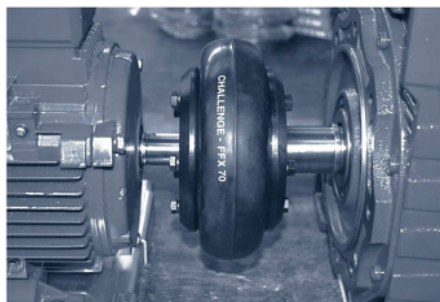


INDUSTRIAL

products

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Accouplements élastiques à pneu Elastische bandkoppelingen



| Prix hors TVA -- Prijs zonder BTW – Prices excluding VAT | | | | | |
|--|--|--------------------|--|--------------|------------|
| TYPE | 1/2 Accouplement 1/2 Koppeling | Taper-Lock N° | Taper-Lock € | Pneu Band | Complet |
| | 2 pieces necessary H or F | 2 pieces necessary | | Tyre | |
| 40 | 15,26 € | 1008 | 5,39 € | 10,23 € | 51,53 € |
| 50 | 18,51 € | 1210 | 7,84 € | 13,20 € | 65,90 € |
| 60 | 26,25 € | 1610 | 8,36 € | 18,33 € | 87,55 € |
| 70 | 40,50 € | 2012**/1610* | 10,85 € | 22,38 € | 125,08 € |
| 80 | 55,95 € | 2517**/2012* | 16,62 € | 27,63 € | 172,77 € |
| 90 | 74,19 € | 2517 | 16,62 € | 29,61 € | 211,23 € |
| 100 | 99,21 € | 3020**/2517* | 27,12 € | 35,46 € | 288,12 € |
| 110 | 117,60 € | 3020 | 27,12 € | 51,57 € | 341,01 € |
| 120 | 156,90 € | 3525**/3020* | 37,45 € | 66,78 € | 455,48 € |
| 140 | 246,09 € | 3525 | 37,45 € | 81,72 € | 648,80 € |
| 160 | 354,60 € | 4030 | 52,93 € | 98,62 € | 913,68 € |
| 180 | 567,90 € | 4535 | 69,39 € | 172,62 € | 1.447,20 € |
| 200 | 579,60 € | 4535 | 69,39 € | 278,28 € | 1.576,26 € |
| 220 | 835,40 € | 5040 | 88,86 € | 338,85 € | 2.187,37 € |
| H | Le moyeu se fixe par l'extérieur | F | Le moyeu se fixe par l'intérieur | | |
| H | The hub is fixed by the outside | F | The hub is fixed by the inside | | |
| H | Klembus is bevestigd aan de buitenkant | F | Klembus is bevestigd aan de binnenkant | | |

* = H

** = F

**Ces accouplements élastiques à pneu existent aussi en version préalésée.
 Deze elastische bandkoppelingen bestaan ook met voorborbing.**

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Tyre Coupling Selection

Table 1, Service Factors

| Special cases For applications where shock, vibration and torque fluctuations occur – consult Challenge | Type of prime mover | | | | | |
|--|---|-------------------|------------|-----------------------------|-------------------|------------|
| | 'Soft' Starts | | | 'Heavy' Starts | | |
| | Electric motors and other smooth running prime movers | | | Internal Combustion Engines | | |
| | Number of hours per day running | | | | | |
| Type of driven machine | 10 and under | over 10 - 16 incl | over 16 | 10 and under | over 10 - 16 incl | over 16 |
| Uniform load Light duty agitators, belt conveyors for sand etc., fans upto 7.5 kW, centrifugal compressors and pumps, | 0.8 | 0.9 | 1.0 | 1.3 | 1.4 | 1.5 |
| Moderate load Variable density agitators, belt conveyors (non-uniform loads), fans over 7.5 kW, other rotary compressors and pumps, generators, machine tools, printing machinery, laundry machinery, rotary screens, rotary woodworking machinery | 1.3 | 1.4 | 1.5 | 1.8 | 1.9 | 2.0 |
| Heavy load Reciprocating compressors and pumps, positive displacement blowers, heavy duty conveyors such as screw, bucket etc., hammer mills, pulverisers, presses, shears, punches, rubber machinery | 1.8 | 1.9 | 2.0 | 2.3 | 2.4 | 2.5 |
| Severe load Crushers – gyratory, jaw, roll etc., rolling mills, calenders, quarry machinery, vibrating screens | 2.3 | 2.4 | 2.5 | 2.8 | 2.9 | 3.0 |

