



Prototyp2 - Prototyp2 - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

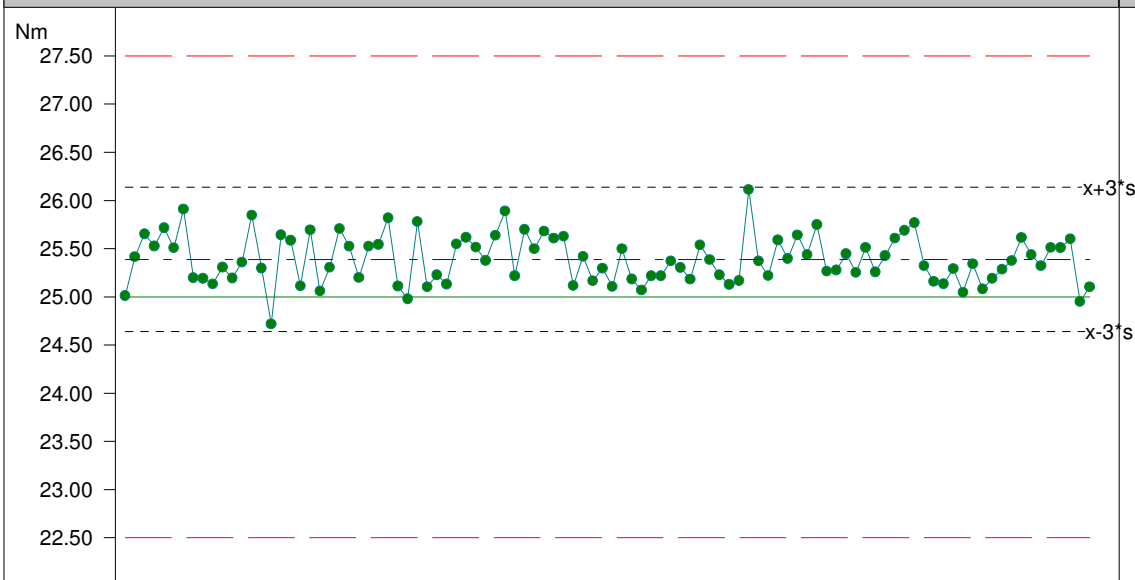
BMW AG
TP-521

vom 13.07.2010

Artmann
Tel. 08731-76-31002

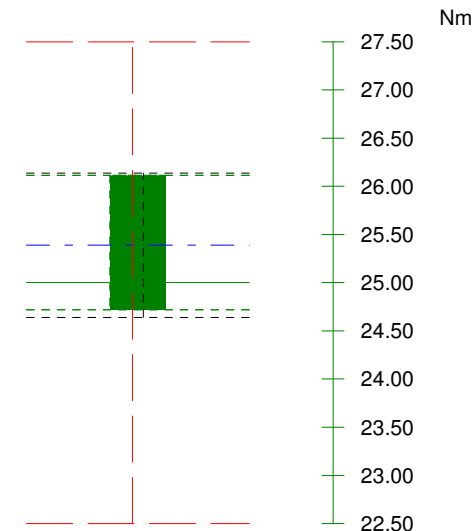
Gedruckt am:
16.07.2010 11:21:52
Seite 1/2

