

General Information	
<input type="checkbox"/>	Brand of machine
<input type="checkbox"/>	What hydraulic system is used (include copy of hydraulic switching diagram in case of a non Delem control!)
<input type="checkbox"/>	Backgauge configuration
<input type="checkbox"/>	Which brand controller is currently on the machine
<input type="checkbox"/>	If Delem controller, which type and Serial Number
Delem controller specific information	
General:	
<input type="checkbox"/>	What is the software version of the controller
<input type="checkbox"/>	What KO-table is installed
<input type="checkbox"/>	Input Voltage 230V or 110V
<input type="checkbox"/>	Arm mounting bolts distance: 95mm or 135mm
I/O Boards:	
<input type="checkbox"/>	7280- Please complete the type number (e.g. 7280-002)
<input type="checkbox"/>	7281- Please complete the type number
<input type="checkbox"/>	7282- Please complete the type number
<input type="checkbox"/>	7289- Please complete the type number
1 Y1 & Y2 Proportional valve interface:	
<input type="checkbox"/>	Internal valve amplifier, LVDT 3-12V feedback, coil 24V 0,8A (Hoerbiger)
<input type="checkbox"/>	External Valve amplifier, -10V..+10V (Bosch, Rexroth, etc)
2 Y1 & Y2 encoder interface (see notes 2,3 and 4):	
<input type="checkbox"/>	12 pole FRB -> 5V Differential Ended
<input type="checkbox"/>	12 pole Binder -> 5V Single Ended and 5V Differential Ended DK-FRB/M-BIN/F
3 Proportional pressure valve interface:	
<input type="checkbox"/>	Current controlled, Coil 24V 1,5A
<input type="checkbox"/>	Voltage controlled, output 0V..+10V
4 X encoder interface (see note 1):	
<input type="checkbox"/>	9 pole Sub-D -> 5V Single Ended, 5V Differential Ended and 12V Single Ended
<input type="checkbox"/>	12 pole FRB -> 5V Single Ended and 5V Differential Ended DK-FRB-SUBD
<input type="checkbox"/>	12 pole Binder -> 5V Single Ended and 5V Differential Ended DK-BIN12/F-SUBD9/M-5S
<input type="checkbox"/>	7 pole Binder -> 5V Single Ended DK-BIN7/F-SUBD9/M-5S
<input type="checkbox"/>	7 pole Binder -> 12V Single Ended DK-BIN7/F-SUBD9/M-12S
5 Aux encoder interface:	
<input type="checkbox"/>	9 pole Sub-D -> 5V Single Ended, 5V Differential Ended and 12V Single Ended
<input type="checkbox"/>	12 pole FRB -> 5V Single Ended and 5V Differential Ended DK-FRB-SUBD
<input type="checkbox"/>	12 pole Binder -> 5V Single Ended and 5V Differential Ended DK-BIN12/F-SUBD9/M-5S
<input type="checkbox"/>	7 pole Binder -> 5V Single Ended DK-BIN7/F-SUBD9/M-5S
<input type="checkbox"/>	7 pole Binder -> 12V Single Ended DK-BIN7/F-SUBD9/M-12S
6 Aux axis function (see note 5):	
<input type="checkbox"/>	X2, R, R1, R2, Z, Z1 or Z2
<input type="checkbox"/>	Part support unit

7 Function outputs:	
<input type="checkbox"/>	Function output F1-F2-F3 floating
<input type="checkbox"/>	Function output F1-F2-F3 common connected to GND (J13,J14 SET on X-Y board)
8 Crowning device:	
<input type="checkbox"/>	Motorized Wila crowning -> A>, A< with potentiometer feedback
<input type="checkbox"/>	Hydraulic crowning -> 0..+10V analog output
<input type="checkbox"/>	Not mounted
Notes:	
<ol style="list-style-type: none"> 1) If the machine has an AC controlled X-axis, this must be changed to a Servo controlled type (closed loop control, +/-10V speed signal, encoder feedback)! 2) In case of 12V linear scale, replace it by a 5V type 3) In case of 40u linear scale, replace it by a 20u type 4) In case of a single linear scale application contact Delem 5) If the machine is equipped with add-on cards DI-43 (7259-00x) or DI-44 (7357-00x), these cards should be replaced by the DI-01. In this case please indicate if you need the HSB bus connection cables and the required lengths 6) The DA-65R does not accept the old DLA file format. Please contact Delem for conversion possibilities of products and tools. The machine parameters should be programmed manually. 	
Remarks:	

The DA-65R is standard supplied with a 12-pole female FRB connector for the Y1 and Y2 linear scale interface. For the X and AUX axis a 9-pole SUBD connector is standard available. Listed below are the optional parts, which can be ordered together with the DA-65R.

Order Information (DA-65R optional parts)			
Y-axis conversion cables (length is 0,25 mtr):			
Qty	Order code	Cable ID	Description
	DK-FRB/M-BIN/F	1112-001	Enc. conv. cable for 12p FRB-male to 12p BIN-female
	DK-FRB-split-F-2M	1041-001	Splitter cable for single scale application
X-axis conversion cables (length is 0,25 mtr):			
Qty	Order code	Cable ID	Description
	DK-BIN7/F-SUBD9/M-12S	1110-001	Enc. conv. cable for 7p BINDER-female to 9p SUBD-male 12V
	DK-BIN7/F-SUBD9/M-5S	1110-003	Enc. conv. cable for 7p BINDER-female to 9p SUBD-male 5Vse
	DK-BIN12/F-SUBD9/M-5S	1110-002	Enc. conv. cable for 12p BINDER-female to 9p SUBD-male 5Vse/5Vde
	DK-FRB-SUBD	1126-001	Enc. conv. cable for 12p FRB-female to 9p SUBD-male 5Vse/5Vde

AUX-axis conversion cables (length is 0,25 mtr):			
Qty	Order code	Cable ID	Description
	DK-BIN7/F-SUBD9/M-12S	1110-001	Enc. conv. cable for 7p BINDER-female to 9p SUBD-male 12V
	DK-BIN7/F-SUBD9/M-5S	1110-003	Enc. conv. cable for 7p BINDER-female to 9 p SUBD-male 5Vse
	DK-BIN12/F-SUBD9/M-5S	1110-002	Enc. conv. cable for 12p BINDER-female to 9p SUBD-male 5Vse/5Vde
	DK-FRB-SUBD	1126-001	Enc. conv. cable for 12p FRB-female to 9p SUBD-male 5Vse/5Vde
HSB-bus connection cables, required in case of additional DI-01 card(s):			
Qty	Order code	Cable ID	Description
	DK-HSB-050	1122-004	HSB cable DM->DM, length 0.50m
	DK-HSB-L55	1122-002	HSB cable DM->DM, length 5m
DI-01 card:			
Qty	Order code	Description	
	DI-01	Add-on card assembly for DA-65R retrofit solution	
1,44 MB Floppy drive unit:			
Qty	Order code	Description	
	D-USB-FD-Assy	USB floppy drive (external), including mounting bracket	