

## FENAFLEX KYTKIMET

## Tärinänkestävä

FF180GF

Fenaflex kumielementti FRAS + ATEX



- Helppo ja nopea asennus.
- max 4 ° kulmapoikkeama, 6 mm radiaalinen- ja 8 mm aksiaalinsiirtymä.
- Kumielementit saatavana FRAS ja ATEX-hyväksynnällä.
- Saatavana esiporattulla tai taperlock kiinnityksellä.
- Kunnonvalvonta helppo toteuttaa

## TUOTEKUVAUS

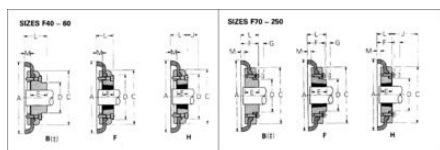
Fenaflex on joustava kytkin joka kestää suuria radiaalisia- ja aksiaalisia siirtymiä. Kytkin kestää suuret kulmapoikkeamat akseleissa. Asennus on kytkimen rakenteen vuoksi helppoa ja kunnossapidossa kytkinelementin vaihto on helppo ja nopea. Kumielementit saatavana myöskin FRAS (Fire Resistant Anti Static) ja ATEX hyväksynnällä.

Kytkimen rakenne kestää myös tärinää.

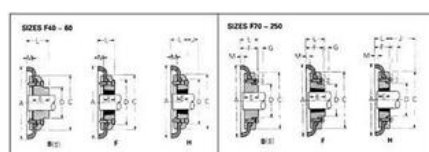
## TEKNISET TIEDOT

**TIEDOT**

|             |        |
|-------------|--------|
| <b>A</b>    | 470 mm |
| <b>Koko</b> | 180    |

