



## HiCAD Configuration Management

Version 2022

System Files in the Configuration Management

Date of issue: 08/04/2022

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## Transfer of DAT Files to the Configuration Editor

As of Version 1700, HiCAD enables a central configuration management via the **Configuration Editor**. This tool allows the creation of customer-specific configurations for a wide range of tasks, such as dimensioning, annotation, workshop drawing creation, fitting of vertical ladders etc. Once adjusted to company-specific requirements, these configurations can directly be used in HiCAD, without having to specify any further settings.

The goal of our further developments is a gradual transfer of the previously used system files with their adjustable parameter settings into the Configuration Editor, thus enabling a central and safe configuration management.

This transfer has already been realised for the following files:

- ALGPAR.DAT (as of 1800.0)
- BEMPAR.DAT (as of 1800.0)
- DIMENSIONING\_SETTINGS.XML (as of 1800.0)
- STBEMPAR.DAT (as of 1801.0)
- KRPGEN.DAT (as of 1801.0)
- MASPAR.DAT (as of 1801.1)
- FITTABLE\_SETTINGS.XML (as of 1801.0)
- TXTANSI.DAT (as of 1801.1)
- STABMPAR.DAT (as of 1802.0)
- AUBM3PAR.DAT (as of 1802.0)
- ALG3DPAR.DAT (as of 1901.0)
- SCHRIF.DAT (as of 1901.0)
- TXTFONT.DAT (as of 1901.0)
- FEATURE.DAT (as of 1901.0)
- LINPAR.DAT (as of 1901.0)
- SSWRITESTEP.DAT (as of 1901.0)
- NORM.DAT (as of 2000.0)
- PASSTAB.DAT (as of 2000.0)
- PASSTAB0.DAT (as of 2000.0)
- ANSGEN.DAT (as of 2100.0)
- PARAMASS.DAT (as of 2101)
- SSTINI3D.DAT (as of 2102)
- SSTINI.DAT (as of 2102)
- STB\_PARAMETER.DAT (as of 2102)
- GRAPAR.DAT (as of 2201)
- KNTPAR.DAT (as of 2202)
- REF3D\_ATTR\_AKT.DAT (as of 2300)
- TXTPAR.DAT (as of 2300)
- TABPAR.DAT (as of 2400)
- ABWPAR.DAT (as of 2402)

- ABWCOL.DAT (as of 2402)
- ABWPOL.DAT (as of 2500)
- KRPMOD.DAT (as of 2700)
- SKIZZTEC.DAT (as of 2701)

The settings from the files were transferred to the Configuration Editor. The linked lists or the PDF file shows you where to find the settings from the DAT files in the Configuration Editor (Key names).

Key names.PDF

If the PDF file will not be displayed in the Internet Explorer, use a different browser , or right-click on the link and select **Save target as**.

Various information contained in the Online Help of the Configuration Management can also be found in the PDF file ISD-Configuration.pdf.

## ABWCOL.DAT

The settings from the file ABWCOL.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in ABWCOL.DAT                         | Key name                                                                                                                                                                                             |
|------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1. Blech: Schicht,Farbe,Staerke,Art abcbh<br>1011 |                                                                                                                 |
| 3    | Farbe 2: Bogen aussen abcba<br>1011               |                                                                                                                 |
| 5    | Farbe 3: Mitte Bogen aussen abcma<br>1011         |                                                                                                                 |
| 7    | Farbe 4: Bogen innen abcbi<br>11                  |                                                                                                                 |
| 9    | Farbe 5: Mitte Bogen innen abcmi<br>11            |                                                                                                                 |
| 11   | Farbe 6: Farbe 2D-Abwicklung abcab<br>1011        | Compatibility > 2dDevelopment > LineProperties<br>> abcab_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> abcab_color<br>Compatibility > 2dDevelopment > LineProperties<br>> abcab_type |

| Line | Description in ABWCOL.DAT                   | Key name                                                                                                                                                                                             |
|------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13   | Farbe 7: Farbe Biegezone abcbz<br>2111      | Compatibility > 2dDevelopment > LineProperties<br>> abcbz_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> abcbz_color<br>Compatibility > 2dDevelopment > LineProperties<br>> abcbz_type |
| 15   | Farbe 8: Farbe Biegelinie abcbi<br>2411     | Compatibility > 2dDevelopment > LineProperties<br>> abcbi_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> abcbi_color<br>Compatibility > 2dDevelopment > LineProperties<br>> abcbi_type |
| 17   | Farbe 9: Farbe strichliert abcsi<br>2413    | Compatibility > 2dDevelopment > LineProperties<br>> abcsi_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> abcsi_color<br>Compatibility > 2dDevelopment > LineProperties<br>> abcsi_type |
| 19   | Farbe 9: Farbe 3D-ABW abcol<br>401 1411     | ✗                                                                                                                                                                                                    |
| 21   | Farbe 10: Achsenmittelkreuze abmit<br>32414 | ✗                                                                                                                                                                                                    |
| 23   | Farbe 11: Stempel abste<br>32011            | Compatibility > 2dDevelopment > LineProperties<br>> abste_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> abste_color<br>Compatibility > 2dDevelopment > LineProperties<br>> abste_type |
| 25   | Farbe Biegetexte abtco<br>5                 | Compatibility > 2dDevelopment > LineProperties<br>> abtco                                                                                                                                            |
| 27   | Texthoehe Biegetexte abtho<br>3.5           | Compatibility > 2dDevelopment > LineProperties<br>> abtho                                                                                                                                            |

| Line | Description in ABWCOL.DAT                                                                                                        | Key name                                                                                                                                                                                             |
|------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 29   | Textfont Biegetexte abtfo<br>2                                                                                                   | Compatibility > 2dDevelopment > LineProperties<br>> abtfo                                                                                                                                            |
| 31   | Farbe 12: Umformkanten abcfo<br>32511                                                                                            | Compatibility > 2dDevelopment > LineProperties<br>> abcfo_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> abcfo_color<br>Compatibility > 2dDevelopment > LineProperties<br>> abcfo_type |
| 33   | Schicht Biegetexte abtsc<br>2                                                                                                    | Compatibility > 2dDevelopment > LineProperties<br>> abtsc                                                                                                                                            |
| 35   | Farbe Werkzeugnummer abwco<br>5                                                                                                  | Compatibility > 2dDevelopment > LineProperties<br>> abwco                                                                                                                                            |
| 37   | Texthoehe Werkzeugnummer abwho<br>3.5                                                                                            | Compatibility > 2dDevelopment > LineProperties<br>> abwho                                                                                                                                            |
| 39   | Textfont Werkzeugnummer abwfo<br>2                                                                                               | ✗                                                                                                                                                                                                    |
| 41   | Schicht Werkzeugnummer abwsc<br>3                                                                                                | Compatibility > 2dDevelopment > LineProperties<br>> abwsc                                                                                                                                            |
| 43   | Farbe Praegungen (-1 --> wie Stempel) (abwcz)<br>-1                                                                              | Compatibility > 2dDevelopment > LineProperties<br>> abwcz                                                                                                                                            |
| 45   | Schicht, Farbe, Staerke, Art der Beschichtungsseite des 2D-Blechschnittes (abbes)<br>2413                                        | ✗                                                                                                                                                                                                    |
| 47   | Darstellung Biegelinie 0=durchgezogen, 1= pos. Winkel verkuerzt, 2= neg. Winkel verkuerzt, 3= alle Winkel verkuerzt (abrep)<br>0 | Compatibility > 2dDevelopment > LineProperties<br>> abrep                                                                                                                                            |
| 49   | Abstand von Rand positive Winkel (abwdp)<br>2.0                                                                                  | Compatibility > 2dDevelopment > LineProperties<br>> abwdp                                                                                                                                            |
| 51   | Abstand vom Rand negative Winkel (abwdn)<br>4.0                                                                                  | Compatibility > 2dDevelopment > LineProperties<br>> abwdn                                                                                                                                            |
| 53   | Laenge positive Winkel (abwlp)<br>10.0                                                                                           | Compatibility > 2dDevelopment > LineProperties<br>> abwlp                                                                                                                                            |

| Line | Description in ABWCOL.DAT                                                                                                                                                                      | Key name                                                                                                                                                                                                                                 |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 55   | Laenge negative Winkel (abwln)<br>5.0                                                                                                                                                          | Compatibility > 2dDevelopment > LineProperties<br>> abtwin                                                                                                                                                                               |
| 57   | Farbe der gefasteten Kanten in der 2D-Abwicklung (-1 = wie Umriss)<br>(abgfk)<br>1                                                                                                             | Compatibility > 2dDevelopment > LineProperties<br>> abgfk                                                                                                                                                                                |
| 59   | Biegelinienfarbe soll in Abhängigkeit vom Biegewinkel gesetzt werden; Datei "sys/abwcol_bend_angle.dat" (1: Eigenschaften aus Datei lesen; 0: nicht aus Datei) (abang)<br>0                    | Compatibility > 2dDevelopment > LineProperties<br>> ahang                                                                                                                                                                                |
| 61   | Kanteneigenschaften für Aufreißkanten beim analytischen Abwickeln; Schicht (0-999), Farbe(0-9), Stärke(0-9), Art(0-9); < 0:Kanteneigenschaften von Aufreißkanten werden nicht gesetzt<br>-1011 | Compatibility > 2dDevelopment > LineProperties<br>> snatchingproperty_layer<br>Compatibility > 2dDevelopment > LineProperties<br>> snatchingproperty_color<br>Compatibility > 2dDevelopment > LineProperties<br>> snatchingproperty_type |

## ABWPAR.DAT

The settings from the file ABWPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in ABWPAR.DAT                                                                        | Key name                                                                              |
|------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 3    | Grundblechname blna (outdated)<br>Dummy                                                          |  |
| 5    | laschenflag: Bogen_und_Blech 0=EIN_Koerper, 1=Subkoerper, 2=2_Koerper, 3=neu (outdated)<br>Dummy |  |
| 7    | maximal moegliche Blechdicke bldimax<br>1000.                                                    | SheetMetal > Pre-settings > bldimax                                                   |
| 9    | Blechdicke bldi<br>2.                                                                            |  |
| 11   | Blechbreite blbr<br>0.                                                                           |  |
| 13   | Biegeradius blra<br>1.                                                                           |  |
| 15   | Blechlaenge bll1<br>100.                                                                         |  |

| Line | Description in ABWPAR.DAT                                                  | Key name                               |
|------|----------------------------------------------------------------------------|----------------------------------------|
| 17   | Blechlaenge bll2<br>100.                                                   | ✗                                      |
| 19   | Blechlaenge/hoehe blh1<br>100.                                             | ✗                                      |
| 21   | Biegewinkel blxi<br>90.                                                    | ✗                                      |
| 23   | Schnittluft blsp<br>0.5                                                    | ✗                                      |
| 25   | Abstand bla1<br>0.                                                         | ✗                                      |
| 27   | Abstand bla2<br>0.                                                         | ✗                                      |
| 29   | Laenge wird abgefragt lblank<br>.true.                                     | ✗                                      |
| 31   | Mit Zusaetzzen lbzus.<br>true.                                             | ✗                                      |
| 33   | Kollisionspruefung lbkol<br>.false.                                        | ✗                                      |
| 35   | Freistich fwa1<br>0.                                                       | SheetMetal > Pre-<br>settings > fwa1   |
| 37   | Freistich fwb1<br>0.                                                       | SheetMetal > Pre-<br>settings > fwb1   |
| 39   | Freistich fwa2<br>0.                                                       | SheetMetal > Pre-<br>settings > fwa2   |
| 41   | Freistich fwb2<br>0.                                                       | SheetMetal > Pre-<br>settings > fwb2   |
| 43   | Einschneidemodus ibein<br>1                                                | SheetMetal > Pre-<br>settings > ibein  |
| 45   | Freistichflag ibfr1<br>0                                                   | SheetMetal > Pre-<br>settings > ibfr1  |
| 47   | Freistichflag ibfr2<br>0                                                   | SheetMetal > Pre-<br>settings > ibfr2  |
| 49   | Blechdicke sble<br>2.                                                      | ✗                                      |
| 51   | Anschlusswinkel fdelta=16grad(2.7925d-1), 31=5.41d-1, 23=.4014<br>.4014257 | SheetMetal > Pre-<br>settings > fdelta |
| 53   | Faktorendatei abwfk<br>'R:DIN6935.ABW'                                     | SheetMetal > Pre-<br>settings > abwfk  |
| 55   | Simulation manuell isman (outdated)<br>Dummy                               | ✗                                      |

| Line | Description in ABWPAR.DAT                                                            | Key name                                   |
|------|--------------------------------------------------------------------------------------|--------------------------------------------|
| 57   | Simulation mit warten iswait (outdated)<br>Dummy                                     | ✗                                          |
| 59   | Simulation mit Animation isani (outdated)<br>Dummy                                   | ✗                                          |
| 61   | 2D mit Biegezonen if2db<br>.false.                                                   | Compatibility > 2dDevelopment > if2db      |
| 63   | 2D mit Biegekanten if2dk<br>.true                                                    | Compatibility > 2dDevelopment > if2dk      |
| 65   | 2D mit Winkel if2dw<br>1                                                             | Compatibility > 2dDevelopment > if2dw      |
| 67   | 2D mit Radius if2dr<br>.false.                                                       | Compatibility > 2dDevelopment > if2dr      |
| 69   | 2D mit allen Anschlusskanten (Rotationskoerepabwicklung) (ifrot)<br>.false.          | Compatibility > 2dDevelopment > ifrot      |
| 71   | Rueckfederungsfaktor fuer 1/1 abrk1 (outdated)<br>Dummy                              | SheetMetal > Pre-settings > abrk1          |
| 73   | Rueckfederungsfaktor fuer 1/10 abrk2<br>1.                                           | SheetMetal > Pre-settings > abrk2          |
| 75   | Kennung Normalwerkzeuge (outdated)<br>Dummy                                          | ✗                                          |
| 77   | Kennung Sonderwerkzeuge (outdated)<br>Dummy                                          | ✗                                          |
| 79   | Kennung Gewindeloecher (outdated)<br>Dummy                                           | ✗                                          |
| 81   | Lochabstandpruefung: (outdated)<br>0.d0, 2.d0, 0.d0                                  | ✗                                          |
| 83   | Approximationsmaß Biegezone (Polygonpunkt pro Viertelkreis)<br>4                     | ✗                                          |
| 85   | Facettengrenztestverfahren alt (1) neu (0) (outdated)<br>Dummy                       | ✗                                          |
| 87   | Anzahl der Zusatztexte bei Biegewinkel (0=keine, 1=positiv, 2=negativ, 3=beide)<br>0 | Compatibility > 2dDevelopment > iztxt      |
| 89   | Zusatztext fuer positive Biegewinkel<br>(nach oben)                                  | Compatibility > 2dDevelopment > auxTextPos |
| 91   | Zusatztext fuer negative Biegewinkel<br>(nach unten)                                 | Compatibility > 2dDevelopment > auxTextNeg |
| 93   | Strichart freier Kanten (-1=Ignorieren, 0=uebernehmen, 1=Darst. berechnen)<br>1      | Compatibility > 2dDevelopment > abwfkant   |
| 95   | Schichtnummer fuer Blechlaschen<br>10                                                | SheetMetal > Pre-settings > ischlasche     |

| Line | Description in ABWPAR.DAT                                                                                               | Key name                                            |
|------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 97   | Schichtnummer fuer Biegezone<br>20                                                                                      | SheetMetal > Pre-<br>settings > ischbzone           |
| 99   | Freie Texte uebernehmen (abwftext)<br>1                                                                                 | ✗                                                   |
| 101  | Automatische Kreisbogenapproximation in 2D-Abwicklung<br>1                                                              | Compatibility > 2dDevel-<br>opment > abw2dkaprox    |
| 103  | Textfont fuer Signierungen (TXTFONT.DAT) (abwsignierfont)<br>3                                                          | SheetMetal > Pre-<br>settings > abwsig-<br>nierfont |
| 105  | TextArt fuer Signierungen (SCHRIF.DAT) (abwsigniertart)<br>3                                                            | SheetMetal > Pre-<br>settings > abwsig-<br>niertart |
| 107  | Biegekanten in Abwicklung bis Biegeradius :<br>9999.0                                                                   | Compatibility > 2dDevel-<br>opment > d2dmaxrad      |
| 109  | Biegezone zylindrisch (mit Segmentierung = 1, ohne Segmentierung<br>= 2)<br>2                                           | SheetMetal > Pre-<br>settings > ibzzyl              |
| 111  | Default Material (Table)<br>0                                                                                           | SheetMetal > Pre-<br>settings > abwdeftable<br>✗    |
| 113  | Default Material (Item)<br>0                                                                                            | SheetMetal > Pre-<br>settings > abwdeftable<br>✗    |
| 115  | Werkzeugnummer auf Abwicklung<br>0                                                                                      | Compatibility > 2dDevel-<br>opment > iwknznr        |
| 117  | Abmessungen aus Abwicklungskante (1 = \$L2D,\$B2D,\$T2D) (2 = 1 +<br>\$O2,\$O3,\$O4) (3= 1 + \$O4) (irichtung)<br>2     | Compatibility > 2dDevel-<br>opment > irichtung      |
| 119  | 2D-Zuschnitt in aktive Ansicht (2), aktives Zeichenblatt (1), oberste<br>Ebene, d.h. in jeder Ansicht sichtbar (0)<br>0 | Compatibility > 2dDevel-<br>opment > iaktblatt2d    |
| 121  | 2D-Zuschnitt Aktualisierungskontrolle (0=nein)<br>1                                                                     | Compatibility > 2dDevel-<br>opment > i2dupdate      |
| 123  | 2D-Zuschnitt Verkuerzung an Biegelinie schreiben (1/0=ja/nein)<br>0                                                     | Compatibility > 2dDevel-<br>opment > i2dzuschlag    |
| 125  | Bombierhoehe / winkel an Zuschnitt ( 1/2)<br>0                                                                          | Compatibility > 2dDevel-<br>opment > i2dwinkel      |
| 127  | Bleche stuecklistenrelevant (ja=1 , nein=0)<br>1                                                                        | SheetMetal > Pre-<br>settings > istkrel             |
| 129  | Stuecklistenattribute aktualisieren ( 0=nein, 1=beim Positionieren, 2<br>= immer)<br>2                                  | SheetMetal > Pre-<br>settings > istkakt             |

| Line | Description in ABWPAR.DAT                                                                                                                                                                            | Key name                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 131  | Abwicklungsverfahren auf Schicht an 2D-Abwicklung ( -1: kein Eintrag, 0...999 -> Schichtnummer )<br>-1                                                                                               | Compatibility > 2dDevelopment > i2dverfahren   |
| 133  | Ausrichtung autom. Blechabwicklung (0=Standard(erste/letzte Kante), 1=Laengste Kante, 2= Laengste Biegezone<br>0                                                                                     | Compatibility > 2dDevelopment > iautodevelopme |
| 135  | Attribute uebertragen (0 --> Keine Attribute; 1 -> nur Positionsnummer; 2 Alle Attribute)<br>0                                                                                                       | Compatibility > 2dDevelopment > icpypos        |
| 137  | Bezeichnung der Biegelinien an laengste(0) oder alle(1) Kanten einer unterbrochenen Biegelinie<br>0                                                                                                  | Compatibility > 2dDevelopment > ibltext        |
| 139  | Form der Biegelinienenden mit pos. Winkeln (0=Standard, 1=ausgestanztes Dreieck, 2=ausgestantzer Halbkreis)<br>0                                                                                     | Compatibility > 2dDevelopment > ifblinienendp  |
| 141  | Dreieckbreite, bzw. Kreisradius<br>4.0                                                                                                                                                               | Compatibility > 2dDevelopment > dbebreitep     |
| 143  | Dreiecktiefe<br>3.0                                                                                                                                                                                  | Compatibility > 2dDevelopment > dbetiefep      |
| 145  | Form der Biegelinienenden mit neg. Winkeln (0=Standard, 1=ausgestanztes Dreieck, 2=ausgestantzer Halbkreis)<br>0                                                                                     | Compatibility > 2dDevelopment > ifblinienendn  |
| 147  | Dreieckbreite, bzw. Kreisradius<br>4.0                                                                                                                                                               | Compatibility > 2dDevelopment > dbebreiten     |
| 149  | Dreiecktiefe<br>3.0                                                                                                                                                                                  | Compatibility > 2dDevelopment > dbetiefen      |
| 151  | Symbol für Bearbeitungsrichtung ergibt Abwicklungsrichtung ( 0 = Nein; KatalogTabellennummer = Ja)<br>521200724                                                                                      | Compatibility > 2dDevelopment > idirection     |
| 153  | CAM-relevante Mindestlinienlänge der Abwicklung<br>0.3                                                                                                                                               | SheetMetal > Export > dlength2d                |
| 155  | Nicht-Umrisslinien bei DXF-Ausgabe beruecksichtigen (1/0)<br>1                                                                                                                                       | SheetMetal > Export > iexportnclines           |
| 157  | Gewindelinien bei DXF-Ausgabe beruecksichtigen (1/0)<br>1                                                                                                                                            | SheetMetal > Export > iexportthreadlines       |
| 159  | Lage der Biegewinkelbeschriftung (2 = ohne Abstand über der Biegelinie, 1 = über der Biegelinie, 0 = zentriert auf der Biegelinie, -1 = unter der Biegelinie, -2 ohne Abstand unter Biegelinie)<br>1 | Compatibility > 2dDevelopment > ibwtextpos     |
| 161  | Sollen Formwerkzeuge in der Abwicklung durch Symbole ersetzt werden falls vorhanden (1 ja, 0 = nein)<br>0                                                                                            | Compatibility > 2dDevelopment > iformsymbol    |

| Line | Description in ABWPAR.DAT                                                                                                                                                                    | Key name                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 163  | Ausrichtung der im Zuschnitt erzeugten Texte (-1 = links, 0 = zentriert, 1 = rechts)<br>0                                                                                                    | Compatibility > 2dDevelopment > ibwtextalign |
| 165  | Anlagenspezifische Biegelinienbeschriftung (0=nein, 1=für LVD-Anlagen, 2=für Bystronic-Anlagen, >0:alle weiteren Biegelinientexte werden unterdrückt)<br>0                                   | Compatibility > 2dDevelopment > ibztooltext  |
| 167  | Zusätzliche Textangaben oberhalb des Zuschnitts (0=nein, 1=für LVD-Anlagen, 2=für Bystronic-Anlagen, 3= Textblock neben Zuschnitt. 4 = Textblock im Zuschnitt)<br>0                          | Compatibility > 2dDevelopment > iheadertext  |
| 169  | Umformkanten bei der DXF-Ausgabe berücksichtigen ( 0=nein, 1=ja)<br>1                                                                                                                        | SheetMetal > Export > iufkant2dxf            |
| 171  | Biegelinien bemaßen ( 0=nein, 1 = ja)<br>0                                                                                                                                                   | Compatibility > 2dDevelopment > ibendlinedim |
| 173  | Inhalt des Reports beim DXF Export mehrerer Bleche ( 0= Default (Name, Material, DXF-Datei inkl. Pfad, Länge, Breite, Dicke), 1 = erweitert um PosNr und DXF-Dateiname ohne Pfadangabe)<br>0 | SheetMetal > Export > iexportreportmode      |
| 175  | Dateiformat des Reports beim DXF Export mehrerer Bleche (0=Textdatei *.txt, 1= Excel-CSV-Datei *.csv)<br>0                                                                                   | SheetMetal > Export > iexportreportfiletype  |

