
FR.471.016	FRI.471.016	FREIO EXTERIOR 016 x 15.2 x 14.7 x 1.00
FR.471.017		FREIO EXTERIOR 017 x 16.2 x 15.7 x 1.00
FR.471.018	FRI.471.018	FREIO EXTERIOR 018 x 17.0 x 16.5 x 1.20
FR.471.019	FRI.471.019	FREIO EXTERIOR 019 x 18.0 x 17.5 x 1.20
FR.471.020	FRI.471.020	FREIO EXTERIOR 020 x 19.0 x 18.5 x 1.20
FR.471.021		FREIO EXTERIOR 021 x 20.0 x 19.5 x 1.20
FR.471.022	FRI.471.022	FREIO EXTERIOR 022 x 21.0 x 20.5 x 1.20
FR.471.023		FREIO EXTERIOR 023 x 22.0 x 21.5 x 1.20
FR.471.024		FREIO EXTERIOR 024 x 22.9 x 22.2 x 1.20
FR.471.025		FREIO EXTERIOR 025 x 23.9 x 23.2 x 1.20
FR.471.026		FREIO EXTERIOR 026 x 24.9 x 24.2 x 1.20
FR.471.027		FREIO EXTERIOR 027 x 25.6 x 24.9 x 1.20
FR.471.028		FREIO EXTERIOR 028 x 26.6 x 25.9 x 1.50
FR.471.029		FREIO EXTERIOR 029 x 27.6 x 26.9 x 1.50
FR.471.030	FRI.471.030	FREIO EXTERIOR 030 x 28.6 x 27.9 x 1.50
FR.471.031		FREIO EXTERIOR 031 x 29.3 x 28.6 x 1.50
FR.471.032	FRI.471.032	FREIO EXTERIOR 032 x 30.3 x 29.6 x 1.50
FR.471.033		FREIO EXTERIOR 033 x 31.3 x 30.5 x 1.50
FR.471.034		FREIO EXTERIOR 034 x 32.3 x 31.5 x 1.50
FR.471.035		FREIO EXTERIOR 035 x 33.0 x 32.2 x 1.50
FR.471.036		FREIO EXTERIOR 036 x 34.0 x 33.2 x 1.75
FR.471.037		FREIO EXTERIOR 037 x 35.0 x 34.2 x 1.75
FR.471.038		FREIO EXTERIOR 038 x 36.0 x 35.2 x 1.75
FR.471.039		FREIO EXTERIOR 039 x 37.0 x 36.0 x 1.75
FR.471.040		FREIO EXTERIOR 040 x 37.5 x 36.5 x 1.75
FR.471.041		FREIO EXTERIOR 041 x 38.5 x 37.5 x 1.75
FR.471.042	FRI.471.042	FREIO EXTERIOR 042 x 39.5 x 38.5 x 1.75
FR.471.044		FREIO EXTERIOR 044 x 41.5 x 40.5 x 1.75

CÓDIGO NORMAL	CÓDIGO INOX	DESCRIÇÃO (D1 x D2 x D3 x S)
FR.471.045		FREIO EXTERIOR 045 x 42.5 x 41.5 x 1.75
FR.471.046		FREIO EXTERIOR 046 x 43.5 x 42.5 x 1.75
FR.471.047		FREIO EXTERIOR 047 x 44.5 x 43.5 x 1.75
FR.471.048		FREIO EXTERIOR 048 x 45.5 x 44.5 x 1.75
FR.471.050	FRI.471.050	FREIO EXTERIOR 050 x 47.0 x 45.8 x 2.00
FR.471.052		FREIO EXTERIOR 052 x 49.0 x 47.8 x 2.00
FR.471.054		FREIO EXTERIOR 054 x 51.0 x 49.8 x 2.00
FR.471.055		FREIO EXTERIOR 055 x 52.0 x 50.8 x 2.00
FR.471.056		FREIO EXTERIOR 056 x 53.0 x 51.8 x 2.00
