



Prototyp - Prototyp - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

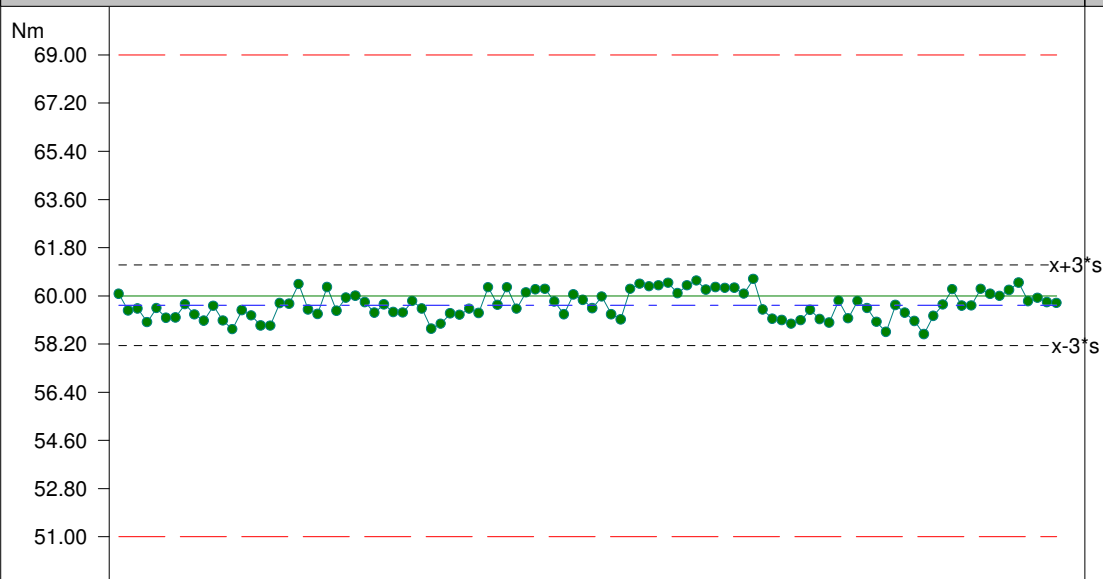
BMW AG
TP-521

MFU vom 26.11.2009

Artmann
Tel. 08731-76-31002

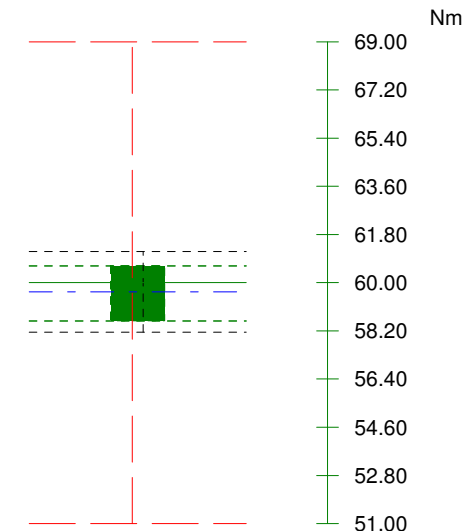
Gedruckt am:
01.12.2009 11:55:27
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Einzelwertkarte