## ABWPOL.DAT

The settings from the file ABWPOL.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in ABWPOL.DAT                                    | Key name                         |
|------|--------------------------------------------------------------|----------------------------------|
| 1    | Polyederabwicklung<br>Bezugslinie fuer neutrale Faser<br>0.5 | SheetMetal > Presettings > fpoly |

## ALG3DPAR.DAT

The settings from the file ALG3DPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in ALG3DPAR.DAT                                                                                  | Key name                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 2    | Art der Flächenidentifizierung: 0 = Flächen, 1 = zwei Kanten                                                 |  (Wert/Value = -1)          |
| 4    | Referenzkörper ein/aus: 0 = aus, 1 = ein ohne Speichern, 2 = ein mit Speichern                               | System > Referencing > IAKTREF3D                                                                             |
| 6    | Voreinstellungspfad Referenzkörper                                                                           |  (Wert/Value = L)           |
| 8    | Namensvergabe Wiederholungen: 0 = gleiche Namen, 1 = unterschiedliche Namen                                  |  (Wert/Value = -0)          |
| 10   | Voreinstellungspfad Referenzkörper grob                                                                      |  (Wert/Value = M)           |
| 12   | Voreinstellungspfad Referenzkörper fein                                                                      |  (Wert/Value = L)           |
| 14   | Test, ob Figur eine 3D-Figur ist: 0 = aus, 1 = ein                                                           |  (Wert/Value = -1)         |
| 16   | Referenzkörpereinstellung (Zeile 4) gilt für Laden/Speichern: 0 = nein, 1 = ja<br>Wechseln: 0 = nein, 1 = ja |  (Wert/Value = -1)        |
| 22   | UNDO Ganze Szene / detailliert körperweise                                                                   |  (Wert/Value = 1)         |
| 24   | 3D-Bemaßungsassoziativität (Körperübergreifend)                                                              |  (Wert/Value = 1)         |
| 26   | Anzahl der Bewegungsschritte bei der Montagesimulation: 1 ... 10.000                                         | AssemblySimulation > NXSCHRIIT                                                                               |
| 28   | Default-Bearbeitungsebenen beim Anlegen einer Szene:<br>0 = nein, 1 = ja                                     | System > Processing Planes > KSEBNEUSZN                                                                      |
| 30   | Größe der Default-Bearbeitungsebenen: X Y (X>0 und Y>0)                                                      | System > Processing Planes > KSEBDEFGRX<br>System > Processing Planes > KSEBDEFGRY                           |
| 32   | Nach Anlegen der Bearbeitungsebene Bauteil aktivieren: 0 = nein, 1 = ja                                      | System > Processing Planes > KSEBKRPATIV                                                                     |
| 34   | Projiziertes Raster eingeschaltet: 0 = nein, 1 = ja                                                          | System > Processing Planes > Projection Grid > PRAEIN                                                        |
| 36   | Raster-Ursprung: X Y                                                                                         | System > Processing Planes > Projection Grid > PRAXO<br>System > Processing Planes > Projection Grid > PRAYO |

| Line | Description in ALG3DPAR.DAT                                                                                                    | Key name                                                                                                           |
|------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 38   | Raster-Abstand: X Y (X>0 und Y>0)                                                                                              | System > Processing Planes > Projection Grid > PRAXABST<br>System > Processing Planes > Projection Grid > PRAYABST |
| 40   | Raster-Winkel: X Y (X != Y)                                                                                                    | System > Processing Planes > Projection Grid > PRAXWINK<br>System > Processing Planes > Projection Grid > PRAYWINK |
| 42   | Projiziertes Raster nur beim Skizzieren: 0 = nein, 1 = ja                                                                      | System > Processing Planes > Projection Grid > PRANUR2D                                                            |
| 44   | Projiziertes Raster sichtbar: 0 = nein, 1 = ja                                                                                 | System > Processing Planes > Projection Grid > PRASICHT                                                            |
| 46   | Projiziertes Raster hinter der Zeichnung: 0 = nein, 1 = ja                                                                     | System > Processing Planes > Projection Grid > PRAVORNE                                                            |
| 48   | Strichart der Linien: -1 = Pixel, 0 = Markierung, 1 = Linien                                                                   | System > Processing Planes > Projection Grid > PRALIART                                                            |
| 50   | Strichart der Linien, wenn Art der Darstellung=1 (wird sonst ignoriert)                                                        | System > Processing Planes > Projection Grid > PRALIART                                                            |
| 52   | Dichte der Darstellung (0=dynamisch, >0=jeder n. Punkt)                                                                        | System > Processing Planes > Projection Grid > PRADICHT                                                            |
| 54   | Abstand bei dynamischer Darstellung in mm (>0)                                                                                 | System > Processing Planes > Projection Grid > PRADYNMM                                                            |
| 56   | Projiziertes Raster fangbar (nicht implementiert) : 0 = nein, 1 = ja                                                           | ✗                                                                                                                  |
| 60   | Referenzierte Teile automatisch nach jeder Änderung in der Szene aktualisieren: 0 = nein, 1 = ja, 2 = nachfragen               | ✗ (Wert/Value = 1)                                                                                                 |
| 62   | Punktabfrage bei deckungsgleichen Punkten: 0 = nein, 1 = ja                                                                    | System > Identification > MULTIPKT                                                                                 |
| 64   | Automatische Bemaßungsaktualisierung nach Bearbeitung von Teilen: 0 = nein, 1 = ja                                             | Compatibility > Annotation > Dimensioning3D > REFBEM                                                               |
| 66   | Automatische Bemaßungsaktualisierung für: 0 = ganze Szene, 1 = aktives Teil                                                    | Compatibility > Annotation > Dimensioning3D > ISZBEMAKT                                                            |
| 68   | Anschließend Ansichtsneuaufbau für: 0 = alle Ansichten, 1 = aktive Ansicht, -1 = alle außer Hidden-Line                        | Compatibility > Annotation > Dimensioning3D > IANSBEMAKT                                                           |
| 70   | Nicht rekonstruierbare Maße einfärben: -1 = nein, 0-9 = Farbe                                                                  | Compatibility > Annotation > Dimensioning3D > IFARBEMAKT                                                           |
| 72   | Beim Aktualisieren von Datei Positionsnummer/Teileattribute abgleichen: 0 = nur Nebenteile, 1 = nie, 2 = Haupt- und Nebenteile | System > Referencing > IREFPOSSZN                                                                                  |
| 78   | Teile HCM; Modelle bei Transformationen prüfen und updaten: 0 = nein, 1 = ja                                                   | ✗ (Wert/Value = 1)                                                                                                 |

| Line | Description in ALG3DPAR.DAT                                                                                                                                 | Key name                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 80   | Teile HCM; Modelle bei Änderungen der Teile automatisch updaten: 0 = nein, 1 = ja                                                                           |  (Wert/Value = 1)                       |
| 82   | Eingetragener Dokumentstamm nicht in DB -> Ref. Teil gesperrt? 0 = nein, 1 = ja                                                                             | System > Referencing > DOCU_MASTER_NOT_IN_DB__LOCK                                                                       |
| 84   | Ref. Teile bei der Bearbeitung für andere Benutzer sperren? 0 = nein, 1 = ja, 2 = Abfragen                                                                  | System > Referencing > PROCESSING_LOCK_REF3D                                                                             |
| 86   | Beim Laden von referenzierte Teile Schnittdansichten aktualisieren: 0 = nein, 1 = ja                                                                        | System > Referencing > SECT_UPDATE_REF3D                                                                                 |
| 88   | Referenzierte Teile ohne KRP-Datei zum Bearbeiten sperren (Replikationsmanager) : 0 = nein, 1 = ja                                                          | System > Referencing > REPLICATION_MANAGER__LOCK                                                                         |
| 90   | Structure: generate main part and sub-parts automatically in assembly structure: 0 = no, 1 = yes with general groups, 2 = yes with bolted and welded groups | Model > Structural Changes > STB_ASSEMBLYSTRUCTURE                                                                       |
| 92   | Default-Material (Tabelle)                                                                                                                                  | Model > PartProperties > MATERIAL_TABLE_ID                                                                               |
| 94   | Default-Material (Position)                                                                                                                                 | Model > PartProperties > MATERIAL_ITEM_ID                                                                                |
| 96   | (deprecated) Soll bei der Gleichteilsuche beim Referenzieren der Teilennamen verglichen werden                                                              |                                       |
| 98   | Zu vergleichende Teileattribute bei der Gleichteilsuche beim Referenzieren (Max. 10) (\$BB-B=Bauteilbezeichnung \$BK= Bauteilestemkennung)                  | System > Referencing > PART_ATTRIB_REF3D<br>(Jetzt keine Beschränkung der Länge und der Anzahl der Attributnamen mehr !) |
| 100  | Teilerzeugung: 0 = Referenzierung generell deaktivieren, 1 = Referenzierung generell aktivieren, 2 = Referenzierung ein/ausschaltbar je Dialog              | System > Referencing > PRESET_REF3D                                                                                      |
| 102  | Skizzen beim Auswerten in AXO                                                                                                                               |                                       |
| 108  | Teile zum Bearbeiten sperren bei gesperrtem Helios-Teilestamm: 0 = nein, 1 = ja                                                                             | System > Referencing > LOCK_PART_PART_MASTER                                                                             |
| 110  | Für andere Benutzer sperren über Helios-Teilestamm: 0 = nein, 1 = ja, 2 = Abfragen                                                                          | System > Referencing > LOCK_USER_PART_MASTER                                                                             |
| 112  | Teilestamm-Index aktualisieren: 0 = aus, 1 = Nur referenzierte Teile, 2 = alle Teile, 3 = alle Teile ohne Dialog                                            | System > Referencing > UPDATE_PART_MASTER                                                                                |
| 114  | Produktstruktur-Attribute auf Teile-Attribute übertragen bei Helios-Attribut-Aktualisierung: 0 = nein, 1 = ja                                               | PDM > HiCAD_HELiOs_Interface > UPDATE_PART_ATTRIBS_FROM_HELiOs                                                           |
| 116  | Farbe/Schicht bei referenzierten Teilen aktualisieren                                                                                                       | System > Referencing > UPDATE_COLOUR_AND_LAYER                                                                           |
| 120  | Verdeckte Kanten in schattierten Ansichten identifizieren?                                                                                                  | System > Identification > OBJSKHID                                                                                       |
| 122  | Szene mit Hauptteil abgleichen: 0 = nein, 1 = Frage, 2 = ja                                                                                                 | PDM > HiCAD_HELiOs_Interface > MAIN_PART_SYNCHRONISATION                                                                 |

| Line | Description in ALG3DPAR.DAT                                                                | Key name                                                    |
|------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 124  | Behandlung alter Szenen mit gemischter Struktur: 0 = Fragen, 1 = Defaultwert verwenden     | Model > Structural Changes > STB_TREATMENTOFMIXEDSTRUCTURES |
| 126  | Gewindebezeichnung aktualisieren: 0 = nie 1 = nur bei Änderung der Maßfußpunkte, 2 = immer | Compatibility > Annotation > Dimensioning3D > IGEWBEZBEMAKT |
| 128  | Nicht aktualisierte referenzierte Teile zum Bearbeiten sperren: 0 = nein, 1 = ja           | System > Referencing > LOCK_OUT_OF_DATE_PARTS               |
| 130  | Gewichtsberechnung: 0 = keine, 1 = beim Positionieren, 2 = immer                           | Model > PartProperties > IAUTOGEWICHT                       |
| 134  | Display of unit of area: -1 = active unit, 1 = mm, 2 = cm, 3 = dm, 4 = m                   | System > Miscellaneous > iFIEinheit                         |
| 136  | Verschieben aus der Hauptbaugruppe: 0 = nein, 1 = ja                                       | Model > Structural Changes > IMOVE_OUT                      |

## ALGPARG.DAT

The settings from the file ALGPARG.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol. Swapped out entries are marked with the .

| Line | Description in der ALGPARG.DAT                                                                  | Key name                                                                                        |
|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1-29 | Schnittstellen und Firmenkopf                                                                   |  ALGPARG.INI |
| 31   | Default-Dateigruppe / Default file group                                                        | SYSTEM > FilePathes > deflw                                                                     |
| 33   | Default file group / Read DSI-MOTOROLA Files                                                    |              |
| 35   | Intervall fuer Datensicherung / Interval for data back-up                                       | SYSTEM > Backup > mindts                                                                        |
| 35.2 | Dialog-Fenster / Dialog window                                                                  | SYSTEM > Backup > kanzst                                                                        |
| 37   |                                                                                                 |              |
| 39   | Punktbezeichnung numerisch / Point specification numerical                                      | SYSTEM > Visualization > 2D > kvp-kbz                                                           |
| 41   | Dateigruppe fuer Datensicherung / File group for data back-up                                   | SYSTEM > FilePathes > pfadsic                                                                   |
| 43   | Anzahl der Nachkommastellen Winkel / Number of decimal places for angles                        | SYSTEM > Miscellaneous > kvnkwi                                                                 |
| 45   | Nicht relevante Stellen anschreiben / Write non-relevant spaces                                 |            |
| 47   | Cursorgroesse / Cursor size                                                                     | SYSTEM > Visualization > icgros                                                                 |
| 49   | Cursorschrittweite fuer Tastaturcursor / Cursor increments for keyboard cursor                  |            |
| 51   | Defaultparameter Punktoption / Default parameter point option                                   | SYSTEM > Identification > irelab                                                                |
| 53   | Rechteck: Angabe achsparallel mit Winkel / Rectangle specification: axially parallel with angle | SYSTEM > Visualization > 2D > irecan                                                            |
| 55   | Zugriffsrechte fuer Files / Access rights for files                                             | SYSTEM > Backup > ichmod                                                                        |
| 57   | Symbole darstellen / Display symbols                                                            | SYSTEM > Visualization > 2D > isymfe                                                            |
| 59   | Default-Name des Stuecklistenfiles / Default name of the BOM files                              |            |
| 61   | Anzahl der Nachkommastellen fuer Koordinaten / Number of decimal places for coordinates         | SYSTEM > Miscellaneous > kvnkst                                                                 |

| Line | Description in der ALGPARG.DAT                                                                                                                                 | Key name                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 63   | Darstellungsart Masszahl / Representation of measured value                                                                                                    | SYSTEM > Annotation > Dimensioning2D > masdar |
| 65   | Antworten fuer JA/NEIN Abfragen / Answers to YES/NO queries                                                                                                    | SYSTEM > Miscellaneous > cjanein              |
| 67   | Reihenfolge Symboleingabe / Symbol input sequence                                                                                                              | ✗                                             |
| 69   | Beschriftungshoehe Punktbezeichnung / Caption height point specification                                                                                       | SYSTEM > Visualization > 2D > hhp-ktb         |
| 71   | Transf. von Texten / Transfer of texts                                                                                                                         | SYSTEM > Miscellaneous > itrxt                |
| 71.2 | Transf. von Bemassungen / Transfer of dimensionings                                                                                                            | SYSTEM > Miscellaneous > itrbern              |
| 73   | Darstellung des Rasters / Grid representation                                                                                                                  | SYSTEM > Identification > kvart               |
| 75   | Wartezeit (in 1/10 sec.) nach der das Menue:'Punktoptionen' aufgebaut wird / Holding time (in 1/10 sec.) after which the 'point option' menu will be displayed | ✗                                             |
| 77   | Default-Dateigruppe fuer externe Figur-Gruppen / Default file group for external figure groups                                                                 | SYSTEM > FilePathes > pfadgrp                 |
| 79   | Bei Punkteingaben Taschenrechner einblenden / Show calculator for point input                                                                                  | ✗                                             |
| 81   | Punkt-Fangmodus im 2D einschalten / Switch on point snap mode in 2-D                                                                                           | ✗                                             |
| 81.2 | Punkt-Fangmodus im 3D einschalten / Switch on point snap mode in 3-D                                                                                           | ✗                                             |
| 83   | Liste der Punktoptionen der Fangoption im 2D / List of point options of the snap options in 2-D                                                                | SYSTEM > Identification > fngopdef2           |
| 85   | Liste der Punktoptionen der Fangoption im 3D / List of point options of the snap options in 3-D                                                                | SYSTEM > Identification > fngopdef3           |
| 87   | Ident.-Kriterium in 2D / Identification criteria in 2-D                                                                                                        | SYSTEM > Identification > ioptkrit2           |
| 87.2 | Ident.-Kriterium in 3D / Identification criteria in 3-D                                                                                                        | SYSTEM > Identification > ioptkrit3           |
| 89   | Fangradius / Snap radius                                                                                                                                       | SYSTEM > Identification > ifangrad            |
| 91   | Fangoption aktivieren / Activate snap options                                                                                                                  | SYSTEM > Identification > ifangakt            |
| 93   | Fehlermeldungen auf dem Grafikbildschirm einblenden / Display error messages on the screen                                                                     | ✗                                             |
| 95   | Verdeckungen / Overlaps                                                                                                                                        | SYSTEM > Visualization > 2D > kvdeck          |

