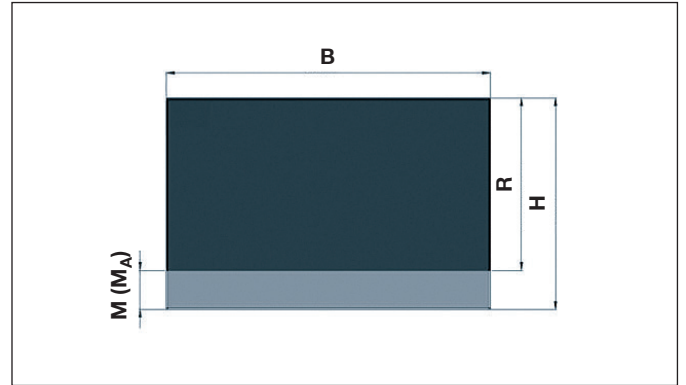
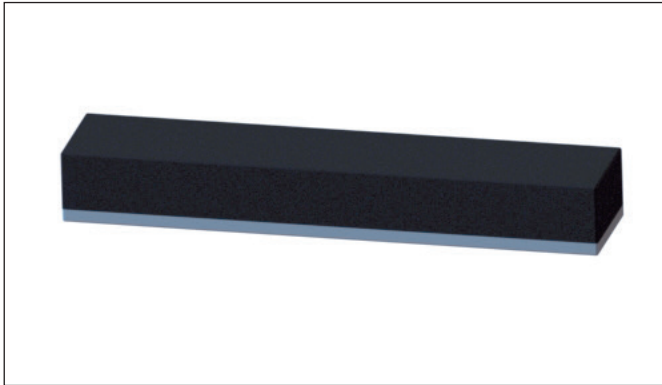


# Gummi-Metall-Schiene Typ A

Metall einseitig



## Produktbeschreibung

Schienen werden besonders dort eingesetzt, wo aus Platzmangel oder wegen hoher Belastung der Einsatz von Puffern nicht möglich ist.

## Anwendung

Schienen eignen sich zur Lagerung von schwersten Maschinen, Anlagen, Aggregaten, Fundamenten sowie von Schiffsmotoren, großen stationären Motoren, Drehbänken, Aufzugsmaschinen sowie Rüttel- und Vibrationsmaschinen.

## Vorteile

- Lagerung kann individuell eingestellt werden
- Flexibel an die jeweilige Belastung anpassbar
- Universell einsetzbar
- RoHS-konform

## Einsatztemperatur

- Naturkautschuk (NR): - 50 °C bis + 90 °C

## Standardqualität

Naturkautschuk (NR)

## Sonderqualitäten

- Nitril-Butadien-Kautschuk (NBR)
  - Chloropren-Kautschuk (CR)
  - Fluorkautschuk (FPM)
  - Ethylen-Propylen-Dien-Kautschuk (EPDM)
  - Polyurethan (PUR)
  - Silikon
  - H-NBR
- sowie weitere Qualitäten auf Anfrage

## Metallteile

- Stahl blank oder Stahl schwarz lackiert
- Alternative Trägerelemente wie z. B. Edelstahl, Messing, Aluminium usw. auf Anfrage