Einzelwertkarte

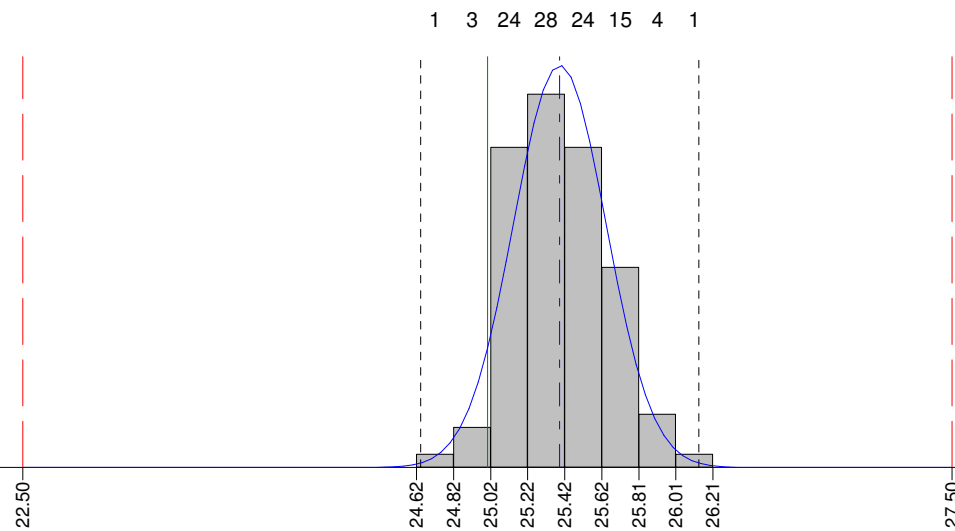


statistische Kenndaten

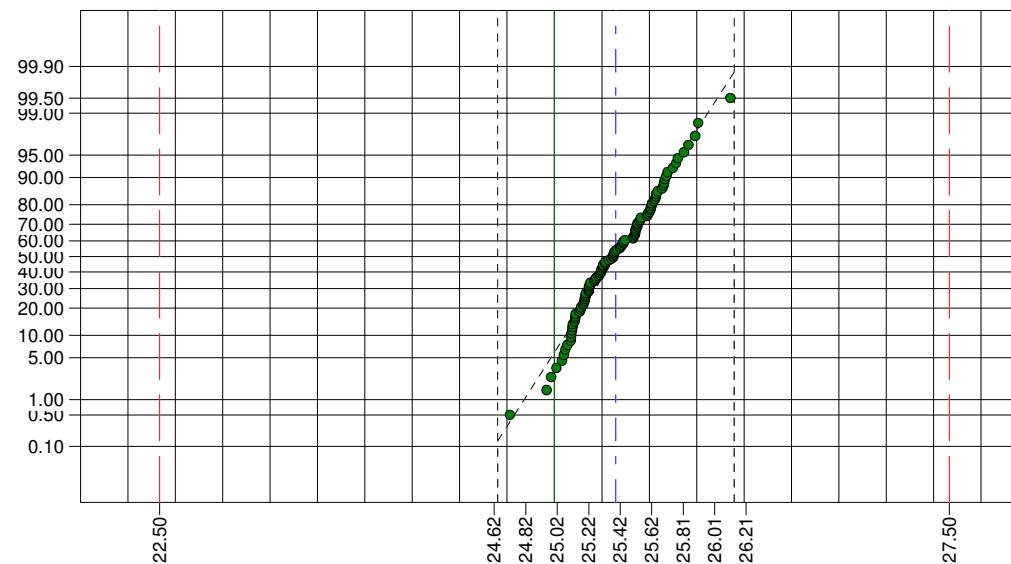
Cm: 3.34
Cmk: 2.82
Tol. unten: 22.50
Tol. oben: 27.50
Sollwert: 25.00
Maximum: 26.11
Minimum: 24.72
x-Quer: 25.39
s: 0.25
x + 3s: 26.14
x - 3s: 24.64
Anzahl Messwerte: 100
Winkel: 30
Verschraubungsklasse: 31 Klasse 3 Labor
rechtsdrehend
mittlere Geschwindigkeit: 176



Häufigkeitsbild



Wahrscheinlichkeitsnetz



Prototyp2 - Prototyp2 - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

MFU vom 13.07.2010 auf 3860 (3860SK.031 - 3860SK.031) Zelle/Kanal 2

Einheit: Nm
Normalverteilung

Anzahl Messwerte: 100
Toleranz

Mittelwert (x-quer): 25.39
Standardabweichung: 0.25
Sollwert

Cm: 3.34
Cmk: 2.82
Mittelwert (x-quer):

6s (x ± 3 s) i.O.