FR.471.057		FREIO EXTERIOR 057 x 54.0 x 52.8 x 2.00
FR.471.058		FREIO EXTERIOR 058 x 55.0 x 53.8 x 2.00
FR.471.060		FREIO EXTERIOR 060 x 57.0 x 55.8 x 2.00
FR.471.062		FREIO EXTERIOR 062 x 59.0 x 57.8 x 2.00
FR.471.063		FREIO EXTERIOR 063 x 60.0 x 58.8 x 2.00
FR.471.065		FREIO EXTERIOR 065 x 62.0 x 60.8 x 2.50
FR.471.067		FREIO EXTERIOR 067 x 64.0 x 62.5 x 2.50
FR.471.068		FREIO EXTERIOR 068 x 65.0 x 63.5 x 2.50
FR.471.070		FREIO EXTERIOR 070 x 67.0 x 65.5 x 2.50
FR.471.072		FREIO EXTERIOR 072 x 69.0 x 67.5 x 2.50
FR.471.075	FRI.471.075	FREIO EXTERIOR 075 x 72.0 x 70.5 x 2.50
FR.471.077		FREIO EXTERIOR 077 x 74.0 x 72.5 x 2.50
FR.471.078		FREIO EXTERIOR 078 x 75.0 x 73.5 x 2.50
FR.471.080		FREIO EXTERIOR 080 x 76.5 x 74.5 x 2.50
FR.471.082		FREIO EXTERIOR 082 x 78.5 x 76.5 x 2.50
FR.471.085		FREIO EXTERIOR 085 x 81.5 x 79.5 x 3.00
FR.471.087		FREIO EXTERIOR 087 x 83.5 x 81.5 x 3.00
FR.471.088		FREIO EXTERIOR 088 x 84.5 x 82.5 x 3.00
FR.471.090		FREIO EXTERIOR 090 x 86.5 x 84.5 x 3.00
FR.471.092		FREIO EXTERIOR 092 x 88.5 x 86.5 x 3.00
FR.471.095		FREIO EXTERIOR 095 x 91.5 x 89.5 x 3.00
FR.471.097		FREIO EXTERIOR 097 x 93.5 x 91.5 x 3.00
FR.471.100		FREIO EXTERIOR 100 x 96.5 x 94.5 x 3.00
FR.471.102		FREIO EXTERIOR 102 x 98.0 x 95.0 x 4.00
FR.471.105		FREIO EXTERIOR 105 x 101.0 x 98.0 x 4.00
FR.471.107		FREIO EXTERIOR 107 x 103.0 x 100.0 x 4.00
FR.471.110		FREIO EXTERIOR 110 x 106.0 x 103.0 x 4.00
FR.471.112		FREIO EXTERIOR 112 x 108.0 x 105.0 x 4.00
FR.471.115		FREIO EXTERIOR 115 x 111.0 x 108.0 x 4.00
FR.471.117		FREIO EXTERIOR 117 x 113.0 x 110.0 x 4.00
FR.471.120		FREIO EXTERIOR 120 x 116.0 x 113.0 x 4.00
FR.471.122		FREIO EXTERIOR 122 x 118.0 x 115.0 x 4.00
FR.471.125		FREIO EXTERIOR 125 x 121.0 x 118.0 x 4.00
FR.471.127		FREIO EXTERIOR 127 x 123.0 x 120.0 x 4.00
FR.471.130		FREIO EXTERIOR 130 x 126.0 x 123.0 x 4.00
FR.471.132		FREIO EXTERIOR 132 x 128.0 x 125.0 x 4.00
FR.471.135		FREIO EXTERIOR 135 x 131.0 x 128.0 x 4.00
FR.471.137		FREIO EXTERIOR 137 x 133.0 x 130.0 x 4.00
FR.471.140		FREIO EXTERIOR 140 x 136.0 x 134.0 x 4.00
FR.471.142		FREIO EXTERIOR 142 x 138.0 x 135.0 x 4.00