| Breite<br>B | Höhe<br>H | Länge<br>L | Metall |                  | Gummi<br>R | Härte<br>° Shore | Federweg ** |      |      | Druckbelastung Fz *** |      |      |
|-------------|-----------|------------|--------|------------------|------------|------------------|-------------|------|------|-----------------------|------|------|
|             |           |            | M      | M <sub>A</sub> * |            |                  | 5%          | 10%  | 15%  | 5%                    | 10%  | 15%  |
| mm          | mm        | mm         | mm     | mm               | mm         |                  | mm          | mm   | mm   | N                     | N    | N    |
| 20          | 30        | 2'000      | 5      | 10               | 25         | 45               | 1,25        | 2,50 | 3,75 | 91                    | 201  | 313  |
|             |           |            |        |                  |            | 55               | 1,25        | 2,50 | 3,75 | 178                   | 394  | 609  |
|             |           |            |        |                  |            | 70               | 1,25        | 2,50 | 3,75 | 384                   | 834  | 1328 |
| 25          | 25        | 2'000      | 5      | 10               | 20         | 45               | 1           | 2    | 3    | 155                   | 317  | 550  |
|             |           |            |        |                  |            | 55               | 1           | 2    | 3    | 301                   | 667  | 1032 |
|             |           |            |        |                  |            | 70               | 1           | 2    | 3    | 647                   | 1435 | 2218 |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |      | Druckbelastung Fz *** |       |        |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|------|-----------------------|-------|--------|
|        |      |       | M      | M <sub>A</sub> * |       |         | R           | 5%   | 10%  | 15%                   | 5%    | 10%    |
| B      | H    | L     | mm     | mm               | mm    | ° Shore | mm          | mm   | mm   | N                     | N     | N      |
| 25     | 30   | 2'000 | 5      | 10               | 25    | 45      | 1,25        | 2,50 | 3,75 | 149                   | 331   | 511    |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 290                   | 642   | 993    |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 622                   | 1377  | 2131   |
| 30     | 20   | 2'000 | 5      | 10               | 15    | 45      | 0,75        | 1,50 | 2,25 | 257                   | 573   | 888    |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 496                   | 1'105 | 1'708  |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 1'064                 | 2'374 | 3'667  |
| 30     | 25   | 2'000 | 5      | 10               | 20    | 45      | 1           | 2    | 3    | 234                   | 518   | 802    |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 479                   | 1'004 | 1'552  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 970                   | 2'156 | 3'331  |
| 30     | 30   | 2'000 | 5      | 10               | 25    | 45      | 1,25        | 2,50 | 3,75 | 223                   | 493   | 762    |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 431                   | 957   | 1'478  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 928                   | 2'054 | 3'175  |
| 40     | 20   | 2'000 | 5      | 10               | 15    | 45      | 0,75        | 1,50 | 2,25 | 530                   | 1'166 | 1'802  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 1'014                 | 2'229 | 3'448  |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 2'175                 | 4'785 | 7'397  |
| 40     | 25   | 2'000 | 5      | 10               | 20    | 45      | 1           | 2    | 3    | 460                   | 1'024 | 1'583  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 886                   | 1'971 | 3'046  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 1'899                 | 4'227 | 6'532  |
| 40     | 30   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3    | 460                   | 1'024 | 1'583  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 886                   | 1'971 | 3'046  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 1'899                 | 4'227 | 6'532  |
| 40     | 35   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75 | 429                   | 955   | 1'476  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 830                   | 1'844 | 2'848  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 1'78                  | 3'954 | 6'111  |
| 40     | 40   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50 | 408                   | 905   | 1'4    |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50 | 790                   | 1'752 | 2'708  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50 | 1'696                 | 3'76  | 5'812  |
| 40     | 45   | 2'000 | 10     | 5                | 35    | 45      | 1,75        | 3,50 | 5,25 | 396                   | 878   | 1'356  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25 | 766                   | 1'7   | 2'627  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25 | 1'647                 | 3'65  | 5'641  |
| 40     | 50   | 2'000 | 10     | 5                | 40    | 45      | 2           | 4    | 6    | 389                   | 856   | 1'328  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6    | 754                   | 1'669 | 2'578  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6    | 1'621                 | 3'587 | 5'545  |
| 40     | 55   | 2'000 | 10     | 5                | 45    | 45      | 2,25        | 4,50 | 6,75 | 386                   | 848   | 1'321  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75 | 750                   | 1'662 | 2'569  |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75 | 1'613                 | 3'459 | 5'487  |
| 50     | 30   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3    | 767                   | 1'687 | 2'61   |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 1'573                 | 3'459 | 5'348  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 3'262                 | 7'175 | 11'089 |
| 50     | 35   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75 | 736                   | 1'618 | 2'501  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 1'496                 | 3'113 | 4'813  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 3'056                 | 6'725 | 10'391 |
| 50     | 40   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50 | 714                   | 1'509 | 2'332  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50 | 1'344                 | 2'955 | 4'571  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50 | 2'895                 | 6'368 | 9'845  |
| 50     | 45   | 2'000 | 10     | 5                | 35    | 45      | 1,75        | 3,50 | 5,25 | 669                   | 1'475 | 2'278  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25 | 1'294                 | 2'846 | 4'399  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25 | 2'777                 | 6'109 | 9'439  |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |       | Druckbelastung Fz *** |        |        |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|-------|-----------------------|--------|--------|
|        |      |       | M      | M <sub>A</sub> * |       |         | R           | 5%   | 10%   | 15%                   | 5%     | 10%    |
| B      | H    | L     | mm     | mm               | mm    | ° Shore | mm          | mm   | mm    | N                     | N      | N      |
| 50     | 50   | 2'000 | 10     | 5                | 40    | 45      | 2           | 4    | 6     | 652                   | 1'429  | 2'209  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6     | 1'258                 | 2'767  | 4'282  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6     | 2'691                 | 6'025  | 9'151  |
| 50     | 55   | 2'000 | 10     | 5                | 45    | 45      | 2,25        | 4,50 | 6,75  | 629                   | 1'385  | 2'133  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75  | 1'224                 | 2'685  | 4'158  |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75  | 3'033                 | 6'675  | 8'871  |
| 50     | 60   | 2'000 | 10     | 5                | 50    | 45      | 2,50        | 5    | 7,50  | 628                   | 1'384  | 2'132  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50  | 1'215                 | 2'671  | 4'120  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50  | 2'590                 | 5'703  | 8'810  |
| 50     | 65   | 2'000 | 10     | 5                | 55    | 45      | 2,75        | 5,50 | 8,25  | 608                   | 1'375  | 2'065  |
|        |      |       |        |                  |       | 55      | 2,75        | 5,50 | 8,25  | 1'189                 | 2'613  | 4'042  |
|        |      |       |        |                  |       | 70      | 2,75        | 5,50 | 8,25  | 2'564                 | 5'636  | 8'717  |
| 50     | 70   | 2'000 | 10     | 5                | 60    | 45      | 3           | 6    | 9     | 605                   | 1'333  | 2'048  |
|        |      |       |        |                  |       | 55      | 3           | 6    | 9     | 1'182                 | 2'610  | 4'017  |
|        |      |       |        |                  |       | 70      | 3           | 6    | 9     | 2'523                 | 5'552  | 8'481  |
| 60     | 20   | 2'000 | 5      | 10               | 15    | 45      | 0,75        | 1,50 | 2,25  | 1'597                 | 3'513  | 5'429  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25  | 3'291                 | 7'241  | 10'205 |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25  | 6'514                 | 14'327 | 22'141 |
| 60     | 30   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3     | 1'333                 | 2'934  | 4'534  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3     | 2'596                 | 5'710  | 8'826  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3     | 5'449                 | 11'99  | 18'529 |
| 60     | 35   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75  | 1'163                 | 2'559  | 3'955  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75  | 2'390                 | 5'786  | 9'773  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75  | 4'792                 | 10'543 | 16'291 |
| 60     | 40   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50  | 1'085                 | 2'389  | 3'689  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50  | 2'232                 | 5'406  | 9'167  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50  | 4'481                 | 9'847  | 15'233 |
| 60     | 50   | 2'000 | 10     | 5                | 40    | 45      | 2           | 4    | 6     | 997                   | 2'196  | 3'397  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6     | 1'935                 | 4'258  | 6'580  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6     | 4'120                 | 9'063  | 14'010 |
| 60     | 60   | 2'000 | 10     | 5                | 50    | 45      | 2,50        | 5    | 7,50  | 945                   | 2'08   | 3'214  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50  | 1'841                 | 4'051  | 6'269  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50  | 3'931                 | 8'651  | 13'362 |
| 60     | 70   | 2'000 | 10     | 5                | 60    | 45      | 3           | 6    | 9     | 913                   | 2'007  | 3'102  |
|        |      |       |        |                  |       | 55      | 3           | 6    | 9     | 1'778                 | 3'917  | 6'044  |
|        |      |       |        |                  |       | 70      | 3           | 6    | 9     | 3'806                 | 8'375  | 12'939 |
| 60     | 80   | 2'000 | 10     | 5                | 70    | 45      | 3,50        | 7    | 10,50 | 900                   | 1'979  | 3'056  |
|        |      |       |        |                  |       | 55      | 3,50        | 7    | 10,50 | 1'751                 | 3'851  | 5'954  |
|        |      |       |        |                  |       | 70      | 3,50        | 7    | 10,50 | 3'737                 | 8'223  | 12'705 |
| 70     | 35   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75  | 1'774                 | 3'905  | 6'027  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75  | 3'452                 | 7'595  | 11'744 |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75  | 7'264                 | 15'982 | 24'700 |
| 70     | 40   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50  | 1'616                 | 3'556  | 5'493  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50  | 3'148                 | 6'926  | 10'702 |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50  | 6'658                 | 14'646 | 22'634 |
| 70     | 45   | 2'000 | 10     | 5                | 35    | 45      | 1,75        | 3,50 | 5,25  | 1'505                 | 3'311  | 5'116  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25  | 2'934                 | 6'455  | 9'979  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25  | 6'231                 | 13'711 | 21'188 |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte | Federweg ** |      |       | Druckbelastung Fz *** |        |        |     |
|--------|------|-------|--------|------------------|-------|-------|-------------|------|-------|-----------------------|--------|--------|-----|
|        |      |       | M      | M <sub>A</sub> * |       |       | R           | 5%   | 10%   | 15%                   | 5%     | 10%    | 15% |
|        |      |       | mm     | mm               |       |       |             | mm   | mm    | mm                    | mm     | N      | N   |
| 70     | 50   | 2'000 | 10     | 5                | 40    | 45    | 2           | 4    | 6     | 1'442                 | 3'174  | 4'904  |     |
|        |      |       |        |                  |       | 55    | 2           | 4    | 6     | 2'808                 | 6'178  | 9'546  |     |
|        |      |       |        |                  |       | 70    | 2           | 4    | 6     | 5'970                 | 13'134 | 20'300 |     |
| 70     | 55   | 2'000 | 10     | 5                | 45    | 45    | 2,25        | 4,50 | 6,75  | 1'394                 | 3'066  | 4'732  |     |
|        |      |       |        |                  |       | 55    | 2,25        | 4,50 | 6,75  | 2'717                 | 5'977  | 9'235  |     |
|        |      |       |        |                  |       | 70    | 2,25        | 4,50 | 6,75  | 5'784                 | 12'726 | 19'667 |     |
| 70     | 60   | 2'000 | 10     | 5                | 50    | 45    | 2,50        | 5    | 7,50  | 1'352                 | 2'975  | 4'595  |     |
|        |      |       |        |                  |       | 55    | 2,50        | 5    | 7,50  | 2'641                 | 5'806  | 8'968  |     |
|        |      |       |        |                  |       | 70    | 2,50        | 5    | 7,50  | 5'628                 | 12'377 | 19'129 |     |
| 70     | 70   | 2'000 | 10     | 5                | 60    | 45    | 3           | 6    | 9     | 1'336                 | 2'892  | 4'479  |     |
|        |      |       |        |                  |       | 55    | 3           | 6    | 9     | 2'560                 | 5'634  | 8'716  |     |