Einzelwerte

1.	25.01 Nm (32.00°)	21.	25.06 Nm (32.00°)	41.	25.22 Nm (31.00°)	61.	25.38 Nm (31.00°)	81.	25.69 Nm (33.00°)
2.	25.41 Nm (34.00°)	22.	25.31 Nm (32.00°)	42.	25.70 Nm (33.00°)	62.	25.23 Nm (31.00°)	82.	25.77 Nm (33.00°)
3.	25.65 Nm (33.00°)	23.	25.71 Nm (33.00°)	43.	25.50 Nm (32.00°)	63.	25.13 Nm (32.00°)	83.	25.32 Nm (31.00°)
4.	25.53 Nm (33.00°)	24.	25.52 Nm (32.00°)	44.	25.68 Nm (33.00°)	64.	25.17 Nm (31.00°)	84.	25.16 Nm (30.00°)
5.	25.72 Nm (33.00°)	25.	25.20 Nm (31.00°)	45.	25.61 Nm (33.00°)	65.	26.11 Nm (33.00°)	85.	25.14 Nm (31.00°)
6.	25.51 Nm (32.00°)	26.	25.53 Nm (32.00°)	46.	25.63 Nm (32.00°)	66.	25.37 Nm (31.00°)	86.	25.29 Nm (32.00°)
7.	25.91 Nm (33.00°)	27.	25.54 Nm (33.00°)	47.	25.12 Nm (31.00°)	67.	25.22 Nm (31.00°)	87.	25.05 Nm (32.00°)
8.	25.20 Nm (31.00°)	28.	25.82 Nm (34.00°)	48.	25.42 Nm (32.00°)	68.	25.59 Nm (33.00°)	88.	25.34 Nm (32.00°)
9.	25.19 Nm (33.00°)	29.	25.11 Nm (32.00°)	49.	25.17 Nm (31.00°)	69.	25.40 Nm (32.00°)	89.	25.08 Nm (31.00°)
10.	25.13 Nm (32.00°)	30.	24.98 Nm (31.00°)	50.	25.30 Nm (32.00°)	70.	25.64 Nm (34.00°)	90.	25.19 Nm (31.00°)
11.	25.31 Nm (32.00°)	31.	25.78 Nm (34.00°)	51.	25.11 Nm (32.00°)	71.	25.44 Nm (32.00°)	91.	25.29 Nm (31.00°)
12.	25.20 Nm (32.00°)	32.	25.10 Nm (31.00°)	52.	25.50 Nm (32.00°)	72.	25.75 Nm (32.00°)	92.	25.38 Nm (32.00°)
13.	25.36 Nm (32.00°)	33.	25.23 Nm (31.00°)	53.	25.18 Nm (31.00°)	73.	25.27 Nm (30.00°)	93.	25.61 Nm (33.00°)
14.	25.85 Nm (32.00°)	34.	25.13 Nm (31.00°)	54.	25.07 Nm (31.00°)	74.	25.28 Nm (31.00°)	94.	25.44 Nm (32.00°)
15.	25.30 Nm (31.00°)	35.	25.55 Nm (32.00°)	55.	25.22 Nm (31.00°)	75.	25.45 Nm (32.00°)	95.	25.32 Nm (31.00°)
16.	24.72 Nm (30.00°)	36.	25.62 Nm (32.00°)	56.	25.22 Nm (32.00°)	76.	25.25 Nm (31.00°)	96.	25.51 Nm (30.00°)
17.	25.64 Nm (32.00°)	37.	25.51 Nm (32.00°)	57.	25.37 Nm (33.00°)	77.	25.51 Nm (32.00°)	97.	25.51 Nm (32.00°)
18.	25.59 Nm (33.00°)	38.	25.38 Nm (32.00°)	58.	25.30 Nm (32.00°)	78.	25.26 Nm (31.00°)	98.	25.60 Nm (32.00°)
19.	25.11 Nm (32.00°)	39.	25.64 Nm (33.00°)	59.	25.18 Nm (31.00°)	79.	25.43 Nm (32.00°)	99.	24.95 Nm (31.00°)
20.	25.69 Nm (34.00°)	40.	25.89 Nm (32.00°)	60.	25.54 Nm (31.00°)	80.	25.61 Nm (33.00°)	100.	25.10 Nm (31.00°)

Prototyp2 - Prototyp2 - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

MFU vom 13.07.2010 auf 3860 (3860SK.031 - 3860SK.031) Zelle/Kanal 2

Einheit: Nm
NormalverteilungAnzahl Messwerte: 100
ToleranzMittelwert (x-quer): 25.39
Standardabweichung: 0.25
Sollwert

Cm: 3.34

Cmk: 2.82

i.O.

6s (x ± 3 s) -----

Kurvengrafik

Drehm.