FR.471.145		FREIO EXTERIOR 145 x 141.0 x 138.0 x 4.00
FR.471.147		FREIO EXTERIOR 147 x 143.0 x 140.0 x 4.00
FR.471.150		FREIO EXTERIOR 150 x 145.0 x 142.0 x 4.00
		FREIO EXTERIOR 152 x 147.0 x 143.0 x 4.00
FR.471.155		FREIO EXTERIOR 155 x 150.0 x 146.0 x 4.00
		FREIO EXTERIOR 157 x 152.0 x 148.0 x 4.00
FR.471.160		FREIO EXTERIOR 160 x 155.0 x 151.0 x 4.00
		FREIO EXTERIOR 162 x 157.0 x 152.5 x 4.00
FR.471.165		FREIO EXTERIOR 165 x 160.0 x 155.5 x 4.00
		FREIO EXTERIOR 167 x 162.0 x 157.5 x 4.00
FR.471.170		FREIO EXTERIOR 170 x 165.0 x 160.5 x 4.00
FR.471.175		FREIO EXTERIOR 175 x 170.0 x 165.5 x 4.00
		FREIO EXTERIOR 177 x 172.0 x 167.5 x 4.00
FR.471.180		FREIO EXTERIOR 180 x 175.0 x 170.5 x 4.00
FR.471.185		FREIO EXTERIOR 185 x 180.0 x 175.5 x 4.00
		FREIO EXTERIOR 187 x 182.0 x 177.5 x 4.00
FR.471.190		FREIO EXTERIOR 190 x 185.0 x 180.5 x 4.00
FR.471.195		FREIO EXTERIOR 195 x 190.0 x 185.5 x 4.00
		FREIO EXTERIOR 197 x 192.0 x 187.5 x 4.00

CÓDIGO NORMAL	CÓDIGO INOX	DESCRIÇÃO (D1 x D2 x D3 x S)
FR.471.200		FREIO EXTERIOR 200 x 195.0 x 190.5 x 4.00
		FREIO EXTERIOR 202 x 196.0 x 190.5 x 5.00
		FREIO EXTERIOR 205 x 199.0 x 193.0 x 5.00
FR.471.210		FREIO EXTERIOR 210 x 204.0 x 198.0 x 5.00
		FREIO EXTERIOR 215 x 209.0 x 203.0 x 5.00
FR.471.220		FREIO EXTERIOR 220 x 214.0 x 208.0 x 5.00
		FREIO EXTERIOR 225 x 219.0 x 213.0 x 5.00
FR.471.230		FREIO EXTERIOR 230 x 224.0 x 218.0 x 5.00
		FREIO EXTERIOR 235 x 229.0 x 223.0 x 5.00
FR.471.240		FREIO EXTERIOR 240 x 234.0 x 228.0 x 5.00
		FREIO EXTERIOR 245 x 239.0 x 233.0 x 5.00
FR.471.250		FREIO EXTERIOR 250 x 244.0 x 238.0 x 5.00
		FREIO EXTERIOR 255 x 247.0 x 238.0 x 5.00
FR.471.260		FREIO EXTERIOR 260 x 252.0 x 245.0 x 5.00
		FREIO EXTERIOR 265 x 257.0 x 250.0 x 5.00
FR.471.270		FREIO EXTERIOR 270 x 262.0 x 255.0 x 5.00
		FREIO EXTERIOR 275 x 267.0 x 260.0 x 5.00
FR.471.280		FREIO EXTERIOR 280 x 272.0 x 265.0 x 5.00
		FREIO EXTERIOR 285 x 277.0 x 270.0 x 5.00
FR.471.290		FREIO EXTERIOR 290 x 282.0 x 275.0 x 5.00
		FREIO EXTERIOR 295 x 287.0 x 280.0 x 5.00
FR.471.300		FREIO EXTERIOR 300 x 292.0 x 285.0 x 5.00
