

Aluminium-Legierung

| Werkstoff | | Dicke | | | | Zugfestigkeit R _m | | 0,2 % Dehngrenze R _{p0,2} | | Bruchdehnung A ₅ A ₁₀ | | Brinellhärte HB 2,5/62,5 ~ | Zustands-Hinweise | aushärtbar | Eloxalqualität | Meerwasserbest. | statisch beanspr. Konstr. | gut schweißbar | |
|---------------|--------|--------------------|--------------------|------|------|------------------------------|------|------------------------------------|-------|---|----|----------------------------|-------------------|------------|-------------------|-----------------|---------------------------|----------------|---|
| Kurzzeichen | Nummer | Bänder mm über bis | Bleche mm über bis | min. | max. | min. | max. | min. | min. | | | | | | | | | | |
| Al 99,5 | W7 | 3.0255.10 | 0,35 | 3,0 | 0,35 | 6,0 | 85 | 95 | ≤55 | 40 | 35 | 20 | weich | | | | | | |
| | W7 | .10 | - | - | 6,0 | 25 | 85 | 95 | 20 | 35 | - | 20 | weich | | | | | | |
| | F8 | .07 | - | - | 5,0 | 50 | 75 | 110 | 20 | 20 | - | 22 | warmgewalzt | | | | | | |
| | F9 | .24 | 0,35 | 3,0 | 0,35 | 6,0 | 90 | 130 | 60 | 9 | 6 | 30 | kaltgewalzt | | | | | | |
| | G9 | .25 | 0,35 | 3,0 | 0,35 | 5,0 | 90 | 130 | 60 | 13 | 10 | 30 | rückgeglüht | | | | | | |
| | F11 | .26 | 0,35 | 3,0 | 0,35 | 10 | 110 | 150 | 90 | 6 | 4 | 35 | kaltgewalzt | | | | | | |
| | G11 | .27 | 0,35 | 3,0 | 0,35 | 10 | 110 | 150 | 90 | 9 | 6 | 35 | rückgeglüht | | | | | | |
| | F13 | .30 | 0,35 | 3,0 | 0,35 | 10 | 130 | 170 | 110 | 4 | 3 | 40 | kaltgewalzt | | | | | | |
| | G13 | .31 | 0,35 | 3,0 | 0,35 | 10 | 130 | 170 | 110 | 6 | 4 | 40 | rückgeglüht | | | | | | |
| | F15 | .32 | 0,35 | 3,0 | 0,35 | 6,0 | 150 | - | 130 | 3 | 2 | 45 | kaltgewalzt | | | | | | |
| AlMg 1 | W11 | 3.3315.10 | 0,35 | 3,0 | 0,35 | 10 | 105 | 140 | 35 | 24 | 21 | 32 | weich | | | | | | |
| | F13 | .24 | 0,35 | 3,0 | 0,35 | 10 | 125 | 165 | 95 | 8 | 6 | 42 | kaltgewalzt | | | | | | |
| | G13 | .25 | 0,35 | 3,0 | 0,35 | 10 | 125 | 165 | 80 | 10 | 8 | 42 | rückgeglüht | | | | | | |
| | F15 | .26 | 0,35 | 3,0 | 0,35 | 10 | 145 | 185 | 120 | 5 | 4 | 47 | kaltgewalzt | | | | | | |
| | G15 | .27 | 0,35 | 3,0 | 0,35 | 6,0 | 145 | 185 | 110 | 8 | 6 | 47 | rückgeglüht | | × | × | | × | |
| | F17 | .28 | 0,35 | 3,0 | 0,35 | 4,0 | 165 | 205 | 145 | 4 | 3 | 52 | kaltgewalzt | | × | × | | × | |
| | G17 | .29 | 0,35 | 3,0 | 0,35 | 4,0 | 165 | 205 | 130 | 6 | 5 | 52 | rückgeglüht | | | | | | |
| | F19 | .30 | 0,35 | 3,0 | 0,35 | 3,0 | 190 | - | 170 | 3 | 2 | 57 | kaltgewalzt | | | | | | |
| | G19 | .31 | 0,35 | 3,0 | 0,35 | 2,0 | 190 | - | 160 | 5 | 4 | 57 | rückgeglüht | | | | | | |
| | F21 | .32 | 0,35 | 2,0 | 0,35 | 2,0 | 210 | - | 190 | 3 | 2 | 60 | kaltgewalzt | | | | | | |
| AlMg 3 | W19 | 3.3535.10 | 0,35 | 3,0 | 0,35 | 6,0 | 190 | 230 | 80 | 20 | 17 | 50 | weich | | — BEDINGT — | | | | |
| | W19 | .10 | - | - | 6,0 | 50 | 190 | 230 | 80 | 18 | - | 50 | weich | | | | | | |
| | F19 | .07 | - | - | 25 | 50 | 190 | - | 80 | 12 | - | 50 | warmgewalzt | | | | | | |
| | F20 | .07 | - | - | 10 | 25 | 200 | - | 120 | 10 | - | 60 | warmgewalzt | | | | | | |
| | F21 | .07 | 3 | 10 | 5,0 | 10 | 210 | - | 140 | 12 | - | 60 | warmgewalzt | | | | | | |
| | F22 | .24 | 0,35 | 3,0 | 0,35 | 10 | 220 | 260 | 165 | 9 | 7 | 65 | kaltgewalzt | | | | × | × | × |
| | G22 | .25 | 0,35 | 3,0 | 0,35 | 10 | 220 | 260 | 130 | 14 | 12 | 65 | rückgeglüht | | | | | | |