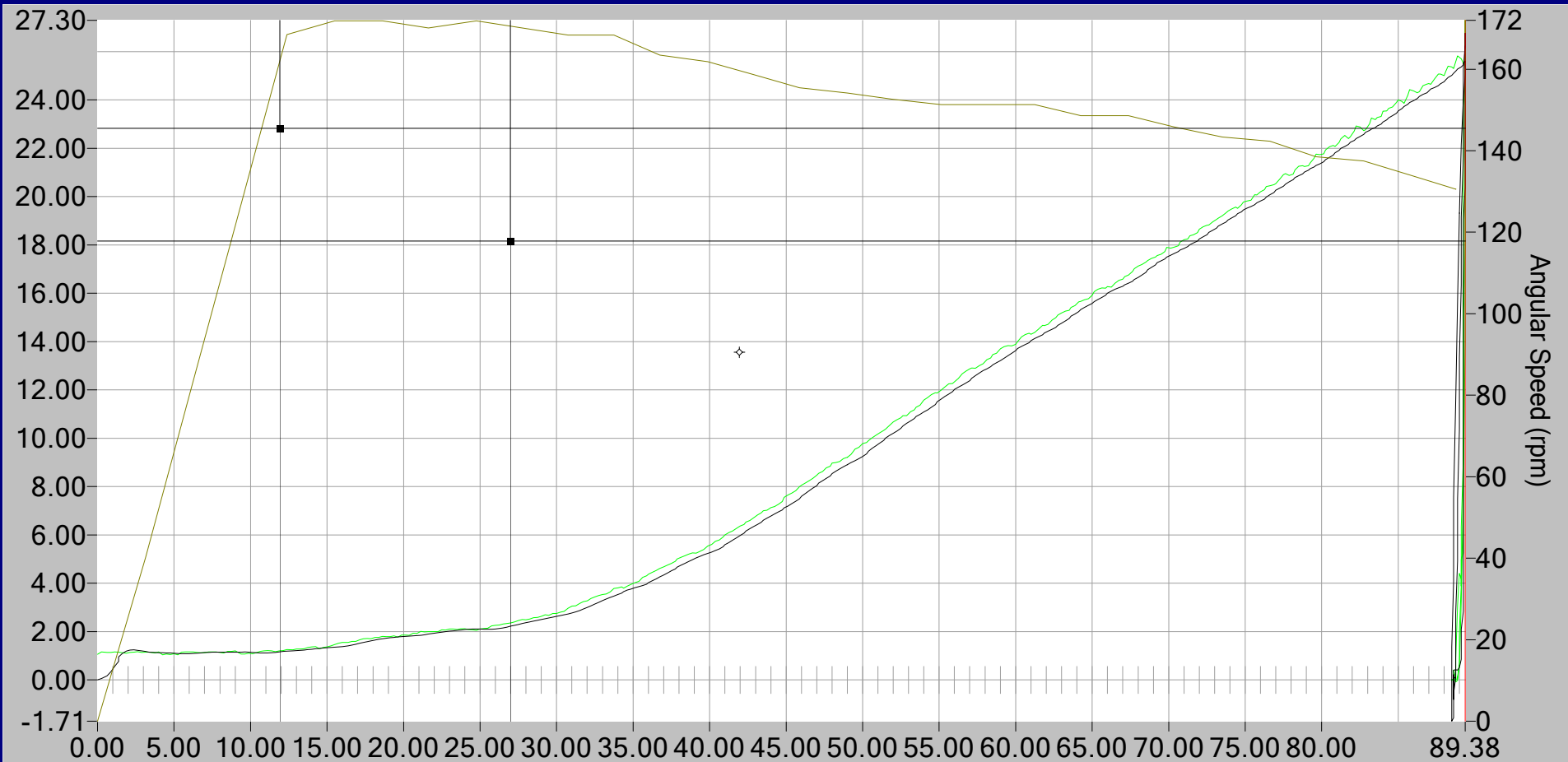
25.60

Winkel

32

Freq.

4000



Grenzfreq. 300 Hz

°: 41.947, Nm: 13.56

Drehm.-Zeit



Drehm.-Winkel

View Speed

☒ On/Off

Zoom

Drehm.



Geschwind.

Zoom

Restore

Laden

Speichern

Filter

Drucken

Ende

Kurvengrafik

Drehm.

