



WorldSkills Competition  
Leipzig - Germany  
2. July - 7. July 2013



## INFRASTRUCTURE LIST

### 03 Manufacturing Team Challenge

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Technical Director - Host:				
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Number of Competitors in IL	33			
Number of Experts in IL:	13			
Number of Competitors in registrations	0			
Number of Experts in registrations:	0			
Assistants:	5			
Space Requirements:	0			
Location:				

Version: 2013-04-04 08:11:06 GMT  
Print date: 2013-11-07 13:36:48 GMT

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03 - Manufacturing Team Challenge for Leipzig 2013








 = Skill | 
  = Competitor | 
  Expert  
 = Group of Competitors | 
  = Group of Experts














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## GENERAL INSTALLATIONS

Description (EN)	Multiplier	TD Req. Qty	OC Supl. Qty	Manufacturer	Model	Size	Part no.	Specific details	Supplier	File(s)	Modified
2 Electrical outlet available/ workstation [66101]	1 *  / 3	11									2013-05-30 10:13:08
Electrical outlet available/ Machines [72537]	1 * 	1									2013-05-30 10:27:46
<b>Fair Build</b>											
stepladder (5 Steps) [72538]	1 * 	1		Hahn & Kolb							2013-04-05 08:40:20
table [66037]	1 *  / 3	11		fairnet		w: 140 cm l: 70 cm h: 72 cm		table for workplace, desk top white for writing/electrical			2013-04-03 15:46:02
table [66039]	1 *  / 3	11		fairnet		w: 140 cm l: 70 cm h: 72 cm		table for workplace, desk top white for PC work			2013-04-03 15:46:02
chair [66038]	1 * 	33		fairnet		w: 53 cm l: 42 cm seat height: 46 cm back height: 81 cm		without armrests, upholstered backrest and seat, anthracite			2013-04-03 15:46:02
chair [72530]	1 * 	13		fairnet		w: 53 cm l: 42 cm seat height: 46 cm back height: 81 cm		without armrests, upholstered backrest and seat, anthracite			2013-04-03 15:46:02






chair [72532]	25 * 	25		fairnet		w: 53 cm l: 42 cm seat height: 46 cm back height: 81 cm		without armrests, upholstered backrest and seat, anthracite for WSS			2013-04-03 15:46:02
table [66040]	5 * 	5		fairnet		w: 140 cm l: 70 cm h: 72 cm		table for workplace, desk top white for WSS and team			2013-04-03 15:46:02
Filing Cabinet Lockable [66041]	2 * 	2		Fairnet					Std. Set		2013-04-03 15:46:02
locker [66042]	3 * 	3		fairnet		w: 35 cm l: 50 cm h: 180 cm		locker with 4 integrated sheds, individual lockable, lightgrey for WSS			2013-04-03 15:46:02
locker [66043]	1 *  / 4	4		fairnet		w: 35 cm l: 50 cm h: 180 cm		locker with 4 integrated sheds, individual lockable, lightgrey			2013-04-03 15:46:02
locker [66044]	1 *  / 4	9		fairnet		w: 35 cm l: 50 cm h: 180 cm		locker with 4 integrated sheds, individual lockable, lightgrey			2013-04-03 15:46:02
table [66045]	10 * 	10		fairnet		w: 140 cm l: 70 cm h: 72 cm		table for workplace, desk top white as meeting table for 20 experts	Std. Set		2013-04-03 15:46:02
COSHH Cupboard, 2m/1m [66046]	1 * 	1		Fairnet					Std. Set		2013-04-03 15:46:02
<b>Cleaning Supplies</b>											
Cleaningset [72534]	1 *  / 5	7							Betzien		2013-04-03 15:46:02
wiper paper [66048]	9 * 	9		Betzien				blue/roll	Alternative zu Würth		2013-04-03 15:46:02
metal Dustpan + hand brush [75952]	5 * 	5		Betzien							2013-04-05 08:42:05
<b>Health &amp; Safety</b>											



Gartenschlauch 50m+30m mit Verbindung [77323]	1 * 	1	Würth			für Wasserverteilung Skill 3/6/7/DMG Sonderfläche	Würth	2013-06-13 13:51:09
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## WORKSHOP INSTALLATIONS









