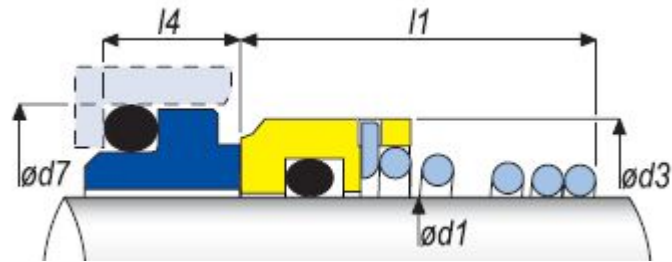


## Type 22

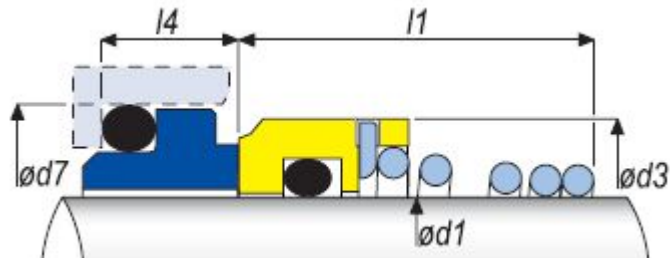


| d1      |        | d3     |        | d7     |        | l1     |        | l4     |        |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Metric  | Inches | Metric | Inches | Metric | Inches | Metric | Inches | Metric | Inches |
| 10.0    | 0.394  | 19.0   | 0.748  | 18.1   | 0.713  | 15.0   | 0.591  | 5.5    | 0.217  |
| 11.0    | 0.433  | 20.0   | 0.787  | 20.6   | 0.811  | 18.0   | 0.709  | 5.5    | 0.217  |
| 12.0    | 0.472  | 21.0   | 0.827  | 20.6   | 0.811  | 18.0   | 0.709  | 5.5    | 0.217  |
| 13.0    | 0.512  | 23.0   | 0.906  | 23.1   | 0.909  | 22.0   | 0.866  | 6.0    | 0.236  |
| 14.0    | 0.551  | 23.0   | 0.906  | 23.1   | 0.909  | 22.0   | 0.866  | 6.0    | 0.236  |
| 15.0    | 0.591  | 24.0   | 0.945  | 26.9   | 1.059  | 22.0   | 0.866  | 7.0    | 0.276  |
| 16.0    | 0.630  | 26.0   | 1.024  | 26.9   | 1.059  | 23.0   | 0.906  | 7.0    | 0.276  |
| 18.0    | 0.709  | 29.0   | 1.142  | 30.9   | 1.217  | 24.0   | 0.945  | 8.0    | 0.315  |
| 19.0    | 0.748  | 31.0   | 1.220  | 30.9   | 1.217  | 25.0   | 0.984  | 8.0    | 0.315  |
| 20.0    | 0.787  | 31.0   | 1.220  | 30.9   | 1.217  | 25.0   | 0.984  | 8.0    | 0.315  |
| 21.0    | 0.827  | 33.0   | 1.299  | 35.4   | 1.394  | 25.0   | 0.984  | 8.0    | 0.315  |
| 22.0    | 0.866  | 33.0   | 1.299  | 35.4   | 1.394  | 25.0   | 0.984  | 8.0    | 0.315  |
| 23.0    | 0.906  | 35.0   | 1.378  | 35.4   | 1.394  | 27.0   | 1.063  | 8.0    | 0.315  |
| 24.0    | 0.945  | 35.0   | 1.378  | 35.4   | 1.394  | 27.0   | 1.063  | 8.0    | 0.315  |
| 25.0    | 0.984  | 36.0   | 1.417  | 38.2   | 1.504  | 27.0   | 1.063  | 8.5    | 0.335  |
| 26.0    | 1.024  | 36.0   | 1.417  | 38.2   | 1.504  | 27.0   | 1.063  | 8.5    | 0.335  |
| 28.0    | 1.102  | 40.0   | 1.575  | 43.3   | 1.705  | 29.0   | 1.142  | 9.0    | 0.354  |
| 30.0    | 1.181  | 43.0   | 1.693  | 43.3   | 1.705  | 30.0   | 1.181  | 9.0    | 0.354  |
| 32.0    | 1.260  | 46.0   | 1.811  | 43.3   | 1.705  | 30.0   | 1.181  | 9.0    | 0.354  |