		FREIO EXTERIOR 305 x 295.0 x 288.0 x 6.00
		FREIO EXTERIOR 310 x 300.0 x 293.0 x 6.00
		FREIO EXTERIOR 315 x 305.0 x 298.0 x 6.00
		FREIO EXTERIOR 320 x 310.0 x 303.0 x 6.00
		FREIO EXTERIOR 330 x 320.0 x 313.0 x 6.00
		FREIO EXTERIOR 335 x 325.0 x 318.0 x 6.00
		FREIO EXTERIOR 340 x 330.0 x 323.0 x 6.00
		FREIO EXTERIOR 345 x 335.0 x 328.0 x 6.00
		FREIO EXTERIOR 350 x 340.0 x 333.0 x 6.00
		FREIO EXTERIOR 360 x 350.0 x 343.0 x 6.00
		FREIO EXTERIOR 365 x 355.0 x 348.0 x 6.00
		FREIO EXTERIOR 370 x 360.0 x 353.0 x 6.00
		FREIO EXTERIOR 375 x 365.0 x 358.0 x 6.00
		FREIO EXTERIOR 380 x 370.0 x 363.0 x 6.00
		FREIO EXTERIOR 385 x 375.0 x 368.0 x 6.00
		FREIO EXTERIOR 390 x 380.0 x 373.0 x 6.00
		FREIO EXTERIOR 395 x 385.0 x 378.0 x 6.00
		FREIO EXTERIOR 400 x 390.0 x 383.0 x 6.00
		FREIO EXTERIOR 410 x 398.0 x 390.0 x 7.00
		FREIO EXTERIOR 420 x 408.0 x 400.0 x 7.00
		FREIO EXTERIOR 430 x 418.0 x 410.0 x 7.00
		FREIO EXTERIOR 440 x 428.0 x 420.0 x 7.00
		FREIO EXTERIOR 450 x 438.0 x 430.0 x 7.00
		FREIO EXTERIOR 460 x 448.0 x 440.0 x 7.00
		FREIO EXTERIOR 470 x 458.0 x 450.0 x 7.00
		FREIO EXTERIOR 480 x 468.0 x 460.0 x 7.00
		FREIO EXTERIOR 490 x 478.0 x 470.0 x 7.00
		FREIO EXTERIOR 500 x 488.0 x 480.0 x 7.00

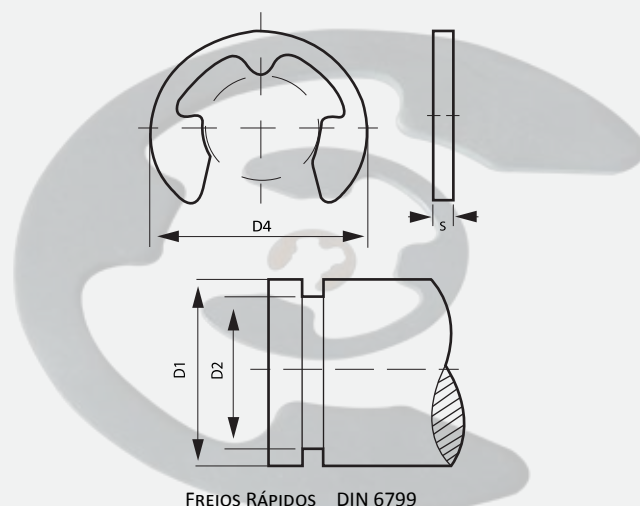
CÓDIGO	CÓDIGO	DESCRIÇÃO (D1 x D2 x D3 x S)
FR.472.008		FREIO INTERIOR 008 x 8.4 x 8.7 x 0.80
FR.472.009		FREIO INTERIOR 009 x 9.4 x 9.8 x 0.80
FR.472.010		FREIO INTERIOR 010 x 10.4 x 10.8 x 1.00
FR.472.011		FREIO INTERIOR 011 x 11.4 x 11.8 x 1.00
FR.472.012	FRI.472.012	FREIO INTERIOR 012 x 12.5 x 13.0 x 1.00
FR.472.013		FREIO INTERIOR 013 x 13.6 x 14.1 x 1.00
FR.472.014	FRI.472.014	FREIO INTERIOR 014 x 14.6 x 15.1 x 1.00
FR.472.015		FREIO INTERIOR 015 x 15.7 x 16.2 x 1.00
FR.472.016	FRI.472.016	FREIO INTERIOR 016 x 16.8 x 17.3 x 1.00
FR.472.017		FREIO INTERIOR 017 x 17.8 x 18.3 x 1.00
FR.472.018	FRI.472.018	FREIO INTERIOR 018 x 19.0 x 19.5 x 1.00
FR.472.019		FREIO INTERIOR 019 x 20.0 x 20.5 x 1.00
FR.472.020	FRI.472.020	FREIO INTERIOR 020 x 21.0 x 21.5 x 1.00
FR.472.021		FREIO INTERIOR 021 x 22.0 x 22.5 x 1.00