Table 2, Power Ratings (kW)

| Rotational speed in rev/min | FFX 40 | FFX 50 | FFX 60 | FFX 70 | FFX 80 | FFX 90 | FFX 100 | FFX 110 | FFX 120 | FFX 140 | FFX 160 | FFX 180 | FFX 200 | FFX 220 | FFX 250 |
|-----------------------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 100 | 0.28 | 0.87 | 1.58 | 2.59 | 4.06 | 5.16 | 6.83 | 9.09 | 14.2 | 26.7 | 41.8 | 65.4 | 96.8 | 120 | 154 |
| 500 | 1.41 | 4.36 | 7.88 | 12.9 | 20.2 | 25.7 | 34.1 | 45.4 | 71.4 | 134 | 209 | 327 | 484 | 601 | 767 |
| 700 | 1.97 | 6.10 | 11.0 | 18.1 | 28.4 | 36.0 | 47.7 | 63.6 | 99.8 | 187 | 292 | 458 | 678 | 842 | 1074 |
| 720 | 2.02 | 6.26 | 11.3 | 18.6 | 29.2 | 37.1 | 49.1 | 65.4 | 103 | 192 | 301 | 471 | 697 | 866 | 1104 |
| 800 | 2.25 | 6.97 | 12.5 | 20.7 | 32.4 | 41.2 | 54.5 | 72.3 | 114 | 214 | 334 | 523 | 775 | 962 | 1227 |
| 900 | 2.53 | 7.84 | 14.1 | 23.3 | 36.5 | 46.3 | 61.4 | 81.8 | 128 | 241 | 376 | 589 | 872 | 1082 | 1380 |
| 960 | 2.69 | 8.36 | 15.1 | 24.8 | 38.9 | 49.4 | 65.5 | 87.3 | 137 | 257 | 401 | 628 | 929 | 1154 | 1472 |
| 1000 | 2.81 | 8.71 | 15.7 | 25.9 | 40.6 | 51.5 | 68.2 | 90.9 | 143 | 267 | 419 | 655 | 968 | 1203 | 1534 |
| 1200 | 3.37 | 10.4 | 18.9 | 31.0 | 48.6 | 61.8 | 81.8 | 109 | 171 | 321 | 502 | 785 | 1162 | - | - |
| 1400 | 3.93 | 12.2 | 22.0 | 36.2 | 56.8 | 72.1 | 95.5 | 127 | 200 | 375 | 585 | 916 | - | - | - |
| 1440 | 4.04 | 12.5 | 22.6 | 37.2 | 58.4 | 74.2 | 98.3 | 131 | 206 | 385 | 602 | 942 | - | - | - |
| 1500 | 4.21 | 13.0 | 23.6 | 38.8 | 60.9 | 77.3 | 102 | 136 | 214 | 401 | 627 | 982 | - | - | - |
| 1800 | 5.05 | 15.6 | 28.3 | 46.5 | 73.0 | 92.7 | 123 | 164 | 257 | 481 | - | - | - | - | - |
| 2000 | 5.62 | 17.4 | 31.5 | 51.8 | 81.1 | 103 | 136 | 182 | 286 | - | - | - | - | - | - |
| 2500 | 7.02 | 21.7 | 39.3 | 64.7 | 102 | 129 | 145 | - | - | - | - | - | - | - | - |
| 2880 | 8.08 | 25.0 | 45.3 | 74.5 | 117 | 149 | - | - | - | - | - | - | - | - | - |
| 3000 | 8.42 | 26.1 | 47.2 | 77.6 | 122 | 155 | - | - | - | - | - | - | - | - | - |
| 3500 | 9.82 | 30.4 | 55.1 | 90.6 | - | - | - | - | - | - | - | - | - | - | - |
| 4000 | 11.2 | 34.8 | 63.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4500 | 12.6 | 39.1 | - | - | - | - | - | - | - | - | - | - | - | - | - |