| Line  | Description in der ALGPARG.DAT                                                                                                                                    | Key name                             |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 97    | Strichart und Farbe verdeckter Linien / Line type and colour of hidden lines                                                                                      | SYSTEM > Visualization > 2D > ivdart |
| 97.2  | Farbe -1: wie unverdeckt / colour -1: identical to shown lines                                                                                                    | SYSTEM > Visualization > 2D > ivdcol |
| 99    | Symboltabelle bei RAM-Sicherung / Symbol table for RAM back-up                                                                                                    | ✗                                    |
| 101   | Unbenutzt / Unused                                                                                                                                                | ✗                                    |
| 103   | Externe Gruppen / External groups                                                                                                                                 | SYSTEM > Miscellaneous > igrpext     |
| 105   | Status Makrofehlermeldungen / Status macro error messages                                                                                                         | ✗                                    |
| 107   | Mitlaufende Koordinaten einblenden / Show running coordinates                                                                                                     | SYSTEM > Miscellaneous > lfdkea      |
| 109   | Transformieren von Figuren / Transformation of figures                                                                                                            | SYSTEM > Miscellaneous > notrans     |
| 111   | Max. Anzahl der Konstruktions-Speicher-UNDOS (max=20) fuer HiCAD-2D /<br>Maximum number of drawing memory UNDOS (max=20) for HiCAD 2-D                            | SYSTEM > Backup > kundmax            |
| 113   | Strichstaerke farbig darstellen / Display line width coloured                                                                                                     | ✗                                    |
| 115   | Max. Zeitintervall (in 1/100 sec.) für dynamische Anzeige im Objektfang-Modus / Maximum time interval (in 1/100 sec.) for dynamic display in the object snap mode | SYSTEM > Identification > ifangmxv   |
| 117   | Sperre fuer Referenz-ZTL / Locking for reference ZTL                                                                                                              | SYSTEM > Miscellaneous > irefztl     |
| 119   | Aktives 2D-Koord.System darstellen / Display active 2-D coordinate system                                                                                         | SYSTEM > Visualization > i2dkozi     |
| 121   | 2D Identifizierungsgitter / 2-D identification grid                                                                                                               | ✗                                    |
| 123   | 2D-Datenformat-Nr. (ab Rev.16 nur 0=aktuelles Format moeglich) / 2-D data format number (from Rev.16 only 0=current format possible)                              | ✗                                    |
| 125   | Display-Listen mit ZTL abspeichern / Save display lists with ZTL                                                                                                  | ✗                                    |
| 127   | Unbenutzt / Unused                                                                                                                                                | ✗                                    |
| 129   | Interne Testmeldungen ausgeben / Edit internal test messages                                                                                                      | SYSTEM > Miscellaneous > ifehlaus    |
| 131   | Punktoptionsmenue gross / Point options menu large                                                                                                                | ✗                                    |
| 133   | Verdeckung fuer gesp. Displ.-Listen / Overlaps for saved display lists                                                                                            | ✗                                    |
| 135   | Underlines '_' am Ende von Namen beibehalten / Retain underlines '_' at the end of names                                                                          | ✗                                    |
| 137   | Bitmap beim Wechseln zeigen / Display bitmap when changing                                                                                                        | ✗                                    |
| 137.2 | Breite des Bitmaps / Width of bitmaps                                                                                                                             | SYSTEM > Graphic > iwechsbitbreite   |

| Line    | Description in der ALGPART.DAT                                                                                              | Key name                                 |
|---------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 137.3   | Hoehe des Bitmaps / Height of bitmaps                                                                                       | SYSTEM > Graphic > iwechsbithoeh         |
| 139     | Dummy-Szene-Namen bei Neustart / Dummy drawing name for restart                                                             | ✗                                        |
| 141     | Grafik-Modus - MAX-MIN-Refresh-Buffer / Graphic mode - MAX-MIN refresh buffer                                               | ✗                                        |
| 143     | Max. UNDO-Speicherreservierung fuer HiCAD-2D-Speicher / Maximum UNDO memory reservation for HiCAD 2-D memory                | SYSTEM > Backup > kundmb                 |
| 145     | BMPs hinter (0) - vor (1) der Zeichnung liegend / BMPs behind (0) - in front of (1) drawing                                 | SYSTEM > Visualization > 2D > izeichbmp  |
| 148     | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - BEMASS / Reset visualisation when loading the drawing - Bemass | SYSTEM > loadsave > izeichea1            |
| 148.2   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - SCHRAF / Reset visualisation when loading the drawing - SCHRAF | SYSTEM > loadsave > izeichea2            |
| 148.3   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - SPLINE / Reset visualisation when loading the drawing - SPLINE | SYSTEM > loadsave > izeichea3            |
| 148.4   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - SYMBOL / Reset visualisation when loading the drawing - Bemass | SYSTEM > loadsave > izeichea4            |
| 148.5   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - TEXTE / Reset visualisation when loading the drawing - TEXTE   | SYSTEM > loadsave > izeichea5            |
| 148.6   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - ISOPKT / Reset visualisation when loading the drawing - ISOPKT | SYSTEM > loadsave > izeichea6            |
| 148.7   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - PKTBEZ / Reset visualisation when loading the drawing - PKTBEZ | SYSTEM > loadsave > izeichea7            |
| 148.8   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - VERDEC / Reset visualisation when loading the drawing - VERDEC | SYSTEM > loadsave > izeichea8            |
| 148.9   | Sichtbarkeit beim Laden der Konstruktion wieder einstellen - BITMAP / Reset visualisation when loading the drawing - BITMAP | SYSTEM > loadsave > izeichea9            |
| 150     | Auswertung des Komma's auf NUM-Block / Evaluation of the comma of numerical keypad                                          | ✗                                        |
| 152     | Anzeige von Konstruktions-Hilfsbauteilen in Bauteilanzeige/Browser / Display of auxiliary parts in the part display/Browser | SYSTEM > Miscellaneous > kfglis          |
| 154     | Pysikalisches Laufwerk bzw. Pfad fuer Bitmaps / Physical drive respectively path for bitmaps                                | SYSTEM > FilePathes > pfad-bmp           |
| 156     | Unbenutzt / Unused                                                                                                          | ✗                                        |
| 158-167 | Namen der vordefinierten 2D-Ansichte / Names of pre-defined 2-D views                                                       | ✗                                        |
| 169     | Schraffurlage / Hatching position                                                                                           | SYSTEM > Visualization > 2D > lageschraf |
| 171     | Sicherheitsmechanismus beim Speichern / Security mechanism when saving                                                      | SYSTEM > Backup > safetycopy             |

| Line  | Description in der ALGPARG.DAT                                                                                 | Key name                               |
|-------|----------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 173   | Übersetzung / Change language                                                                                  | SYSTEM > Miscellaneous > uebflag       |
| 173.2 | Leerzeichen ignorieren / ignore spaces                                                                         | SYSTEM > Miscellaneous > uebflag2      |
| 175   | Benutzerdefinierte Katalogeinträge in der Szene speichern / Save user-defined catalogue entries in the drawing | SYSTEM > loadsave > saveipt            |
| 177   | DB-Attribute im ICN beim HiCAD-Start an / DB attributes in the ICN on when starting HiCAD                      | SYSTEM > Miscellaneous > idbattrib     |
| 179   | Punktoptionen IX/IY/XY eingeschaltet / Point options IX/IY/XY switched on                                      | SYSTEM > Identification > jnfangoptixy |
| 181   | DB-Projekt / DB project                                                                                        | SYSTEM > Helios > idbprojekt           |
| 183   | Teilebezogene Statuskontrolle / Part-related status check                                                      | SYSTEM > Miscellaneous > istatkon      |
| 185   | Dateigruppe für Übersetzung / File group for changing of language                                              | SYSTEM > FilePathes > uebpfad          |
| 187   | Bitmaps 0=extern 1=intern / Bitmaps 0=external 1=internal                                                      | SYSTEM > Miscellaneous > bmpintern     |
| 189   | Helios/HiCAD-Standardlösung benutzen / Use HELIOS/HiCAD default configuration                                  | SYSTEM > Helios > iheliosstd           |
| 191   | Default-Verknüpfungen prüfen / Check default DB links                                                          | SYSTEM > Helios > iheliosprf           |
| 193   | ICN-Anzeige sortieren 2D / Sort ICN display 2-D                                                                | SYSTEM > Miscellaneous > icnsort2      |
| 193.2 | ICN-Anzeige sortieren 3D / Sort ICN display 3-D                                                                | SYSTEM > Miscellaneous > icnsort3      |
| 195   | Referenzierte 2D-Details: nur Geometrie beruecks / Referenced 2-D-Details: only apply to geometry              | SYSTEM > Miscellaneous > igrp-detgeo   |

## ANSGEN.DAT

The settings from the file Datei ANSGEN.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in ANSGEN.DAT                                                                                                                                                                         | Key name                                                                                                                                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2    | Default for hidden lines (layer, width, colour and type) - Voreinstellung verdeckte Linien (Schicht, Staerke, Farbe und Art)<br>-1 1 1 3                                                          | Drawing > Views > SpecificLineParameters > DefaultHiddenLineLayer<br>Drawing > Views > SpecificLineParameters > DefaultHiddenLineColor<br>Drawing > Views > SpecificLineParameters > DefaultHiddenLineType<br> Line width no longer available |
| 4    | Default for silhouette/contour edges (layer, width, colour and type) - Voreinstellung der Lichtkanten/Umrisskanten (Schicht, Staerke, Farbe und Art)<br>-1 1 0 -1                                 | Drawing > Views > SpecificLineParameters > DefaultSilhouetteEdgeColor<br> Layer, Width and Line type are no longer available. The line type will now be taken over from the part.                                                             |
| 6    | Display type of auxiliary view (type, silhouettes, hide and occlusion mask) - Darstellungsart der Hilfsansicht (Art, Lichtkanten, Ausblend- und Verd.maske)<br>10 100100 0 0                      |                                                                                                                                                                                                                                             |
| 8    | Display parameters of the hidden edges of the auxiliary view (layer, width, colour and type) - Darstellungsparam. der verd. Kanten der Hilfsansicht (Schicht, Staerke, Farbe und Art)<br>-1 1 1 3 |                                                                                                                                                                                                                                             |
| 10   | Display type of the EGA view (type, silhouettes, hide and occlusion mask) - Darstellungsart der EGA-Ansicht (Art, Lichtkanten, Ausblend- und Verd.maske)<br>10 100100 0 0                         | SYSTEM > Visualization > Views > InsertionView > RepresentationType<br>SYSTEM > Visualization > Views > InsertionView > HideAndOccludeEdges<br> Silhouettes no longer available                                                             |

| Line | Description in ANSGEN.DAT                                                                                                                                                                     | Key name                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12   | Display parameters of the hidden edges of the Ega view (layer, width, colour and type)<br>- Darstellungsparam. der verd. Kanten der Ega-Ansicht (Schicht, Staerke, Farbe und Art)<br>-1 1 1 3 |                                                                                             |
| 14   | Complete view after standard views (1), also after rotation etc (2), never (0) - Gesamtansicht nach Standardansichten (1), auch nach Drehung etc (2), nie (0)<br>2                            | SYSTEM > Visualization > DisplayTotalView                                                                                                                                    |
| 16   | Part sketch for view rotation (-1=no, 0..9=colour) - Koerperskizze bei Ansichtsdrehung (-1=keine, 0..9=Farbe)<br>0                                                                            |                                                                                             |
| 18   | Vertical free edges drawn as symbols(1) or not at all(0) - Senkrechte freie Kanten als Symbole zeichnen(1) oder gar nicht(0)<br>1                                                             |                                                                                           |
| 20   | Always draw projection plane, active colour, inactive colour - Projektionsebene immer zeichnen, aktive Farbe, inaktive Farbe<br>0 1 4                                                         | SYSTEM > Processing Planes > ActiveMachiningPlaneColor<br> Lways draw no longer available |
| 22   | Save/load polyhedral model (1=yes, 0=no) - Polygonmodell speichern/laden (1=ja, 0=nein)<br>1                                                                                                  |                                                                                           |
| 24   | Maximum number of extensions to the polyhedral model - max.Zahl von Anhaengungen an das Polygonmodell<br>100                                                                                  |                                                                                           |
| 26   | Texts/dimensions for shading without edges (1=yes, 0=no) - Texte/Bemas. bei Schattieren ohne Kanten (1=ja, 0=nein)<br>1                                                                       |                                                                                           |

| Line | Description in ANSGEN.DAT                                                                                                                                                   | Key name                                                                                                                                                                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28   | View margin (percentage of view's size) when arranging views ( $\geq 0$ ) - Rand um Ansicht prozent. zur Groesse bei mehreren Ansichten ( $\geq 0$ )<br>0.25                |  Combined in Line 108; distance is now determined as in Line 108                                                                                                                                                                                                                              |
| 30   | Creation and arrangement of standard views (0=German, 1=American, 2=Japanese) - Erzeugung und Anordnung der Standardansichten (0=deutsch, 1=amerikanisch, 2=japanisch)<br>0 | Drawing > Views > ArrangeOrthographics<br>Drawing > Views > Select4Views                                                                                                                                                                                                                                                                                                       |
| 32   | Edge colour for wire frame (-1=surface colour, 0=default edge colour) - Kantenfarbe bei Wire-Frame (-1=Flaeche-enfarbe, 0=Default Kanten-farbe)<br>0                        |                                                                                                                                                                                                                                                                                               |
| 34   | Distance of the sections for abbreviated view (in natural coordinates) - Abstand der Teilstuecke bei verkuerzter Ansicht (in Naturkoord.)<br>5.0                            | Drawing > Views > ViewShortening > GapWidth                                                                                                                                                                                                                                                                                                                                    |
| 36   | Separating lines for abbreviated views (layer, width=0=none, colour, type) - Trennlinien bei verk. Ansichten (Schicht, Staerke=0=keine, Farbe, Art)<br>1 1 3 3              | Drawing > Views > ViewShortening > BreakLineColor<br>Drawing > Views > ViewShortening > BreakLineStyle<br>Drawing > Views > ViewShortening > BreakLineLayer<br>Drawing > Views > ViewShortening > NoBreakLines<br> Width no longer available, Width 0 equivalent with "Show no break lines" |
| 38   | Layer, hidden in the hidden line mode - Schicht, die beim Hidden-Line ausgeblendet wird<br>-1                                                                               |                                                                                                                                                                                                                                                                                             |
| 40   | Thread lines (layer, width, colour and type) - Gewindelinien (Schicht, Staerke, Farbe, Art)<br>-1 -1 4 -1                                                                   | Drawing > Views > SpecificLineParameters > ThreadLineColor<br> Layer, Width and Line type no longer available                                                                                                                                                                               |

| Line | Description in ANSGEN.DAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Key name                                                                                                                                                                                                                                                                                                               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 42   | Thread display conforming to standards (0=no, 1=yes) - Normgerechte Gewindedarstellung (0=nein, 1=ja)<br>1                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |
| 44   | Section course for section views (layer, width, colour and type) - Schnittverlauf von Schnittansichten (Schicht, Staerke, Farbe, Art)<br>1 1 0 6                                                                                                                                                                                                                                                                                                                                                                                   | Drawing > Views > ViewIdentification > Sections > OriginLineColor<br>Drawing > Views > ViewIdentification > Sections > OriginLineStyle<br>Drawing > Views > ViewIdentification > Sections > OriginLayer<br> Width no longer available |
| 49   | Hide edges (0 = show, 1 = hide) - Kantenausblenden (0 = Einblenden, 1 = Ausblenden) (tangential, net diagonal, net-u, net-v, polyhedron, individual, angle threshold, free - (tangentiale, Netzdiazagonalen, Netz-u, Netz-v, Polyeder, Einzeln, Grenzwinkel, freie (without special) edges, centre lines, cross-hairs, steel engineering axes, steel engineering screws, - (ohne Sonderkanten), Mittellinien, Fadenkreuze, Stb-Achsen, Stb-Schrauben, "tang." sheet metal edges) - "tang." Blechkanten)<br>0 1 1 1 1 0 0 0 0 0 0 1 | Drawing > Views > HideAndOccludeEdges<br> Steel Engineering screws no longer available<br>Values from lines 49 and 52 have been combined.                                                                                             |
| 52   | Occlusion of edges (0 = don't occlude, 1 = compute occlusion) - Verdeckung von Kanten (0 = Verdeckungs-berechnung aus, 1 = Verdeckungs-berechnung ein) (free (without special) edges, centre lines, cross-hairs, steel engineering axes, steel engineering screws) - (freie (ohne Sonderkanten), Mittellinien, Fadenkreuze, Stb-Achsen, Stb-Schrauben)<br>1 1 1 0 1                                                                                                                                                                | See Line 49                                                                                                                                                                                                                                                                                                            |

| Line | Description in ANSGEN.DAT                                                                                                                                                                                             | Key name                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 54   | Include new parts in list views ( 0:no, 1:yes) - Sollen neue Koerper in Listenansichten aufgenommen werden ( 0:nein, 1:ja)<br>0                                                                                       | SYSTEM > Visualization > Views > IncludeNewPartsInListViews          |
| 57   | Special display of silhouettes/contours - Sonderdarstellung von Lichtkanten/Umrisskanten (1 = silhouettes only, 0 = all contours) - (1 = nur Lichtkanten, 0 = alle Umrisskanten)<br>1                                 | Drawing > Views > SpecificLineParameters > ContourEdgeRepresentation |
| 60   | Display all views when loading a scene? - Beim Laden einer Szene immer alle Ansichten darstellen? (1 = all, 2 = as saved, +10 = warning if necessary) - (1 = alle, 2 = wie gespeichert, +10 = ggf. Warnmeldung)<br>12 | SYSTEM > loadsave > ShowAllViewsOnLoad                               |
| 62   | Synchronisation GDI - OpenGL (holding time in ms) - Synchronisation GDI - OpenGL (Wartezeit in ms)<br>0                                                                                                               | ✗                                                                    |
| 64   | Method for shading edges (0 = stencil, 1 = offset, 2 = stencil and offset) - Kanten-Schattierverfahren (0 = Stencil, 1 = Offset, 2 = Stencil und Offset) - Synchronisation GDI - OpenGL (Wartezeit in ms) (unused)    | ✗                                                                    |
| 66   | Offset factor for shading of edges - Offsetfaktor fuer Kantenschattierung<br>1.0                                                                                                                                      | ✗                                                                    |
| 68   | Hide edges between section surfaces (0 = show, 1 = hide) - Kanten zwischen Schnittflächen ausblenden (0 = Einblenden, 1 = Ausblenden)<br>1                                                                            | Drawing > Views > HideAndOccludeEdges > EdgesBetweenCutSurfaces      |

| Line | Description in ANSGEN.DAT                                                                                                                                                                                                                | Key name                                                                                                                                                                                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 70   | Disruption edges (layer, width, colour and type) (1 1 3 1) - Ausbruchraender (Schicht, Staerke, Farbe, Art) (1 1 3 1)<br>1 1 3 1                                                                                                         | Drawing > Views > SpecificLineParameters > CutoutEdgeLayer<br>Drawing > Views > SpecificLineParameters > CutoutEdgeColor<br>Drawing > Views > SpecificLineParameters > CutoutEdgeType<br> Width no longer available                 |
| 72   | Detail view edges (layer, width, colour and type) - Detailansichtsraender (Schicht, Staerke, Farbe, Art) 1 1 3 1                                                                                                                         | Drawing > Views > SpecificLineParameters > DetailViewEdgeLayer<br>Drawing > Views > SpecificLineParameters > DetailViewEdgeColor<br>Drawing > Views > SpecificLineParameters > DetailViewEdgeType<br> Width no longer available     |
| 74   | Detail view identifier (layer, width, colour and type) - Detailansichtskennzeichnung (Schicht, Staerke, Farbe, Art) 1 1 3 1                                                                                                              | Drawing > Views > ViewIdentification > Details > OriginLineColor,<br>Drawing > Views > ViewIdentification > Details > OriginLineStyle<br>Drawing > Views > ViewIdentification > Details > OriginLayer<br> Width no longer available |
| 76   | Hide edges (0 = show, 1 = hide) steel engineering marking lines, steel engineering rod elements - Kantenausblenden (0 = Einblenden, 1 = Ausblenden) Stb-Anrisslinien, Stb-Stabelemente<br>0 0                                            | Drawing > Views > HideAndOccludeEdges<br>Values from Lines 76 and 78 have been combined.                                                                                                                                                                                                                             |
| 78   | Occlusion of edges (0 = don't occlude, 1 = compute occlusion) steel engineering marking lines, steel engineering rod elements - Verdeckung von Kanten (0 = Verdeckungsberechnung aus, 1 = ein) Stb-Anrisslinien, Stb-Stabelemente<br>1 1 | See Line 76                                                                                                                                                                                                                                                                                                          |

| Line | Description in ANSGEN.DAT                                                                                                                                                                                                                                                                                                                           | Key name                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80   | Sketch display (1 = in active view only, 0 = in all views) ; when processing part with sketch, when creating new parts, for disruption/section/detail view - Skizzen-Darstellung (1 = nur in aktiver Ansicht, 0 = in allen Ansichten) ; Beim Körper bearbeiten mit Skizze, beim Erzeugen neuer Körper, bei Ausbruch/Schnitt-/Detailansicht<br>0 0 1 | SYSTEM > Sketches > SketchRepresentationWhenProcessingPartWithSketch<br>SYSTEM > Sketches > SketchRepresentationWhenCreatingNewParts<br>SYSTEM > Sketches > SketchRepresentation4CutoutSectionalDetailView |
| 82   | Default for edge colour of disruption/section/detail edges (0 = current colour, 1 = edge colour of the part)<br>0                                                                                                                                                                                                                                   | ✗                                                                                                                                                                                                          |
| 84   | Accelerate generation of section view with bounding box test (0 = no, 1 = yes) (non-unfolded section view disruption and detail, unfolded section view)<br>1 1                                                                                                                                                                                      | ✗                                                                                                                                                                                                          |
| 86   | Shading Mode (0 = fast, 1 = exact)<br>0                                                                                                                                                                                                                                                                                                             | ✗                                                                                                                                                                                                          |
| 88   | Hide/occlude hatch lines (0 = show, 1 = hide / 0 = don't occlude, 1 = compute occlusion)<br>0 1                                                                                                                                                                                                                                                     | Drawing > Views > HideAndOccludeEdges > HatchLines                                                                                                                                                         |
| 90   | When loading old constructions (HiCAD 2 or older), assign views to 0 = model area, 1 = sheet area - Beim Laden alter Konstruktionen (HiCAD 2 oder älter) Ansichten in 0 = Modellbereich, 1 = Blattbereich einordnen<br>0                                                                                                                            | Compatibility > AssignViewsToSheetOrModel                                                                                                                                                                  |