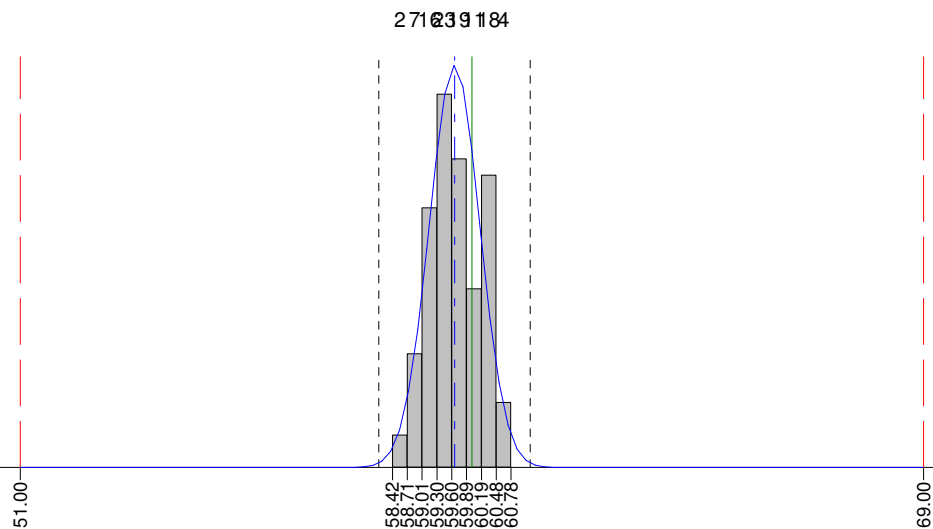


statistische Kenndaten

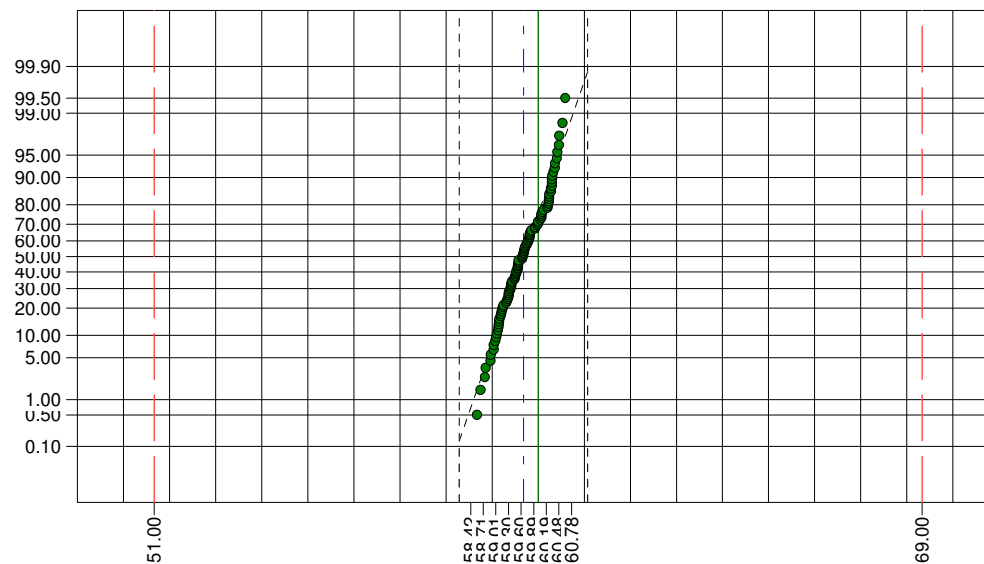
Cm: 5.97
Cmk: 5.74
Tol. unten: 51.00
Tol. oben: 69.00
Sollwert: 60.00
Maximum: 60.63
Minimum: 58.57
x-quer: 59.65
s: 0.50
x + 3s: 61.16
x - 3s: 58.15
Anzahl Messwerte: 100
Winkel: 0
Verschraubungsklasse: 3 Klasse 3
rechtsdrehend
mittlere Geschwindigkeit: 174



Häufigkeitsbild



Wahrscheinlichkeitsnetz



Prototyp - Prototyp - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

MFU vom 26.11.2009 auf 3860 (3860SK.031 - 3860SK.031) Zelle/Kanal 3

Einheit: Nm
Normalverteilung

Anzahl Messwerte: 100
Toleranz
Mittelwert (x-quer): 59.65
Standardabweichung: 0.50
Sollwert

Cm: 5.97
Cmk: 5.74
Mittelwert (x-quer): 59.65
6s (x ± 3 s)
i.O.



Prototyp - Prototyp - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

BMW AG
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MFU vom 26.11.2009

Artmann
08731-76-31002Gedruckt am:
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Seite 2/2