Anmerkung: Flaschen werden am Wettbewerb zerhäcksel!!!) -->













Description (EN)	Multiplier	TD Req. Qty	OC Supl. Qty	Manufacturer	Model	Size	Part no.	Specific details	Supplier	File(s)	Modified
<b>Hand and Power Tools and associated equipment</b>											
adjustable wrench 10" (250mm) [66105]	1 *	1		Hahn & Kolb					Alternative zu Würth		2013-04-03 15:46:15
air accessory kit air gun + tyre pressure gun+fittings) [66106]	1 * / 3	11		Hoffmann					Alternative zu Würth		2013-04-05 15:41:32
anti-fatigue mat (1 per machine) [66108]	14 *	14		Hoffmann					Alternative zu Würth		2013-04-03 15:46:15
wrench set Metric and Imperial [66111]	2 *	2		Hahn & Kolb					Alternative zu Würth		2013-04-03 15:46:15
Vice, 8" for table 66230 [66113]	1 * / 3	11		Anke/Ulmia					Alternative zu Würth		2013-04-03 15:46:15
tape for marking walkways and machinery per roll [66115]	1 *	1		fairnet					Alternative zu Würth		2013-04-03 15:46:15
<b>CNC Milling and Associated Equipment</b>											
T slots and bolts [76611]	1 * / 9	4		DMG / Mori Seiki							2013-04-03 15:46:15









DMG - CNC vertical Milling Machine, minimum 500x400x400, 10K spindle, 24 tools, worldwide available controller, coolant, CAD/CNC communication, english manuals at machine, Chip converter and chip box [66117]	1 *  / 9	4	DMG							2013-05-30 10:14:18
» Machine vice, mechanical, minimum specifications, 130 mm jaws, 200mm opening, to suit CNC machine [66118]	1 *  / 9	4	Röhmm							2013-06-10 10:50:11
» T slots and bolts for Machine Vice [66125]	1 *  / 9	4	DMG Mori Seiki					DMG Mori Seiki		2013-05-02 18:43:50
» Clamping kit: Minimum quantities: 1 off set to include bolts/studs & nuts, clamps and caddy (CNC milling) [66124]	1 *  / 9	4								2013-05-29 12:16:08
» coil air hose for air compressor + air gun [66129]	1 *  / 9	4	Hoffmann							2013-06-06 11:36:27
50mm Face Cutter and Arbor (1 x steel + 1x Aluminium) [66121]	2 *  / 9	8	DMG / Mori Seiki					DMG / MoriSeiki		2013-05-29 12:16:08
» Milling Inserts to suit CNC Face Mill (for use by Steel and Aluminium) [66119]	4 *  / 9	15	DMG / Mori Seiki					DMG Mori Seiki		2013-05-29 12:16:08






























Collet, 16 mm, ER32 [66138]	2 *  / 9	8	DMG/Moriseiki	16mm	81.320.16		Haimer	2013-05-29 12:16:08
Collet, 20mm ER32 [66139]	2 *  / 9	8	DMG/MoriSeiki	20mm	81.320.20		Haimer	2013-05-29 12:16:08
Pull Studs CNC [66141]	10 *  / 9	37	DMG/MoriSeiki		88.202.40	DIN 69872	Haimer	2013-05-29 12:16:08
» Pull Studs CNC (Spare) [73950]	5 * 	5	DMG/MoriSeiki		88.202.40	DIN 69872	Haimer	2013-05-29 12:16:08
<b>Milling and Associated Equipment</b>								
T slots and bolts [76612]	1 *  / 9	4	Hoffmann					2013-06-05 16:31:22
Conventional Milling Machine; Kunzmann WF 400 M, if other => MINIMUM specifications: vertical spindle, 2Kw motor, 3 axis digital readout, SK40, x travel 400, y travel 200, z travel 400, speed 2200 rpm, coolant, wrenches and tools supplied with machine [66145]	1 *  / 9	4						2013-05-29 12:16:08
» Clamping kit; Minimum quantities: 1 off set to include bolts/studs & nuts, clamps and caddy [66146]	1 *  / 9	4	Hoffmann				evt. Deckel Maho/DMG	2013-05-29 12:16:08
» Clamping kit; Minimum quantities: 1 off set to include bolts/studs & nuts, clamps and caddy (Spare) [73949]	1 * 	1						2013-05-02 18:43:51