| | F24 | .26 | 0,35 | 3,0 | 0,35 | 10 | 240 | 280 | 190 | 5 | 4 | 73 | kaltgewalzt | | | | | | |
| | G24 | .27 | 0,35 | 3,0 | 0,35 | 10 | 240 | 280 | 160 | 10 | 8 | 73 | rückgeglüht | | | | | | |
| | F27 | .28 | 0,35 | 3,0 | 0,35 | 4,0 | 265 | 305 | 215 | 4 | 3 | 80 | kaltgewalzt | | | | | | |
| G27 | .29 | 0,35 | 3,0 | 0,35 | 4,0 | 265 | 305 | 190 | 7 | 6 | 80 | rückgeglüht | | | | | | | |
| F29 | .30 | 0,35 | 3,0 | 0,35 | 3,0 | 290 | - | 250 | 3 | 2 | 85 | kaltgewalzt | | | | | | | |
| AlMg 4,5 Mn | W28 | 3.3547.10 | 0,35 | 3,0 | 0,35 | 50 | 275 | 350 | 125 | 17 | 15 | 70 | weich | | | | | | |
| | F28 | .07 | - | - | 4,0 | 50 | 275 | - | 125 | 12 | - | 70 | warmgewalzt | | | | | | |
| | G31 | .25 | - | - | 2,0 | 40 | 310 | 380 | 205 | 10 | - | 85 | rückgeglüht | | | × | × | × | |
| | G35 | .27 | 1,0 | 3,0 | 1,0 | 6,0 | 345 | 405 | 270 | 6 | 5 | 100 | rückgeglüht | | | | | | |
| AlMg Si 1 | W | 3.2315.10 | 0,35 | 3,0 | 0,35 | 10 | - | 150 | 85 | 16 | 15 | 35 | weich | | | | | | |
| | F21 | .51 | 0,35 | 3,0 | 0,35 | 3,0 | 205 | - | 110*) | 16 | 14 | 65 | kaltausgehärt. | | | | | | |
| | F21 | .51 | - | - | 3,0 | 20 | 205 | - | 110 | 14 | 12 | 65 | kaltausgehärt. | | | | | | |
| | F28 | .71 | 0,35 | 3,0 | 0,35 | 3,0 | 275 | - | 200 | 14 | 12 | 85 | warmausgehärt. | × | × | × | × | × | |
| | F28 | .71 | - | - | 3,0 | 60 | 275 | - | 200 | 12 | - | 85 | warmausgehärt. | | | | | | |
| | F32 | .72 | 0,35 | 3,0 | 0,35 | 10 | 315 | - | 255 | 10 | 8 | 95 | warmausgehärt. | | | | | | |
| | F30 | .72 | - | - | 0,35 | 20 | 295 | - | 245 | 9 | - | 95 | warmausgehärt. | | | | | | |
| | F30 | .72 | - | - | 20 | 100 | 295 | - | 240 | 8 | - | 90 | warmausgehärt. | | | | | | |
| AlCuMg 1 | W | 3.1325.10 | 0,35 | 3,0 | 0,35 | 12 | - | 215 | ≤40 | 13 | 11 | 50 | weich | | | | | | |
| | F40 | .51 | 0,35 | 3,0 | 0,35 | 3,0 | 395 | - | 265 | 13 | 11 | 100 | kaltausgehärt. | × | | | | × | |
| | F39 | .51 | - | - | 3,0 | 12 | 390 | - | 265 | 13 | - | 100 | kaltausgehärt. | | | | | × | |
| | F39 | .51 | - | - | 12 | 60 | 385 | - | 245 | 12 | - | 95 | kaltausgehärt. | | | | | × | |
| AlZn 4,5 Mg 1 | W | 3.4335.10 | - | - | 1,5 | 6,0 | - | 220 | ≤40 | 15 | 13 | 45 | weich | | | | | | |
| | F35 | .71 | 0,35 | 3,0 | 0,35 | 15 | 350 | - | 275 | 10 | 8 | 105 | warmausgehärt. | × | | | | × | |
| | F34 | .71 | - | - | 15 | 60 | 340 | - | 270 | 9 | - | 105 | warmausgehärt. | | | | | × | |
| AlZnMgCu 0,5 | F45 | 3.4345.71 | - | - | 6,0 | 25 | 450 | - | 370 | 8 | - | 125 | warmausgehärt. | | | | | | |
| | F45 | .71 | - | - | 25 | 50 | 450 | - | 370 | 7 | - | 125 | warmausgehärt. | × | | | | × | |
| | F43 | .71 | - | - | 50 | 100 | 430 | - | 350 | 5 | - | 110 | warmausgehärt. | | | | | × | |
| | F41 | .71 | - | - | 100 | 200 | 410 | - | 330 | 3 | - | 100 | warmausgehärt. | | | | | × | |
| AlZnMgCu 1,5 | F53 | 3.4365.71 | - | - | 6,0 | 12 | 530 | - | 450 | 8 | - | 140 | warmausgehärt. | | | | | | |
| | F53 | .71 | - | - | 12 | 25 | 530 | - | 450 | 5 | - | 140 | warmausgehärt. | | | | | | |
| | F53 | .71 | - | - | 25 | 50 | 530 | - | 450 | 3 | - | 140 | warmausgehärt. | | | | | | |
| | F50 | .71 | - | - | 50 | 63 | 500 | - | 430 | 2 | - | 130 | warmausgehärt. | × | | | | × | |
| | F48 | .71 | - | - | 63 | 75 | 480 | - | 410 | 2 | - | 130 | warmausgehärt. | | | | | × | |
| | F48 | .71 | - | - | 75 | 100 | 480 | - | 390 | 2 | - | 130 | warmausgehärt. | | | | | × | |