Einzelwerte

1. 60.07 Nm (353.00°)	21. 59.49 Nm (339.00°)	41. 59.66 Nm (327.00°)	61. 60.39 Nm (309.00°)	81. 59.03 Nm (334.00°)
2. 59.45 Nm (347.00°)	22. 59.32 Nm (331.00°)	42. 60.32 Nm (335.00°)	62. 60.57 Nm (308.00°)	82. 58.65 Nm (330.00°)
3. 59.53 Nm (346.00°)	23. 60.33 Nm (346.00°)	43. 59.52 Nm (321.00°)	63. 60.23 Nm (304.00°)	83. 59.66 Nm (330.00°)
4. 59.01 Nm (345.00°)	24. 59.44 Nm (337.00°)	44. 60.13 Nm (329.00°)	64. 60.32 Nm (304.00°)	84. 59.37 Nm (334.00°)
5. 59.54 Nm (346.00°)	25. 59.93 Nm (338.00°)	45. 60.24 Nm (326.00°)	65. 60.30 Nm (298.00°)	85. 59.06 Nm (320.00°)
6. 59.17 Nm (344.00°)	26. 60.00 Nm (340.00°)	46. 60.26 Nm (327.00°)	66. 60.30 Nm (300.00°)	86. 58.57 Nm (324.00°)
7. 59.19 Nm (338.00°)	27. 59.76 Nm (341.00°)	47. 59.79 Nm (312.00°)	67. 60.08 Nm (296.00°)	87. 59.25 Nm (328.00°)
8. 59.69 Nm (344.00°)	28. 59.37 Nm (336.00°)	48. 59.31 Nm (317.00°)	68. 60.63 Nm (294.00°)	88. 59.67 Nm (317.00°)
9. 59.30 Nm (342.00°)	29. 59.68 Nm (336.00°)	49. 60.05 Nm (322.00°)	69. 59.49 Nm (287.00°)	89. 60.25 Nm (327.00°)
10. 59.07 Nm (333.00°)	30. 59.39 Nm (332.00°)	50. 59.84 Nm (318.00°)	70. 59.14 Nm (353.00°)	90. 59.63 Nm (330.00°)
11. 59.63 Nm (342.00°)	31. 59.37 Nm (337.00°)	51. 59.54 Nm (317.00°)	71. 59.09 Nm (354.00°)	91. 59.64 Nm (328.00°)
12. 59.07 Nm (336.00°)	32. 59.81 Nm (339.00°)	52. 59.97 Nm (309.00°)	72. 58.95 Nm (344.00°)	92. 60.26 Nm (328.00°)
13. 58.75 Nm (333.00°)	33. 59.52 Nm (335.00°)	53. 59.31 Nm (309.00°)	73. 59.08 Nm (350.00°)	93. 60.07 Nm (318.00°)
14. 59.46 Nm (339.00°)	34. 58.77 Nm (330.00°)	54. 59.12 Nm (311.00°)	74. 59.47 Nm (340.00°)	94. 60.00 Nm (321.00°)
15. 59.26 Nm (340.00°)	35. 58.96 Nm (326.00°)	55. 60.26 Nm (317.00°)	75. 59.13 Nm (340.00°)	95. 60.22 Nm (323.00°)
16. 58.89 Nm (334.00°)	36. 59.34 Nm (330.00°)	56. 60.45 Nm (319.00°)	76. 59.00 Nm (335.00°)	96. 60.49 Nm (323.00°)
17. 58.88 Nm (338.00°)	37. 59.29 Nm (327.00°)	57. 60.35 Nm (308.00°)	77. 59.82 Nm (342.00°)	97. 59.80 Nm (315.00°)
18. 59.73 Nm (344.00°)	38. 59.52 Nm (329.00°)	58. 60.39 Nm (303.00°)	78. 59.16 Nm (334.00°)	98. 59.92 Nm (316.00°)
19. 59.70 Nm (337.00°)	39. 59.35 Nm (317.00°)	59. 60.49 Nm (299.00°)	79. 59.80 Nm (334.00°)	99. 59.76 Nm (310.00°)
20. 60.44 Nm (346.00°)	40. 60.32 Nm (338.00°)	60. 60.10 Nm (302.00°)	80. 59.54 Nm (330.00°)	100. 59.73 Nm (310.00°)

Prototyp - Prototyp - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

MFU vom 26.11.2009 auf 3860 (3860SK.031 - 3860SK.031) Zelle/Kanal 3

Einheit: Nm
NormalverteilungAnzahl Messwerte: 100
ToleranzMittelwert (x-quer): 59.65
Standardabweichung: 0.50
Sollwert

Cm: 5.97

Cmk: 5.74

i.O.

Mittelwert (x-quer):

6s (x ± 3 s)

Kurvengrafik

Drehm.