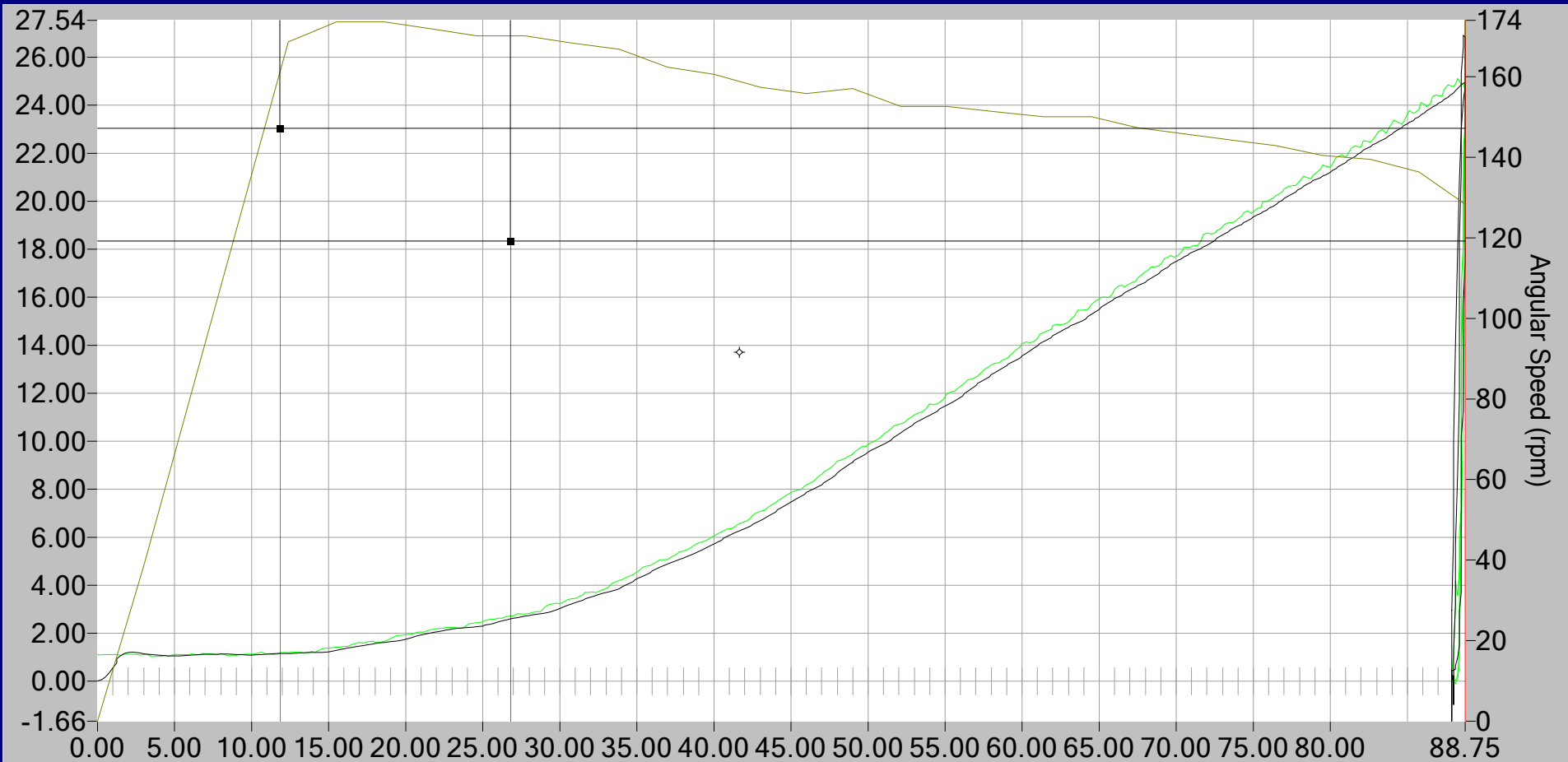
24.95

Winkel

31

Freq.

4000



Grenzfreq. 300 Hz

°: 41.654, Nm: 13.71

Drehm.-Zeit



Drehm.-Winkel

View Speed

☒ On/Off

Zoom

Drehm.



Geschwind.

Zoom

Restore

Laden

Speichern

Filter

Drucken

Ende