|        |      |       |        |                  |       | 70    | 3           | 6    | 9     | 5'461                 | 12'018 | 18'565 |     |
| 70     | 80   | 2'000 | 10     | 5                | 70    | 45    | 3,50        | 7    | 10,50 | 1'285                 | 2'828  | 4'380  |     |
|        |      |       |        |                  |       | 55    | 3,50        | 7    | 10,50 | 2'499                 | 5'501  | 8'501  |     |
|        |      |       |        |                  |       | 70    | 3,50        | 7    | 10,50 | 5'329                 | 11'722 | 18'120 |     |
| 80     | 40   | 2'000 | 10     | 5                | 30    | 45    | 1,50        | 3    | 4,50  | 2'300                 | 5'060  | 7'819  |     |
|        |      |       |        |                  |       | 55    | 1,50        | 3    | 4,50  | 4'483                 | 9'865  | 15'243 |     |
|        |      |       |        |                  |       | 70    | 1,50        | 3    | 4,50  | 9'455                 | 20'800 | 32'148 |     |
| 80     | 45   | 2'000 | 10     | 5                | 35    | 45    | 1,75        | 3,50 | 5,25  | 2'126                 | 4'676  | 7'229  |     |
|        |      |       |        |                  |       | 55    | 1,75        | 3,50 | 5,25  | 4'140                 | 9'106  | 14'078 |     |
|        |      |       |        |                  |       | 70    | 1,75        | 3,50 | 5,25  | 8'765                 | 19'285 | 29'803 |     |
| 80     | 50   | 2'000 | 10     | 5                | 40    | 45    | 2           | 4    | 6     | 2'023                 | 4'449  | 6'874  |     |
|        |      |       |        |                  |       | 55    | 2           | 4    | 6     | 3'938                 | 8'664  | 13'392 |     |
|        |      |       |        |                  |       | 70    | 2           | 4    | 6     | 8'355                 | 18'375 | 28'401 |     |
| 80     | 60   | 2'000 | 10     | 5                | 50    | 45    | 2,50        | 5    | 7,50  | 1'872                 | 4'120  | 6'363  |     |
|        |      |       |        |                  |       | 55    | 2,50        | 5    | 7,50  | 3'649                 | 8'028  | 12'405 |     |
|        |      |       |        |                  |       | 70    | 2,50        | 5    | 7,50  | 7'770                 | 17'100 | 26'428 |     |
| 80     | 70   | 2'000 | 10     | 5                | 60    | 45    | 3           | 6    | 9     | 1'789                 | 3'937  | 6'082  |     |
|        |      |       |        |                  |       | 55    | 3           | 6    | 9     | 3'487                 | 7'669  | 11'858 |     |
|        |      |       |        |                  |       | 70    | 3           | 6    | 9     | 7'437                 | 16'361 | 25'288 |     |
| 80     | 75   | 2'000 | 10     | 5                | 65    | 45    | 3,25        | 6,50 | 9,75  | 1'775                 | 3'902  | 6'055  |     |
|        |      |       |        |                  |       | 55    | 3,25        | 6,50 | 9,75  | 3'428                 | 7'585  | 11'702 |     |
|        |      |       |        |                  |       | 70    | 3,25        | 6,50 | 9,75  | 7'347                 | 16'161 | 24'979 |     |
| 80     | 80   | 2'000 | 10     | 5                | 70    | 45    | 3,50        | 7    | 10,50 | 1'754                 | 3'861  | 5'967  |     |
|        |      |       |        |                  |       | 55    | 3,50        | 7    | 10,50 | 3'412                 | 7'501  | 11'600 |     |
|        |      |       |        |                  |       | 70    | 3,50        | 7    | 10,50 | 7'269                 | 15'997 | 24'723 |     |
| 90     | 45   | 2'000 | 10     | 5                | 35    | 45    | 1,75        | 3,50 | 5,25  | 2'868                 | 6'312  | 9'753  |     |
|        |      |       |        |                  |       | 55    | 1,75        | 3,50 | 5,25  | 5'588                 | 12'294 | 19'001 |     |
|        |      |       |        |                  |       | 70    | 1,75        | 3,50 | 5,25  | 11'814                | 25'991 | 40'167 |     |
| 100    | 40   | 2'000 | 10     | 15               | 30    | 45    | 1,50        | 3    | 4,50  | 4'221                 | 9'290  | 14'385 |     |
|        |      |       |        |                  |       | 55    | 1,50        | 3    | 4,50  | 8'225                 | 18'094 | 28'023 |     |
|        |      |       |        |                  |       | 70    | 1,50        | 3    | 4,50  | 17'218                | 37'880 | 58'657 |     |
| 100    | 45   | 2'000 | 15     | 10               | 30    | 45    | 1,50        | 3    | 4,50  | 4'221                 | 9'290  | 14'385 |     |
|        |      |       |        |                  |       | 55    | 1,50        | 3    | 4,50  | 8'225                 | 18'094 | 28'023 |     |
|        |      |       |        |                  |       | 70    | 1,50        | 3    | 4,50  | 17'218                | 37'880 | 58'657 |     |
| 100    | 50   | 2'000 | 15     | 10               | 35    | 45    | 1,75        | 3,50 | 5,25  | 3'777                 | 8'310  | 12'844 |     |
|        |      |       |        |                  |       | 55    | 1,75        | 3,50 | 5,25  | 7'361                 | 16'194 | 25'030 |     |
|        |      |       |        |                  |       | 70    | 1,75        | 3,50 | 5,25  | 15'524                | 34'152 | 52'779 |     |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |       | Druckbelastung Fz *** |        |         |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|-------|-----------------------|--------|---------|
|        |      |       | M      | M <sub>A</sub> * |       |         | R           | 5%   | 10%   | 15%                   | 5%     | 10%     |
| mm     | mm   | mm    | mm     | mm               | mm    | ° Shore | mm          | mm   | mm    | N                     | N      | N       |
| 100    | 55   | 2'000 | 15     | 10               | 40    | 45      | 2           | 4    | 6     | 3'530                 | 7'763  | 12'002  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6     | 6'873                 | 15'121 | 23'366  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6     | 14'538                | 31'985 | 49'435  |
| 100    | 60   | 2'000 | 15     | 10               | 45    | 45      | 2,25        | 4,50 | 6,75  | 3'345                 | 7'363  | 11'383  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75  | 6'561                 | 14'361 | 22'194  |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75  | 13'847                | 30'464 | 47'075  |
| 100    | 65   | 2'000 | 15     | 10               | 50    | 45      | 2,50        | 5    | 7,50  | 3'252                 | 7'156  | 11'057  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50  | 6'335                 | 13'931 | 21'533  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50  | 13'431                | 29'549 | 45'665  |
| 100    | 70   | 2'000 | 15     | 10               | 55    | 45      | 2,75        | 5,50 | 8,25  | 3'149                 | 6'925  | 10'711  |
|        |      |       |        |                  |       | 55      | 2,75        | 5,50 | 8,25  | 6'140                 | 13'505 | 20'867  |
|        |      |       |        |                  |       | 70      | 2,75        | 5,50 | 8,25  | 13'039                | 28'686 | 44'334  |
| 100    | 80   | 2'000 | 15     | 10               | 65    | 45      | 3,25        | 6,50 | 9,75  | 2'989                 | 6'580  | 10'152  |
|        |      |       |        |                  |       | 55      | 3,25        | 6,50 | 9,75  | 5'826                 | 12'820 | 19'810  |
|        |      |       |        |                  |       | 70      | 3,25        | 6,50 | 9,75  | 12'405                | 27'289 | 42'1810 |
| 100    | 90   | 2'000 | 15     | 10               | 75    | 45      | 3,75        | 7,50 | 11,25 | 2'882                 | 6'356  | 9'836   |
|        |      |       |        |                  |       | 55      | 3,75        | 7,50 | 11,25 | 5'661                 | 12'464 | 19'245  |
|        |      |       |        |                  |       | 70      | 3,75        | 7,50 | 11,25 | 12'051                | 26'530 | 40'982  |
| 100    | 100  | 2'000 | 15     | 10               | 85    | 45      | 4,25        | 8,50 | 12,75 | 2'844                 | 6'249  | 9'687   |
|        |      |       |        |                  |       | 55      | 4,25        | 8,50 | 12,75 | 5'523                 | 12'158 | 18'785  |
|        |      |       |        |                  |       | 70      | 4,25        | 8,50 | 12,75 | 11'766                | 25'882 | 39'996  |
| 120    | 45   | 2'000 | 15     | 10               | 30    | 45      | 1,50        | 3    | 4,50  | 7'007                 | 15'476 | 23'907  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50  | 13'651                | 30'138 | 46'572  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50  | 28'410                | 62'707 | 96'909  |
| 120    | 50   | 2'000 | 15     | 10               | 35    | 45      | 1,75        | 3,50 | 5,25  | 6'394                 | 14'108 | 21'805  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25  | 12'458                | 27'482 | 42'469  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25  | 26'029                | 57'402 | 88'715  |
| 120    | 60   | 2'000 | 15     | 10               | 45    | 45      | 2,25        | 4,50 | 6,75  | 5'446                 | 11'979 | 18'545  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75  | 10'619                | 23'363 | 36'158  |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75  | 22'405                | 49'289 | 76'276  |
| 120    | 70   | 2'000 | 15     | 10               | 55    | 45      | 2,75        | 5,50 | 8,25  | 4'909                 | 10'808 | 16'669  |
|        |      |       |        |                  |       | 55      | 2,75        | 5,50 | 8,25  | 9'555                 | 21'032 | 32'451  |
|        |      |       |        |                  |       | 70      | 2,75        | 5,50 | 8,25  | 20'329                | 44'719 | 69'123  |
| 120    | 80   | 2'000 | 15     | 10               | 65    | 45      | 3,25        | 6,50 | 9,75  | 4'724                 | 10'395 | 16'052  |
|        |      |       |        |                  |       | 55      | 3,25        | 6,50 | 9,75  | 9'182                 | 20'209 | 31'230  |
|        |      |       |        |                  |       | 70      | 3,25        | 6,50 | 9,75  | 19'562                | 43'043 | 66'521  |
| 120    | 100  | 2'000 | 15     | 10               | 85    | 45      | 4,25        | 8,50 | 12,75 | 4'507                 | 9'928  | 15'320  |
|        |      |       |        |                  |       | 55      | 4,25        | 8,50 | 12,75 | 8'764                 | 19'260 | 29'772  |
|        |      |       |        |                  |       | 70      | 4,25        | 8,50 | 12,75 | 18'692                | 41'123 | 63'566  |
| 150    | 50   | 2'000 | 15     | 10               | 35    | 45      | 1,75        | 3,50 | 5,25  | 10'712                | 23'564 | 36'491  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25  | 20'854                | 45'875 | 71'055  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25  | 43'743                | 96'238 | 149'017 |
| 150    | 60   | 2'000 | 15     | 10               | 45    | 45      | 2,25        | 4,50 | 6,75  | 9'141                 | 20'129 | 31'079  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75  | 17'811                | 39'176 | 60'553  |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75  | 37'673                | 82'882 | 128'082 |
| 150    | 70   | 2'000 | 15     | 10               | 55    | 45      | 2,75        | 5,50 | 8,25  | 8'380                 | 18'435 | 28'473  |
|        |      |       |        |                  |       | 55      | 2,75        | 5,50 | 8,25  | 16'308                | 35'875 | 55'424  |
|        |      |       |        |                  |       | 70      | 2,75        | 5,50 | 8,25  | 34'622                | 76'164 | 117'686 |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |       | Druckbelastung Fz *** |         |         |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|-------|-----------------------|---------|---------|
|        |      |       | M      | M <sub>A</sub> * |       |         | R           | 5%   | 10%   | 15%                   | 5%      | 10%     |
| mm     | mm   | mm    | mm     | mm               | mm    | ° Shore | mm          | mm   | mm    | N                     | N       | N       |
| 150    | 80   | 2'000 | 15     | 10               | 65    | 45      | 3,25        | 6,50 | 9,75  | 7'919                 | 17'721  | 26'925  |
|        |      |       |        |                  |       | 55      | 3,25        | 6,50 | 9,75  | 15'417                | 33'938  | 52'418  |
|        |      |       |        |                  |       | 70      | 3,25        | 6,50 | 9,75  | 32'815                | 72'199  | 111'586 |
| 150    | 90   | 2'000 | 15     | 10               | 75    | 45      | 3,75        | 7,50 | 11,25 | 7'609                 | 16'642  | 25'841  |
|        |      |       |        |                  |       | 55      | 3,75        | 7,50 | 11,25 | 14'815                | 32'630  | 50'357  |
|        |      |       |        |                  |       | 70      | 3,75        | 7,50 | 11,25 | 31'604                | 69'533  | 107'449 |
| 150    | 100  | 2'000 | 15     | 10               | 85    | 45      | 4,25        | 8,50 | 12,75 | 7'440                 | 16'398  | 25'376  |
|        |      |       |        |                  |       | 55      | 4,25        | 8,50 | 12,75 | 14'531                | 31'965  | 49'369  |
|        |      |       |        |                  |       | 70      | 4,25        | 8,50 | 12,75 | 30'954                | 68'119  | 105'288 |
| 200    | 60   | 2'000 | 15     | 10               | 45    | 45      | 2,25        | 4,50 | 6,75  | 19'974                | 44'053  | 68'082  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75  | 38'903                | 85'784  | 132'552 |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75  | 81'483                | 179'624 | 274'984 |
| 200    | 70   | 2'000 | 15     | 10               | 55    | 45      | 2,75        | 5,50 | 8,25  | 17'506                | 38'512  | 59'576  |
|        |      |       |        |                  |       | 55      | 2,75        | 5,50 | 8,25  | 34'090                | 74'988  | 116'057 |
|        |      |       |        |                  |       | 70      | 2,75        | 5,50 | 8,25  | 71'909                | 158'187 | 244'753 |
| 200    | 80   | 2'000 | 15     | 10               | 65    | 45      | 3,25        | 6,50 | 9,75  | 16'018                | 35'244  | 54'511  |
|        |      |       |        |                  |       | 55      | 3,25        | 6,50 | 9,75  | 31'224                | 68'691  | 106'257 |
|        |      |       |        |                  |       | 70      | 3,25        | 6,50 | 9,75  | 66'176                | 145'582 | 225'172 |
| 200    | 100  | 2'000 | 15     | 10               | 85    | 45      | 4,25        | 8,50 | 12,75 | 14'393                | 31'652  | 48'931  |
|        |      |       |        |                  |       | 55      | 4,25        | 8,50 | 12,75 | 28'013                | 61'653  | 95'246  |
|        |      |       |        |                  |       | 70      | 4,25        | 8,50 | 12,75 | 58'991                | 129'774 | 200'571 |

