

Prozess- und Maschinenfähigkeit

| i | xi | i | xi | i | xi | i | xi |
|----|-------|-----|-------|-----|-------|-----|----|
| 1 | 20,00 | 51 | 18,80 | 101 | 16,90 | 151 | |
| 2 | 21,00 | 52 | 17,10 | 102 | 19,50 | 152 | |
| 3 | 21,50 | 53 | 18,60 | 103 | 20,40 | 153 | |
| 4 | 19,00 | 54 | 18,00 | 104 | 19,10 | 154 | |
| 5 | 19,00 | 55 | 18,70 | 105 | | 155 | |
| 6 | 20,40 | 56 | 20,30 | 106 | | 156 | |
| 7 | 18,30 | 57 | 18,70 | 107 | | 157 | |
| 8 | 19,90 | 58 | 18,80 | 108 | | 158 | |
| 9 | 18,70 | 59 | 19,40 | 109 | | 159 | |
| 10 | 18,00 | 60 | 18,50 | 110 | | 160 | |
| 11 | 17,70 | 61 | 18,60 | 111 | | 161 | |
| 12 | 19,10 | 62 | 19,60 | 112 | | 162 | |
| 13 | 19,70 | 63 | 18,50 | 113 | | 163 | |
| 14 | 18,10 | 64 | 20,00 | 114 | | 164 | |
| 15 | 18,40 | 65 | 17,80 | 115 | | 165 | |
| 16 | 17,50 | 66 | 19,80 | 116 | | 166 | |
| 17 | 18,90 | 67 | 16,60 | 117 | | 167 | |
| 18 | 19,00 | 68 | 19,40 | 118 | | 168 | |
| 19 | 20,50 | 69 | 19,30 | 119 | | 169 | |
| 20 | 17,30 | 70 | 20,10 | 120 | | 170 | |
| 21 | 18,30 | 71 | 20,50 | 121 | | 171 | |
| 22 | 18,40 | 72 | 20,00 | 122 | | 172 | |
| 23 | 18,60 | 73 | 20,80 | 123 | | 173 | |
| 24 | 19,80 | 74 | 17,70 | 124 | | 174 | |
| 25 | 20,20 | 75 | 18,90 | 125 | | 175 | |
| 26 | 18,50 | 76 | 18,80 | 126 | | 176 | |
| 27 | 18,50 | 77 | 16,40 | 127 | | 177 | |
| 28 | 18,00 | 78 | 18,50 | 128 | | 178 | |
| 29 | 20,90 | 79 | 19,00 | 129 | | 179 | |
| 30 | 18,10 | 80 | 20,60 | 130 | | 180 | |
| 31 | 19,40 | 81 | 19,20 | 131 | | 181 | |
| 32 | 20,50 | 82 | 17,10 | 132 | | 182 | |
| 33 | 20,40 | 83 | 16,30 | 133 | | 183 | |
| 34 | 16,10 | 84 | 17,20 | 134 | | 184 | |
| 35 | 18,70 | 85 | 17,90 | 135 | | 185 | |
| 36 | 18,80 | 86 | 19,10 | 136 | | 186 | |
| 37 | 17,30 | 87 | 17,30 | 137 | | 187 | |
| 38 | 18,10 | 88 | 19,40 | 138 | | 188 | |
| 39 | 19,90 | 89 | 18,30 | 139 | | 189 | |
| 40 | 19,60 | 90 | 19,30 | 140 | | 190 | |
| 41 | 18,40 | 91 | 17,20 | 141 | | 191 | |
| 42 | 19,50 | 92 | 17,50 | 142 | | 192 | |
| 43 | 16,80 | 93 | 19,60 | 143 | | 193 | |
| 44 | 17,10 | 94 | 17,60 | 144 | | 194 | |
| 45 | 18,90 | 95 | 20,00 | 145 | | 195 | |
| 46 | 19,70 | 96 | 19,90 | 146 | | 196 | |
| 47 | 19,70 | 97 | 16,90 | 147 | | 197 | |
| 48 | 19,20 | 98 | 19,50 | 148 | | 198 | |
| 49 | 20,60 | 99 | 20,40 | 149 | | 199 | |
| 50 | 20,10 | 100 | 19,10 | 150 | | 200 | |