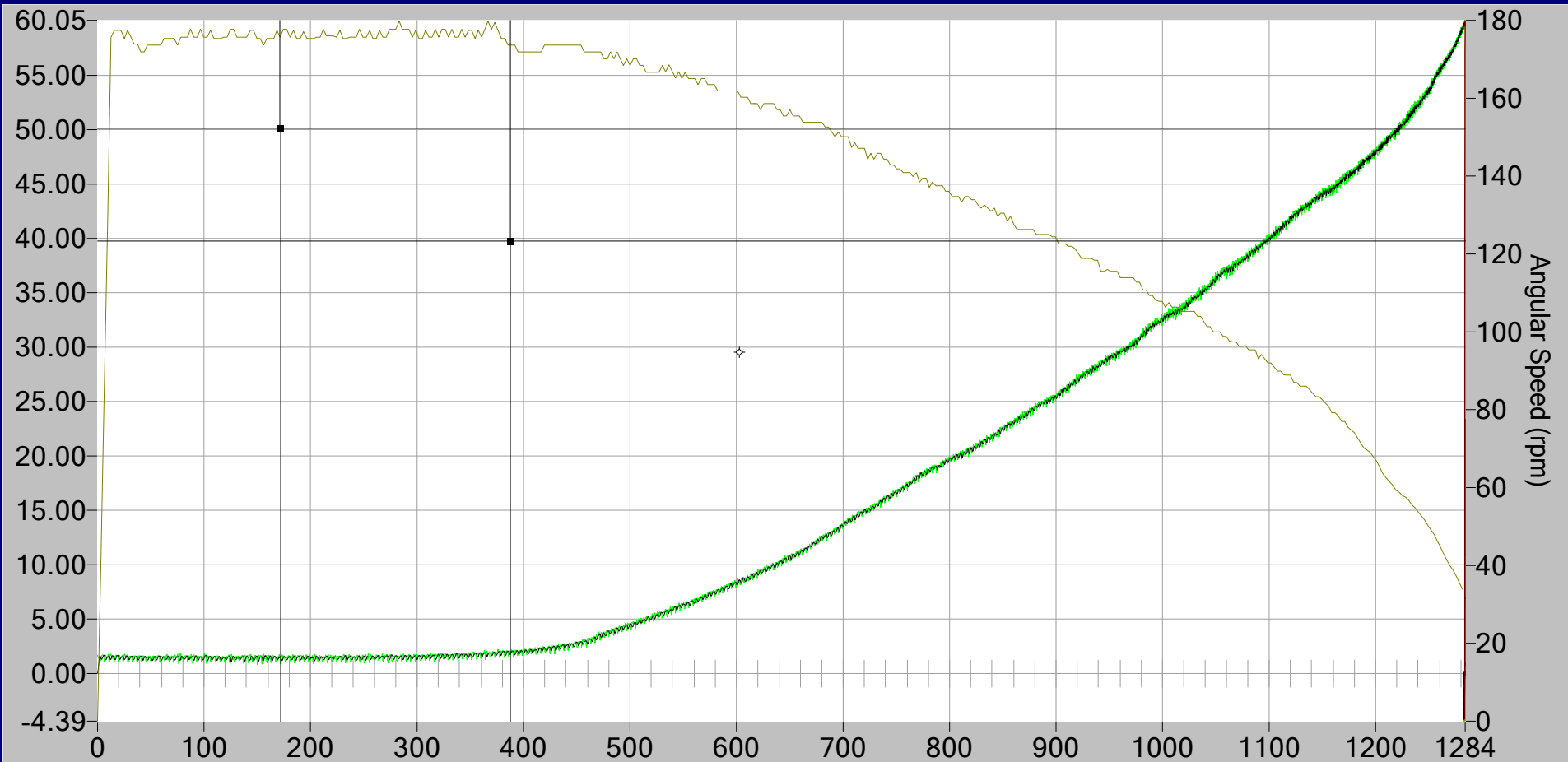
59.92

Winkel

316

Freq.

4000



Grenzfreq. 300 Hz

°: 602.691, Nm: 29.54

Drehm.-Zeit



Drehm.-Winkel

View Speed

☒ On/Off

Zoom

Drehm.



Geschwind.

Zoom

Restore

Laden

Speichern

Filter

Drucken

Ende

Kurvengrafik

Drehm.