FR.472.022		FREIO INTERIOR 022 x 23.0 x 23.5 x 1.00
FR.472.023		FREIO INTERIOR 023 x 24.1 x 24.6 x 1.20
FR.472.024	FRI.472.024	FREIO INTERIOR 024 x 25.2 x 25.9 x 1.20
FR.472.025		FREIO INTERIOR 025 x 26.2 x 26.9 x 1.20
FR.472.026		FREIO INTERIOR 026 x 27.2 x 27.9 x 1.20
FR.472.027		FREIO INTERIOR 027 x 28.4 x 29.1 x 1.20
FR.472.028		FREIO INTERIOR 028 x 29.4 x 30.1 x 1.20
FR.472.029		FREIO INTERIOR 029 x 30.4 x 31.1 x 1.20
FR.472.030		FREIO INTERIOR 030 x 31.4 x 32.1 x 1.20
FR.472.031		FREIO INTERIOR 031 x 32.7 x 33.4 x 1.20
FR.472.032	FRI.472.032	FREIO INTERIOR 032 x 33.7 x 34.4 x 1.20
FR.472.033		FREIO INTERIOR 033 x 34.7 x 35.5 x 1.20
FR.472.034		FREIO INTERIOR 034 x 35.7 x 36.5 x 1.50
FR.472.035	FRI.472.035	FREIO INTERIOR 035 x 37.0 x 37.8 x 1.50
FR.472.036		FREIO INTERIOR 036 x 38.0 x 38.8 x 1.50
FR.472.037		FREIO INTERIOR 037 x 39.0 x 39.8 x 1.50
FR.472.038		FREIO INTERIOR 038 x 40.0 x 40.8 x 1.50
FR.472.039		FREIO INTERIOR 039 x 41.0 x 42.0 x 1.50
FR.472.040		FREIO INTERIOR 040 x 42.5 x 43.5 x 1.75
FR.472.041		FREIO INTERIOR 041 x 43.5 x 44.5 x 1.75
FR.472.042		FREIO INTERIOR 042 x 44.5 x 45.5 x 1.75
FR.472.043		FREIO INTERIOR 043 x 45.5 x 46.5 x 1.75
FR.472.044		FREIO INTERIOR 044 x 46.5 x 47.5 x 1.75
FR.472.045		FREIO INTERIOR 045 x 47.5 x 48.5 x 1.75
FR.472.046		FREIO INTERIOR 046 x 48.5 x 49.5 x 1.75
FR.472.047	FRI.472.047	FREIO INTERIOR 047 x 49.5 x 50.5 x 1.75
FR.472.048		FREIO INTERIOR 048 x 50.5 x 51.5 x 1.75
FR.472.050		FREIO INTERIOR 050 x 53.0 x 54.2 x 2.00
FR.472.051		FREIO INTERIOR 051 x 54.0 x 55.2 x 2.00
FR.472.052	FRI.472.052	FREIO INTERIOR 052 x 55.0 x 56.2 x 2.00
FR.472.053		FREIO INTERIOR 053 x 56.0 x 57.2 x 2.00
FR.472.054		FREIO INTERIOR 054 x 57.0 x 58.2 x 2.00
FR.472.055		FREIO INTERIOR 055 x 58.0 x 59.2 x 2.00
FR.472.056		FREIO INTERIOR 056 x 59.0 x 60.2 x 2.00
FR.472.057		FREIO INTERIOR 057 x 60.0 x 61.2 x 2.00
FR.472.058		FREIO INTERIOR 058 x 61.0 x 62.2 x 2.00
FR.472.060		FREIO INTERIOR 060 x 63.0 x 64.2 x 2.00
FR.472.062	FRI.472.062	FREIO INTERIOR 062 x 65.0 x 66.2 x 2.00
FR.472.063		FREIO INTERIOR 063 x 66.0 x 67.2 x 2.00