| Line | Description in ANSGEN.DAT                                                                                                                                                                                         | Key name                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 92   | Font height for view identifiers (-1 = conforming to ISO 128) - Schrifthoehe für Ansichtskennzeichnungen (-1 = normgerecht nach DIN ISO 128)<br>-1                                                                | Drawing > Views > ViewIdentification > Sections > OriginTextHeight<br>Drawing > Views > ViewIdentification > Details > OriginTextHeight<br><br>Can now be set separately for sectional and detail views |
| 94   | Text colour for view identifiers (-1 = default) - Schriftfarbe für Ansichtskennzeichnungen (-1 = Standard)<br>-1                                                                                                  | Drawing > Views > ViewIdentification > Sections > OriginTextColor<br>Drawing > Views > ViewIdentification > Details > OriginTextColor<br>Can now be set separately for sectional and detail views       |
| 96   | Font for view identifiers (-1 = default) - Schrifttype für Ansichtskennzeichnungen (-1 = Standard)<br>-1                                                                                                          | Drawing > Views > ViewIdentification > Sections > OriginFont<br>Drawing > Views > ViewIdentification > Details > OriginFont<br>Can now be set separately for sectional and detail views                 |
| 98   | Hatching of section surfaces (1 = by material, 2 = determined by the view) - Schnittflächenschraffur (1 = nach Werkstoff, 2 = durch die Ansicht festgelegt)<br>1                                                  | Drawing > Views > HatchingOfCutSurfaces                                                                                                                                                                 |
| 100  | Thresholds for simplified OpenGL drawing (bounding box, omit) - Schwellwerte fuer vereinfachte OpenGL-Darstellung (Huellquader, weglassen)<br>10 1                                                                | SYSTEM > Visualization > Views > Threshold-4SimplifiedOpenGLRepresentationBoundingBox<br>SYSTEM > Visualization > Views > Threshold-4SimplifiedOpenGLRepresentationOmit                                 |
| 102  | Default-Massstab fuer neue Detailansichten (0 = wie Stamman sicht. 1 = naechsthoererer Masstab)<br>1                                                                                                              | SYSTEM > Visualization > Views > DefaultScale4NewDetailView                                                                                                                                             |
| 104  | For metal engineering beams automatic selection exact <-> contour in section views (1 = on, 0 = off) - Bei Metallbauprofilen automatische Umschaltung exakt <-> Kontur in Schnittansichten (1 = an, 0 = aus)<br>0 | METALENGINEERING > Beams__AutomaticSwitchingBetweenSelectionExactContourInSectionalViews                                                                                                                |

| Line | Description in ANSGEN.DAT                                                                                                                          | Key name                                                                                                                                                                                                                                               |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 106  | Section view identifier (0 = JIS, 1 = DIN) - Schnittansicht kennzeichnen (0 = nach JIS, 1 = nach DIN)<br>1                                         | Drawing > Views > ViewIdentification > Sections > EndTextPosition                                                                                                                                                                                      |
| 108  | Align view groups: horizontal and vertical distance between views - Ansichtsgruppen anordnen: horizontaler und vertikaler Ansichtsabstand<br>20 20 | SYSTEM > Visualization > Views > AlignViewGroupsHorizontalDistanceBetweenViews<br>SYSTEM > Visualization > Views. AlignViewGroupsVerticalDistanceBetweenViews<br>Now also applies to the arranging of views from the view browser (previously Line 28) |

## AUBM3PAR.DAT

The settings from the file AUBM3PAR.DAT are no longer relevant for HiCAD. The file has therefore been withdrawn.

## BEMPAR.DAT

The settings in the file BEMPAR.DAT have been split into 3 areas in the Configuration Editor (ISDConfigEditor.exe):

- System settings for 2-D dimensioning which are not saved to the data memory of the dimension can be found at SYSTEM > Annotation > Dimensioning2D.
- Settings for 3-D dimensioning which are only required for the compatibility of old drawings with old 3-D dimensionings can be found at Compatibility > Annotation > Dimensioning3D.
- General parameters for 2-D dimensioning which are saved to the data memory the dimension can be found at Drawing > Annotation > Dimensioning2D.

The table below shows the path for each setting of the BEMPAR.DAT file in the “Key name” column. Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in BEMPAR.DAT                                                                          | Key name                                        |
|------|----------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 2    | Richtung der Bemassung / Direction of dimensioning                                                 | Drawing > Annotation > Dimensioning2D > IRCHDF  |
| 4    | Identifikation (0:Linie - 1:2 Punkte - 2:Kontur) / Identification (0:line - 1:2 point - 2:contour) | SYSTEM > Annotation > Dimensioning2D > IARTDF   |
| 6    | Ueberstand der Masshilfslinie / Excess length of projection line                                   | Drawing > Annotation > Dimensioning2D > LMHLDF  |
| 8    | Abstand Masshilfslinien / Distance of projection lines                                             | Drawing > Annotation > Dimensioning2D > ABM1DF  |
| 10   | Abstand Masshilfslinien / Distance of projection lines                                             | Drawing > Annotation > Dimensioning2D > ABM2DF  |
| 12   | Minimale und maximal Laenge Masslinie / Min. and max. length dimension line                        | Drawing > Annotation > Dimensioning2D > BHO2DF  |
| 12.2 | Minimale und maximal Laenge Masslinie / Min. and max. length dimension line                        | Drawing > Annotation > Dimensioning 2D > RAMADF |
| 14   | Distanz fuer Aussenbemassung / Distance for external dimensioning                                  | Drawing > Annotation > Dimensioning2D > LABWDF  |
| 16   | Ueberstand bei Aussenbemassung / Excess length of external dimensioning                            | Drawing > Annotation > Dimensioning2D > IUBLDF  |
| 18   | Laenge und Hoehe des Masspfeiles / Length and height of dimension arrow                            | Drawing > Annotation > Dimensioning2D > MPFDF   |
| 18.2 | Laenge und Hoehe des Masspfeiles / Length and height of dimension arrow                            | Drawing > Annotation > Dimensioning2D > NPFDF   |
| 20   | Position der Masszahl ( rechts / hoch ) / Position of dimension figure ( right / superscript )     | Drawing > Annotation > Dimensioning2D > DMAPXDF |
| 20.2 | Position der Masszahl ( rechts / hoch ) / Position of dimension figure ( right / superscript )     | Drawing > Annotation > Dimensioning2D > DMAPYDF |
| 22   | Beschriftungshoehe Masszahl / Beschriftungshoehe Masszahl                                          | Drawing > Annotation > Dimensioning2D > IBESDF  |
| 24   | Schriftart fuer Bemassung / Font of dimension figure                                               | Drawing > Annotation > Dimensioning2D > KSABEM  |

| Line | Description in BEMPAR.DAT                                                                                                                                                  | Key name                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 26   | Defaultwert Farb.-Strichstaerkekombination / Default value colour and line width combination                                                                               | Drawing > Annotation > Dimensioning2D > IFARDFBES                                   |
| 28   | Codierung der 10 Farb- Strichstaerkekombinationen für Toleranzen / Coding of the 10 colour and line width combination for tolerances                                       | SYSTEM > Annotation > Dimensioning2D > IBMFSTTOL                                    |
| 30   | Codierung der 10 Farb- Strichstaerkekombinationen für Maßzahlen, Texte, Symbole / Coding of the 10 colour and line width combination for dimensions figure, texts, symbols | SYSTEM > Annotation > Dimensioning2D > IBMFSTBES                                    |
| 32   | Codierung der 10 Farb- Strichstaerkekombinationen für Maßlinien, Maßhilfslinien / Coding of the 10 colour and line width combination for dimension lines, projection lines | SYSTEM > Annotation > Dimensioning2D > IBMFSTLIN                                    |
| 34   | Bezugssystem Kreisbemassung / Reference system circular dimensioning                                                                                                       | Drawing > Annotation > Dimensioning2D > IBEZDF                                      |
| 36   | Radius(0) - Durchm.(1) - Automat.(2) - Bogen(3) / Radius(0) - diameter(1) - automatic(2) - arc(3)                                                                          | Drawing > Annotation > Dimensioning2D > IRADDF                                      |
| 38   | 1. Bemassungssymbol / 1st Dimension symbol                                                                                                                                 |  |
| 40   | Breite und Hoehe des 1. Bemassungssymbols / Width and height of 1st dimension symbol                                                                                       | Drawing > Annotation > Dimensioning2D > BZUYDF                                      |
| 40.2 | Breite und Hoehe des 1. Bemassungssymbols / Width and height of 1st dimension symbol                                                                                       | Drawing > Annotation > Dimensioning2D > HZUYDF                                      |
| 42   | Lage des 1. Bemassungssymbols bezuegl. Masszahl / Position of 1st dimension symbol relative to dimension figure                                                            | Drawing > Annotation > Dimensioning2D > DXSODF                                      |
| 44   | Toleranzart / Type of tolerance                                                                                                                                            | Drawing > Annotation > Dimensioning2D > IOBTDF                                      |
| 46   | Toleranzgroesse Toleranz / Tolerance value tolerance                                                                                                                       | Drawing > Annotation > Dimensioning2D > BZA1DF                                      |
| 46.2 | Toleranzgroesse Toleranz / Tolerance value tolerance                                                                                                                       | Drawing > Annotation > Dimensioning2D > BZA2DF                                      |
| 48   | Toleranz-Einheit / Tolerance unit                                                                                                                                          | Drawing > Annotation > Dimensioning2D > IEIDF                                       |
| 50   | Beschriftungshoehe Toleranz / Text height of tolerance spec.                                                                                                               | Drawing > Annotation > Dimensioning2D > BH01DF                                      |
| 52   | Rechtsposition bez. Masszahl / Right position relative to dimension figure                                                                                                 | Drawing > Annotation > Dimensioning2D > DXT1DF                                      |
| 54   | Hochposition bez. Masszahl ( 1 Toleranz ) / Superscript position relative to dimension figure ( 1 tolerance )                                                              | Drawing > Annotation > Dimensioning2D > DYT1DF                                      |
| 56   | Hochpositionen 2 Toleranzen / Superscript position 2 tolerances                                                                                                            | Drawing > Annotation > Dimensioning2D > DYT2DF                                      |
| 58   | Beschriftungshoehe Bemassungstext / Text height of dimension text                                                                                                          | Drawing > Annotation > Dimensioning2D > TXTODF                                      |
| 60   | Lage des Bemassungstextes bezuegl. Masszahl (bei EINEM Bemassungstext) / Position of dimension text relative to dimension figure (for ONE dimension text)                  | Drawing > Annotation > Dimensioning2D > DXTX1DF                                     |

| Line | Description in BEMPAR.DAT                                                                                        | Key name                                         |
|------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 62   | Textfont Masszahl-Toleranz-Text / Font of dimension figure tolerance text                                        | Drawing > Annotation > Dimensioning2D > IBMFO1DF |
| 62.2 | Textfont Masszahl-Toleranz-Text / Font of dimension figure tolerance text                                        | Drawing > Annotation > Dimensioning2D > IBMFO2DF |
| 62.3 | Textfont Masszahl-Toleranz-Text / Font of dimension figure tolerance text                                        | Drawing > Annotation > Dimensioning2D > IBMFO3DF |
| 64   | Position (x,y) der Masszahl bei Basislinienmassen / Position (x,y) of dimension figure for basic line dimensions | Drawing > Annotation > Dimensioning2D > DMPXBLDF |
| 64.2 | Position (x,y) der Masszahl bei Basislinienmassen / Position (x,y) of dimension figure for basic line dimensions | Drawing > Annotation > Dimensioning2D > DMPYBLDF |
| 66   | Bemassungsbegrenzungen / Dimensions limits                                                                       | SYSTEM > Annotation > Dimensioning2D > BEMBEGRT  |
| 68   | Bemassungszusatztexte Zeile 1 / Additional dimension texts line 1                                                | SYSTEM > Annotation > Dimensioning2D > BEMZUSTX  |
| 70   | Bemassungszusatztexte Zeile 2 / Additional dimension texts line 2                                                | SYSTEM > Annotation > Dimensioning2D > BEMZUSTX  |
| 72   | Codevektoren 1 – 10 / Code vectors 1 - 10                                                                        | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 74   | Codevektoren 11 – 20 / Code vectors 11 - 20                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 76   | Codevektoren 21 – 30 / Code vectors 21 - 30                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 78   | Codevektoren 31 – 40 / Code vectors 31 - 40                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 80   | Codevektoren 41 – 50 / Code vectors 41 - 50                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 82   | Codevektoren 51 – 60 / Code vectors 51 - 60                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 84   | Codevektoren 61 – 70 / Code vectors 61 - 70                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 86   | Codevektoren 71 – 80 / Code vectors 71 - 80                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 88   | Codevektoren 81 – 90 / Code vectors 81 - 90                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |
| 90   | Codevektoren 91 – 99 / Code vectors 91 - 99                                                                      | SYSTEM > Annotation > Dimensioning2D > BMCDVEK   |

| Line | Description in BEMPAR.DAT                                                                                                                   | Key name                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 92   | Bezeichnung fuer Radiusbemassung / Designation for radius dimension                                                                         | Drawing > Annotation > Dimensioning2D > DMPYBLDF |
| 94   | Faktor der 2. Masszahl bei Streckenmassen, 2. Masszahl (0/1) / Factor of 2nd dimension for linear dimensions, 2nd dimension (0/1)           | Drawing > Annotation > Dimensioning2D > BM2ZA1DF |
| 96   | Faktor der 2. Masszahl bei Winkelmassen, 2. dimension (0/1) / Factor of 2nd dimension for angular dimensions, 2nd dimension (0/1)           | Drawing > Annotation > Dimensioning2D > KBM2Z2DF |
| 98   | Abstand der Masslinien bei Stufenmassen in mm / Distance of dimension lines for parallel dimensions in mm                                   | Drawing > Annotation > Dimensioning2D > DEFABSDF |
| 100  | Strukturkontrolle 0: ausschalten 1: nur Information 2: zusaetzl. Abfrage / Structure control 0: off 1: information only 2: additional query | ✗                                                |
| 102  | Positionierung der Masszahl – Bezugsmasse / Positioning of dimension figure - reference dimension                                           | SYSTEM > Annotation > Dimensioning2D > IMSPBLDF  |
| 104  | Positionierung der Masszahl - sonst. Masse / Positioning of dimension figure - other dimensions                                             | SYSTEM > Annotation > Dimensioning2D > IMASZPDF  |
| 106  | Einheit – Streckenmasse / Unit - linear dimensions                                                                                          | Drawing > Annotation > Dimensioning2D > NEINSTDF |
| 108  | Nachkommastellen fuer Streckenmasse / Decimal places for linear dimensions                                                                  | Drawing > Annotation > Dimensioning2D > NSTLSTDF |
| 110  | Nicht relevante Stellen anschreiben bei Streckenmassen / Show non-relevant places for linear dimensions                                     | Drawing > Annotation > Dimensioning2D > NRELSTDF |
| 112  | Einheit - bei Winkelmassen / Unit - for angular dimensions                                                                                  | Drawing > Annotation > Dimensioning2D > NEINWDF  |
| 114  | Nachkommastellen fuer Winkelmasse / Decimal places for angular dimensions                                                                   | Drawing > Annotation > Dimensioning2D > NSTLWDF  |
| 116  | Nicht relevante Stellen anschreiben bei Winkelmassen / Show non-relevant places for angular dimensions                                      | Drawing > Annotation > Dimensioning2D > NRELWDF  |
| 118  | Z-Bemassung bei Korrektur zulassen / Permit Z-dimensioning for correction                                                                   | Drawing > Annotation > Dimensioning2D > IZBEMDF  |
| 120  | Lage eines Winkelmasses / Position of an angular dimension                                                                                  | Drawing > Annotation > Dimensioning2D > IWNKFADF |

| Line  | Description in BEMPAR.DAT                                                                                                                  | Key name                                                                            |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 122   | Laenge und Hoehe des Masspfeiles bei Bezugs- und Radiusmassen / Length and height of the dimension arrow for running and radius dimensions | Drawing > Annotation > Dimensioning2D > MPFRIDF                                     |
| 122.2 | Laenge und Hoehe des Masspfeiles bei Bezugs- und Radiusmassen / Length and height of the dimension arrow for running and radius dimension  | Drawing > Annotation > Dimensioning2D > NPFRIDF                                     |
| 124   | 2. Bemassungssymbol / 2nd dimension symbol                                                                                                 |  |
| 126   | Breite und Hoehe des 2. Bemassungssymbols / Width and height of 2nd dimension symbol                                                       | Drawing > Annotation > Dimensioning2D > BZUYDF2                                     |
| 126.2 | Breite und Hoehe des 2. Bemassungssymbols / Width and height of 2nd dimension symbol                                                       | Drawing > Annotation > Dimensioning2D > HZUYDF2                                     |
| 128   | Lage des 2. Bemassungssymbols bezuegl. Masszahl / Position of 2nd dimension symbol relative to dimension                                   | Drawing > Annotation > Dimensioning2D > DXSODF2                                     |
| 128.2 | Lage des 2. Bemassungssymbols bezuegl. Masszahl / Position of 2nd dimension symbol relative to dimension                                   | Drawing > Annotation > Dimensioning2D > DYSODF2                                     |
| 130   | Positionierung der Masszahl – Hoehenkoten / Positioning of dimension figure - height above datum                                           | SYSTEM > Annotation > Dimensioning2D > IMSPHKDF                                     |
| 132   | Position (x,y) der Masszahl bei Hoehenkoten / Position (x,y) of the dimension figure for height above datum                                | Drawing > Annotation > Dimensioning2D > DMPXHKDF                                    |
| 132.2 | Position (x,y) der Masszahl bei Hoehenkoten / Position (x,y) of the dimension figure for height above datum                                | Drawing > Annotation > Dimensioning2D > DMPYHKDF                                    |
| 134   | Laenge und Hoehe des Masspfeiles bei Hoehenkoten / Length and height of dimension arrow for height above datum                             | Drawing > Annotation > Dimensioning2D > MPFHKDF                                     |
| 134.2 | Laenge und Hoehe des Masspfeiles bei Hoehenkoten / Length and height of dimension arrow for height above datum                             | Drawing > Annotation > Dimensioning2D > NPFHKDF                                     |
| 136   | Lage der Bemassungstexte bezuegl. Masszahl / Position of the dimension text relative to dimension figure                                   | Drawing > Annotation > Dimensioning2D > DXTXDF                                      |
| 136.2 | Lage der Bemassungstexte bezuegl. Masszahl / Position of the dimension text relative to dimension figure                                   | Drawing > Annotation > Dimensioning2D > DYTXXDF                                     |
| 138   | Identifizierungsart: Linie,2 Punkte, Masszahl:1/2/3; <0: Wechseln nicht erlaubt /                                                          | SYSTEM > Annotation > Dimensioning2D > IARTDF                                       |
| 138.2 | Identifizierungsart: Linie,2 Punkte, Masszahl:1/2/3; <0: Wechseln nicht erlaubt                                                            | SYSTEM > Annotation > Dimensioning2D > IDNTBMDF                                     |
| 140   | Assoziative Masszahldarstellung bei neuen Bemassungseinheiten                                                                              | SYSTEM > Annotation > Dimensioning2D > IMSZDARG                                     |
| 142   | 1. Symbol-Kombination: Symbol (0-99), Unterstreichg,Zusatztxt,Begrenzugstxt (0-9)                                                          | Drawing > Annotation > Dimensioning2D > IS99C1DF                                    |
| 144   | 2. Symbol-Kombination: Symbol (0-99), Unterstreichg,Zusatztxt,Begrenzugstxt (0-9)                                                          | Drawing > Annotation > Dimensioning2D > IS99C2DF                                    |