| 33.0    | 1.299  | 46.0   | 1.811  | 53.5   | 2.106  | 39.0   | 1.535  | 11.5   | 0.453  |
| 34.0    | 1.339  | 49.0   | 1.929  | 53.5   | 2.106  | 39.0   | 1.535  | 11.5   | 0.453  |
| 35.0    | 1.378  | 49.0   | 1.929  | 53.5   | 2.106  | 39.0   | 1.535  | 11.5   | 0.453  |
| 36.0    | 1.417  | 49.0   | 1.929  | 53.5   | 2.106  | 39.0   | 1.535  | 11.5   | 0.453  |
| 38.0    | 1.496  | 53.0   | 2.087  | 60.5   | 2.382  | 39.0   | 1.535  | 11.5   | 0.453  |
| 38.0(B) | 1.496  | 53.0   | 2.087  | 53.5   | 2.106  | 39.0   | 1.535  | 10.0   | 0.394  |
| 40.0    | 1.575  | 56.0   | 2.205  | 60.5   | 2.382  | 39.0   | 1.535  | 11.5   | 0.453  |
| 42.0    | 1.654  | 59.0   | 2.323  | 60.5   | 2.382  | 39.0   | 1.535  | 11.5   | 0.453  |
| 43.0    | 1.693  | 59.0   | 2.323  | 60.5   | 2.382  | 39.0   | 1.535  | 11.5   | 0.453  |
| 44.0    | 1.732  | 61.0   | 2.402  | 65.5   | 2.579  | 41.0   | 1.614  | 11.5   | 0.453  |
| 45.0    | 1.772  | 61.0   | 2.402  | 65.5   | 2.579  | 41.0   | 1.614  | 11.5   | 0.453  |
| 48.0    | 1.890  | 64.0   | 2.520  | 65.5   | 2.579  | 41.0   | 1.614  | 11.5   | 0.453  |
| 50.0    | 1.969  | 66.0   | 2.598  | 72.5   | 2.854  | 45.0   | 1.772  | 11.5   | 0.453  |
| 55.0    | 2.165  | 71.0   | 2.795  | 72.5   | 2.854  | 47.0   | 1.850  | 11.5   | 0.453  |
| 60.0    | 2.362  | 78.0   | 3.071  | 79.3   | 3.122  | 49.0   | 1.929  | 11.5   | 0.453  |
| 65.0    | 2.559  | 84.0   | 3.307  | 84.5   | 3.327  | 51.0   | 2.008  | 11.5   | 0.453  |
| 70.0    | 2.756  | 89.7   | 3.533  | 89.5   | 3.524  | 51.0   | 2.008  | 11.5   | 0.453  |
| 75.0    | 2.953  | 98.0   | 3.858  | 94.5   | 3.720  | 57.0   | 2.244  | 11.5   | 0.453  |
| 80.0    | 3.150  | 100.0  | 3.937  | 99.5   | 3.917  | 59.0   | 2.323  | 11.5   | 0.453  |
| 85.0    | 3.346  | 107.5  | 4.232  | 105.5  | 4.154  | 59.0   | 2.323  | 13.5   | 0.531  |
| 90.0    | 3.543  | 111.0  | 4.370  | 111.5  | 4.390  | 62.0   | 2.441  | 13.5   | 0.531  |
| 95.0    | 3.740  | 119.0  | 4.685  | 116.5  | 4.587  | 62.0   | 2.441  | 13.5   | 0.531  |
| 100.0   | 3.937  | 124.0  | 4.882  | 119.5  | 4.705  | 75.0   | 2.953  | 13.5   | 0.531  |