All power ratings are constant torque
Interpolate for speeds not listed

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FFX Tyre Couplings

FFX Tyre Coupling Data

| Coupling Size | Bush Size | Max Bore | | Pilot Bore | A | B | C | M * | Types F & H | | Type B | | Weight# kg |
|---------------|-----------|----------|--------|------------|-----|-----|-------|------|-------------|------|--------|------|------------|
| | | Metric | Inch | | | | | | F | D | F | D | |
| 040B | - | 32 | - | 12 | 104 | - | 82 | 11.0 | - | - | 33 | 22 | 0.84 |
| 040F | 1008 | 25 | 1" | - | 104 | - | 82 | 11.0 | 33.0 | 22 | - | - | 0.84 |
| 040H | 1008 | 25 | 1" | - | 104 | - | 82 | 11.0 | 33.0 | 22 | - | - | 0.84 |
| 050B | - | 38 | - | 15 | 133 | 79 | 100 | 12.5 | - | - | 45 | 32.5 | 1.26 |
| 050F | 1210 | 32 | 1.1/4" | - | 133 | 79 | 100 | 12.5 | 37.5 | 25 | - | - | 1.26 |
| 050H | 1210 | 32 | 1.1/4" | - | 133 | 79 | 100 | 12.5 | 37.5 | 25 | - | - | 1.26 |
| 060B | - | 45 | - | 18 | 165 | 103 | 124.5 | 16.5 | - | - | 55 | 38.5 | 2.10 |
| 060F | 1610 | 42 | 1.5/8" | - | 165 | 103 | 124.5 | 16.5 | 41.5 | 25 | - | - | 2.10 |
| 060H | 1610 | 42 | 1.5/8" | - | 165 | 103 | 124.5 | 16.5 | 41.5 | 25 | - | - | 2.10 |
| 070B | - | 50 | - | 22 | 187 | 80 | 142 | 11.5 | - | - | 46.5 | 35 | 3.26 |
| 070F | 2012 | 50 | 2" | - | 187 | 80 | 142 | 11.5 | 44.5 | 33 | - | - | 3.26 |
| 070H | 1610 | 42 | 1.5/8" | - | 187 | 80 | 142 | 11.5 | 42.5 | 31 | - | - | 3.15 |
| 080B | - | 60 | - | 25 | 211 | 98 | 165 | 12.5 | - | - | 55 | 42.5 | 5.15 |
| 080F | 2517 | 65 | 2.1/2" | - | 211 | 98 | 165 | 12.5 | 58.5 | 46 | - | - | 5.15 |
| 080H | 2012 | 50 | 2" | - | 211 | 98 | 165 | 12.5 | 45.5 | 33 | - | - | 4.83 |
| 090B | - | 70 | - | 28 | 235 | 108 | 187 | 13.5 | - | - | 63.5 | 50 | 7.46 |
| 090F | 2517 | 65 | 2.1/2" | - | 235 | 108 | 187 | 13.5 | 59.5 | 46 | - | - | 7.35 |
| 090H | 2517 | 65 | 2.1/2" | - | 235 | 108 | 187 | 13.5 | 59.5 | 46 | - | - | 7.35 |
| 100B | - | 80 | - | 32 | 254 | 120 | 214 | 13.5 | - | - | 70.5 | 57 | 10.4 |
| 100F | 3020 | 75 | 3" | - | 254 | 120 | 214 | 13.5 | 65.5 | 52 | - | - | 10.4 |
| 100H | 2517 | 65 | 2.1/2" | - | 254 | 120 | 214 | 13.5 | 59.5 | 46 | - | - | 9.87 |
| 110B | - | 90 | - | 30 | 279 | 134 | 232 | 12.5 | - | - | 70.5 | 58 | 13.1 |
| 110F | 3020 | 75 | 3" | - | 279 | 134 | 232 | 12.5 | 64.5 | 52 | - | - | 12.3 |
| 110H | 3020 | 75 | 3" | - | 279 | 134 | 232 | 12.5 | 64.5 | 52 | - | - | 12.3 |