FR.472.064		FREIO INTERIOR 064 x 67.0 x 68.2 x 2.00
FR.472.065		FREIO INTERIOR 065 x 68.0 x 69.2 x 2.50
FR.472.067		FREIO INTERIOR 067 x 70.0 x 71.5 x 2.50
FR.472.068		FREIO INTERIOR 068 x 71.0 x 72.5 x 2.50
FR.472.070		FREIO INTERIOR 070 x 73.0 x 74.5 x 2.50
FR.472.072		FREIO INTERIOR 072 x 75.0 x 76.5 x 2.50
FR.472.075		FREIO INTERIOR 075 x 78.0 x 79.5 x 2.50
FR.472.078		FREIO INTERIOR 078 x 81.0 x 82.5 x 2.50
FR.472.080		FREIO INTERIOR 080 x 83.5 x 85.5 x 2.50
FR.472.082		FREIO INTERIOR 082 x 85.5 x 87.5 x 2.50
FR.472.085		FREIO INTERIOR 085 x 88.5 x 90.5 x 3.00
FR.472.088		FREIO INTERIOR 088 x 91.5 x 93.5 x 3.00
FR.472.090		FREIO INTERIOR 090 x 93.5 x 95.5 x 3.00
FR.472.092		FREIO INTERIOR 092 x 95.5 x 97.5 x 3.00
FR.472.095		FREIO INTERIOR 095 x 98.5 x 100.5 x 3.00



FREIOS INTERIORES \_ DIN 472

CÓDIGO NORMAL	CÓDIGO INOX	DESCRIÇÃO (D1 x D2 x D3 x S)
FR.472.098		FREIO INTERIOR 098 x 100.5 x 103.5 x 3.00
FR.472.100		FREIO INTERIOR 100 x 103.5 x 105.5 x 3.00
FR.472.102		FREIO INTERIOR 102 x 106.0 x 108.0 x 4.00
FR.472.105		FREIO INTERIOR 105 x 109.0 x 112.0 x 4.00
FR.472.108		FREIO INTERIOR 108 x 112.0 x 115.0 x 4.00
FR.472.110		FREIO INTERIOR 110 x 114.0 x 117.0 x 4.00
FR.472.112		FREIO INTERIOR 112 x 116.0 x 119.0 x 4.00
FR.472.115		FREIO INTERIOR 115 x 119.0 x 122.0 x 4.00
FR.472.118		FREIO INTERIOR 118 x 122.0 x 125.0 x 4.00
FR.472.120		FREIO INTERIOR 120 x 124.0 x 127.0 x 4.00
FR.472.122		FREIO INTERIOR 122 x 126.0 x 129.0 x 4.00
FR.472.125		FREIO INTERIOR 125 x 129.0 x 132.0 x 4.00
FR.472.128		FREIO INTERIOR 128 x 132.0 x 135.0 x 4.00
FR.472.130		FREIO INTERIOR 130 x 134.0 x 137.0 x 4.00
FR.472.135		FREIO INTERIOR 135 x 139.0 x 142.0 x 4.00
FR.472.138		FREIO INTERIOR 138 x 142.0 x 145.0 x 4.00
FR.472.140		FREIO INTERIOR 140 x 144.0 x 147.0 x 4.00
FR.472.142		FREIO INTERIOR 142 x 146.0 x 149.0 x 4.00
FR.472.145		FREIO INTERIOR 145 x 149.0 x 152.0 x 4.00
FR.472.148		FREIO INTERIOR 148 x 152.0 x 155.0 x 4.00
FR.472.150		FREIO INTERIOR 150 x 155.0 x 158.0 x 4.00
FR.472.152		FREIO INTERIOR 152 x 157.0 x 161.0 x 4.00
FR.472.155		FREIO INTERIOR 155 x 160.0 x 164.0 x 4.00