Werte können geändert werden
Werte werden berechnet

| | | |
|-----------------------------|----------------|-----------------------|
| Artikel: | Halter | |
| A-Nummer | C2G234824ß | |
| Zeichnung: | UZT1340124357 | |
| Prüfer: | Maier | |
| Messmittel: | Waage 47.22452 | |
| Datum: | 10.12.2014 | |
| Merkmal: | Länge | |
| Maßeinheit: | mm | |
| Sollwert μ_{soll} = | 19,00 | |
| Unterer Grenzwert UGW = | 16,00 | |
| Oberer Grenzwert OGW = | 23,00 | |
| Anzahl Klassen Histogramm = | 12 | |
| $C_{mk<}$ | 1,33 | Prozess nicht fähig |
| C_{mk} | dazwischen | Prozess bedingt fähig |
| $C_{mk>}$ | 1,66 | Prozess fähig |

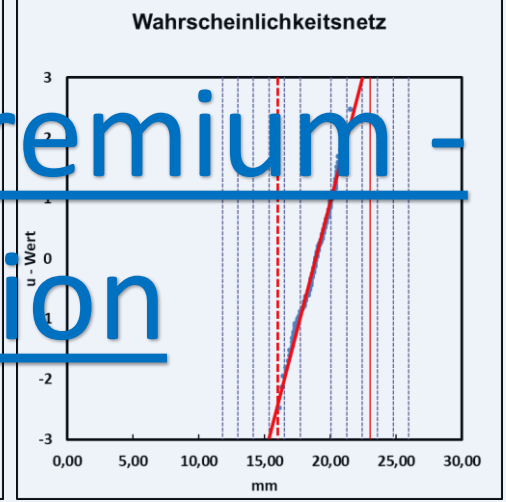
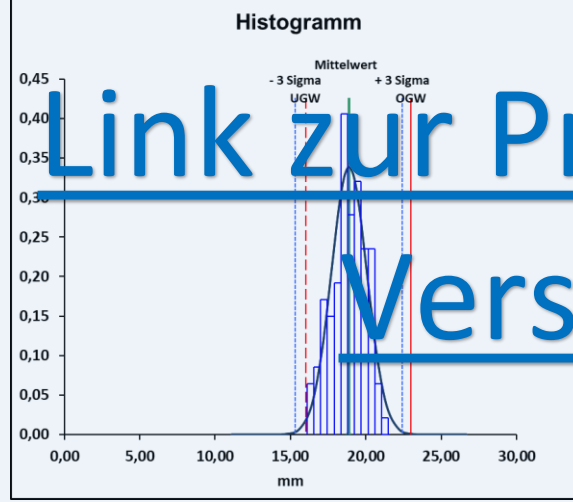
| | |
|--|-------|
| Umfang der Stichprobe | 104 |
| Mittelwert μ | 18,87 |
| Standardabweichung σ | 1,18 |
| Die Werte sind nach Andersson-Darling Test | |

| | | |
|--------------------------------|---------------------|------|
| Fähigkeitskennwerte | C_{mu} | 0,81 |
| | C_{mo} | 1,17 |
| | C_m | 0,99 |
| | C_{mk} | 0,81 |
| Bewertung $c_{mk} \Rightarrow$ | Prozess nicht fähig | |

| | |
|----------------|-------|
| Median ζ | 18,90 |
| Spannweite P | 5,40 |
| Minimum | 16,10 |
| Maximum | 21,50 |

| | | |
|----------------------------|-----------|------|
| Berechnete Leistung in ppm | | |
| Über-schreitungsanteil | P_{UGW} | 7444 |
| | P_{OGW} | 231 |
| | p | 7675 |

| | | |
|-----------------------------|-----------|---|
| Beobachtete Leistung in ppm | | |
| Über-schreitungsanteil | P_{UGW} | 0 |
| | P_{OGW} | 0 |
| | p | 0 |



Link zur Premium-Version