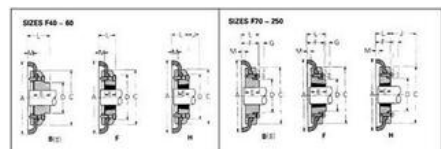


|       |        | Coating Size |       |       |       |       |       |       |       |      |       |       |       |       |       |       |
|-------|--------|--------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Speed |        | F40          | F50   | F60   | F70   | F80   | F90   | F100  | F110  | F120 | F140  | F160  | F180  | F200  | F220  | F240  |
| 100   | mm/min | 0.28         | 0.36  | 0.53  | 0.62  | 0.73  | 0.83  | 0.91  | 9.16  | 13.3 | 24.3  | 35.3  | 46.7  | 59.1  | 72.0  | 85.4  |
| 200   |        | 0.50         | 0.58  | 0.76  | 0.84  | 0.95  | 1.00  | 14.30 | 20.9  | 48.7 | 79.0  | 110.0 | 136.0 | 162.0 | 187.0 | 212.0 |
| 300   |        | 0.75         | 0.87  | 1.07  | 1.16  | 1.29  | 1.35  | 21.00 | 27.5  | 64.0 | 93.0  | 118.0 | 147.0 | 176.0 | 203.0 | 226.0 |
| 400   |        | 0.90         | 1.00  | 1.20  | 1.28  | 1.40  | 1.45  | 24.00 | 30.0  | 70.0 | 100.0 | 125.0 | 155.0 | 184.0 | 210.0 | 232.0 |
| 500   |        | 1.26         | 1.36  | 1.65  | 1.73  | 1.86  | 1.90  | 26.00 | 32.0  | 65.0 | 95.0  | 120.0 | 150.0 | 180.0 | 205.0 | 227.0 |
| 600   |        | 1.50         | 1.60  | 1.90  | 2.00  | 2.10  | 2.15  | 28.00 | 34.0  | 68.0 | 98.0  | 123.0 | 153.0 | 183.0 | 208.0 | 230.0 |
| 700   |        | 1.76         | 1.84  | 2.20  | 2.30  | 2.40  | 2.45  | 30.00 | 36.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 800   |        | 1.81         | 1.90  | 2.26  | 2.36  | 2.46  | 2.50  | 30.00 | 36.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 900   |        | 2.01         | 2.15  | 2.50  | 2.60  | 2.70  | 2.75  | 31.00 | 37.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1000  |        | 2.20         | 2.35  | 2.70  | 2.80  | 2.90  | 2.95  | 32.00 | 38.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1100  |        | 2.41         | 2.61  | 3.00  | 3.10  | 3.20  | 3.25  | 33.00 | 39.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1200  |        | 2.60         | 2.80  | 3.20  | 3.30  | 3.40  | 3.45  | 34.00 | 40.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1300  |        | 3.00         | 3.20  | 3.60  | 3.70  | 3.80  | 3.85  | 35.00 | 41.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1400  |        | 3.32         | 3.50  | 3.90  | 4.00  | 4.10  | 4.15  | 36.00 | 42.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1500  |        | 3.62         | 3.80  | 4.20  | 4.30  | 4.40  | 4.45  | 37.00 | 43.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1600  |        | 3.82         | 4.00  | 4.40  | 4.50  | 4.60  | 4.65  | 38.00 | 44.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1700  |        | 4.02         | 4.20  | 4.60  | 4.70  | 4.80  | 4.85  | 39.00 | 45.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1800  |        | 4.22         | 4.40  | 4.80  | 4.90  | 5.00  | 5.05  | 40.00 | 46.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 1900  |        | 4.50         | 4.70  | 5.10  | 5.20  | 5.30  | 5.35  | 41.00 | 47.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2000  |        | 5.00         | 5.30  | 5.60  | 5.70  | 5.80  | 5.85  | 42.00 | 48.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2100  |        | 5.50         | 5.80  | 6.10  | 6.20  | 6.30  | 6.35  | 43.00 | 49.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2200  |        | 6.00         | 6.30  | 6.60  | 6.70  | 6.80  | 6.85  | 44.00 | 50.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2300  |        | 6.50         | 6.80  | 7.10  | 7.20  | 7.30  | 7.35  | 45.00 | 51.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2400  |        | 7.00         | 7.30  | 7.60  | 7.70  | 7.80  | 7.85  | 46.00 | 52.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2500  |        | 7.50         | 7.80  | 8.10  | 8.20  | 8.30  | 8.35  | 47.00 | 53.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2600  |        | 7.94         | 8.20  | 8.50  | 8.60  | 8.70  | 8.75  | 48.00 | 54.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2700  |        | 8.38         | 8.60  | 8.90  | 9.00  | 9.10  | 9.15  | 49.00 | 55.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2800  |        | 8.82         | 9.00  | 9.30  | 9.40  | 9.50  | 9.55  | 50.00 | 56.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 2900  |        | 9.26         | 9.40  | 9.70  | 9.80  | 9.90  | 9.95  | 51.00 | 57.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3000  |        | 9.70         | 9.90  | 10.20 | 10.30 | 10.40 | 10.45 | 52.00 | 58.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3100  |        | 10.14        | 10.30 | 10.60 | 10.70 | 10.80 | 10.85 | 53.00 | 59.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3200  |        | 10.58        | 10.70 | 11.00 | 11.10 | 11.20 | 11.25 | 54.00 | 60.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3300  |        | 11.02        | 11.10 | 11.40 | 11.50 | 11.60 | 11.65 | 55.00 | 61.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3400  |        | 11.46        | 11.50 | 11.80 | 11.90 | 12.00 | 12.05 | 56.00 | 62.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3500  |        | 11.90        | 11.90 | 12.20 | 12.30 | 12.40 | 12.45 | 57.00 | 63.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3600  |        | 12.34        | 12.30 | 12.60 | 12.70 | 12.80 | 12.85 | 58.00 | 64.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3700  |        | 12.78        | 12.70 | 13.00 | 13.10 | 13.20 | 13.25 | 59.00 | 65.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3800  |        | 13.22        | 13.10 | 13.40 | 13.50 | 13.60 | 13.65 | 60.00 | 66.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 3900  |        | 13.66        | 13.50 | 13.80 | 13.90 | 14.00 | 14.05 | 61.00 | 67.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4000  |        | 14.10        | 13.90 | 14.20 | 14.30 | 14.40 | 14.45 | 62.00 | 68.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4100  |        | 14.54        | 14.30 | 14.60 | 14.70 | 14.80 | 14.85 | 63.00 | 69.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4200  |        | 14.98        | 14.70 | 15.00 | 15.10 | 15.20 | 15.25 | 64.00 | 70.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4300  |        | 15.42        | 15.10 | 15.40 | 15.50 | 15.60 | 15.65 | 65.00 | 71.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4400  |        | 15.86        | 15.50 | 15.80 | 15.90 | 16.00 | 16.05 | 66.00 | 72.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4500  |        | 16.30        | 15.90 | 16.20 | 16.30 | 16.40 | 16.45 | 67.00 | 73.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4600  |        | 16.74        | 16.30 | 16.60 | 16.70 | 16.80 | 16.85 | 68.00 | 74.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4700  |        | 17.18        | 16.70 | 17.00 | 17.10 | 17.20 | 17.25 | 69.00 | 75.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4800  |        | 17.62        | 17.10 | 17.40 | 17.50 | 17.60 | 17.65 | 70.00 | 76.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 4900  |        | 18.06        | 17.50 | 17.80 | 17.90 | 18.00 | 18.05 | 71.00 | 77.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5000  |        | 18.50        | 17.90 | 18.20 | 18.30 | 18.40 | 18.45 | 72.00 | 78.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5100  |        | 18.94        | 18.30 | 18.60 | 18.70 | 18.80 | 18.85 | 73.00 | 79.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5200  |        | 19.38        | 18.70 | 19.00 | 19.10 | 19.20 | 19.25 | 74.00 | 80.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5300  |        | 19.82        | 19.10 | 19.40 | 19.50 | 19.60 | 19.65 | 75.00 | 81.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5400  |        | 20.26        | 19.50 | 19.80 | 19.90 | 20.00 | 20.05 | 76.00 | 82.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5500  |        | 20.70        | 19.90 | 20.20 | 20.30 | 20.40 | 20.45 | 77.00 | 83.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5600  |        | 21.14        | 20.30 | 20.60 | 20.70 | 20.80 | 20.85 | 78.00 | 84.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5700  |        | 21.58        | 20.70 | 21.00 | 21.10 | 21.20 | 21.25 | 79.00 | 85.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5800  |        | 22.02        | 21.10 | 21.40 | 21.50 | 21.60 | 21.65 | 80.00 | 86.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 5900  |        | 22.46        | 21.50 | 21.80 | 21.90 | 22.00 | 22.05 | 81.00 | 87.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6000  |        | 22.90        | 21.90 | 22.20 | 22.30 | 22.40 | 22.45 | 82.00 | 88.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6100  |        | 23.34        | 22.30 | 22.60 | 22.70 | 22.80 | 22.85 | 83.00 | 89.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6200  |        | 23.78        | 22.70 | 23.00 | 23.10 | 23.20 | 23.25 | 84.00 | 90.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6300  |        | 24.22        | 23.10 | 23.40 | 23.50 | 23.60 | 23.65 | 85.00 | 91.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6400  |        | 24.66        | 23.50 | 23.80 | 23.90 | 24.00 | 24.05 | 86.00 | 92.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6500  |        | 25.10        | 23.90 | 24.20 | 24.30 | 24.40 | 24.45 | 87.00 | 93.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6600  |        | 25.54        | 24.30 | 24.60 | 24.70 | 24.80 | 24.85 | 88.00 | 94.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6700  |        | 25.98        | 24.70 | 25.00 | 25.10 | 25.20 | 25.25 | 89.00 | 95.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6800  |        | 26.42        | 25.10 | 25.40 | 25.50 | 25.60 | 25.65 | 90.00 | 96.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 6900  |        | 26.86        | 25.50 | 25.80 | 25.90 | 26.00 | 26.05 | 91.00 | 97.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7000  |        | 27.30        | 25.90 | 26.20 | 26.30 | 26.40 | 26.45 | 92.00 | 98.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7100  |        | 27.74        | 26.30 | 26.60 | 26.70 | 26.80 | 26.85 | 93.00 | 99.0  | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7200  |        | 28.18        | 26.70 | 27.00 | 27.10 | 27.20 | 27.25 | 94.00 | 100.0 | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7300  |        | 28.62        | 27.10 | 27.40 | 27.50 | 27.60 | 27.65 | 95.00 | 101.0 | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7400  |        | 29.06        | 27.50 | 27.80 | 27.90 | 28.00 | 28.05 | 96.00 | 102.0 | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7500  |        | 29.50        | 27.90 | 28.20 | 28.30 | 28.40 | 28.45 | 97.00 | 103.0 | 70.0 | 100.0 | 125.0 | 155.0 | 185.0 | 210.0 | 232.0 |
| 7600  |        | 29.94        | 28.30 | 28.60 |       |       |       |       |       |      |       |       |       |       |       |       |



