



# GASFEDER GF10/22



| Hub C<br>(mm) | Maß E<br>(mm) | Material-Nr. für F <sub>1</sub> (N) |            |            |            |            |            |            |            |            |  |
|---------------|---------------|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|--|
|               |               | 100                                 | 150        | 200        | 250        | 300        | 350        | 400        | 450        | 500        |  |
| 75            | 210           | GF-280.175                          | GF-280.182 | GF-280.189 | GF-280.196 | GF-280.203 | GF-280.210 | GF-280.217 | GF-280.224 | GF-280.231 |  |
| 100           | 260           | GF-280.176                          | GF-280.183 | GF-280.190 | GF-280.197 | GF-280.204 | GF-280.211 | GF-280.218 | GF-280.225 | GF-280.232 |  |
| 125           | 310           | GF-280.177                          | GF-280.184 | GF-280.191 | GF-280.198 | GF-280.205 | GF-280.212 | GF-280.219 | GF-280.226 | GF-280.233 |  |
| 150           | 360           | GF-280.178                          | GF-280.185 | GF-280.192 | GF-280.199 | GF-280.206 | GF-280.213 | GF-280.220 | GF-280.227 | GF-280.234 |  |
| 175           | 410           | GF-283.598                          | GF-283.599 | GF-283.600 | GF-283.601 | GF-283.602 | GF-283.603 | GF-283.604 | GF-283.605 | GF-283.606 |  |
| 200           | 460           | GF-280.179                          | GF-280.186 | GF-280.193 | GF-280.200 | GF-280.207 | GF-280.214 | GF-280.221 | GF-280.228 | GF-280.235 |  |
| 250           | 560           | GF-280.180                          | GF-280.187 | GF-280.194 | GF-280.201 | GF-280.208 | GF-280.215 | GF-280.222 | GF-280.229 | GF-280.236 |  |
| 250           | 610           | GF-282.934                          | GF-282.935 | GF-282.936 | GF-282.937 | GF-282.938 | GF-282.939 | GF-282.940 | GF-282.941 | GF-282.942 |  |
| 300           | 660           | GF-280.181                          | GF-280.188 | GF-280.195 | GF-280.202 | GF-280.209 | GF-280.216 | GF-280.223 | GF-280.230 | GF-280.237 |  |
| 350           | 760           | GF-281.099                          | GF-281.100 | GF-281.101 | GF-281.102 | GF-281.103 | GF-281.104 | GF-281.105 | GF-281.106 | GF-281.107 |  |
| 400           | 860           | GF-281.115                          | GF-281.116 | GF-281.117 | GF-281.118 | GF-281.119 | GF-281.120 | GF-281.121 | GF-281.122 | GF-281.123 |  |