\* alternative Metallstärke

\*\* Federweg bei 5%, 10% und 15% der Gummistärke

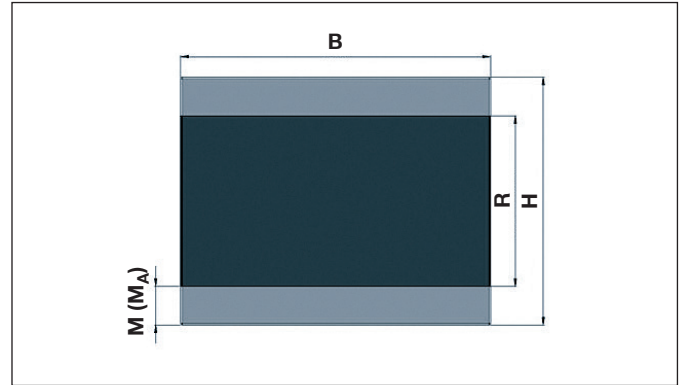
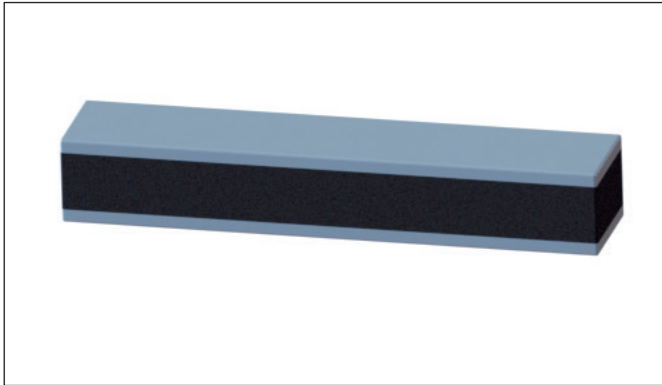
\*\*\* als Berechnungslänge für die Druckbelastung wird die Schienenbreite  $\times 2$  festgelegt

Sollten Sie andere Schienenausführungen als die hier aufgeführten benötigen, fragen Sie uns bitte direkt an.