DIMENSIONS OF RENAFLEX PLANCES TYPES B, F & H

[illegible]



|             |             |              |              |              |               |               |        |        |
|-------------|-------------|--------------|--------------|--------------|---------------|---------------|--------|--------|
| 2200        | 5.53        | 15.20        | 21.00        | 57.60        | 86.40         | 115.00        | 155.00 | 202.00 |
| 2400        | 6.03        | 16.60        | 31.60        | 62.80        | 94.20         | 126.00        | 170.00 |        |
| 2600        | 6.53        | 18.00        | 36.00        | 68.10        | 102.00        | 136.00        | 184.00 |        |
| 2800        | 7.04        | 19.40        | 37.20        | 73.30        | 110.00        | 147.00        |        |        |
| <b>2880</b> | <b>7.24</b> | <b>19.90</b> | <b>38.30</b> | <b>75.60</b> | <b>113.00</b> | <b>151.00</b> |        |        |
| 3000        | 7.54        | 20.70        | 39.90        | 78.50        | 118.00        | 157.00        |        |        |
| 3600        | 9.05        | 24.90        | 47.90        | 94.20        |               |               |        |        |

The figures in heavier type are for standard motor speeds. All these power ratings are calculated at constant torque. For speeds below 100 rev/min and intermediate speed use nominal torque ratings.