| 120B | - | 100 | - | 38 | 314 | 143 | 262 | 14.5 | - | - | 84.5 | 70 | 17.7 |
| 120F | 3525 | 100 | 4" | - | 314 | 140 | 262 | 14.5 | 80.5 | 66 | - | - | 17.3 |
| 120H | 3020 | 75 | 3" | - | 314 | 140 | 262 | 14.5 | 66.5 | 52 | - | - | 16.7 |
| 140B | - | 130 | - | 75 | 359 | 178 | 313 | 16.0 | - | - | 110 | 94 | 23.3 |
| 140F | 3525 | 100 | 4" | - | 359 | 178 | 313 | 16.0 | 82.0 | 66 | - | - | 23.4 |
| 140H | 3525 | 100 | 4" | - | 359 | 178 | 313 | 16.0 | 82.0 | 66 | - | - | 23.4 |
| 160B | - | 140 | - | 75 | 402 | 197 | 347 | 15.0 | - | - | 117 | 102 | 37.6 |
| 160F | 4030 | 115 | 4.1/2" | - | 402 | 197 | 347 | 15.0 | 92.4 | 77.4 | - | - | 34.1 |
| 160H | 4030 | 115 | 4.1/2" | - | 402 | 197 | 347 | 15.0 | 92.4 | 77.4 | - | - | 34.1 |
| 180B | - | 150 | - | 75 | 470 | 205 | 396 | 23.0 | - | - | 137 | 114 | 51.6 |
| 180F | 4535 | 125 | 5" | - | 470 | 205 | 396 | 23.0 | 112.0 | 89 | - | - | 44.3 |
| 180H | 4535 | 125 | 5" | - | 470 | 205 | 396 | 23.0 | 112.0 | 89 | - | - | 44.3 |
| 200B | - | 150 | - | 85 | 508 | 206 | 433 | 24.0 | - | - | 138 | 114 | 61.1 |
| 200F | 4535 | 125 | 5" | - | 508 | 206 | 433 | 24.0 | 113.0 | 89 | - | - | 56.3 |
| 200H | 4535 | 125 | 5" | - | 508 | 206 | 433 | 24.0 | 113.0 | 89 | - | - | 56.3 |
| 220B | - | 160 | - | 85 | 562 | 224 | 472 | 27.5 | - | - | 154.5 | 127 | 83.6 |
| 220F | 5040 | 125 | 5" | - | 562 | 224 | 472 | 27.5 | 129.5 | 102 | - | - | 75.6 |
| 220H | 5040 | 125 | 5" | - | 562 | 224 | 472 | 27.5 | 129.5 | 102 | - | - | 75.6 |
| 250B | - | 190 | - | 88 | 628 | 254 | 532 | 28.5 | - | - | 160.5 | 132 | 109.0 |
| 250F | 5040 | 125 | 5" | - | 628 | 254 | 532 | 28.5 | 155.5 | 127 | - | - | 106.0 |
| 250H | 5040 | 125 | 5" | - | 628 | 254 | 532 | 28.5 | 155.5 | 127 | - | - | 106.0 |

Notes

= Is the weight for a half coupling.

NB. All flexible tyres have an angular misalignment capacity up to 4°

* = M is half the distance between flange faces

Fire resistant and anti static (FRAS) tyres are available

standard tyres are manufactured from natural rubber with an operating temperature span between -50°C and +50°C.

FRAS tyres are manufactured from chloroprene rubber and have an operating temperature span between -15°C and +70°C

All FFX Flanges up to size 180 are produced from forged C45 steel. From size 200 upwards are produced from GGG.

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