Unsere anwendungstechnische Empfehlung erfolgt nach bestem Wissen, gilt jedoch nur als unverbindlicher Hinweis, auch in Bezug auf etwaige Schutzrechte Dritter, und befreit Sie nicht von der eigenen Prüfung der von uns gelieferten Produkte auf ihre Eignung hin. Anwendung, Verwendung und Verarbeitung der Produkte erfolgen außerhalb unserer Kontrollmöglichkeiten und liegen daher ausschließlich im Verantwortungsbereich des Kunden. Sollte dennoch eine Schuldverletzung in Frage kommen, so ist diese für alle Schäden auf den Wert der von uns gelieferten und von Ihnen eingesetzten Ware begrenzt. Selbstverständlich gewährleisten wir die einwandfreie Qualität unserer Produkte nach Maßgabe unserer Allgemeinen Verkaufs- und Lieferungsbedingungen.

# Gummi-Metall-Schiene Typ B

Metall beidseitig



## Produktbeschreibung

Schienen werden besonders dort eingesetzt, wo aus Platzmangel oder wegen hoher Belastung der Einsatz von Puffern nicht möglich ist.

## Anwendung

Schienen eignen sich zur Lagerung von schwersten Maschinen, Anlagen, Aggregaten, Fundamenten sowie von Schiffsmotoren, großen stationären Motoren, Drehbänken, Aufzugsmaschinen sowie Rüttel- und Vibrationsmaschinen.

## Vorteile

- Lagerung kann individuell eingestellt werden
- Flexibel an die jeweilige Belastung anpassbar
- Universell einsetzbar
- RoHS-konform

## Einsatztemperatur

- Naturkautschuk (NR): - 50 °C bis + 90 °C

## Standardqualität

Naturkautschuk (NR)

## Sonderqualitäten

- Nitril-Butadien-Kautschuk (NBR)
  - Chloropren-Kautschuk (CR)
  - Fluorkautschuk (FPM)
  - Ethylen-Propylen-Dien-Kautschuk (EPDM)
  - Polyurethan (PUR)
  - Silikon
  - H-NBR
- sowie weitere Qualitäten auf Anfrage

## Metallteile

- Stahl blank oder Stahl schwarz lackiert
- Alternative Trägerelemente wie z. B. Edelstahl, Messing, Aluminium usw. auf Anfrage

| Breite<br>B | Höhe<br>H | Länge<br>L | Metall |                  | Gummi<br>R | Härte<br>° Shore | Federweg ** |      |      | Druckbelastung Fz *** |       |       |
|-------------|-----------|------------|--------|------------------|------------|------------------|-------------|------|------|-----------------------|-------|-------|
|             |           |            | M      | M <sub>A</sub> * |            |                  | 5%          | 10%  | 15%  | 5%                    | 10%   | 15%   |
| mm          | mm        | mm         | mm     | mm               | mm         |                  | mm          | mm   | mm   | N                     | N     | N     |
| 20          | 30        | 2'000      | 5      | 10               | 20         | 45               | 1           | 2    | 3    | 107                   | 251   | 390   |
|             |           |            |        |                  |            | 55               | 1           | 2    | 3    | 219                   | 514   | 792   |
|             |           |            |        |                  |            | 70               | 1           | 2    | 3    | 460                   | 1'079 | 1'670 |
| 25          | 25        | 2'000      | 5      | 10               | 15         | 45               | 0,75        | 1,50 | 2,25 | 186                   | 437   | 677   |
|             |           |            |        |                  |            | 55               | 0,75        | 1,50 | 2,25 | 379                   | 897   | 1'385 |
|             |           |            |        |                  |            | 70               | 0,75        | 1,50 | 2,25 | 794                   | 1'875 | 2'897 |



| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |      | Druckbelastung Fz *** |        |        |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|------|-----------------------|--------|--------|
|        |      |       | M      | M <sub>A</sub> * |       |         | R           | 5%   | 10%  | 15%                   | 5%     | 10%    |
| B      | H    | L     | mm     | mm               | mm    | ° Shore | mm          | mm   | mm   | N                     | N      | N      |
| 25     | 30   | 2'000 | 5      | 10               | 20    | 45      | 1           | 2    | 3    | 176                   | 382    | 661    |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 343                   | 803    | 1'242  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 737                   | 1'726  | 2'668  |
| 30     | 20   | 2'000 | 5      | 10               | 10    | 45      | 0,50        | 1    | 1,50 | 352                   | 818    | 1'263  |
|        |      |       |        |                  |       | 55      | 0,50        | 1    | 1,50 | 721                   | 1'676  | 2'590  |
|        |      |       |        |                  |       | 70      | 0,50        | 1    | 1,50 | 1'47                  | 3'415  | 5'278  |
| 30     | 25   | 2'000 | 5      | 10               | 15    | 45      | 0,75        | 1,50 | 2,25 | 293                   | 690    | 1'068  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 564                   | 1'33   | 2'055  |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 1'212                 | 2'856  | 4'411  |
| 30     | 30   | 2'000 | 5      | 10               | 20    | 45      | 1           | 2    | 3    | 266                   | 624    | 965    |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 545                   | 1'208  | 1'867  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 1'105                 | 2'593  | 4'008  |
| 40     | 20   | 2'000 | 5      | 10               | 10    | 45      | 0,50        | 1    | 1,50 | 775                   | 1'800  | 2'781  |
|        |      |       |        |                  |       | 55      | 0,50        | 1    | 1,50 | 1'588                 | 3'691  | 5'703  |
|        |      |       |        |                  |       | 70      | 0,50        | 1    | 1,50 | 3'154                 | 7'330  | 11'326 |
| 40     | 25   | 2'000 | 5      | 10               | 15    | 45      | 0,75        | 1,50 | 2,25 | 603                   | 1'403  | 2'168  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 1'155                 | 2'682  | 4'148  |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 2'477                 | 5'756  | 8'898  |
| 40     | 30   | 2'000 | 10     | 5                | 10    | 45      | 0,50        | 1    | 1,50 | 775                   | 1'800  | 2'781  |
|        |      |       |        |                  |       | 55      | 0,50        | 1    | 1,50 | 1'588                 | 3'691  | 5'703  |
|        |      |       |        |                  |       | 70      | 0,50        | 1    | 1,50 | 3'154                 | 7'330  | 11'326 |
| 40     | 35   | 2'000 | 10     | 5                | 15    | 45      | 0,75        | 1,50 | 2,25 | 604                   | 1'403  | 2'168  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 1'155                 | 2'682  | 4'148  |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 2'477                 | 5'756  | 8'898  |
| 40     | 40   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3    | 524                   | 1'232  | 1'905  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 1'009                 | 2'371  | 3'664  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 2'163                 | 5'085  | 7'858  |
| 40     | 45   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75 | 489                   | 1'149  | 1'776  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 945                   | 2'218  | 3'426  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 2'028                 | 4'756  | 7'352  |
| 40     | 50   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50 | 465                   | 1'089  | 1'685  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50 | 900                   | 2'108  | 3'257  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50 | 1'932                 | 4'523  | 6'992  |
| 40     | 55   | 2'000 | 10     | 5                | 35    | 45      | 1,75        | 3,50 | 5,25 | 451                   | 1'056  | 1'631  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25 | 872                   | 2'046  | 3'160  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25 | 1'876                 | 4'391  | 6'786  |
| 50     | 30   | 2'000 | 10     | 5                | 10    | 45      | 0,50        | 1    | 1,50 | 1'464                 | 3'398  | 5'299  |
|        |      |       |        |                  |       | 55      | 0,50        | 1    | 1,50 | 2'999                 | 6'969  | 10'896 |
|        |      |       |        |                  |       | 70      | 0,50        | 1    | 1,50 | 5'835                 | 13'558 | 21'105 |
| 50     | 35   | 2'000 | 10     | 5                | 15    | 45      | 0,75        | 1,50 | 2,25 | 1'058                 | 2'459  | 3'801  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 2'169                 | 5'038  | 7'788  |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 4'382                 | 10'181 | 15'734 |
| 50     | 40   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3    | 879                   | 2'045  | 3'158  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 1'801                 | 4'186  | 6'470  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 3'726                 | 8'657  | 13'381 |
| 50     | 45   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75 | 838                   | 1'947  | 3'009  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 1'704                 | 3'745  | 5'790  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 3'480                 | 8'090  | 12'500 |



| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |      | Druckbelastung Fz *** |        |        |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|------|-----------------------|--------|--------|
|        |      |       | M      | M <sub>A</sub> * |       |         | 5%          | 10%  | 15%  | 5%                    | 10%    | 15%    |
| B      | H    | L     | mm     | mm               | R     | ° Shore | mm          | mm   | mm   | N                     | N      | N      |
| 50     | 50   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50 | 813                   | 1'815  | 2'805  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50 | 1'531                 | 3'555  | 5'500  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50 | 3'298                 | 7'661  | 11'844 |
| 50     | 55   | 2'000 | 10     | 5                | 35    | 45      | 1,75        | 3,50 | 5,25 | 763                   | 1'774  | 2'740  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25 | 1'474                 | 3'424  | 5'292  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25 | 3'163                 | 7'349  | 11'356 |
| 50     | 60   | 2'000 | 10     | 5                | 40    | 45      | 2           | 4    | 6    | 742                   | 1'719  | 2'657  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6    | 1'433                 | 3'329  | 5'151  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6    | 3'065                 | 7'248  | 11'009 |
| 50     | 65   | 2'000 | 10     | 5                | 45    | 45      | 2,25        | 4,50 | 6,75 | 717                   | 1'666  | 2'566  |
|        |      |       |        |                  |       | 55      | 2,25        | 4,50 | 6,75 | 1'394                 | 3'230  | 5'002  |
|        |      |       |        |                  |       | 70      | 2,25        | 4,50 | 6,75 | 3'455                 | 8'029  | 10'672 |
| 50     | 70   | 2'000 | 10     | 5                | 50    | 45      | 2,50        | 5    | 7,50 | 716                   | 1'665  | 2'565  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50 | 1'384                 | 3'213  | 4'957  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50 | 2'950                 | 6'860  | 10'598 |
| 60     | 20   | 2'000 | 5      | 10               | 10    | 45      | 0,50        | 1    | 1,50 | 1'398                 | 3'246  | 5'014  |
|        |      |       |        |                  |       | 55      | 0,50        | 1    | 1,50 | 2'861                 | 6'648  | 10'272 |
|        |      |       |        |                  |       | 70      | 0,50        | 1    | 1,50 | 5'875                 | 13'650 | 21'097 |
| 60     | 30   | 2'000 | 10     | 5                | 10    | 45      | 0,50        | 1    | 1,50 | 1'398                 | 3'246  | 5'014  |
|        |      |       |        |                  |       | 55      | 0,50        | 1    | 1,50 | 2'861                 | 6'648  | 10'272 |
|        |      |       |        |                  |       | 70      | 0,50        | 1    | 1,50 | 5'875                 | 13'650 | 21'097 |
| 60     | 35   | 2'000 | 10     | 5                | 15    | 45      | 0,75        | 1,50 | 2,25 | 1'819                 | 4'226  | 6'531  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 3'749                 | 8'711  | 12'276 |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 7'419                 | 17'235 | 26'635 |
| 60     | 40   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3    | 1'519                 | 3'529  | 5'455  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 2'957                 | 6'869  | 10'617 |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 6'207                 | 14'424 | 22'291 |
| 60     | 50   | 2'000 | 10     | 5                | 30    | 45      | 1,50        | 3    | 4,50 | 1'236                 | 2'874  | 4'438  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50 | 2'542                 | 6'503  | 11'027 |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50 | 5'103                 | 11'846 | 18'325 |
| 60     | 60   | 2'000 | 10     | 5                | 40    | 45      | 2           | 4    | 6    | 1'136                 | 2'642  | 4'087  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6    | 2'204                 | 5'122  | 7'916  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6    | 4'693                 | 10'903 | 16'854 |
| 60     | 70   | 2'000 | 10     | 5                | 50    | 45      | 2,50        | 5    | 7,50 | 1'077                 | 2'502  | 3'866  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50 | 2'097                 | 4'874  | 7'542  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50 | 4'478                 | 10'407 | 16'075 |
| 60     | 80   | 2'000 | 10     | 5                | 60    | 45      | 3           | 6    | 9    | 1'040                 | 2'414  | 3'732  |
|        |      |       |        |                  |       | 55      | 3           | 6    | 9    | 2'025                 | 4'712  | 7'271  |
|        |      |       |        |                  |       | 70      | 3           | 6    | 9    | 4'335                 | 10'076 | 15'565 |
| 70     | 35   | 2'000 | 10     | 5                | 15    | 45      | 0,75        | 1,50 | 2,25 | 2'657                 | 6'215  | 9'604  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25 | 5'448                 | 12'742 | 19'692 |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25 | 10'76                 | 25'001 | 38'848 |
| 70     | 40   | 2'000 | 10     | 5                | 20    | 45      | 1           | 2    | 3    | 2'133                 | 4'956  | 7'686  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3    | 4'375                 | 10'165 | 15'757 |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3    | 8'848                 | 20'558 | 31'771 |
| 70     | 45   | 2'000 | 10     | 5                | 25    | 45      | 1,25        | 2,50 | 3,75 | 2'020                 | 4'698  | 7'250  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75 | 3'931                 | 9'136  | 14'128 |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75 | 8'274                 | 19'226 | 29'714 |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte | Federweg ** |      |      | Druckbelastung Fz *** |        |         |     |
|--------|------|-------|--------|------------------|-------|-------|-------------|------|------|-----------------------|--------|---------|-----|
|        |      |       | M      | M <sub>A</sub> * |       |       | R           | 5%   | 10%  | 15%                   | 5%     | 10%     | 15% |
|        |      |       | mm     | mm               |       |       |             | mm   | mm   | mm                    | mm     | N       | N   |
| 70     | 50   | 2'000 | 10     | 5                | 30    | 45    | 1,50        | 3    | 4,50 | 1'841                 | 4'278  | 6'608   |     |
|        |      |       |        |                  |       | 55    | 1,50        | 3    | 4,50 | 3'585                 | 8'332  | 12'874  |     |
|        |      |       |        |                  |       | 70    | 1,50        | 3    | 4,50 | 7'584                 | 17'619 | 27'228  |     |
| 70     | 55   | 2'000 | 10     | 5                | 35    | 45    | 1,75        | 3,50 | 5,25 | 1'714                 | 3'983  | 6'155   |     |
|        |      |       |        |                  |       | 55    | 1,75        | 3,50 | 5,25 | 3'342                 | 7'765  | 12'005  |     |
|        |      |       |        |                  |       | 70    | 1,75        | 3,50 | 5,25 | 7'097                 | 16'494 | 25'489  |     |
| 70     | 60   | 2'000 | 10     | 5                | 40    | 45    | 2           | 4    | 6    | 1'643                 | 3'818  | 5'900   |     |
|        |      |       |        |                  |       | 55    | 2           | 4    | 6    | 3'198                 | 7'433  | 11'484  |     |
|        |      |       |        |                  |       | 70    | 2           | 4    | 6    | 6'800                 | 15'800 | 24'421  |     |
| 70     | 70   | 2'000 | 10     | 5                | 50    | 45    | 2,50        | 5    | 7,50 | 1'540                 | 3'579  | 5'528   |     |
|        |      |       |        |                  |       | 55    | 2,50        | 5    | 7,50 | 3'008                 | 6'985  | 10'789  |     |
|        |      |       |        |                  |       | 70    | 2,50        | 5    | 7,50 | 6'410                 | 14'890 | 23'012  |     |
| 70     | 80   | 2'000 | 10     | 5                | 60    | 45    | 3           | 6    | 9    | 1'521                 | 3'479  | 5'388   |     |
|        |      |       |        |                  |       | 55    | 3           | 6    | 9    | 2'916                 | 6'778  | 10'485  |     |
|        |      |       |        |                  |       | 70    | 3           | 6    | 9    | 6'221                 | 14'458 | 22'334  |     |
| 80     | 40   | 2'000 | 10     | 5                | 20    | 45    | 1           | 2    | 3    | 3'091                 | 7'184  | 11'141  |     |
|        |      |       |        |                  |       | 55    | 1           | 2    | 3    | 6'337                 | 14'721 | 22'829  |     |
|        |      |       |        |                  |       | 70    | 1           | 2    | 3    | 12'710                | 29'538 | 45'778  |     |
| 80     | 45   | 2'000 | 10     | 5                | 25    | 45    | 1,25        | 2,50 | 3,75 | 2'887                 | 6'709  | 10'369  |     |
|        |      |       |        |                  |       | 55    | 1,25        | 2,50 | 3,75 | 5'622                 | 13'062 | 20'189  |     |
|        |      |       |        |                  |       | 70    | 1,25        | 2,50 | 3,75 | 11'805                | 27'428 | 42'393  |     |
| 80     | 50   | 2'000 | 10     | 5                | 30    | 45    | 1,50        | 3    | 4,50 | 2'619                 | 6'087  | 9'406   |     |
|        |      |       |        |                  |       | 55    | 1,50        | 3    | 4,50 | 5'107                 | 11'867 | 18'337  |     |
|        |      |       |        |                  |       | 70    | 1,50        | 3    | 4,50 | 10'770                | 25'022 | 38'674  |     |
| 80     | 60   | 2'000 | 10     | 5                | 40    | 45    | 2           | 4    | 6    | 2'304                 | 5'353  | 8'270   |     |
|        |      |       |        |                  |       | 55    | 2           | 4    | 6    | 4'486                 | 10'423 | 16'110  |     |
|        |      |       |        |                  |       | 70    | 2           | 4    | 6    | 9'517                 | 22'105 | 34'167  |     |
| 80     | 70   | 2'000 | 10     | 5                | 50    | 45    | 2,50        | 5    | 7,50 | 2'132                 | 4'956  | 7'655   |     |
|        |      |       |        |                  |       | 55    | 2,50        | 5    | 7,50 | 4'156                 | 9'658  | 14'923  |     |
|        |      |       |        |                  |       | 70    | 2,50        | 5    | 7,50 | 8'850                 | 20'571 | 31'792  |     |
| 80     | 75   | 2'000 | 10     | 5                | 55    | 45    | 2,75        | 5,50 | 8,25 | 2'081                 | 4'836  | 7'467   |     |
|        |      |       |        |                  |       | 55    | 2,75        | 5,50 | 8,25 | 4'055                 | 9'418  | 14'567  |     |
|        |      |       |        |                  |       | 70    | 2,75        | 5,50 | 8,25 | 8'637                 | 20'037 | 31'022  |     |
| 80     | 80   | 2'000 | 10     | 5                | 60    | 45    | 3           | 6    | 9    | 2'037                 | 4'737  | 7'316   |     |
|        |      |       |        |                  |       | 55    | 3           | 6    | 9    | 3'971                 | 9'226  | 14'265  |     |
|        |      |       |        |                  |       | 70    | 3           | 6    | 9    | 8'471                 | 19'682 | 30'422  |     |
| 90     | 45   | 2'000 | 10     | 5                | 25    | 45    | 1,25        | 2,50 | 3,75 | 3'530                 | 8'203  | 12'707  |     |
|        |      |       |        |                  |       | 55    | 1,25        | 2,50 | 3,75 | 7'235                 | 16'810 | 26'046  |     |
|        |      |       |        |                  |       | 70    | 1,25        | 2,50 | 3,75 | 14'731                | 34'231 | 53'025  |     |
| 100    | 40   | 2'000 | 10     | 15               | 20    | 45    | 1           | 2    | 3    | 5'862                 | 13'713 | 21'193  |     |
|        |      |       |        |                  |       | 55    | 1           | 2    | 3    | 12'015                | 28'107 | 43'434  |     |
|        |      |       |        |                  |       | 70    | 1           | 2    | 3    | 23'493                | 54'892 | 84'836  |     |
| 100    | 45   | 2'000 | 15     | 10               | 15    | 45    | 0,75        | 1,50 | 2,25 | 8'027                 | 18'653 | 28'824  |     |
|        |      |       |        |                  |       | 55    | 0,75        | 1,50 | 2,25 | 16'455                | 38'236 | 59'090  |     |
|        |      |       |        |                  |       | 70    | 0,75        | 1,50 | 2,25 | 30'399                | 70'635 | 109'165 |     |
| 100    | 50   | 2'000 | 15     | 10               | 20    | 45    | 1           | 2    | 3    | 5'862                 | 13'713 | 21'193  |     |
|        |      |       |        |                  |       | 55    | 1           | 2    | 3    | 12'015                | 28'107 | 43'434  |     |
|        |      |       |        |                  |       | 70    | 1           | 2    | 3    | 23'493                | 54'892 | 84'836  |     |