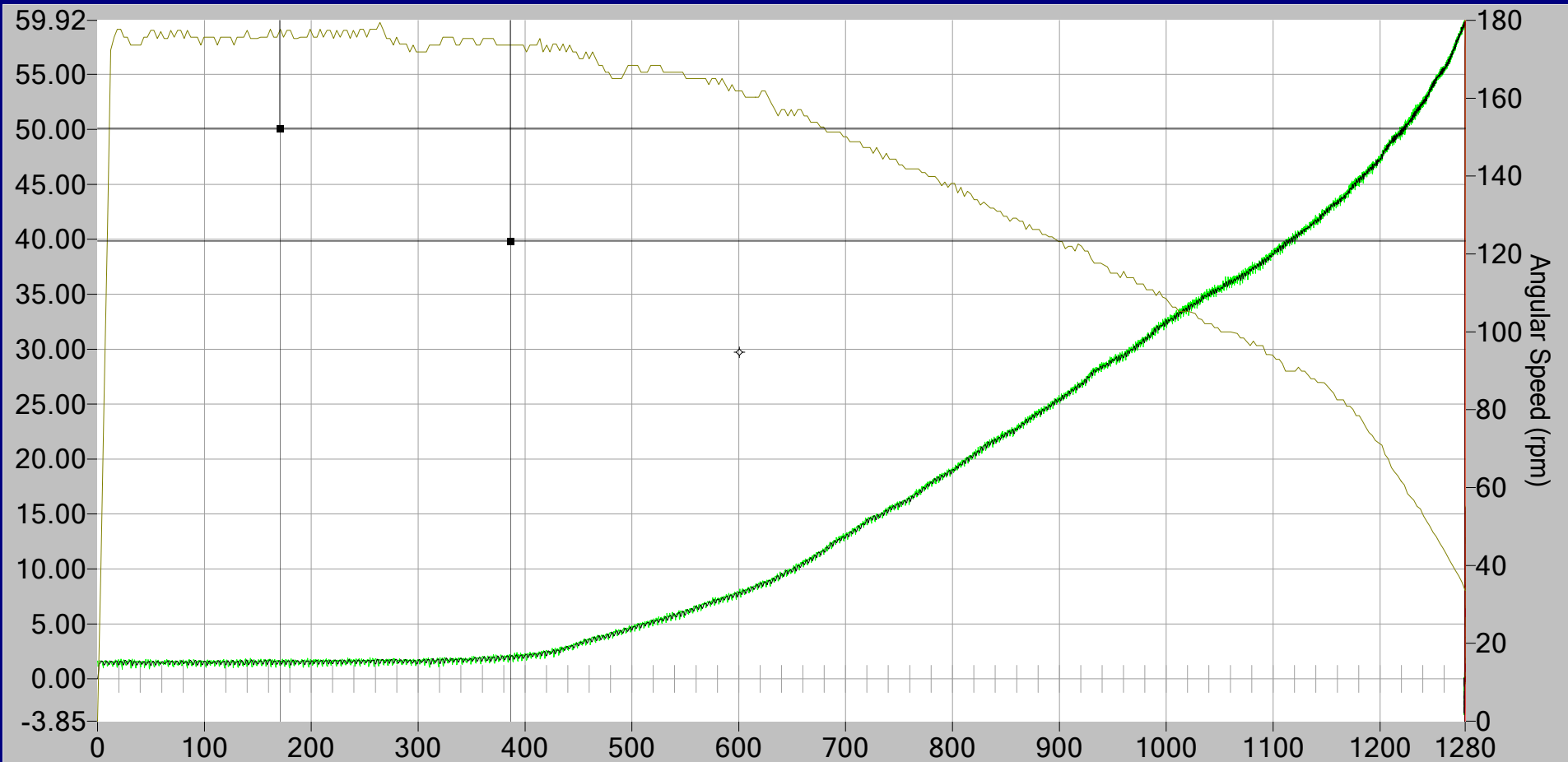
59.76

Winkel

310

Freq.

4000



Grenzfreq. 300 Hz

°: 600.637, Nm: 29.72

Drehm.-Zeit



Drehm.-Winkel

View Speed

☒ On/Off

Zoom

Drehm.



Geschwind.

Zoom

Restore

Laden

Speichern

Filter

Drucken

Ende