| Line  | Description in BEMPAR.DAT                                                        | Key name                                         |
|-------|----------------------------------------------------------------------------------|--------------------------------------------------|
| 146   | Nullpunkt-Markierung bei Strecken-Bezugsmassen: -1:keine,>=0: Anzahl der Nachkst | SYSTEM > Annotation > Dimensioning2D > ISTNPMDF1 |
| 148   | Position (x,y) der Nullpunkt-Markierung bei Strecken-Bezugsmassen                | SYSTEM > Annotation > Dimensioning2D > DXSNPMDF1 |
| 148.2 | Position (x,y) der Nullpunkt-Markierung bei Strecken-Bezugsmassen                | SYSTEM > Annotation > Dimensioning2D > DYSNPMDF1 |
| 150   | Nullpunkt-Markierung bei Koordinatenmassen: -1:keine,>=0: Anzahl der Nachk.-St.  | SYSTEM > Annotation > Dimensioning2D > ISTNPMDF2 |
| 152   | Position (x,y) der Nullpunkt-Markierung bei Koordinatenmassen                    | SYSTEM > Annotation > Dimensioning2D > DXSNPMDF2 |
| 152.2 | Position (x,y) der Nullpunkt-Markierung bei Koordinatenmassen                    | SYSTEM > Annotation > Dimensioning2D > DYSNPMDF2 |
| 154   | Nullpunkt-Markierung bei Höhenkoten: -1:keine,>=0: Anzahl der Nachkomma-Stellen  | SYSTEM > Annotation > Dimensioning2D > ISTNPMDF3 |
| 156   | Position (x,y) der Nullpunkt-Markierung bei Höhenkoten                           | SYSTEM > Annotation > Dimensioning2D > DXSNPMDF3 |
| 156.2 | Position (x,y) der Nullpunkt-Markierung bei Höhenkoten                           | SYSTEM > Annotation > Dimensioning2D > DYSNPMDF3 |
| 158   | Runden der Masszahl                                                              | SYSTEM > Annotation > Dimensioning2D > IRUNDF    |
| 160   | Symbol für Kreisbogenbemaßung setzen / Set symbol for circular arc dimension     | Drawing > Annotation > Dimensioning2D > IKRSBOG  |
| 162   | Bemassung bei Bauteil-Transformation bauteil-uebergreifend                       | SYSTEM > Annotation > Dimensioning2D > JTRANSBEM |
| 164   | Durchmesserzeichen setzen                                                        | Drawing > Annotation > Dimensioning2D > IDURCHDF |
| 166   | Hochposition bez. Masszahl ( 1 Toleranz,oben )                                   | Drawing > Annotation > Dimensioning2D > DYT1DF   |
| 168   | Hochposition bez. Masszahl ( 1 Toleranz,unten )                                  | Drawing > Annotation > Dimensioning2D > DYT1UDF  |
| 170   | Unterbrechungsabstand bei Maßhilfslinien                                         | Drawing > Annotation > Dimensioning2D > DELTAMHL |
| 172   | Plazierungsraster Masslinie Ein (>0) /Aus (0)                                    | SYSTEM > Annotation > Dimensioning2D > BMZRAST   |

| Line  | Description in BEMPAR.DAT                                                                               | Key name                                                                  |
|-------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 174   | Gewindebezeichnung angeben                                                                              | SYSTEM > Annotation > Dimensioning2D > IGEWBZDF                           |
| 178   | Maßzahl verschieben frei                                                                                | SYSTEM > Annotation > Dimensioning2D > IMZMOVMOD                          |
| 180   | Massrekonstruktion:<br>Position der Masslinie beibehalten (1), Laenge der Masshilfslinie beibehalten(2) | Compatibility > Annotation > Dimensioning3D > IREKMLPOS                   |
| 182   | Bemaßungsart bei Streckenmaßen                                                                          | Compatibility > Annotation > Dimensioning3D > ABSTAND_ART                 |
| 184   | Masspfeile geschlossen/offen                                                                            | SYSTEM > Annotation > Dimensioning2D > IMPFARTDF                          |
| 186   | Strichart fuer Masshilfslinien                                                                          | Drawing > Annotation > Dimensioning2D > ISTRART1DF                        |
| 188   | Strichart fuer Masslinien                                                                               | Drawing > Annotation > Dimensioning2D > ISTRART2DF                        |
| 190   | Winklraster beim Drehen von Durchmessermaßen in Grad                                                    | SYSTEM > Annotation > Dimensioning2D > BMWINKRAST                         |
| 192   | Abfrage von Maßzahl/Faktor/Zuschlag beim Verschieben der Masslinie aus/ein                              | SYSTEM > Annotation > Dimensioning2D > DABFRFAK                           |
| 192.2 | Abfrage von Maßzahl/Faktor/Zuschlag beim Verschieben der Masslinie aus/ein                              | SYSTEM > Annotation > Dimensioning2D > DABFRFAK                           |
| 192.3 | Abfrage von Maßzahl/Faktor/Zuschlag beim Verschieben der Masslinie aus/ein                              | SYSTEM > Annotation > Dimensioning2D > DABFZUS                            |
| 194   | Nur Scheitelwinkel bei Korrektur von Winkelmassen zulassen?                                             | Compatibility > Annotation > Dimensioning3D > ISCHEITELKORDF              |
| 196   | Nur den selben Bogen bei Korrektur von Bogenmassen zulassen?                                            | Compatibility > Annotation > Dimensioning3D > IBOGKORDF                   |
| 198   | Bemaßung der Szene beim Laden konvertieren                                                              | Compatibility > Annotation > Dimensioning3D > CONVERTE_AFTER_LOADING      |
| 200   | Nach dem Konvertieren Meldung ausgeben                                                                  | Compatibility > Annotation > Dimensioning3D > GIVE_OUT_CONVERTING_MESSAGE |

| Line | Description in BEMPAR.DAT                                 | Key name                                                                 |
|------|-----------------------------------------------------------|--------------------------------------------------------------------------|
| 202  | Bemaßung von freigegebenen Szenen beim Laden konvertieren | Compatibility > Annotation > Dimensioning3D > CONVERTE_RELEASED_DRAWINGS |

## FEATURE.DAT

The settings in the file FEATURE.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in FEATURE.DAT                                                                                                                                                                                                                                                                                                                                                                                                                 | Key name                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 2    | additional archive test when loading/saving SZA (0/1)<br>AdditionalArchiveTest: 0                                                                                                                                                                                                                                                                                                                                                          |  (Wert/Value = 0)   |
| 5    | unbenutzte Protokolle aus dem Archiv entfernen? 0: Nein, 1: Ja<br>ArchiveCleanUp: 1                                                                                                                                                                                                                                                                                                                                                        |  (Wert/Value = 1)   |
| 8    | Beim Zugriff auf Variablen, die nicht in der Teilehierarchie definiert sind, Wert abfragen (oder letzten Wert uebernehmen)? (0 = nein, 1 = ja)<br>AskLastVariableValue: 1                                                                                                                                                                                                                                                                  |  (Wert/Value = 1)   |
| 11   | Spezielle Korrektur bei 'Blech aus Solid' (1 empfohlen)? (0/1) / Special correction for 'sheet from solid' (1 recommended)? (0/1)<br>CorrectSheetFormSolid1212: 1                                                                                                                                                                                                                                                                          |  (Wert/Value = 1)   |
| 14   | Elemente des Features in der Grafik markieren: 0 = nein, 1 = ja<br>Draw: 1                                                                                                                                                                                                                                                                                                                                                                 | System > Feature > Draw                                                                                |
| 17   | interne Feature-Fehlermeldungen (1 = Meldungen anzeigen, 0 = Meldungen unterdruecken)<br>FeatMsg: 0                                                                                                                                                                                                                                                                                                                                        |  (Wert/Value = 0) |
| 20   | 0 = Alle Teile ohne Feature, 1 = Einzelnen einstellbar, 2 = Alle Teile mit Feature<br>FeatureState: 1                                                                                                                                                                                                                                                                                                                                      |  (Wert/Value = 1) |
| 23   | Warnung bei Funktion, die nicht protokolliert werden, ausgeben? (0 = nein, 1 = ja)<br>FeatureWarning: 1                                                                                                                                                                                                                                                                                                                                    | System > Feature > FeatureWarning                                                                      |
| 26   | Teile-HCM-Berechnungen während einer Featureneuberechnung durchführen? (0/1) / Use Part-HCM during feature recomputation (0/1)<br>HcmDuringRecomp: 1                                                                                                                                                                                                                                                                                       |  (Wert/Value = 1) |
| 29   | Behandlung von externen Verweisen (0 = nicht verwenden, 1 = nur Verweise auf Elemente von Unterkörpern des Ausgangskörper der Berechnung beruecksichtigen, 2 = wie '1', zusaetzlich werden Verweise auf den Ueberkoerper zugelassen (Wenn der der Ueberkoerper seinerseits wieder die Kennung 'UseRefsOfSubAndParent' traegt wird der Baum weiter nach oben verfolgt. 3 - Verweise werden in der ganzen Szene gesucht<br>KrpExtRefState: 0 | System > Feature > KrpExtRefState                                                                      |
| 32   | maximale Anzahl der geladenen Protokolle / maximal number of loaded protocols<br>MaxLoadedProts: 200000                                                                                                                                                                                                                                                                                                                                    | System > Feature > MaxLoadedProts                                                                      |

| Line | Description in FEATURE.DAT                                                                                                                                                                                                                 | Key name                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 35   | 0 = Spiegeln wird nicht beruecksichtigt; 1 = Spiegelfeature eintragen und keine Transformation nach dem Erzeugungsfeature fuer gepiegelte Teile; 2 - Spiegelfeature eintragen und gespiegelte Bearbeitungsebenen erzeugen<br>MirrorMode: 2 | ✗ (Wert/Value = 2)                    |
| 38   | Farbe fuer veraendertes Teil, -1 = Farbe nicht aendern<br>ModColor: -1                                                                                                                                                                     | ✗ (Wert/Value = 1)                    |
| 41   | Schicht fuer veraendertes Teil, -1 = Schicht nicht aendern<br>ModLayer: -1                                                                                                                                                                 | ✗ (Wert/Value = 1)                    |
| 44   | Meldung, dass Skizze für Translationsteil verschoben wird: 0 = aus, 1 = ein<br>MovSketch: 0                                                                                                                                                | ✗ (Wert/Value = 0)                    |
| 47   | Nach jeder Aenderung der Featuredaten direkt Neuberechnung starten? (0 = nein, 1 = ja)<br>RecompDirect: 1                                                                                                                                  | System > Feature > RecompDirect       |
| 50   | Bearbeitungsteile per Default Neuberechnen? 0: Nein, 1: Ja<br>RecomputeBoolOpKrp: 0                                                                                                                                                        | System > Feature > RecomputeBoolOpKrp |
| 53   | Attributmode für den Austausch von referenzierten Teilen: 0 = wie 1212.2, 1 = neu / attribute mode for the exchange of referenced parts: 0 = 1212.2, 1 = new<br>RefAttribMode: 1                                                           | ✗ (Wert/Value = 1)                    |
| 56   | Fehlermeldung bei unbenutzten Protokollen im Archiv? 0: nicht ausgeben, 1: ausgeben<br>SendArchiveErrorMsg: 0                                                                                                                              | ✗ (Wert/Value = 0)                    |
| 59   | Featurefehler im ICN anzeigen?<br>ShowFeatErrorInICN: 0                                                                                                                                                                                    | System > Feature > ShowFeatErrorInICN |
| 62   | 0 = Fix Utilities verbergen, 1 = Fix Utilities anzeigen<br>ShowFeatureFixUtils: 0                                                                                                                                                          | ✗ (Wert/Value = 0)                    |
| 65   | Bei Scriptausführung Fenster einblenden? (0/1) / Show Window during script execution? (0/1)<br>ShowScriptWnd: 0                                                                                                                            | ✗ (Wert/Value = 0)                    |
| 68   | 1 = Informationen über die Körperstruktur in die Featuredatei mit aufnehmen, 0 = diese Informationen nicht aufnehmen<br>StoreKrpStructure: 0                                                                                               | ✗ (Wert/Value = 0)                    |
| 71   | Featuredatei nach dem Speichern testen? 0: Nein, 1: Ja<br>TestFeatureFile: 0                                                                                                                                                               | ✗ (Wert/Value = 0)                    |
| 74   | Hicadstrukturen vor dem Speichern der Featuredaten testen? 0: Nein, 1: Ja<br>TestHicadDataOnSave: 0                                                                                                                                        | ✗ (Wert/Value = 0)                    |
| 77   | Ist die Verfeaturierung von Teilen moeglich? (0 = nein, 1 = ja)<br>WithFeature: 1                                                                                                                                                          | ✗ (Wert/Value = 1)                    |

## GRAPAR.DAT

The settings from the GRAPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in GRAPAR.DAT                                                                   | Key name                                                                            |
|------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1    | #(Anzahl der Grafikschrime) ==> inaktiv/irrelevant<br>1                                     |    |
| 3    | #(Grafikkarte) ==> inaktiv/irrelevant<br>'X11'                                              |    |
| 5    | #(Hardwareaufloesung der Graphikkarte ( X - Y ))<br>==> inaktiv/irrelevant<br>1280 1024     |    |
| 7    | #(Viewport kleinste Koordinaten -32000 -24000)<br>==> inaktiv/irrelevant<br>-128000 -128000 |    |
| 9    | #(Viewport maximale Koordinaten) ==> inaktiv/irrelevant<br>128000 128000                    |    |
| 11   | #(Anzahl der Pixel pro mm) ==> inaktiv/irrelevant<br>800                                    |  |
| 13   | #(Radius Signatur ( in Pixel )) ==> inaktiv/irrelevant<br>600                               |  |
| 15   | #Maximaler Kreistradius (wenn negativ gilt fuer Lini-<br>enart 1: Max.Rad.=0)<br>-1000      |  |
| 17   | #(Displayliste aktivieren) ==> inaktiv/irrelevant<br>1                                      |  |
| 19   | #(Automatische Lupe) ==> inaktiv/irrelevant<br>0                                            |  |
| 21   | #(Hintergrundfarbe) ==> inaktiv/irrelevant<br>0,0,0                                         |  |
| 23   | #(Name der 1. Lookup Table) ==> inaktiv/irrelevant<br>LOOKTAB1.LUT                          |  |
| 25   | #(Anzahl der Helligkeitsstufen fuer LOOKTAB1) ==><br>inaktiv/irrelevant<br>20               |  |
| 27   | #(Name der 2. Lookup Table) ==> inaktiv/irrelevant<br>LOOKTAB2.LUT                          |  |
| 29   | #(Zahl der Schattierungsfarben fuer LOOKTAB2)<br>==> inaktiv/irrelevant<br>3                |  |

| Line | Description in GRAPAR.DAT                                                                       | Key name                                                                                       |
|------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 31   | Vergroesserungsfaktor fuer dyn. Zoomen<br>0.15                                                  | ✗                                                                                              |
| 33   | Vergroesserungsfaktor fuer dyn. Translieren<br>0.15                                             | ✗                                                                                              |
| 35   | #(Rahmendicke in Pixel) ==> inaktiv/irrelevant<br>0                                             | ✗                                                                                              |
| 37   | #(Schraffuren automatisch anpassen (ja=1 nein=0))<br>==> inaktiv/irrelevant<br>1                | ✗                                                                                              |
| 39   | #(maximaler Displaylistenzoomfaktor) ==> inaktiv/irrelevant<br>50                               | ✗                                                                                              |
| 41   | #(maximale Blockgroesse) ==> inaktiv/irrelevant<br>250                                          | ✗                                                                                              |
| 43   | #(Ztl-Auswahlfenster permanent einblenden (0/1))<br>==> inaktiv/irrelevant<br>0                 | ✗                                                                                              |
| 45   | Vergroesserungsfaktor bei Gesamtansicht<br>1.01                                                 | SYSTEM > Visualization > factor_for_image_section                                              |
| 47   | TT-Font Faktor Bildschirm / Plot<br>1.25 1.22                                                   | SYSTEM > Visualization > tt_font_factor_screen<br>SYSTEM > Visualization > tt_font_factor_plot |
| 49   | Lupenfaktor >1.0<br>2.0                                                                         | SYSTEM > Visualization > loupe_factor                                                          |
| 51   | Lupengroesse ( 0.1...0.9*Bildschirm)<br>0.5                                                     | SYSTEM > Visualization > loupe_size                                                            |
| 53   | Anzahl der DSP-Punkte beim Transformieren am Gummiband (0 --> ganzes Teil )<br>1000             | SYSTEM > Visualization > num_2d_pts_for_rubberband_trafo                                       |
| 55   | #(Grafik-Kombinationsmodus fuer Hilfslinien ( SET=1 / XOR=0 )) ==> inaktiv/irrelevant<br>0      | ✗                                                                                              |
| 57   | #(Mirror-Bitmap bei jeder Identifizierung neuanlegen (1=ja/0=nein)) ==> inaktiv/irrelevant<br>1 | ✗                                                                                              |
| 59   | Farbe der Gummibandfiguren<br>-13                                                               | SYSTEM > Visualization > rubberband_figure_color                                               |
| 61   | Strichstaerke Gummibandfiguren<br>2                                                             | SYSTEM > Visualization > rubberband_figure_linewidth                                           |
| 63   | Zoomfaktor Naehern/Entfernen<br>1.25                                                            | SYSTEM > Visualization > incremental_zoom_factor                                               |

| Line | Description in GRAPAR.DAT                                                     | Key name                                                            |
|------|-------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 65   | Faktor Verschieben<br>2.0                                                     | SYSTEM > Visualization > incremental_translation_speed              |
| 67   | Aufloesung TT-Fonts (dpi)<br>96                                               | SYSTEM Visualization > tt_font_resolution                           |
| 69   | Kapazität für OpenGL-Displaylisten<br>-1                                      | SYSTEM > Visualization > opengl_displaylist_capacity                |
| 71   | Faktor fuer Darstellung von FIGs bzgl. Bildschirmdiagonale (0=alles)<br>0.005 | SYSTEM > Visualization > factor_for_simplified_drawings_of_2d_parts |

## KNTPAR.DAT

The settings from the KNTPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in KNTPAR.DAT                                                                                   | Key name                                                        |
|------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 1    | Edge display type<br>1                                                                                      | SYSTEM > Visualization > 3D > DefaultEdgeDisplayType            |
| 3    | Line width edge<br>1                                                                                        | SYSTEM > Visualization > 3D > DefaultEdgeLineWidth              |
| 5    | Colour edge<br>0                                                                                            | SYSTEM > Visualization > 3D > DefaultEdgeColor                  |
| 7    | Layer number edge<br>1                                                                                      | SYSTEM > Visualization > 3D > DefaultEdgeLayer                  |
| 9    | Surface colour<br>40                                                                                        | SYSTEM > Visualization > 3D > DefaultFaceColor                  |
| 11   | Edge limiting angle<br>30                                                                                   | SYSTEM > Visualization > 3D > EdgeLimitingAngle                 |
| 13   | Layer number surface<br>1                                                                                   | SYSTEM > Visualization > 3D > DefaultFaceLayer                  |
| 15   | Line of material file (MATERIAL.MNU)<br>1                                                                   | SYSTEM > Visualization > 3D > MaterialFileLine                  |
| 17   | Surface and edge colour from material catalogue-table<br>(Coloum COLOR=Face-colour, COLKK=Edge-colour)<br>0 | SYSTEM > Visualization > 3D > DefaultFaceColorMaterialCatalogue |
| 19   | Colour of bold axes (-1=default)<br>-1                                                                      | SYSTEM > Visualization > 3D > BoldAxesColor                     |

## KRPGEN.DAT

The settings from the file KRPGEN.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in KRPGEN.DAT                                           | Key name                                                                                                 |
|------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 3    | Approximation dimension for ¼ circle                                |  (Wert/Value = 0)       |
| 5    | Approximation dimension for polyhedral approximation for 1/4 circle | Model > Part Generation > PolyhedralApproximation > kaproxpl                                             |
| 10   | Mode of polyhedral approximation                                    | Model > Part Generation > PolyhedralApproximation > modapr                                               |
| 12   | Accuracy of polyhedral approximation                                | Model > Part Generation > PolyhedralApproximation > tolapr                                               |
| 19   | Accuracy of FF geometry approximation:<br>u-grid-lines              |  (Wert/Value = 0)       |
| 21   | v-grid-lines                                                        |  (Wert/Value = 0)     |
| 23   | CONS/FF-curves                                                      |  (Wert/Value = 0)     |
| 29   | Approximation of CONS                                               |  (Wert/Value = -1)    |
| 34   | Generation of grid lines for freeform surfaces                      |  (Wert/Value = 0)     |
| 45   | Security factor before cutting                                      |  (Wert/Value = 100.0) |
| 48   | Output error messages arising from polyhedral approximation         | SYSTEM > Miscellaneous > iflmldappr                                                                      |

## KRPMOD.DAT

The settings from the KRPMOD.DAT file have been integrated into the Configuration Editor (ISDConfigEditor.exe). The following list displays where to find the lines from the DAT file in the Configuration Editor (key name). Due to the constant further development of HiCAD, some entries are no longer required and are therefore marked with this symbol .