| Breite | Höhe | Länge | Metall |                  | Gummi | Härte   | Federweg ** |      |       | Druckbelastung Fz *** |         |         |
|--------|------|-------|--------|------------------|-------|---------|-------------|------|-------|-----------------------|---------|---------|
|        |      |       | M      | M <sub>A</sub> * |       |         | R           | 5%   | 10%   | 15%                   | 5%      | 10%     |
| B      | H    | L     | mm     | mm               | mm    | ° Shore | mm          | mm   | mm    | N                     | N       | N       |
| 100    | 55   | 2'000 | 15     | 10               | 25    | 45      | 1,25        | 2,50 | 3,75  | 5'506                 | 12'794  | 19'836  |
|        |      |       |        |                  |       | 55      | 1,25        | 2,50 | 3,75  | 10'729                | 24'931  | 38'664  |
|        |      |       |        |                  |       | 70      | 1,25        | 2,50 | 3,75  | 22'27                 | 51'746  | 80'216  |
| 100    | 60   | 2'000 | 15     | 10               | 30    | 45      | 1,50        | 3    | 4,50  | 4'808                 | 11'176  | 17'305  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50  | 9'368                 | 21'767  | 33'712  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50  | 19'611                | 45'570  | 70'564  |
| 100    | 65   | 2'000 | 15     | 10               | 35    | 45      | 1,75        | 3,50 | 5,25  | 4'302                 | 9'997   | 15'451  |
|        |      |       |        |                  |       | 55      | 1,75        | 3,50 | 5,25  | 8'385                 | 19'482  | 30'112  |
|        |      |       |        |                  |       | 70      | 1,75        | 3,50 | 5,25  | 17'682                | 41'085  | 63'493  |
| 100    | 70   | 2'000 | 15     | 10               | 40    | 45      | 2           | 4    | 6     | 4'021                 | 9'339   | 14'438  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6     | 7'828                 | 18'191  | 28'109  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6     | 16'559                | 38'478  | 59'471  |
| 100    | 80   | 2'000 | 15     | 10               | 50    | 45      | 2,50        | 5    | 7,50  | 3'704                 | 8'609   | 13'302  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50  | 7'216                 | 16'759  | 25'904  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50  | 15'297                | 35'548  | 54'936  |
| 100    | 90   | 2'000 | 15     | 10               | 60    | 45      | 3           | 6    | 9     | 3'490                 | 8'112   | 12'535  |
|        |      |       |        |                  |       | 55      | 3           | 6    | 9     | 6'794                 | 15'787  | 24'405  |
|        |      |       |        |                  |       | 70      | 3           | 6    | 9     | 14'445                | 33'561  | 51'871  |
| 100    | 100  | 2'000 | 15     | 10               | 70    | 45      | 3,50        | 7    | 10,50 | 3'326                 | 7'730   | 11'942  |
|        |      |       |        |                  |       | 55      | 3,50        | 7    | 10,50 | 6'488                 | 15'071  | 23'290  |
|        |      |       |        |                  |       | 70      | 3,50        | 7    | 10,50 | 13'831                | 32'138  | 49'674  |
| 120    | 45   | 2'000 | 15     | 10               | 15    | 45      | 0,75        | 1,50 | 2,25  | 14'17                 | 33'162  | 51'254  |
|        |      |       |        |                  |       | 55      | 0,75        | 1,50 | 2,25  | 29'041                | 67'963  | 105'035 |
|        |      |       |        |                  |       | 70      | 0,75        | 1,50 | 2,25  | 51'359                | 119'338 | 185'274 |
| 120    | 50   | 2'000 | 15     | 10               | 20    | 45      | 1           | 2    | 3     | 10'267                | 23'854  | 36'870  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3     | 21'041                | 48'89   | 75'557  |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3     | 39'773                | 93'220  | 144'071 |
| 120    | 60   | 2'000 | 15     | 10               | 30    | 45      | 1,50        | 3    | 4,50  | 7'981                 | 18'617  | 28'760  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50  | 15'549                | 36'256  | 56'026  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50  | 32'359                | 75'437  | 116'581 |
| 120    | 70   | 2'000 | 15     | 10               | 40    | 45      | 2           | 4    | 6     | 6'687                 | 15'568  | 24'060  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6     | 13'022                | 30'319  | 46'860  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6     | 27'342                | 63'530  | 98'366  |
| 120    | 80   | 2'000 | 15     | 10               | 50    | 45      | 2,50        | 5    | 7,50  | 5'901                 | 13'712  | 21'222  |
|        |      |       |        |                  |       | 55      | 2,50        | 5    | 7,50  | 11'498                | 26'715  | 41'327  |
|        |      |       |        |                  |       | 70      | 2,50        | 5    | 7,50  | 24'296                | 56'458  | 87'251  |
| 120    | 100  | 2'000 | 15     | 10               | 70    | 45      | 3,50        | 7    | 10,50 | 5'304                 | 12'332  | 19'056  |
|        |      |       |        |                  |       | 55      | 3,50        | 7    | 10,50 | 10'322                | 23'985  | 37'085  |
|        |      |       |        |                  |       | 70      | 3,50        | 7    | 10,50 | 21'953                | 51'031  | 78'855  |
| 150    | 50   | 2'000 | 15     | 10               | 20    | 45      | 1           | 2    | 3     | 20'579                | 47'819  | 74'194  |
|        |      |       |        |                  |       | 55      | 1           | 2    | 3     | 42'183                | 98'017  | 152'071 |
|        |      |       |        |                  |       | 70      | 1           | 2    | 3     | 76'853                | 178'573 | 275'98  |
| 150    | 60   | 2'000 | 15     | 10               | 30    | 45      | 1,50        | 3    | 4,50  | 13'183                | 30'792  | 47'591  |
|        |      |       |        |                  |       | 55      | 1,50        | 3    | 4,50  | 27'025                | 63'126  | 97'558  |
|        |      |       |        |                  |       | 70      | 1,50        | 3    | 4,50  | 53'088                | 123'897 | 191'469 |
| 150    | 70   | 2'000 | 15     | 10               | 40    | 45      | 2           | 4    | 6     | 11'072                | 25'731  | 39'830  |
|        |      |       |        |                  |       | 55      | 2           | 4    | 6     | 21'554                | 50'086  | 77'525  |
|        |      |       |        |                  |       | 70      | 2           | 4    | 6     | 45'481                | 105'676 | 163'570 |

