



Stand: Januar 2018

| Rotorblatt- Typ | Blattlänge L [mm] | Blattspitzen- Geschwindigkeit $V_{B \min} - V_{B \max}$ [m/s] | Anstellwinkel- Bereich $\alpha_{-max} - \alpha_{+max}$ [grad] | Null- auftriebs- Winkel α_0 [grad] | Blattgriff- Dicke D [mm] | Blattgriff- Bohrung \varnothing [mm] |
|--------------------|----------------------|--|--|--|--------------------------------|--|
| S - 48 | 130 - 480 | 65 - 90 | - 5 + 10 | - 0,9 | 10 8* 6* 5* | 3 4* |
| S - 49 | 160 - 650 | 65 - 90 | - 5 + 10 | - 0,9 | 10 8* 6* 5* | 3 4* |
| S - 55 | 500 - 900 | 85 - 110 | - 5 + 10 | - 0,9 | 12 14* 10* | 4 3 5* |
| S - 65 | 600 - 1150 | 90 - 120 | - 5 + 10 | - 0,9 | 14 12* | 4 5 6 |
| S - 75 | 700 - 1400 | 90 - 125 | - 5 + 10 | - 0,9 | 14 12* | 4 5 6 |
| S - 93 | 900 - 1600 | 90 - 130 | - 5 + 9 | - 0,9 | 14 22* | 8 6 5* |
| | | | | | | |
| X - 32 | 85 - 400 | 90 - 130 | - 11 + 11 | 0 | 8 5 | 3 4* |
| X - 47 | 130 - 600 | 75 - 100 | - 10 + 10 | 0 | 10 8* 6* 5* | 3 4* |
| X - 53 | 500 - 650 | 75 - 105 | - 10 + 10 | 0 | 12 14* 10* | 4 3 5* |
| X - 63 | 600 - 1100 | 80 - 120 | - 10 + 10 | 0 | 14 12* | 4 5 6 |
| X - 71 | 700 - 1200 | 90 - 130 | - 10 + 10 | 0 | 14 12* | 4 5 6 |

S = S - Schlag - Profil

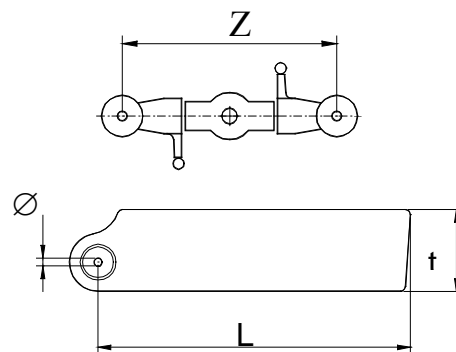
X = symmetrisches Profil

* = auf Wunsch gegen Aufpreis erhältlich;

Andere Ausführungen auf Anfrage

$$V_B = \frac{\pi \cdot \left(L + \frac{Z}{2} \right)}{30000} \cdot n$$

$$n = \frac{30000}{\pi \cdot \left(L + \frac{Z}{2} \right)} \cdot V_B$$

 V_B Blattspitzengeschwindigkeit [m/s]n Drehzahl [min^{-1}]

L Blattlänge Nennmaß (von Bohrungsmitte bis Blattende) [mm]

Z Blatthalterbohrungsabstand (von Bohrung zu Bohrung gegenüberliegend) [mm]

D Blattgriffdicke [mm]

 \varnothing Bohrungsdurchmesser [mm]

t Profiltiefe [mm]

Bitte beachten Sie die Sicherheitshinweise!



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Maximale Drehzahl am Rotorkopf in Abhängigkeit von Rotorkreis-Durchmesser