| Hub C<br>(mm) | Maß E<br>(mm) | Material-Nr. für F <sub>1</sub> (N) |            |            |            |            |            |            |            |  |  |
|---------------|---------------|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|--|--|
|               |               | 550                                 | 600        | 650        | 700        | 750        | 800        | 850        | 900        |  |  |
| 75            | 210           | GF-280.238                          | GF-280.245 | GF-280.252 | GF-280.259 | GF-280.266 | GF-280.273 | GF-280.280 | GF-280.007 |  |  |
| 100           | 260           | GF-280.239                          | GF-280.246 | GF-280.253 | GF-280.260 | GF-280.267 | GF-280.274 | GF-280.281 | GF-280.008 |  |  |
| 125           | 310           | GF-280.240                          | GF-280.247 | GF-280.254 | GF-280.261 | GF-280.268 | GF-280.275 | GF-280.282 | GF-280.009 |  |  |
| 150           | 360           | GF-280.241                          | GF-280.248 | GF-280.255 | GF-280.262 | GF-280.269 | GF-280.276 | GF-280.283 | GF-280.010 |  |  |
| 175           | 410           | GF-283.607                          | GF-283.608 | GF-283.609 | GF-283.610 | GF-283.611 | GF-283.612 | GF-283.613 | GF-283.595 |  |  |
| 200           | 460           | GF-280.242                          | GF-280.249 | GF-280.256 | GF-280.263 | GF-280.270 | GF-280.277 | GF-280.284 | GF-280.011 |  |  |
| 250           | 560           | GF-280.243                          | GF-280.250 | GF-280.257 | GF-280.264 | GF-280.271 | GF-280.278 | GF-280.285 | GF-280.012 |  |  |
| 250           | 610           | GF-282.943                          | GF-282.944 | GF-282.945 | GF-282.946 | GF-282.947 | GF-282.948 | GF-282.949 | GF-282.950 |  |  |
| 300           | 660           | GF-280.244                          | GF-280.251 | GF-280.258 | GF-280.265 | GF-280.272 | GF-280.279 | GF-280.286 | GF-280.013 |  |  |
| 350           | 760           | GF-281.108                          | GF-281.109 | GF-281.110 | GF-281.111 | GF-281.112 | GF-281.113 | GF-281.114 | GF-280.775 |  |  |
| 400           | 860           | GF-281.124                          | GF-281.125 | GF-281.126 | GF-281.127 | GF-281.128 | GF-281.129 | GF-281.130 | GF-280.778 |  |  |

**Ausschubkraft F<sub>1</sub>:**  
(100±50) N bis (900±50) N

**Einbauvorschrift/  
Lagerung:**  
senkrecht,  
Kolbenstange nach unten,  
Neigung bis 60° zulässig

**Ausschubgeschwindigkeit:**  
0,1 bis 0,3 ms<sup>-1</sup>

**Länge der Endlagendämpfung:**  
(20 ± 10) mm

**Temperatureinsatzbereich:**  
-30°C bis +80°C  
Der angegebene Wert F<sub>1</sub> gilt bei  
einer Gasfedertemperatur von 20°C.  
Pro 10°C Temperaturabweichung  
ändert sich die Ausschubkraft  
um 3,4%.

**Zulässige Belastung:**  
in Zugrichtung: ≤ 3.000 N

**Gewährleistung:**  
50.000 Hübe  
(Voraussetzung: Einbau  
entsprechend unserer  
Einbauhinweise)

## Befestigungselemente GF 10/22

| Auge                 | Material-Nr. | Øa   | b    | c  | d  | e  | f | sw |
|----------------------|--------------|------|------|----|----|----|---|----|
| 8,1 - 10 x 16 - M8   | GF-212.781   | 8,1  | 16   | 10 | M8 | 19 |   |    |
| 10,1 - 10 x 16 - M8  | GF-280.933   | 10,1 | 16   | 10 | M8 | 19 |   |    |
| 8,1 - 10 x 23,5 - M8 | GF-280.873   | 8,1  | 23,5 | 10 | M8 | 15 |   |    |
| 8,1 - 18 x 22 - M8   | GF-280.973   | 8,1  | 22   | 18 | M8 | 18 |   |    |
| 10,1 - 18 x 22 - M8  | GF-665.755   | 10,1 | 22   | 18 | M8 | 18 |   |    |

Material: Zink, verzinkt, blauchromatiert

| Auge                             | Material-Nr. | Øa  | b    | c  | d  | e  | f  | sw |
|----------------------------------|--------------|-----|------|----|----|----|----|----|
| 8,1 - 5 x 24,5 - M8 <sup>1</sup> | GF-628.503   | 8,1 | 24,5 | 5  | M8 | 14 | 14 |    |
| 8,1 - 10 x 19 - M8 <sup>2</sup>  | GF-666.036   | 8,1 | 19   | 10 | M8 | 14 | 12 |    |
| 8,1 - 5 x 28 - M8 <sup>2</sup>   | GF-280.829   | 8,1 | 28   | 5  | M8 | 15 | 13 |    |