| Line | Description in KRPMOD.DAT                                                                                                                                                                                                                                            | German translation                                                                                                                                                                                                                                                                                                  | Key name                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 3    | Version of the KRPMOD.DAT file / 9                                                                                                                                                                                                                                   | Versionsnummer                                                                                                                                                                                                                                                                                                      |  |
| 10   | Generate fields (common cylinder, pseudo /rotation fields) (AT THE MOMENT UNACCOUNTED FOR)<br>Handling of figure structure:<br>0: Generate without sub-figures<br>1: Dissolve figure structure<br>2: Interpret figure structure<br>3: Transfer figure structure<br>2 | Koerper generieren (allgemeiner Zylinder, Pseudo-/Rotationskoerper)<br>0: Ohne Subfiguren generieren<br>1: Figurenstruktur auflösen<br>2: Figurenstruktur interpretieren<br>3: Figurenstruktur übertragen                                                                                                           | Model > PartGeneration > Extruded and Revolved Solids > KG2DBAUM                    |
| 16   | Generate fields (common cylinder, pseudo /rotation fields)<br>Open polylines:<br>0: Delete<br>1: Mark all open sections<br>2: Close<br>3: Generate<br>0                                                                                                              | Koerper generieren (allgemeiner Zylinder, Pseudo-/Rotationskoerper)<br>Nicht geschlossene Linienzüge:<br>0: Entfernen<br>1: Markierung aller offenen Teilstücke<br>2: Schließen<br>3: Generieren<br>call kg2dneukrp( )<br>call setkg2dopt( 1, icos,iec)<br>call kg2dtest(0,iec)<br>call kg2dini(0,iec) !nicht alles | Model > PartGeneration > Extruded and Revolved Solids > KG2DNEUKRP                  |
| 22   | Bores and subtractions:<br>Open polylines:<br>0: Delete<br>1: Mark all open sections<br>2: Close<br>3: Enclose<br>0                                                                                                                                                  | Bohren und Ausnehmungen<br>Nicht geschlossene Linienzüge:<br>0: Entfernen<br>1: Markierung aller offenen Teilstücke<br>2: Schließen<br>3: Generieren<br>call kg2dbohr( )<br>call setkg2dopt( 1, icos,iec)<br>call kg2dtest(0,iec)<br>call kg2dini(0,iec) !nicht alles                                               | Model > PartGeneration > Extruded and Revolved Solids > KG2DBOHR                    |

| Line | Description in KRPMOD.DAT                                                                                                                      | German translation                                                                                                                          | Key name                                                           |
|------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 25   | Graphic elements penetration test for field generation<br>1=active,<br>0=not<br>2=with min-max acceleration<br>2                               | Linienelemente-durchdringungstest bei Koerpergenerierung<br>1=aktiv<br>0=nicht<br>2=mit Minimax-Korrektur                                   | Model > PartGeneration > Extruded and Revolved Solids > KG2DSDTEST |
| 33   | Volume inversion test in modelling menu<br>1=activated<br>0=deactivated<br>1                                                                   | Volumeninversionstest im Modelliermenue<br>1=aktiviert<br>0=deaktiviert                                                                     | Model > 3D Part Modelling > GEONVOLINV                             |
| 37   | Triangulation for contortion<br>0: Prevent triangulation<br>1: Execute triangulation if necessary<br>2: Execute triangulation after query<br>2 | Triangulation bei Verzerrungen<br>0: Triangulation verhindern<br>1: Triangulation ggf. ausführen<br>2: Triangulation nach Abfrage ausführen | Model > 3D Part Modelling > GEONTRIA                               |
| 39   | Mark contortion<br>0=mark not<br>1=mark                                                                                                        | Verzerrungen markieren<br>0=nicht markieren<br>1=markieren                                                                                  | Model > 3D Part Modelling > GEONFMARK                              |
| 43   | Mark surface:<br>2. Mark colour in surface selection menu<br>(AT THE MOMENT UNACCOUNTED FOR)<br>8                                              | Flaechen markieren                                                                                                                          | ✗                                                                  |
| 47   | Mark edge:<br>Colour for 1-fold bound edge<br>(AT THE MOMENT UNACCOUNTED FOR)<br>1                                                             | Kanten markieren einfach gebundene Kanten                                                                                                   | ✗                                                                  |
| 50   | Colour for 2-fold bound edge<br>(AT THE MOMENT UNACCOUNTED FOR)<br>2                                                                           | Kanten markieren einfach gebundene Kanten                                                                                                   | ✗                                                                  |

| Line | Description in KRPMOD.DAT                                                                                                                                                                                                                                  | German translation                                                                                                                                                                                                  | Key name                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 61   | Delete surfaces<br>0: Convert edges to individual edges<br>1: Delete edges only of given facets<br>2: Delete edges of complete cycles<br>3: like 2, cycled of 0/1 edges permitted<br>4: like 3, only omitted edges<br>(AT THE MOMENT UNACCOUNTED FOR)<br>3 | Flaechen löschen                                                                                                                                                                                                    |  |
| 65   | Merge edges:<br>0: no hyper edges<br>(AT THE MOMENT UNACCOUNTED FOR)<br>1: hyper edges too<br>1                                                                                                                                                            | Kanten verschmelzen                                                                                                                                                                                                 |  |
| 69   | Allow surface compensation in modelling menu:<br>0: not allow<br>1: allow<br>1                                                                                                                                                                             | Flaechenausgleich im Modelliermenue<br>1=aktiviert<br>0=deaktiviert                                                                                                                                                 | Model > 3D Part Modelling > GEON AUSGL                                              |
| 74   | Insert OK-query in modelling menu<br>0: insert (like V14)<br>1: not insert<br>(not queried)<br>0                                                                                                                                                           | OK-Abfrage im Modelliermenue<br>0=aktiviert,<br>1=deaktiviert'<br>if(iclos.eq.0)then<br>geonokab=1<br>call vnwriti('ZOKF',1) !ok-Abfrage<br>else<br>geonokab=2<br>call vnwriti('ZOKF',0) !keine ok-Abfrage<br>endif | Model > 3D Part Modelling > GEON OKAB                                               |
| 77   | Hidden edges in modelling menu for rectangle selection<br>Account for (0=no, 1=yes)<br>1                                                                                                                                                                   | Bei Rechteckauswahl im Modelliermenue ausgeblendete Kanten beruecksichtigen<br>(0=nein, 1=ja)                                                                                                                       | Model > 3D Part Modelling > RECH AUSBLEND                                           |

| Line | Description in KRPMOD.DAT                                                                                                                                                | German translation                                                                                                                                           | Key name                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 80   | Shaded edges in modelling menu for rectangle selection<br>Allow (0=no, 1=yes)<br>1                                                                                       | Rechteckauswahl im Modelliermenue in schattierten Ansichten ermoeglichen<br>(0=nein, 1=ja)                                                                   | ✗                                                                   |
| 83   | Hidden-line views in modelling menu for rectangle selection<br>Extnd to all hidden elements<br>(0=no, 1=yes)<br>1                                                        | Rechteckauswahl im Modelliermenue in Hidden-line Ansichten ermoeglichen<br>(0=nein, 1=ja)                                                                    | ✗                                                                   |
| 85   | Mark rectangle selection in modelling menu (0=no, 1=monochrome 2=dichromic)<br>2                                                                                         | Rechteckauswahl im Modelliermenue markieren<br>(0=nein, 1=1-Farbig 2=2-Farbig)                                                                               | ✗                                                                   |
| 88   | Limits of inclination for inclined common cylinder<br>Determine (0=no, 1=yes)<br>1                                                                                       | Bei schraegem allgemeinem Zylinder Grenzen der Schraegung ermitteln<br>(0=nein, 1=ja)                                                                        | Model > PartGeneration > Extruded and Revolved Solids > KG2DSCHRVOR |
| 91   | Mark shaded for surface selection<br>(0=no, 1=yes)<br>1                                                                                                                  | Markierungen am Polygonmodell erlauben<br>(0=nein, 1=ja)                                                                                                     | Model > Miscellaneous > ISHTMRKFLAG                                 |
| 114  | Position fitting points for c-edge sweep<br>0: automatic<br>1: interactive<br>0                                                                                          |                                                                                                                                                              | ✗                                                                   |
| 117  | Interactive transformation of the cross-section for c-edge sweep<br>REM possible (0=no, 1=yes)<br>1                                                                      |                                                                                                                                                              | ✗                                                                   |
| 130  | Local coordinate system for c-edge sweep<br>0: according to guideline<br>1: according to drawing coordinate system<br>2: according to last active coordinate system<br>1 | Lokales Koordinatensystem fuer Kantenzug-Sweep<br>0: gemaess Leitlinie<br>1: gemaess Szene-Koordinatensystem<br>2: gemaess letztem aktivem Koordinatensystem | Model > Miscellaneous > KG2DSWKS                                    |
| 132  | Keep or delete old sectional views after Boolean Operations:<br>0: Keep<br>1: Delete<br>0                                                                                |                                                                                                                                                              | ✗                                                                   |

## LINPAR.DAT

The settings of the file LINPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in LINPAR.DAT                                                                                                                          | Key name                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2    | Line type<br>1                                                                                                                                     | System > 2D-Lines > leart                                                             |
| 4    | Line width<br>1                                                                                                                                    |    |
| 6    | Colour<br>0                                                                                                                                        | System > 2D-Lines > lefar                                                             |
| 8    | Layer number<br>1                                                                                                                                  | System > 2D-Lines > lesch                                                             |
| 10   | 9 Default layer(4)-colour(3)-line width(1)-line type(2)-combinations<br>1000101 1005101 1004101 1004105 1004104 1001103 1000106<br>1000107 1009108 |    |
| 12   | 4 Default line widths<br>0.25,0.50,0.75,1.00                                                                                                       |  |
| 14   | Colour auxiliary lines<br>4                                                                                                                        | System > 2D-Lines > ifrbhlin                                                          |
| 16   | Max. value line types (1-19)<br>19                                                                                                                 |  |
| 18   | Max. value line width (1-9)<br>9                                                                                                                   |  |
| 20   | Max. value colours (1-39)<br>(no longer used)                                                                                                      |  |
| 22   | Max. value layers (1-2000)<br>1000                                                                                                                 | System > 2D-Lines > maxlesch                                                          |
| 24   | Symbol start number for symbol lines<br>3501                                                                                                       | System > 2D-Lines > lin-symnr                                                         |

| Line | Description in LINPAR.DAT                                                                              | Key name                                                                                                                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26   | stretching factors for isolated points (max=10 factors)<br>1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.5 | System > 2D-Lines > fak-sig0<br>System > 2D-Lines > fak-sig1<br>System > 2D-Lines > fak-sig2<br>System > 2D-Lines > fak-sig3<br>System > 2D-Lines > fak-sig4<br>System > 2D-Lines > fak-sig5<br>System > 2D-Lines > fak-sig6<br>System > 2D-Lines > fak-sig7<br>System > 2D-Lines > fak-sig8<br>System > 2D-Lines > fak-sig9 |
| 28   | Identify symbol line geometry for special symbol lines (0/1)<br>1                                      | System > 2D-Lines > isymlident                                                                                                                                                                                                                                                                                               |

## MASPAR.DAT

The settings of the file MASPAR.DAT have been integrated into the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in MASPAR.DAT             | Key name                                                                                                 |
|------|---------------------------------------|----------------------------------------------------------------------------------------------------------|
| 2    | Angle unit                            | SYSTEM > Miscellaneous > kwwieh                                                                          |
| 4    | Reference point ZTL                   |  (Wert/Value = 0.0,0.0) |
| 6    | Scale 1:                              | SYSTEM > Miscellaneous > bmasdf                                                                          |
| 8    | Dimension unit                        | SYSTEM > Miscellaneous > massdf                                                                          |
| 10   | Conversion factor unit of measurement |                         |
| 12   | Relative tolerance                    | SYSTEM > Miscellaneous > toldf                                                                           |

## NORM.DAT

The settings from the file NORM.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in NORM.DAT                                                        | Key name                                                                                                    |
|------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 2    | Stuecklisten-Texte: 0=NEIN / 1=JA + SDB-Texte bei SDB / 2=JA + SDB-Texte immer |                          |
| 4    | Level-Punkte (0=keine / 1=ausblenden / 2=strichliert)                          | SYSTEM > StandardParts > levpkt                                                                             |
| 6    | Normalien-Variable nach Z:NVAR____.DAT schreiben (0/1)                         | SYSTEM > StandardParts > nvardat                                                                            |
| 8    | Schicht-Farbe-Staerke-Art (MASCH: Hauptlinien)                                 | SYSTEM > StandardParts > nkombi11<br>SYSTEM > StandardParts > nkombi12<br>SYSTEM > StandardParts > nkombi13 |
| 10   | Schicht-Farbe-Staerke-Art (MASCH: duenne Volllinien)                           | SYSTEM > StandardParts > nkombi21<br>SYSTEM > StandardParts > nkombi22<br>SYSTEM > StandardParts > nkombi23 |
| 12   | Schicht-Farbe-Staerke-Art (MASCH: Mittellinien)                                | SYSTEM > StandardParts > nkombi31<br>SYSTEM > StandardParts > nkombi32<br>SYSTEM > StandardParts > nkombi33 |
| 14   | Schicht-Farbe-Staerke-Art (MASCH: strichlierte Linien)                         | SYSTEM > StandardParts > nkombi41<br>SYSTEM > StandardParts > nkombi42<br>SYSTEM > StandardParts > nkombi43 |
| 16   | Schicht-Farbe-Staerke-Art (MASCH: unsichtbare Linien)                          | SYSTEM > StandardParts > nkombi51<br>SYSTEM > StandardParts > nkombi52<br>SYSTEM > StandardParts > nkombi53 |
| 18   | Schicht-Farbe-Staerke-Art (STAHL)                                              |                        |
| 20   | Schicht-Farbe-Staerke-Art (STAHL)                                              |                        |

| Line | Description in NORM.DAT                                                                                | Key name                                                           |
|------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 22   | Schicht-Farbe-Staerke-Art (STAHL)                                                                      | ✗                                                                  |
| 24   | Schicht-Farbe-Staerke-Art (STAHL)                                                                      | ✗                                                                  |
| 26   | Schicht-Farbe-Staerke-Art (STAHL)                                                                      | ✗                                                                  |
| 28   | Mittellinien-Teilstuecke bei Bohrungen (0-1=durchgehend / 2=2 Teilstuecke)                             | SYSTEM > StandardParts > mittel                                    |
| 30   | Ueberstand Mittellinien : Min-Max Laengen-Bezugswerte                                                  | SYSTEM > StandardParts > ueb1<br>SYSTEM > StandardParts > ueb2     |
| 32   | Ueberstand Mittellinien : zugehoeriger Ueberstand                                                      | SYSTEM > StandardParts > uebmin<br>SYSTEM > StandardParts > uebmax |
| 34   | Eintraege fuer Normteilerkennung (J/N)                                                                 | SYSTEM > StandardParts > ntkenjn                                   |
| 36   | Kerndurchmesser fuer Innengewinde (0) oder Aussengewinde (1) oder Bohrdurchmesser (2) verwenden        | SYSTEM > StandardParts > kerdtyp                                   |
| 38   | Flaechen/Kantenfarbe Montagebohrung (-1 = Standard)                                                    | SYSTEM > StandardParts > imcontrol                                 |
| 40   | Fadenkreuzfarbe Montagebohrung (-1 = Standard)                                                         | SYSTEM > StandardParts > imcontrolfkreuz                           |
| 42   | Prüfung der Sacklochtiefe ( > 0 -> erforderliche Mindestmaterialdicke, <= 0 keine Prüfung )            | SYSTEM > StandardParts > dminmatdicke                              |
| 44   | Belegen der Schraubenlaenge auf Attribut \$03 ( 1=ja, 0 = nein, bzw. nur falls im Katalog verknuepft ) | SYSTEM > StandardParts > iscrewlength03                            |

## PARAMASS.DAT

The settings from the file PARAMASS.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in PARAMASS.DAT                                                                                                                   | Key name                                                                            |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      | Parameterbemaßung ein/aus (1/0)                                                                                                               |                                                                                     |
| 4    | Generierung von Regelkoerpern<br>1                                                                                                            | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_PrimitivesParts    |
| 7    | Generierung von Translationsteilen<br>1                                                                                                       | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_ExtrudedParts      |
| 9    | Generierung von Rotationsteilen<br>1                                                                                                          | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_RevolvedParts      |
| 11   | Ausnehmen/Anfuegen/Bohren<br>1                                                                                                                | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_Bore               |
| 13   | Rundungen<br>1                                                                                                                                | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_Fillet             |
| 15   | Normbearbeitungen<br>1                                                                                                                        | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_StdProc            |
| 17   | Blech: Grundblech, Blechlaschen, Blech entlang Skizze, Blech aus Skizze, Stanzen<br>1                                                         | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_SheetMetal         |
| 19   | Blechlaschenlänge<br>1                                                                                                                        | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_SheetMetal_Flange  |
| 21   | Stahlbau: Profil aus Skizze, Blech aus Skizze<br>1                                                                                            | SYSTEM > Annotation > Dimensioning3D > Parameter > CreateParaDim_Steelwork          |
| 36   | Parameterbemaßung einblenden in aktiver Ansicht fuer<br>aktives Teil/ aktiven Featureschritt des aktiven Teils/ nicht einblenden (1/2/0)<br>2 |  |
| 39   | Neuzeichnen von schattierten Ansichten nach dem Ausblenden von Parameterbemaßung (1/0)<br>0                                                   |  |
| 42   | Beschriftungshöhe Maßzahl<br>3.5                                                                                                              | SYSTEM > Annotation > Dimensioning3D > HCM > HCM_SYMBOL_HEIGHT                      |
| 44   | Textfont Maßzahl<br>5                                                                                                                         | SYSTEM > Annotation > Dimensioning3D > HCM > HCM_SYMBOL_FONT                        |

| Line | Description in PARAMASS.DAT                                                              | Key name                                                       |
|------|------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 46   | Defaultwert Farb.-Strichstärkekombination (Codierung nach bempar.dat)( 000-999 ):<br>008 | SYSTEM > Annotation > Dimensioning3D > HCM > HCM_SYMBOL_COLOUR |
| 48   | Platzierungsraster Maßlinie<br>10                                                        | SYSTEM > Annotation > Dimensioning3D > Parameter > ParaDimDist |

## PASSTAB.DAT and PASSTAB0.DAT

The settings in the PASSTAB.DAT file are no longer relevant for new fits tables in HiCAD.

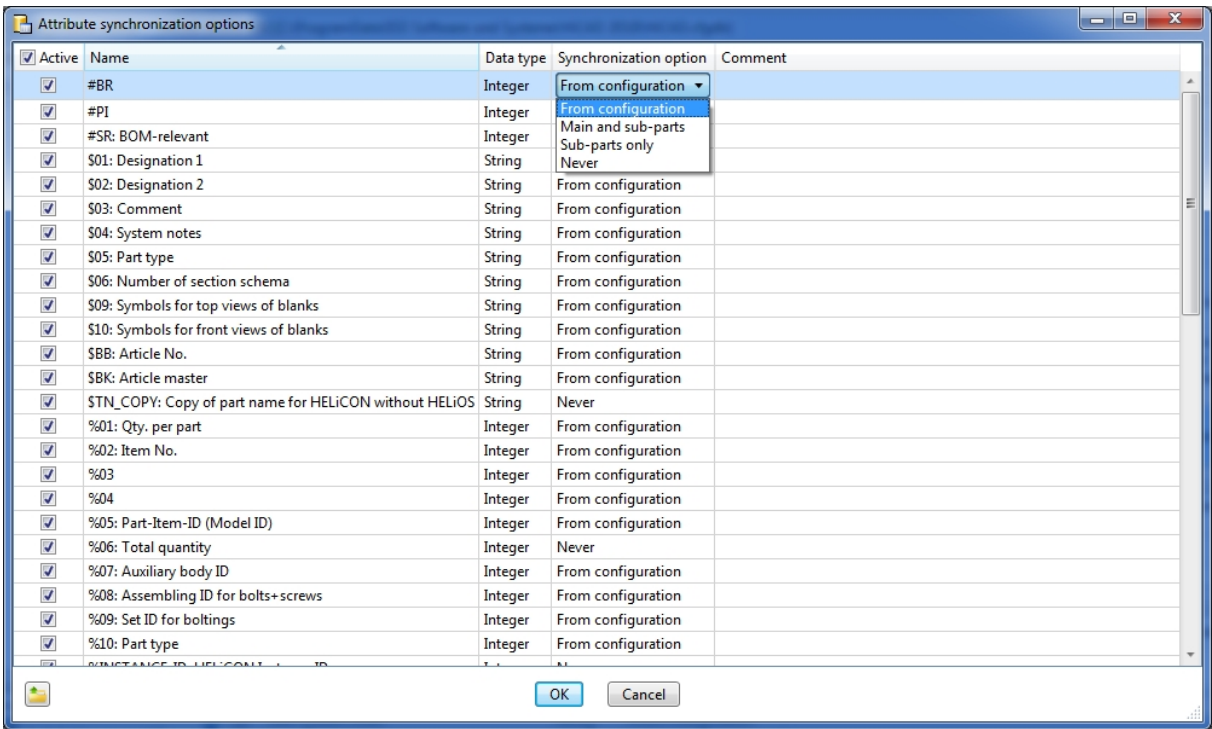
As the settings are still required for an updating of old fits tables, PASSTAB.DAT and PASSTAB0.DAT remain in the SYS directory.