Rotary Face : **Stainless**  
 Stationary Face: **Carbon**  
 Elastomer : **NBR , Viton**

Speed : 15 m/s  
 Pressure : 160psi  
 Temp: -40 to 180 C

## Type 22DIN



| d1     |        | d3     |        | d7     |        | l1     |        | l4     |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Metric | Inches | Metric | Inches | Metric | Inches | Metric | Inches | Metric | Inches |
| 10.0   | 0.394  | 19.0   | 0.748  | 21.0   | 0.827  | 15.0   | 0.591  | 7.0    | 0.276  |
| 12.0   | 0.472  | 21.0   | 0.827  | 23.0   | 0.906  | 18.0   | 0.709  | 7.0    | 0.276  |
| 14.0   | 0.551  | 23.0   | 0.906  | 25.0   | 0.984  | 22.0   | 0.866  | 7.0    | 0.276  |
| 16.0   | 0.630  | 26.0   | 1.024  | 27.0   | 1.063  | 23.0   | 0.906  | 7.0    | 0.276  |
| 18.0   | 0.709  | 29.0   | 1.142  | 33.0   | 1.299  | 24.0   | 0.945  | 10.0   | 0.394  |
| 20.0   | 0.787  | 31.0   | 1.220  | 35.0   | 1.378  | 25.0   | 0.984  | 10.0   | 0.394  |
| 22.0   | 0.866  | 33.0   | 1.299  | 37.0   | 1.457  | 25.0   | 0.984  | 10.0   | 0.394  |
| 24.0   | 0.945  | 35.0   | 1.378  | 39.0   | 1.535  | 27.0   | 1.063  | 10.0   | 0.394  |
| 25.0   | 0.984  | 36.0   | 1.417  | 40.0   | 1.575  | 27.0   | 1.063  | 10.0   | 0.394  |
| 28.0   | 1.102  | 40.0   | 1.575  | 43.0   | 1.693  | 29.0   | 1.142  | 10.0   | 0.394  |
| 30.0   | 1.181  | 43.0   | 1.693  | 45.0   | 1.772  | 30.0   | 1.181  | 10.0   | 0.394  |
| 32.0   | 1.260  | 46.0   | 1.811  | 48.0   | 1.890  | 30.0   | 1.181  | 10.0   | 0.394  |
| 33.0   | 1.299  | 46.0   | 1.811  | 48.0   | 1.890  | 39.0   | 1.535  | 10.0   | 0.394  |
| 35.0   | 1.378  | 49.0   | 1.929  | 50.0   | 1.969  | 39.0   | 1.535  | 10.0   | 0.394  |
| 38.0   | 1.496  | 53.0   | 2.087  | 56.0   | 2.205  | 42.0   | 1.654  | 13.0   | 0.512  |
| 40.0   | 1.575  | 56.0   | 2.205  | 58.0   | 2.283  | 42.0   | 1.654  | 13.0   | 0.512  |
| 43.0   | 1.693  | 59.0   | 2.323  | 61.0   | 2.402  | 47.0   | 1.850  | 13.0   | 0.512  |
| 45.0   | 1.772  | 61.0   | 2.402  | 63.0   | 2.480  | 47.0   | 1.850  | 13.0   | 0.512  |
| 48.0   | 1.890  | 64.0   | 2.520  | 66.0   | 2.598  | 47.0   | 1.850  | 13.0   | 0.512  |
| 50.0   | 1.969  | 66.0   | 2.598  | 70.0   | 2.756  | 46.0   | 1.811  | 14.0   | 0.551  |
| 53.0   | 2.087  | 69.0   | 2.717  | 73.0   | 2.874  | 56.0   | 2.205  | 14.0   | 0.551  |
| 55.0   | 2.165  | 71.0   | 2.795  | 75.0   | 2.953  | 56.0   | 2.205  | 14.0   | 0.551  |
| 58.0   | 2.283  | 76.0   | 2.992  | 78.0   | 3.071  | 56.0   | 2.205  | 14.0   | 0.551  |
| 60.0   | 2.362  | 78.0   | 3.071  | 80.0   | 3.150  | 56.0   | 2.205  | 14.0   | 0.551  |
| 63.0   | 2.480  | 81.0   | 3.189  | 83.0   | 3.268  | 56.0   | 2.205  | 14.0   | 0.551  |
| 65.0   | 2.559  | 84.0   | 3.307  | 85.0   | 3.346  | 66.0   | 2.598  | 14.0   | 0.551  |
| 68.0   | 2.677  | 87.0   | 3.425  | 90.0   | 3.543  | 64.0   | 2.520  | 16.0   | 0.630  |
| 70.0   | 2.756  | 89.0   | 3.528  | 92.0   | 3.622  | 64.0   | 2.520  | 16.0   | 0.630  |
| 75.0   | 2.953  | 98.0   | 3.858  | 97.0   | 3.819  | 64.0   | 2.520  | 16.0   | 0.630  |
| 80.0   | 3.150  | 100.0  | 3.937  | 105.0  | 4.134  | 72.0   | 2.835  | 18.0   | 0.709  |
| 85.0   | 3.346  | 107.5  | 4.232  | 110.0  | 4.331  | 72.0   | 2.835  | 18.0   | 0.709  |
| 90.0   | 3.543  | 111.0  | 4.370  | 115.0  | 4.528  | 72.0   | 2.835  | 18.0   | 0.709  |
| 95.0   | 3.740  | 119.0  | 4.685  | 120.0  | 4.724  | 72.0   | 2.835  | 18.0   | 0.709  |
| 100.0  | 3.937  | 123.8  | 4.874  | 125.0  | 4.921  | 72.0   | 2.835  | 18.0   | 0.709  |

Rotary Face : **Stainless**  
 Stationary Face: **Carbon**  
 Elastomer : **NBR , Viton**

Speed : 15 m/s  
 Pressure : 160psi  
 Temp:-40 to 180 C