Material: 1 = Aluminium; 2 = Stahl verzinkt, blauchromatiert

| Gelenkauge       | Material-Nr. | Øa | b  | c  | d  | e  | f  | sw |
|------------------|--------------|----|----|----|----|----|----|----|
| 8 - 12 x 36 - M8 | GF-705.872   | 8  | 36 | 12 | M8 | 24 | 16 | 13 |

| Distanzstück | Material-Nr. | Länge ohne Gewinde |
|--------------|--------------|--------------------|
| M8 x 34      | GF-588.655   | 34                 |
| M8 x 58      | GF-588.656   | 58                 |

Material: Stahl, verzinkt, blauchromatiert

| Gabelkopf mit ES-Bolzen | Material-Nr. | Øa | b  | c | d  | e  | f | sw |
|-------------------------|--------------|----|----|---|----|----|---|----|
| G6 x 16                 | GF-280.879   | 6  | 32 | 6 | M8 | 16 |   |    |
| G8 x 16 DIN 71752       | GF-212.766   | 8  | 32 | 8 | M8 | 16 |   |    |
| G8 x 32 DIN 71752       | GF-212.767   | 8  | 48 | 8 | M8 | 32 |   |    |

Material: Stahl, verzinkt, blauchromatiert

| Winkelgelenk CS mit Sicherungsbügel | Material-Nr. | Øa  | b  | c  | d  | e  | f  | sw |
|-------------------------------------|--------------|-----|----|----|----|----|----|----|
| WG CS 13 x 30 - M8/M8               | GF-212.776   | M8  | 16 | 30 | M8 | 13 | 13 | 11 |
| WG CS 13 x 30 - M8/M10              | GF-665.929   | M10 | 20 | 30 | M8 | 13 | 13 | 11 |
| WG CS 13 x 30 - M8/M10              | GF-666.718   | M10 | 20 | 30 | M8 | 13 | 13 | 17 |
| WG CS 13 x 25 - M8/M8               | GF-280.883   | M8  | 16 | 25 | M8 | 13 | 13 | 11 |
| WG CS 13 x 25 - M8/M10              | GF-667.643   | M10 | 20 | 25 | M8 | 13 | 13 | 17 |
| WG CS 13 x 20 - M8/M8               | GF-280.929   | M8  | 16 | 20 | M8 | 13 | 13 | 11 |
| WG CS 13 x 20 - M8/M10              | GF-667.407   | M10 | 20 | 20 | M8 | 13 | 13 | 17 |

Material: Stahl, verzinkt, blauchromatiert

| Winkelgelenk S selbstsichernd | Material-Nr. | Øa | b    | c  | d  | e  | f    | sw |
|-------------------------------|--------------|----|------|----|----|----|------|----|
| WG S 10 x 19 - M8/M6          | GF-280.912   | M6 | 12,5 | 19 | M8 | 10 | 11   | 8  |
| WG S 10 x 19 - M8/M8          | GF-280.913   | M8 | 13   | 19 | M8 | 10 | 13,5 | 13 |

Material: Kugelpfanne: Stahl, zinkeisenbeschichtet; Kugelzapfen: Stahl, verzinkt, blauchromatiert

| Plastwinkelgelenk    | Material-Nr. | Øa | b    | c  | d  | e  | f    | sw |
|----------------------|--------------|----|------|----|----|----|------|----|
| WG S 10 x 18 - M8/M6 | GF-669.056   | M6 | 12,5 | 18 | M8 | 10 | 11   | 8  |
| WG S 10 x 18 - M8/M8 | GF-668.665   | M8 | 13   | 18 | M8 | 10 | 13,5 | 13 |

Material: Kugelpfanne: Plastik, glasverstärktes Polyamid; Kugelzapfen: Stahl, verzinkt, blauchromatiert

**Winkelgelenke: Kugelpfannen und Kugelzapfen sind auch einzeln erhältlich**