## REF3D\_ATTR\_AKT.DAT

The settings from the file REF3D\_ATTR\_AKT.DAT for the synchronization of part attributes for referenced parts have been moved to the Configuration Editor (ISDConfigEditor.exe). At **System settings > Referencing** you can find the find the setting option **Synchronization of attributes** (SYSTEM > Referencing > RefPartAttrUpdate).

If you click on the  symbol, a window with a table will be opened, enabling you to specify for each part attribute:

- if it is to be updated for sub-parts only,
- whether the settings from the Configuration Editor are to be applied, or
- whether it is never to be updated.



The ISD default settings (detail)

For the corresponding part attribute a line with the following structure must exist:

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Active | <p>Via the checkboxes of this column you can specify for each of the attributes whether it is to be synchronized or not.</p> <p>If you want to activate or deactivate all checkboxes, activate or deactivate the checkbox in the column header, e.g.  <b>Active</b> .</p> <p>You can also use the functions of the context menu, which you open by right-clicking a table entry.</p> |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                   | Here you can find the name of the attribute. Attributes pre-defined by the ISD can also be selected via the selection box. To do this, double-click on the corresponding row and choose the attribute from the list.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Data type</b>              | Here you can choose the attribute type (double-click on the row): Integer, Double, String or String (ANSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synchronization option</b> | <p>Here you can select the type of the synchronization.<br/>The following options are possible:</p> <ul style="list-style-type: none"> <li>▪ <b>Never</b><br/>The specified part attribute is never updated.</li> <li>▪ <b>From configuration</b><br/>The setting from the Configuration Editor at <b>System settings &gt; Referencing &gt; Synchronize item numbers/part attributes when updating file</b> will be applied.</li> <li>▪ <b>Sub-parts only</b><br/>The part attribute will only be updated for sub-parts.</li> <li>▪ <b>Main and sub-parts</b><br/>The part attribute will be updated for main parts and sub-parts.</li> </ul> <p> Part attributes that do not appear in the table will be updated for main parts and sub-parts.</p> |
| <b>Comment</b>                | Here you can enter a comment text.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

To insert further attribute rows, scroll down to the bottom of the table. There, click on the empty row and specify the desired settings. Exit the **Attribute synchronization options** dialogue window with **OK**.

The sorting of the table can be changed by clicking on a column header.

Right-click on a table entry to open a context menu whose functions enable you to delete the marked table row and activate or deactivate all checkboxes of the **Active** column.



**Please note:**

Up to HiCAD 2017 the settings for attribute synchronization could be found in the system file **REF3D\_ATTR\_AKT.DAT**.

If you want to take over the settings from an existing REF3D\_ATTR\_AKT.DAT file, this can be done via the **Open file**



button. After selecting the file, the settings shown in the **Attribute synchronization options** dialogue window will be overwritten with those of the selected file. Confirm with **OK**.

If you have customized the **REF3D\_ATTR\_AKT.DAT** file, save the file before performing an update!

## SCHRIF.DAT

The settings from the file SCHRIF.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name).

| Line | Description in SCHRIF.DAT                                                | Key name                                                |
|------|--------------------------------------------------------------------------|---------------------------------------------------------|
| 2    | Schriftart 1 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>1.0, 0.0     | System > Text > Type > V1<br>System > Text > Type > W1  |
| 4    | Schriftart 2 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>0.8125, 0.0  | System > Text > Type > V2<br>System > Text > Type > W2  |
| 6    | Schriftart 3 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>0.8125, 15.0 | System > Text > Type > V3<br>System > Text > Type > W3  |
| 8    | Schriftart 4 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>0.6250, 0.0  | System > Text > Type > V4<br>System > Text > Type > W4  |
| 10   | Schriftart 5 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>0.6250, 15.0 | System > Text > Type > V 5<br>System > Text > Type > W5 |
| 12   | Schriftart 6 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>0.4375, 0.0  | System > Text > Type > V6<br>System > Text > Type > W6  |
| 14   | Schriftart 7 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>0.4375, 15.0 | System > Text > Type > V7<br>System > Text > Type > W7  |
| 16   | Schriftart 8 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>1.5, 0.0     | System > Text > Type > V8<br>System > Text > Type > W8  |
| 18   | Schriftart 9 (Verhaeltnis Breite:Hohe , Neigungswinkel )<br>1.0, 15.0    | System > Text > Type > V9<br>System > Text > Type > W9  |

## SKIZZTEC.DAT

The settings from the file SKIZZTEC.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in SKIZZTEC.DAT                                                    | Key name                                                                            |
|------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1    | Rasterwinkel fuer Richtungsgerade<br>15                                        | SketchPoly2dBaseGridAngle                                                           |
| 3    | Rasterwinkel nach Punktfunktion<br>fuer Referenzlinie<br>15                    |  |
| 5    | Einstellradius fuer den Winkel (Faktor fuer die Bildschirm-laenge in x)<br>0.1 |  |

| Line | Description in SKIZZTEC.DAT                                                                         | Key name                                                                                                                                                                                        |
|------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7    | Rueckstellradius (Faktor fuer die<br>Bildschirmlaenge in x)<br>0.01                                 | ✗                                                                                                                                                                                               |
| 9    | Cursorfarbe (Die Cursordaten so<br>wie in der Cursorroutine setzen)<br>-13                          | ✗                                                                                                                                                                                               |
| 11   | Cursorstrichart fuer Linencursor<br>4                                                               | SketchPoly2dBasePreviewLineType2                                                                                                                                                                |
| 13   | Cursorstrichart fuer Winkelcursor<br>2                                                              | SketchPoly2dBasePreviewLineType1                                                                                                                                                                |
| 15   | Datenspeichergrenze fuer<br>Neuzeichnung der FIG (in tausend)<br>5                                  | ✗                                                                                                                                                                                               |
| 17   | Faktor fuer Distanzcursor<br>5.                                                                     | ✗                                                                                                                                                                                               |
| 19   | Winkelanzeige 0=absolut / 1=relativ<br>1                                                            | SketchPoly2dStartAngularReference                                                                                                                                                               |
| 21   | Auto HCM- Uebergabe (additiv):<br>0=Nein / 1=Ja / 2= mit Variablen /<br>4= mit Massen<br>7          | SketchPoly2dBaseHcmOption                                                                                                                                                                       |
| 23   | Voreinstellung fuer Skizziermodus:<br>0=xy- Raster / 1=Winkel- Distanz-<br>Raster<br>1              | SketchPoly2dBaseStartMode                                                                                                                                                                       |
| 25   | Beschriftungshoeihen<br>3.5 3.0                                                                     | SketchPoly2dBasePreviewTextNearCursorHeight,<br>SketchPoly2dBasePreviewTextNearCursorExtraHeight                                                                                                |
| 27   | HiCAD- Farben fuer Koordinaten-<br>Beschriftung - ( Rot Dunkelgruen<br>Blau Dunkelblau )<br>4 1 3 5 | SketchPoly2dBasePreviewTextNearCursorColour1,<br>SketchPoly2dBasePreviewTextNearCursorColour2,<br>SketchPoly2dBasePreviewTextNearCursorColour3,<br>SketchPoly2dBasePreviewTextNearCursorColour4 |

## SSTINI.DAT

The settings of the SSTINI.DAT file are no longer relevant for HiCAD. The file is therefore no longer available.

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## SSTINI3D.DAT

The settings of the SSTINI3D.DAT file are no longer relevant for HiCAD. The file is therefore no longer available.

## SSWRITESTEP.DAT

The settings from the file SSWRITESTEP.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in SSWRITESTEP.DAT                                                                                                                                    | Key name                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 6    | Bearbeiten: 1 = aktives Teil, 2 = ganze Konstruktion<br>Krp 2 #ganze Konstruktion                                                                                 | Interfaces > CommonInterfaces3D > EXPORT_PartsToBeExported                                                                         |
| 12   | Dateiname: Default = Pfad der zu schreibende HiCAD Szenen<br>WinPfad D:\hicad\ztldb\ der angebene Pfad wird genommen<br>WinPfad Default                           |                                                 |
| 18   | Volumen/Oberfläche/ berechnen? 1 = nicht berechnen,<br>2 = berechnen<br>calcVol 1 #nicht berechnen                                                                |                                                 |
| 23   | Geometrieattribute wie Farben, Schichten, usw schreiben? Darf bei Nastran nicht geschrieben werden<br>1 = nicht schreiben, 2 = schreiben!<br>GeoAttr 2 #Schreiben | Interfaces > CommonInterfaces3D > DEX_ExportOption_store_layers<br>Interfaces > CommonInterfaces3D > DEX_ExportOption_store_colors |
| 28   | Dialog anzeigen? 1 = nicht anzeigen, 2 = anzeigen<br>Dialog 2 #nicht anzeigen                                                                                     |                                               |
| 33   | Gewindekörper übertragen: 1 = nicht übertragen, 2 = übertragen, 3 = mit zugehöriger Geometrie vereinigen<br>GewPart 1 #nicht übertragen                           | Interfaces > CommonInterfaces3D > EXPORT_ThreadPart                                                                                |

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## STABMPAR.DAT

The settings from the file STABMPAR.DAT are no longer relevant for HiCAD. The file has therefore been withdrawn.

## STB\_PARAMETER.DAT

The settings from the file STB\_PARAMETER.DAT have been moved into the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                                                                                                | Key name                                                                                                              |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5    | Default material for steel engineering parts: (table ID, line ID)<br>Defaultmaterial für Stahlbauteile: (TabellenID, ZeilenID)<br>1 4                                                                                                                                                           | STEELWORK > DefaultMaterial > DefaultSteelMaterialTableID<br>STEELWORK > DefaultMaterial > DefaultSteelMaterialItemID |
| 7    | Type of weight calculation for beams and profiles: (1 = exact volume * density, 2 = DIN-weight, commercial weight)<br>Art der Gewichts Berechnung für Profile: (1 = exaktes Volumen * Dichte, 2 = DIN-Gewicht, Handelsgewicht)<br>1                                                             | STEELWORK > WeightComputation > WeightComputationModeProfiles                                                         |
| 10   | Type of weight calculation for plates and sheets: (1 = exact volume * density, 2 = length*width*thickness * density)<br>Art der Gewichts Berechnung für Bleche: (1 = exaktes Volumen * Dichte, 2 = Länge*Breite*Dicke * Dichte)<br>2                                                            | STEELWORK > WeightComputation > WeightComputationModePlates                                                           |
| 13   | Sheet metal waste: consider re-entrant corners, limit (min. surface): (0 = no, 1 = yes), [m^2]<br>Blechverschnitt: einspringende Ecken berücksichtigen, Grenze (min. Fläche): (0 = nein, 1 = ja), [qm]<br>0 0.2                                                                                 | STEELWORK > WeightComputation > ConsiderPlateRecess<br>STEELWORK > WeightComputation > MinAreaOfPlateRecess           |
| 18   | Representation of beams and profiles: (0 = simplified, 1 = exact, 2 = axis only)<br>Art der Profildarstellung: (0 = vereinfacht, 1 = exakt, 2 = nur Achse)<br>1                                                                                                                                 | STEELWORK > Representation > ProfileRepresentation                                                                    |
| 20   | Representation of axes: (0 = without line without points, 1 = with line with points, 2 = without line with points, 3 = with line without points)<br>Darstellung der Achsen: (0 = ohne Linie ohne Punkte, 1 = mit Linie mit Punkten, 2 = ohne Linie mit Punkten, 3 = mit Linie ohne Punkte)<br>1 | STEELWORK > Representation > AxisRepresentation<br>STEELWORK > Representation > EndPointsRepresentation               |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                                                                                  | Key name                                                                                                                                                  |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22   | Representation of marking lines: (0 = no, 1 = yes)<br>Darstellung der Risslinien: (0 = nein, 1 = ja)<br>0                                                                                                                                                                         | STEELWORK > Representation > MarkingLinesRepresentation                                                                                                   |
| 24   | Representation of beam texts: (0 = no, 1 = yes)<br>Darstellung der Profiltexthe: (0 = nein, 1 = ja)<br>0                                                                                                                                                                          | STEELWORK > Representation > ProfileDesignationRepresentation                                                                                             |
| 26   | Show bearing bar orientation in gratings: (0 = no, 1 = yes)<br>Tragstabrichtung von Gitterrosten darstellen: (0 = nein, 1 = ja)<br>1                                                                                                                                              | STEELWORK > Representation > BearingBarRepresentation                                                                                                     |
| 30   | First steel engineering part item number: (start value/factor/allowance) /<br>Erste Stahlbauteil-Positionsnummer: (Startwert/Faktor/Zuschlag)<br>1                                                                                                                                | Compatibility > Itemization > ItemNumberAllocation > StartValueSteelConstructionParts                                                                     |
| 32   | Type of detection for first item number of main parts and sub-parts: (1 = Start value, 2 = Factor, 3 = Allowance)<br>Art der Ermittlung der ersten Positionsnummer von Haupt- und Nebenteilen: (1 = Startwert, 2 = Faktor, 3 = Zuschlag)<br>1                                     | Compatibility > Itemization > ItemNumberAllocation > StartValueMode                                                                                       |
| 37   | Itemisation of standard parts: (0 = no, 1 = yes), first standard part item number: (Start value/Factor/Allowance)<br>Positionierung von Normteilen: (0 = nein, 1 = ja), erste Normteil-Positionsnummer: (Startwert/Faktor/Zuschlag)<br>1 1                                        | Compatibility > Itemization > ItemNumberAllocation > ItemizeStandardParts<br>Compatibility > Itemization > ItemNumberAllocation > StartValueStandardParts |
| 39   | Itemisation of non-steel engineering parts: (0 = no, 1 = yes), first non-steel engineering item number: (Start value/Factor/Allowance)<br>Positionierung von Nichtstahlbauteilen: (0 = nein, 1 = ja), erste Nichtstahlbauteil-Positionsnummer: (Startwert/Faktor/Zuschlag)<br>1 1 | Compatibility > Itemization > ItemNumberAllocation > ItemizeGeneralParts<br>Compatibility > Itemization > ItemNumberAllocation > StartValueGeneralParts   |
| 41   | Selection of parts to be itemised according to visibility<br>Auswahl der zu positionierenden Teile nach Sichtbarkeit: (0 = alle, 1 = alle sichtbaren, 2 = alle in aktiver Ansicht sichtbaren)<br>0                                                                                | Compatibility > Itemization > ItemizationControl > SelectionByVisibility                                                                                  |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                                                                                                                                                    | Key name                                                                                  |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 50   | Overwrite existing item numbers: (0 = no, 1 = yes)<br>vorhandene Positionsnummern überschreiben: (0 = nein, 1 = ja)<br>0                                                                                                                                                                                                                            | Compatibility > Itemization > ItemizationControl > OverwriteItemNumbers                   |
| 54   | Consider boltings during identical part search: (0 = no, 1 = yes)<br>Berücksichtigung von Verschraubungen bei der geometrischen Gleichteilerkennung: (0 = nein, 1 = ja)<br>1                                                                                                                                                                        | Compatibility > Itemization > IdenticalPartSearch > ConsiderBoltings                      |
| 58   | Mode for length and height determination: (1 = automatic, 2 = input, 3 = without connecting profile)<br>Modus der Ermittlung von Länge und Höhe: (1 = automatisch, 2 = Eingabe, 3 = ohne Anschlußprofil)<br>:<br>1                                                                                                                                  | STEELWORK > Notching > NotchingComputationMode                                            |
| 60   | Notch type: (1 = with bore, 2 = with radius), notch radius<br>Typ der Ausklinkung (1 = mit Bohrung, 2 = mit Radius), Ausklinkradius<br>2 8.5                                                                                                                                                                                                        | STEELWORK > Notching > NotchShape<br>STEELWORK > Notching > NotchRadius                   |
| 62   | Distance from web, min. distance from flange<br>Abstand vom Steg, Mindestabstand vom Flansch<br>10 10                                                                                                                                                                                                                                               | STEELWORK > Notching > NotchDistanceToWeb<br>STEELWORK > Notching > NotchDistanceToFlange |
| 64   | Length of notch, height of notch<br>Länge der Ausklinkung, Höhe der Ausklinkung<br>100 50                                                                                                                                                                                                                                                           | STEELWORK > Notching > NotchLength<br>STEELWORK > Notching > NotchHeight                  |
| 68   | Permissible angle deviation in degrees from orthogonality respectively identity of the direction vectors of the profile axes, for which DAST-connections are still generated<br>zulässige Winkelabweichung in Grad von der Orthogonalität bzw. Identität der Richtungsvektoren der Profilachsen, bei der noch DAST-Anschlüsse generiert werden<br>0 | STEELWORK > DAST-Connections > AngleDeviation                                             |
| 72   | Clearance between girder and column (IW connection)<br>Luftspalt zwischen Träger und Stütze (bei Anschluss IW)<br>10                                                                                                                                                                                                                                | STEELWORK > DAST-Connections > ClearanceBeamPillarIW                                      |
| 74   | max. clearance gap between girder and column (IG connection)<br>max. Luftspalt zwischen Träger und Unterzug (bei Anschluss IG)<br>10                                                                                                                                                                                                                | STEELWORK > DAST-Connections > ClearanceBeamGirderIG                                      |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                                                                                                                                                                                                                                                   | Key name                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 76   | Bore diameter for DAST-connections ( 1=smooth <=1mm, 2 DIN 18800 <=2or3mm )<br>Bohrungsdurchmesser bei DAST-Anschlüssen ( 1=fein <=1mm, 2 DIN 18800 <=2oder3mm )<br>2                                                                                                                                                                                                                                                                              | STEELWORK > DAST-Connections > ToleranceBoreDiameter                         |
| 80   | Notch side without connecting beam during notching process (0 = on both sides, 1 = on one side)<br>Ausklinkseite beim Ausklinken ohne Anschlußprofil (0 = beidseitig, 1 = einseitig)<br>0                                                                                                                                                                                                                                                          | STEELWORK > Notching > NotchingSide                                          |
| 84   | Handling of existing item numbers when inserting steel engineering parts: (0 = delete always, 1 = always take over with modification mark, 2 = query when inserting, 3 = always take over without modification mark)<br>Behandlung vorhandener Positionsnummern beim Einfügen von Stahlbauteilen: (0 = immer löschen, 1 = immer übernehmen mit Änderungsmarkierung, 2 = Abfrage beim Einfügen, 3 = ohne Änderungsmarkierung immer übernehmen)<br>3 | Compatibility > Itemization > ModificationHandling > ModificationByInserting |
| 89   | Display glass id (cross in the glass centre of gravity): (0 = no, 1 = yes)<br>Glaskennung darstellen (Kreuz im Glasschwerpunkt): (0 = nein, 1 = ja)<br>1                                                                                                                                                                                                                                                                                           | STEELWORK > Representation > SymbolRepresentation                            |
| 91   | Cross size for glass id<br>Kreuzgröße für Glaskennung<br>200                                                                                                                                                                                                                                                                                                                                                                                       | STEELWORK > Representation > SymbolCrossDimension                            |
| 99   | Representation of plates and sheets: (0 = simplified, 1 = exact)<br>Art der Blechdarstellung: (0 = vereinfacht, 1 = exakt) :<br>0                                                                                                                                                                                                                                                                                                                  | STEELWORK > Representation > PlateRepresentation                             |
| 101  | Representation of grid: (0 = simplified, 1 = exact)<br>Art der Gitterrostdarstellung: (0 = vereinfacht, 1 = exakt)<br>1                                                                                                                                                                                                                                                                                                                            | STEELWORK > Representation > SteelGratingRepresentation                      |
| 103  | Representation of glass panes: (0 = simplified, 1 = exact)<br>Art der Glasscheibendarstellung: (0 = vereinfacht, 1 = exakt)<br>1                                                                                                                                                                                                                                                                                                                   | STEELWORK > Representation > GlassPaneRepresentation                         |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                         | Key name                                                                           |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 111  | Notching length according to DAST: (0 = no, 1 = yes)<br>Ausklümlänge nach DAST: (0 = nein, 1 = ja)<br>1                                                                                                                  | STEELWORK > Notching > NotchDimensionsAccordingToDAST                              |
| 115  | Auto-create weld seams: (0 = no, 1 = yes)<br>Schweißnähte automatisch erzeugen: (0 = nein, 1 = ja)<br>0                                                                                                                  | STEELWORK > DAST-Connections > CreateWeldedConnection                              |
| 121  | Itemisation of identical parts: (0 = In entire drawing, 1 = In assemblies, 2 = In active part)<br>Positionierung gleicher Teile: (0 = in ganzer Szene, 1 = innerhalb von Baugruppen, 2 = im aktiven Teil)<br>2           | Compatibility > Itemization > ItemizationControl.ScopeOfItemization                |
| 123  | First assembly item number<br>erste Baugruppen-Positionsnummer<br>1                                                                                                                                                      | Compatibility > Itemization > ItemNumberAllocation > StartValueAssemblyParts       |
| 125  | Consider part attributes for assigning of identical item numbers (0 = no, 1 = yes)<br>Berücksichtigung von Teileattributen bei der Vergabe gleicher Positionsnummern (0 = nein, 1 = ja)<br>1                             | Compatibility > Itemization > ItemizationControl > ConsiderPartAttributes          |
| 127  | Consider database part master for assigning of identical item numbers (0 = no, 1 = yes)<br>Berücksichtigung von Datenbank-Teilestamm bei der Vergabe gleicher Positionsnummern (0 = nein, 1 = ja)<br>1                   | Compatibility > Itemization > ItemizationControl > ConsiderPartMasterData          |
| 129  | Itemised part levels for active part (0 = all levels, >0 = Number of levels)<br>Ebenen relevanter Teile vom aktiven Teil bis zu denen Bauteile positioniert werden sollen (0 = alle Ebenen, >0 = Anzahl der Ebenen)<br>0 | Compatibility > Itemization > ItemizationControl > ActivePartStructureLevel        |
| 132  | Max. number of itemisable levels for active part (Upper limit of combo box)<br>max. mögliche Auswahl von zu positionierenden Ebenen des aktiven Teils (Obergrenze der Combobox)<br>5                                     | Compatibility > Itemization > ItemizationControl > ActivePartStructureLevelMaximum |
| 134  | Check precision of 2-D figures for metal engineering profiles (0=no, 1=yes)<br>2D-Figurengenauigkeit bei Metallbauprofilen prüfen (0=Nein, 1=Ja)<br>0                                                                    | METALENGINEERING > PartGeneration > CheckFigureGeometry                            |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                       | Key name                                                                             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 138  | Contour representation of series beams (0 = no, 1 = yes)<br>Konturdarstellung von Baureihenprofilen (0 = nein, 1 = ja)<br>0                                                                            | STEELWORK > Representation > ContourRepresentation                                   |
| 142  | Also mark existing item numbers as changed when parts are changed (0 = no, 1 = yes)<br>vorhandene Positionsnummern beim Ändern von Bauteilen ebenfalls als geändert markieren (0 = nein, 1 = ja)<br>0  | Compatibility > Itemization > ModificationHandling > ModificationByEditing           |
| 146  | Definition of cutting angle (0 = between cut and cross-section, 1 = between cut and axis)<br>Festlegung des Schnittwinkels (0 = zwischen Schnitt und Querschnitt, 1 = Zwischen Schnitt und Achse)<br>0 | STEELWORK > CuttingAngle > CuttingAngleReference                                     |
| 150  | Incrementation for assembly item numbers<br>Schrittweite für Baugruppen-Positionsnummern<br>1                                                                                                          | Compatibility > Itemization > ItemNumberAllocation > IncrementAssemblyParts          |
| 152  | Incrementation for steel engineering part item numbers<br>Schrittweite für Stahlbauteil-Positionsnummern<br>1                                                                                          | Compatibility > Itemization > ItemNumberAllocation > IncrementSteelKonstruktionParts |
| 154  | Incrementation for standard part item numbers<br>Schrittweite für Normteil-Positionsnummern<br>1                                                                                                       | Compatibility > Itemization > ItemNumberAllocation > IncrementStandardParts          |
| 156  | Incrementation for non-steel engineering part item numbers<br>Schrittweite für Nichtstahlbauteil-Positionsnummern<br>1                                                                                 | Compatibility > Itemization > ItemNumberAllocation > IncrementGeneralParts           |
| 158  | Auto-reference identical parts during itemisation (0 = no, 1 = internally, 2 = externally)<br>automatisch beim Positionieren gleiche Teile referenzieren (0 = nein, 1 = intern, 2 = extern)<br>0       | Compatibility > Itemization > ItemizationControl > ItemizationReferencing            |
| 161  | Reference with/without sub-parts (0 = without, 1 = with)<br>ohne/mit Nebenteile referenzieren (0 = ohne, 1 = mit)<br>0                                                                                 | Compatibility > Itemization > ItemizationControl > ReferenceWithSubparts             |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                         | Key name                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 165  | Use default values in design variants (0=no, 1=yes)<br>Defaultwerte in Designvarianten verwenden<br>(0=Nein, 1=Ja)<br>1                                                                  |  |
| 169  | Body color of series beams from edge color of the figures (0 = no, 1 = yes)<br>Körperfarbe der Baureihenprofile aus Kantenfarbe der Figuren (0 = nein, 1 = ja)<br>1                      | STEELWORK > Representation > UseColorOfFigure                                     |
| 173  | Sorting of item numbers of assembly main parts always first (0 = no, 1 = yes)<br>Sortierung der Positionsnummern von Baugruppenhauptteilen immer zuerst (0 = nein, 1 = ja)<br>1          | Compatibility > Itemization > ItemNumberAllocation > MainPartNumbersFirst         |
| 177  | Check conflicts with existing item numbers (0 = no, 1 = yes)<br>Konflikte mit vorhandenen Positionsnummern prüfen (0 = nein, 1 = ja)<br>1                                                | Compatibility > Itemization > IndividualItemization > CheckConflicts              |
| 179  | Also itemise identical parts (0 = no, 1 = yes)<br>Alle gleichen Teile ebenfalls positionieren (0 = nein, 1 = ja)<br>1                                                                    | Compatibility > Itemization > IndividualItemization > WithIdenticalParts          |
| 183  | Mathematical tolerance for facet comparison<br>mathematische Toleranz für den Facettenvergleich<br>0.001                                                                                 | Compatibility > Itemization > IdenticalPartSearch > MathematicalTolerance         |
| 185  | Consider all parts for geometric identical part search (0 = no, 1 = yes)<br>Bei der geometrischen Gleichteilerkennung alle Teile berücksichtigen (0 = nein, 1 = ja)<br>1                 | Compatibility > Itemization > IdenticalPartSearch > CompareAllParts               |
| 189  | Number of decimal places for cutting angle specification (0...6)<br>Anzahl der Nachkommastellen für Schnittwinkelangaben (0...6)<br>1                                                    | STEELWORK > CuttingAngle > CuttingAngleDecimalPlaces                              |
| 192  | HELIOS Steel Engineering Drawing Management<br>Helios Verwaltung für Stahlbaukonstruktionen<br>0                                                                                         | PDM > BIM-PDM > IS_BIM_ONLINE                                                     |
| 194  | DSTV-Output: Use assembly item number instead of main part item number (0=no, 1=yes)<br>DSTV-Ausgabe: Positionsnummer der Baugruppe statt des Hauptteiles übernehmen (0=nein, 1=ja)<br>0 | STEELWORK > DSTV-NC > UseItemNrOfAssembly                                         |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                                                                                                                                     | Key name                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 198  | Position of glass id (0 = centre, 1 = outside, -1 = inside, 2 = inside and outside)<br>Position der Glaskennung (0 = Glasmitte, 1 = Glasaußenseite, -1 = Glasinnenseite, 2 = Glasaußen- und Glasinnenseite)<br>0                                                                                                                     | STEELWORK > Representation > SymbolPosition                                                                                                                                                                                  |
| 202  | Consider roll and bending radii of simplified standard beams as allowance during exact weight calculation (0 = nein, 1 = ja)<br>bei exakter Gewichtsrechnung die Walz- und Biegeradien von vereinfacht dargestellten Normprofilen als Zuschlag berücksichtigen (0 = nein, 1 = ja)<br>1                                               | STEELWORK > WeightComputation > ConsiderVirtualProfileRadii                                                                                                                                                                  |
| 206  | Consider production type of bores (workshop, site, ...) during identical part search (0 = no, 1 = yes)<br>Berücksichtigung der Fertigungsart von Bohrungen (Werkstatt, Baustelle, ...) bei der Gleichteilerkennung (0 = nein, 1 = ja)<br>0                                                                                           | Compatibility > Itemization > IdenticalPartSearch > ConsiderBoreType                                                                                                                                                         |
| 208  | Consider manually created powder marking lines or marking lines and punch marks according to DSTV-NC export during identical part search (0 = no, 1 = yes)<br>Berücksichtigung von manuell erzeugten Pulverlinien bzw. von Pulverlinien und Körnerpunkten gemäß DSTV-NC-Ausgabe bei der Gleichteilerkennung: (0 = nein, 1 = ja)<br>0 | Compatibility > Itemization > IdenticalPartSearch > ConsiderMarkings                                                                                                                                                         |
| 210  | Consider weld seams during identical part search (0 = no, 1 = yes)<br>Berücksichtigung von Schweißnähten bei der Gleichteilerkennung (0 = nein, 1 = ja)<br>0                                                                                                                                                                         | Compatibility > Itemization > IdenticalPartSearch > ConsiderWeldings                                                                                                                                                         |
| 214  | Itemisation of weld seams (0 = no, 1 = yes), first weld seam item number (start value/-factor/allowance), incrementation for weld seam itemisation<br>Positionierung von Schweißnähten (0 = nein, 1 = ja), erste Schweißnaht-Positionsnummer(Startwert/Faktor/Zuschlag), Schrittweite für Schweißnaht-Positionsnummern<br>0 20000 1  | Compatibility > Itemization > ItemNumberAllocation > ItemizeWeldParts<br>Compatibility > Itemization > ItemNumberAllocation > StartValueWeldParts<br>Compatibility > Itemization > ItemNumberAllocation > IncrementWeldParts |