FR.472.158		FREIO INTERIOR 158 x 163.0 x 167.0 x 4.00
FR.472.160		FREIO INTERIOR 160 x 165.0 x 169.0 x 4.00
FR.472.165		FREIO INTERIOR 165 x 170.0 x 174.5 x 4.00
FR.472.168		FREIO INTERIOR 168 x 173.0 x 177.5 x 4.00
FR.472.170		FREIO INTERIOR 170 x 175.0 x 179.5 x 4.00
FR.472.172		FREIO INTERIOR 172 x 177.0 x 181.5 x 4.00
FR.472.175		FREIO INTERIOR 175 x 180.0 x 184.5 x 4.00
FR.472.178		FREIO INTERIOR 178 x 183.0 x 187.5 x 4.00
FR.472.180		FREIO INTERIOR 180 x 185.0 x 189.5 x 4.00
FR.472.185		FREIO INTERIOR 185 x 190.0 x 194.5 x 4.00
		FREIO INTERIOR 188 x 193.0 x 197.5 x 4.00
FR.472.190		FREIO INTERIOR 190 x 195.0 x 199.5 x 4.00
		FREIO INTERIOR 192 x 197.0 x 201.5 x 4.00
FR.472.195		FREIO INTERIOR 195 x 200.0 x 204.5 x 4.00
		FREIO INTERIOR 198 x 203.0 x 207.5 x 4.00
FR.472.200		FREIO INTERIOR 200 x 205.0 x 209.5 x 4.00
FR.472.205		FREIO INTERIOR 205 x 211.0 x 217.0 x 5.00
FR.472.210		FREIO INTERIOR 210 x 216.0 x 222.0 x 5.00
FR.472.215		FREIO INTERIOR 215 x 221.0 x 227.0 x 5.00
FR.472.220		FREIO INTERIOR 220 x 226.0 x 232.0 x 5.00
		FREIO INTERIOR 225 x 231.0 x 237.0 x 5.00
FR.472.230		FREIO INTERIOR 230 x 236.0 x 242.0 x 5.00
		FREIO INTERIOR 235 x 241.0 x 247.0 x 5.00
		FREIO INTERIOR 240 x 246.0 x 252.0 x 5.00
		FREIO INTERIOR 245 x 251.0 x 257.0 x 5.00
FR.472.250		FREIO INTERIOR 250 x 256.0 x 262.0 x 5.00
		FREIO INTERIOR 255 x 263.0 x 270.0 x 5.00
FR.472.260		FREIO INTERIOR 260 x 268.0 x 275.0 x 5.00
		FREIO INTERIOR 265 x 273.0 x 280.0 x 5.00
FR.472.270		FREIO INTERIOR 270 x 278.0 x 285.0 x 5.00
		FREIO INTERIOR 275 x 283.0 x 290.0 x 5.00
FR.472.280		FREIO INTERIOR 280 x 288.0 x 295.0 x 5.00
		FREIO INTERIOR 285 x 293.0 x 300.0 x 5.00
FR.472.290		FREIO INTERIOR 290 x 298.0 x 305.0 x 5.00
FR.472.300		FREIO INTERIOR 300 x 308.0 x 315.0 x 5.00
		FREIO INTERIOR 305 x 315.0 x 322.0 x 6.00
		FREIO INTERIOR 310 x 320.0 x 327.0 x 6.00
		FREIO INTERIOR 315 x 325.0 x 332.0 x 6.00

CÓDIGO	CÓDIGO	DESCRIÇÃO (D1 x D2 x D3 x S)
		FREIO INTERIOR 320 x 330.0 x 337.0 x 6.00
		FREIO INTERIOR 325 x 335.0 x 342.0 x 6.00
		FREIO INTERIOR 330 x 340.0 x 347.0 x 6.00
