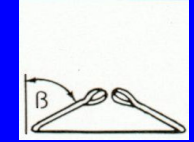
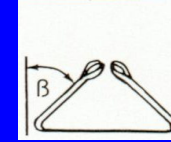


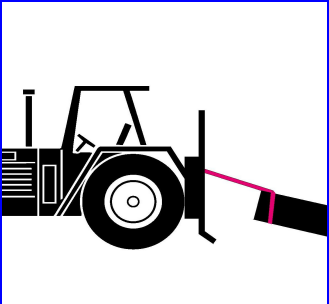
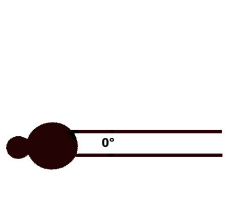
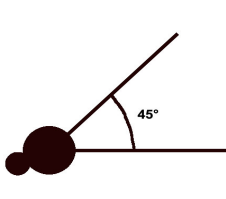
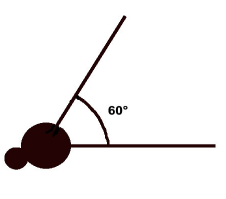
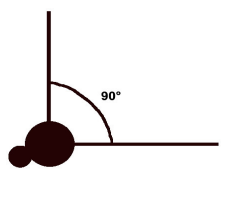
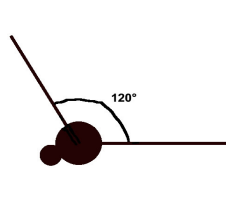
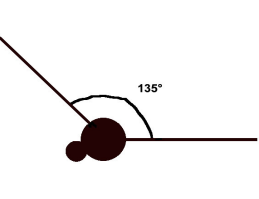
Im Gegensatz zum Hebebereich (Sicherheitsfaktor 7)  
gilt im Bodenzug Sicherheitsfaktor 4



| Kennzeichnung | Farbe | Lastfaktor<br>1.0 | Lastfaktor<br>0.8 | Lastfaktor<br>2.0 | Lastfaktor<br>1.4 | Lastfaktor<br>1.0 |
|---------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
|---------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|

|       |  |         |       |       |       |       |       |
|-------|--|---------|-------|-------|-------|-------|-------|
| 1000  |  | violett | 1750  | 1400  | 3500  | 2450  | 1750  |
| 2000  |  | grün    | 3500  | 2800  | 7000  | 4900  | 3500  |
| 3000  |  | gelb    | 5250  | 4200  | 10500 | 7350  | 5250  |
| 4000  |  | grau    | 7000  | 5600  | 14000 | 9800  | 7000  |
| 5000  |  | rot     | 8750  | 7000  | 17500 | 12250 | 8750  |
| 6000  |  | braun   | 10500 | 8400  | 21000 | 14700 | 10500 |
| 8000  |  | blau    | 14000 | 11200 | 28000 | 19600 | 14000 |
| 10000 |  | orange  | 17500 | 14000 | 35000 | 24500 | 17500 |
| 15000 |  | orange  | 26250 | 21000 | 52500 | 36750 | 26250 |
| 20000 |  | orange  | 35000 | 28000 | 70000 | 49000 | 35000 |

# Kraftwirkung auf Umlenkrolle und Stammschutzgurte

| Windenzugkraft  | 0°  | 45°   | 60°   | 90°   | 120°  | 135°  |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
|   | Lastfaktor<br>2.0   | Lastfaktor<br>1.8   | Lastfaktor<br>1.7   | Lastfaktor<br>1.4   | Lastfaktor<br>1.0   | Lastfaktor<br>0.8   |
| 3000 kg   | 6000  | 5400  | 5100  | 4200  | 3000  | 2400  |
| 4000 kg   | 8000  | 7200  | 6800  | 5600  | 4000  | 3200  |
| 5000 kg   | 10000   | 9000  | 8500  | 7000  | 5000  | 4000  |
| 6000 kg   | 12000   | 10800   | 10200   | 8400  | 6000  | 4800  |
| 7000 kg   | 14000   | 12600   | 11900   | 9800  | 7000  | 5600  |
| 8000 kg   | 16000   | 14400   | 13600   | 11200   | 8000  | 6400  |
| 9000 kg   | 18000   | 16200   | 15300   | 12600   | 9000  | 7200  |
| 10000 kg  | 20000   | 18000   | 17000   | 14000   | 10000   | 8000  |
| 12000 kg  | 24000   | 21600   | 20400   | 16800   | 12000   | 9600  |
| 14000 kg  | 28000   | 25200   | 23800   | 19600   | 14000   | 11200   |
| 16000 kg  | 32000   | 28800   | 27200   | 22400   | 16000   | 12800   |