| Line | Description in STB_PARAMETER.DAT                                                                                                                                                                                                                                                     | Key name                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 218  | Do not output cutting angle if (0 = Cut surface has been processed, 1 = Cut surface has been processed at one or both outer sides)<br>Schnittwinkel nicht ausgeben, falls (0 = Schnittfläche bearbeitet ist, 1 = Schnittfläche an einer oder beiden Außenseiten bearbeitet ist)<br>0 | STEELWORK > CuttingAngle > CuttingAngleCondition                         |
| 220  | Indicate cutting angle = 45° in schematic sectional drawing? (0 = no, 1 = yes)<br>Winkel bei Schnittwinkel = 45° im Schnittschema anzeigen? (0 = nein, 1 = ja)<br>0                                                                                                                  | STEELWORK > CuttingAngle > CuttingAngle45Degree                          |
| 224  | Each seam with distinct number (0 = no, 1 = yes)<br>Jede Naht mit eigener Nummer (0 = nein, 1 = ja)<br>0                                                                                                                                                                             | Compatibility > Itemization > ItemNumberAllocation > SeparateWeldNumbers |
| 229  | Vertikaler Abstand vom inneren Walzradius<br>10                                                                                                                                                                                                                                      | STEELWORK > Notching > NotchDistanceToRollingRadius                      |

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## STBEMPAR.DAT

The settings from the file STBEMPAR.DAT are no longer relevant for HiCAD. The file has therefore been withdrawn.

## STBETZNG\_MASSSTAB.DAT

The settings from the STBETZNG\_MASSSTAB.DAT file are no longer relevant for HiCAD. The file is therefore no longer available as of HiCAD 2022 (version 2700). As of HiCAD 2021, **Scale Lists** can be edited and defined in the Configuration Editor at **System settings > Scales**.

## TABPAR.DAT

The settings from the file TABPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in TABPAR.DAT                                                                                     | Key name                                                                              |
|------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2    | Kennummer fuer Tablett-Typ<br>77                                                                              |    |
| 4    | Anzahl der Tasten der Lupe<br>2                                                                               |    |
| 6    | Skalierungsfaktor Tablett<br>12.75                                                                            |    |
| 8    | Nr. der seriellen Schnittstelle fuer Tablett (1-2)<br>1                                                       |  |
| 10   | Synchronbyte 1. Datenbyte<br>67                                                                               |  |
| 12   | Synchronbyte 2. Datenbyte<br>64                                                                               |  |
| 14   | Maskenbyte 1. Datenbyte<br>60                                                                                 |  |
| 16   | Maskenbyte 2. Datenbyte<br>63                                                                                 |  |
| 18   | Vergleichsbyte 1. Datenbyte<br>64                                                                             |  |
| 20   | Vergleichsbyte 2. Datenbyte<br>0                                                                              |  |
| 22   | Normierung Tastencode<br>4                                                                                    |  |
| 24   | Normierung Datenbytes<br>64                                                                                   |  |
| 26   | Anzahl der Datenbytes<br>4                                                                                    |  |
| 28   | Code Punktoption ( 25(A2,1X) )<br>\$V \$E \$R \$I I S R S2 M J O T F \$T Z \$L M2 AR \$Q \$Z L \$X B O<br>\$P |  |

| Line | Description in TABPAR.DAT                                                                                    | Key name                                |
|------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| 30   | Code ASCII Belegung ( 25(A2,1X) )<br>\$R \$E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | ✗                                       |
| 32   | Kennummer fuer Tablett-Aufleger<br>1                                                                         | ✗                                       |
| 34   | Dummy<br>0                                                                                                   | ✗                                       |
| 36   | Zeitintervall fuer "Doppelklick" in 1/100 sec<br>0                                                           | SYSTEM > Identification > idp-<br>klick |

## TXTANSI.DAT

The settings from the file TXTANSI.DAT are no longer relevant for HiCAD. The file has therefore been withdrawn.

## TXTFONT.DAT

The settings from the file TXTFONT.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name).

| Line | Description in TXTFONT.DAT | Key name                                |
|------|----------------------------|-----------------------------------------|
| 2    | Textfont 1: ANSI_KON.CHR   | System > Text > HiCAD-Fonts > fntname1  |
| 4    | Textfont 2: ANSI_PRO.CHR   | System > Text > HiCAD-Fonts > fntname2  |
| 6    | Textfont 3: KONTUR2.CHR    | System > Text > HiCAD-Fonts > fntname3  |
| 8    | Textfont 4: SIMPLK1.CHR    | System > Text > HiCAD-Fonts > fntname4  |
| 10   | Textfont 5: TECHNK1.CHR    | System > Text > HiCAD-Fonts > fntname5  |
| 12   | Textfont 6: GOTHIC.CHR     | System > Text > HiCAD-Fonts > fntname6  |
| 14   | Textfont 7: GREEK.CHR      | System > Text > HiCAD-Fonts > fntname7  |
| 16   | Textfont 8: OLD.CHR        | System > Text > HiCAD-Fonts > fntname8  |
| 18   | Textfont 9: STANDARD.CHR   | System > Text > HiCAD-Fonts > fntname9  |
| 20   | Textfont 10: DXF_PRO.CHR   | System > Text > HiCAD-Fonts > fntname10 |
| 22   | Textfont 11: KONTUR1.CHR   | System > Text > HiCAD-Fonts > fntname11 |
| 24   | Textfont 12: DXF_FUL.CHR   | System > Text > HiCAD-Fonts > fntname12 |
| 26   | Textfont 13: FORMLAGE.CHR  | System > Text > HiCAD-Fonts > fntname13 |
| 28   | Textfont 14: SCRIPK2.CHR   | System > Text > HiCAD-Fonts > fntname14 |
| 30   | Textfont 15: SIMPLK3.CHR   | System > Text > HiCAD-Fonts > fntname15 |
| 32   | Textfont 16: RUSSI.CHR     | System > Text > HiCAD-Fonts > fntname16 |
| 34   | Textfont 17: TECHNK2.CHR   | System > Text > HiCAD-Fonts > fntname17 |
| 36   | Textfont 18: TECHNV2.CHR   | System > Text > HiCAD-Fonts > fntname18 |
| 38   | Textfont 19: TECHNV3.CHR   | System > Text > HiCAD-Fonts > fntname19 |

## TXTPAR.DAT

The settings from the file TXTPAR.DAT have been moved to the Configuration Editor (ISDConfigEditor.exe). The list below shows you where to find the entries from the .DAT file in the Configuration Editor (Key name). Due to the constant further development of HiCAD, some of the entries are no longer needed. These entries are marked with the  symbol.

| Line | Description in TXTPAR.DAT         | Key name                                                                              |
|------|-----------------------------------|---------------------------------------------------------------------------------------|
| 1    | Font type - Schriftart<br>1       | Drawing > Annotation > Text > Font > FONT_NB_TNB                                      |
| 3    | Line width - Strichstaerke<br>1   |  |
| 5    | Colour - Farbe<br>5               | Drawing > Annotation > Text > Font > COLOR                                            |
| 7    | Layer number - Schichtnummer<br>1 | Drawing > Annotation > Text > Font > LAYER                                            |

| Line | Description in TXTPAR.DAT                                                                                                                                                                                            | Key name                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 9    | Position (bottom: -11 - Position (unten: -11, -10, 9) (centre: -1 - -9) (mittig: -1,0,1) (top: 9 - 1) (oben: 9,10,11)<br>-11                                                                                         | Drawing > Annotation > Text > Font > ALIGNMENT |
| 11   | Text code - Textcode<br>0                                                                                                                                                                                            | ✗                                              |
| 13   | Text height - Schrifthoehe<br>3.0                                                                                                                                                                                    | Drawing > Annotation > Text > Font > HEIGHT    |
| 15   | Text font ( 0 bis 19 ) - Textfont ( 0 bis 19 )<br>T3                                                                                                                                                                 | Drawing > Annotation > Text > Font > STYLE     |
| 17   | Type of text input (0:point-angle-text / 1:text-angle-point) - Art der Texteingabe (0:Pkt-Wink-Text / 1:Text-Wink-Pkt)<br>0                                                                                          | ✗                                              |
| 19   | Layer(4)-width(1)-colour(2)-text heights(3) -combination (height*10) - Schicht(4)-Staerke(1)-Farbe(2)-Texthoehen(3) - Kombination (Hoehe*10)<br>0001103010 0001103025 0001105035 0001100050<br>0001106070 0001102100 | ✗                                              |
| 21   | 5 Default text heights - 5 Default Schrifthoehen<br>2.5,3.5,5.0,7.0,10.0                                                                                                                                             | ✗                                              |
| 23   | Max. value text font (0-19)/20=incl.TT-fonts - Max.Wert Text-fonts (0-19)/20=incl.TT-Fonts<br>20                                                                                                                     | SYSTEM > Annotation > Text > IDFTFO            |
| 25   | Text height tolerances for text height selection - Texthoe-hentoleranz fuer Texthoehenselektion<br>0.25                                                                                                              | ✗                                              |
| 27   | Check of rotation angle for 3-D text of old versions - Pruefen des Drehwinkels von 3d-Texten alter Versionen<br>1                                                                                                    | ✗                                              |
| 29   | Use new text mask (2d,3d) 0/1 - Neue Text-Maske verwenden (2d-3d) 0/1<br>1,1                                                                                                                                         | ✗                                              |

| Line | Description in TXTPAR.DAT                                                                                                                                                                                                              | Key name                                                                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 31   | Texteditor settings: font heights - Vorbelegung fuer TextEditor:<br>Schrifthoehen<br>BEGIN<br>2<br>2.5<br>3<br>3.5<br>4<br>5<br>7<br>8<br>9<br>10<br>11<br>12<br>14<br>16<br>18<br>20<br>22<br>24<br>26<br>28<br>36<br>48<br>72<br>END | SYSTEM > Annotation > Text ><br>Preferred Text sizes > Preferred<br>text heights |

| Line | Description in TXTPAR.DAT                                                                                                                                                                                                 | Key name                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 57   | Texteditor settings: line spacing - Vorbelegung fuer TextEditor:<br>Zeilenabstand<br>BEGIN<br>20<br>10<br>7.5<br>5<br>3.5<br>2<br>1<br>0<br>-1<br>-2<br>-3.5<br>-5<br>-7.5<br>-10<br>END                                  | SYSTEM > Annotation > Text > Preferred text sizes > Preferred line spacing  |
| 74   | Texteditor settings: width factor - Vorbelegung fuer TextEditor:<br>Breitenfaktoren<br>BEGIN<br>.1<br>.2<br>.3<br>.4<br>.5<br>.6<br>.7<br>.8<br>.9<br>1<br>1.1<br>1.2<br>1.3<br>1.5<br>1.7<br>2<br>2.5<br>3<br>3.5<br>END | SYSTEM > Annotation > Text > Preferred text sizes > Preferred width factors |



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