		FREIO INTERIOR 335 x 345.0 x 352.0 x 6.00
		FREIO INTERIOR 340 x 350.0 x 357.0 x 6.00
		FREIO INTERIOR 350 x 360.0 x 367.0 x 6.00
		FREIO INTERIOR 355 x 365.0 x 372.0 x 6.00
		FREIO INTERIOR 360 x 370.0 x 377.0 x 6.00
		FREIO INTERIOR 370 x 380.0 x 387.0 x 6.00
		FREIO INTERIOR 380 x 390.0 x 397.0 x 6.00
		FREIO INTERIOR 390 x 400.0 x 407.0 x 6.00
		FREIO INTERIOR 395 x 405.0 x 412.0 x 6.00
		FREIO INTERIOR 400 x 410.0 x 417.0 x 6.00
		FREIO INTERIOR 410 x 422.0 x 430.0 x 7.00
		FREIO INTERIOR 420 x 432.0 x 440.0 x 7.00
		FREIO INTERIOR 430 x 442.0 x 450.0 x 7.00
		FREIO INTERIOR 440 x 452.0 x 460.0 x 7.00
		FREIO INTERIOR 450 x 462.0 x 470.0 x 7.00
		FREIO INTERIOR 460 x 472.0 x 480.0 x 7.00
		FREIO INTERIOR 470 x 482.0 x 490.0 x 7.00
		FREIO INTERIOR 480 x 492.0 x 500.0 x 7.00
		FREIO INTERIOR 490 x 502.0 x 510.0 x 7.00
		FREIO INTERIOR 500 x 512.0 x 520.0 x 7.00



CÓDIGO NORMAL	CÓDIGO INOX	DESCRIÇÃO (D2 x D1(DE_A_) x D4 x S)
FR.6799.001.2		FREIO RAPIDO 001.2 x (1.4   2.0) x 2.90 x 0.30
FR.6799.001.5		FREIO RAPIDO 001.5 x (2.0   2.5) x 3.90 x 0.40
FR.6799.001.9		FREIO RAPIDO 001.9 x (2.5   3.0) x 4.40 x 0.50
FR.6799.002.3		FREIO RAPIDO 002.3 x (3.0   4.0) x 5.90 x 0.60
FR.6799.003.2	FRI.6799.003.2	FREIO RAPIDO 003.2 x (4.0   5.0) x 6.90 x 0.60
FR.6799.004.0		FREIO RAPIDO 004.0 x (5.0   7.0) x 8.85 x 0.70
FR.6799.005.0		FREIO RAPIDO 005.0 x (6.0   8.0) x 10.85 x 0.70
FR.6799.006.0		FREIO RAPIDO 006.0 x (7.0   9.0) x 11.80 x 0.70
FR.6799.007.0		FREIO RAPIDO 007.0 x (8.0   11.0) x 13.80 x 0.90
FR.6799.008.0		FREIO RAPIDO 008.0 x (9.0   12.0) x 15.75 x 1.00
FR.6799.009.0		FREIO RAPIDO 009.0 x (10.0   14.0) x 18.20 x 1.10
FR.6799.010.0		FREIO RAPIDO 010.0 x (11.0   15.0) x 19.70 x 1.20
FR.6799.012.0		FREIO RAPIDO 012.0 x (13.0   18.0) x 22.70 x 1.30
FR.6799.015.0		FREIO RAPIDO 015.0 x (16.0   24.0) x 28.70 x 1.50
FR.6799.019.0		FREIO RAPIDO 019.0 x (20.0   31.0) x 36.50 x 1.75
FR.6799.024.0		FREIO RAPIDO 024.0 x (25.0   38.0) x 43.50 x 2.00
FR.6799.030.0		FREIO RAPIDO 030.0 x (32.0   42.0) x 52.60 x 2.50

**HidroMarinha**



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