| | Blatt-Typ | S 93 | S 75 | S 65 | S 55 | S 49 | S 48 | X 71 | X 63 | X 53 | X 47 | X 32 |
|-----------------------------|------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Rotorkreis-Durchmesser [mm] | Rotorkreis-Radius [mm] | Maxmale Drehzahl am Rotorkopf [1/min] [rpm] | | | | | | | | | | |
| 3600 | 1800 | 690 | | | | | | | | | | |
| 3500 | 1750 | 709 | | | | | | | | | | |
| 3400 | 1700 | 730 | | | | | | | | | | |
| 3300 | 1650 | 752 | | | | | | | | | | |
| 3200 | 1600 | 776 | | | | | | | | | | |
| 3100 | 1550 | 801 | | | | | | | | | | |
| 3000 | 1500 | 828 | | | | | | | | | | |
| 2900 | 1450 | 856 | 823 | | | | | | | | | |
| 2800 | 1400 | 887 | 853 | | | | | 887 | | | | |
| 2700 | 1350 | 920 | 884 | | | | | 920 | | | | |
| 2600 | 1300 | 955 | 918 | | | | | 955 | | | | |
| 2500 | 1250 | 993 | 955 | 917 | | | | 993 | 917 | | | |
| 2400 | 1200 | 1035 | 995 | 955 | | | | 1035 | 955 | | | |
| 2300 | 1150 | 1079 | 1038 | 996 | | | | 1079 | 996 | | | |
| 2200 | 1100 | 1129 | 1085 | 1042 | | | | 1129 | 1042 | | | |
| 2100 | 1050 | 1182 | 1137 | 1091 | 1000 | | | 1182 | 1091 | | | |
| 2000 | 1000 | 1241 | 1194 | 1146 | 1050 | | | 1241 | 1146 | | | |
| 1900 | 950 | 1307 | 1256 | 1206 | 1106 | | | 1307 | 1206 | | | |
| 1800 | 900 | 1379 | 1326 | 1273 | 1167 | | | 1379 | 1273 | | | |
| 1700 | 850 | 1460 | 1404 | 1348 | 1236 | | | 1460 | 1348 | | | |
| 1600 | 800 | | 1492 | 1432 | 1313 | | | 1552 | 1432 | 1253 | | |
| 1500 | 750 | | 1592 | 1528 | 1401 | 1146 | | 1655 | 1528 | 1337 | | |
| 1400 | 700 | | | 1637 | 1501 | 1228 | | 1773 | 1637 | 1432 | 1364 | |
| 1300 | 650 | | | 1763 | 1616 | 1322 | | 1910 | 1763 | 1543 | 1469 | |
| 1200 | 600 | | | | 1751 | 1432 | 1432 | | 1910 | 1671 | 1592 | |
| 1100 | 550 | | | | 1910 | 1563 | 1563 | | 2083 | 1823 | 1736 | 2257 |
| 1000 | 500 | | | | 2101 | 1719 | 1719 | | | 2005 | 1910 | 2483 |
| 950 | 475 | | | | 2211 | 1809 | 1809 | | | 2111 | 2010 | 2613 |
| 900 | 450 | | | | 2334 | 1910 | 1910 | | | 2228 | 2122 | 2759 |
| 850 | 425 | | | | 2472 | 2022 | 2022 | | | 2359 | 2247 | 2921 |
| 800 | 400 | | | | 2626 | 2149 | 2149 | | | 2507 | 2387 | 3104 |
| 750 | 375 | | | | 2801 | 2292 | 2292 | | | 2674 | 2546 | 3310 |
| 700 | 350 | | | | 3001 | 2456 | 2456 | | | 2865 | 2728 | 3547 |
| 650 | 325 | | | | 3232 | 2644 | 2644 | | | 3085 | 2938 | 3820 |
| 600 | 300 | | | | 3501 | 2865 | 2865 | | | 3342 | 3183 | 4138 |
| 550 | 275 | | | | 3820 | 3125 | 3125 | | | 3646 | 3472 | 4514 |
| 500 | 250 | | | | 4202 | 3438 | 3438 | | | 4011 | 3820 | 4966 |
| 475 | 237,5 | | | | | 3619 | 3619 | | | | 4021 | 5227 |
| 450 | 225 | | | | | 3820 | 3820 | | | | 4244 | 5517 |
| 425 | 212,5 | | | | | 4044 | 4044 | | | | 4494 | 5842 |
| 400 | 200 | | | | | 4297 | 4297 | | | | 4775 | 6207 |
| 375 | 187,5 | | | | | 4584 | 4584 | | | | 5093 | 6621 |
| 350 | 175 | | | | | 4911 | 4911 | | | | 5457 | 7094 |
| 325 | 162,5 | | | | | | | | | | 5876 | 7639 |
| 300 | 150 | | | | | | | | | | | 8276 |
| 275 | 137,5 | | | | | | | | | | | 9028 |
| 250 | 125 | | | | | | | | | | | 9931 |

Bitte beachten Sie die Sicherheitshinweise!