| Breite<br>B | Höhe<br>H | Länge<br>L | Metall |                  | Gummi<br>R | Härte<br>° Shore | Federweg ** |     |       | Druckbelastung Fz *** |         |         |
|-------------|-----------|------------|--------|------------------|------------|------------------|-------------|-----|-------|-----------------------|---------|---------|
|             |           |            | M      | M <sub>A</sub> * |            |                  | 5%          | 10% | 15%   | 5%                    | 10%     | 15%     |
| mm          | mm        | mm         | mm     | mm               | mm         | mm               | mm          | mm  | mm    | N                     | N       | N       |
| 150         | 80        | 2'000      | 15     | 10               | 50         | 45               | 2,50        | 5   | 7,50  | 9'887                 | 22'974  | 35'475  |
|             |           |            |        |                  |            | 55               | 2,50        | 5   | 7,50  | 19'264                | 44'759  | 69'207  |
|             |           |            |        |                  |            | 70               | 2,50        | 5   | 7,50  | 40'864                | 94'961  | 146'747 |
| 150         | 90        | 2'000      | 15     | 10               | 60         | 45               | 3           | 6   | 9     | 9'261                 | 21'505  | 33'209  |
|             |           |            |        |                  |            | 55               | 3           | 6   | 9     | 18'006                | 41'839  | 64'620  |
|             |           |            |        |                  |            | 70               | 3           | 6   | 9     | 37'376                | 88'914  | 137'383 |
| 150         | 100       | 2'000      | 15     | 10               | 70         | 45               | 3,50        | 7   | 10,50 | 8'844                 | 20'559  | 31'763  |
|             |           |            |        |                  |            | 55               | 3,50        | 7   | 10,50 | 17'230                | 40'055  | 61'890  |
|             |           |            |        |                  |            | 70               | 3,50        | 7   | 10,50 | 36'701                | 85'284  | 131'780 |
| 200         | 60        | 2'000      | 15     | 10               | 30         | 45               | 1,50        | 3   | 4,50  | 32'006                | 74'369  | 114'935 |
|             |           |            |        |                  |            | 55               | 1,50        | 3   | 4,50  | 65'618                | 152'456 | 235'620 |
|             |           |            |        |                  |            | 70               | 1,50        | 3   | 4,50  | 123'536               | 287'036 | 443'630 |
| 200         | 70        | 2'000      | 15     | 10               | 40         | 45               | 2           | 4   | 6     | 23'076                | 53'852  | 83'224  |
|             |           |            |        |                  |            | 55               | 2           | 4   | 6     | 47'311                | 110'339 | 170'621 |
|             |           |            |        |                  |            | 70               | 2           | 4   | 6     | 93'950                | 219'090 | 338'608 |
| 200         | 80        | 2'000      | 15     | 10               | 50         | 45               | 2,50        | 5   | 7,50  | 21'109                | 49'162  | 75'920  |
|             |           |            |        |                  |            | 55               | 2,50        | 5   | 7,50  | 41'129                | 95'714  | 147'902 |
|             |           |            |        |                  |            | 70               | 2,50        | 5   | 7,50  | 86'505                | 200'995 | 311'077 |
| 200         | 100       | 2'000      | 15     | 10               | 70         | 45               | 3,50        | 7   | 10,50 | 17'698                | 41'152  | 63'659  |
|             |           |            |        |                  |            | 55               | 3,50        | 7   | 10,50 | 34'538                | 72'952  | 112'739 |
|             |           |            |        |                  |            | 70               | 3,50        | 7   | 10,50 | 66'224                | 153'888 | 237'825 |

\* alternative Metallstärke

\*\* Federweg bei 5%, 10% und 15% der Gummistärke

\*\*\* als Berechnungslänge für die Druckbelastung wird die Schienenbreite  $\times 2$  festgelegt

Sollten Sie andere Schienenausführungen als die hier aufgeführten benötigen, fragen Sie uns bitte direkt an.

Unsere anwendungstechnische Empfehlung erfolgt nach bestem Wissen, gilt jedoch nur als unverbindlicher Hinweis, auch in Bezug auf etwaige Schutzrechte Dritter, und befreit Sie nicht von der eigenen Prüfung der von uns gelieferten Produkte auf ihre Eignung hin. Anwendung, Verwendung und Verarbeitung der Produkte erfolgen außerhalb unserer Kontrollmöglichkeiten und liegen daher ausschließlich im Verantwortungsbereich des Kunden. Sollte dennoch eine Schuldverletzung in Frage kommen, so ist diese für alle Schäden auf den Wert der von uns gelieferten und von Ihnen eingesetzten Ware begrenzt. Selbstverständlich gewährleisten wir die einwandfreie Qualität unserer Produkte nach Maßgabe unserer Allgemeinen Verkaufs- und Lieferungsbedingungen.