ER32 Collet Chuck set (Manual Milling) [66147]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:08
» 4mm Collet [66148]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 6mm collet [66149]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 8mm collet [66150]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 10mm collet [66151]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 12mm collet [66152]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 14mm Collet [66157]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 16mm collet [66153]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
» 20mm collet [66154]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
R8 No 2 Morse Taper [66155]	1 *  / 9	4	Hoffmann					evt. Deckel Maho/DMG	2013-05-29 12:16:09
stub arbors [66156]	1 *  / 9	4	Hoffmann Nürnberg GmbH					evt. Deckel Maho/DMG	2013-05-29 12:16:09
<b>Manual Milling Machine Tools:</b>									
Drill Chuck, 1-13mm (Manual milling) [66161]	1 *  / 9	4	Hahn & Kolb					evt. Deckel Maho/DMG	2013-05-29 12:16:09










Machine vice; minimum specifications, 130mm jaws, 200 mm opening, mounting bolts or tee nuts to suit manual milling machine [66162]	1 *  / 9	4	Hahn & Kolb	Drehplatte Hoffmann	evt. Deckel Maho/DMG	2013-05- 29 12:16:09
ejecting drifts mt1 mt2 [66163]	1 *  / 9	4	Hoffmann		evt. Deckel Maho/DMG	2013-05- 29 12:16:09
ejecting drifts mt3 [66164]	1 *  / 9	4	Hoffmann		evt. Deckel Maho/DMG	2013-05- 29 12:16:09
Milling inserts to suit manual Milling Machine Face Mill [66165]	1 *  / 9	4	Hoffmann		evt. Deckel Maho/DMG	2013-05- 29 12:16:09
» Milling inserts to suit manual Milling Machine Face Mill (spare) [66166]	1 * 	1	Hoffmann			2013-05- 29 12:16:09
Face Mill, 50 mm to suit Manual Milling Machine [66167]	1 *  / 9	4				2013-05- 29 12:16:09
<b>Lathe and Associated Equipment:</b>						
Lathes WEILER Praktikant; if not => Minimum spezifikation200 mm swing, 1000mm between centres, spindle bore 42 mm, spindle speed min. 1500 rpm, Quickchange Toolpost Size B [66169]	1 *  / 9	4				2013-05- 29 12:16:09
Morse Taper Sleeve, MT1-MT5, MT2-MT5, MT3- MT5, MT4-5 [66170]	1 *  / 9	4	Hoffmann		evt. Deckel Maho	2013-05- 29 12:16:09

No5 MT Revolving Centre [66171]	1 *  / 9	4	Hoffmann						evt. Deckel Maho	2013-05-29 12:16:09
Drill Chuck, 1/2" (0.127mm) to suit lathe Tailstock [66172]	1 *  / 9	4	Hoffmann						evt. Deckel Maho	2013-05-29 12:16:09
Quick Change Toolpost B [66173]	4 *  / 9	15	Hoffmann						evt. Deckel Maho	2013-05-29 12:16:09
2-Axis Digital Readout System [66174]	1 *  / 9	4								2013-05-29 12:16:09
10" 3-Jaw Chuck, D1-6 [66175]	1 *  / 9	4								2013-05-29 12:16:09
Lo-Vo Lighting unit 50V 40W for manual lathe [66176]	1 *  / 9	4	Weiler						evt. Deckel Maho/Weiler (Auskunft Fineart)	2013-05-29 12:16:09
12" 4-Jaw Chuck, D1-6 [66177]	1 *  / 9	4	Hoffmann Group						evt. Deckel Maho/Weiler (Auskunft Fineart)	2013-05-29 12:16:09
Stationary Steady, Roller Fingers 10-150mm capacity [66178]	1 *  / 9	4								2013-05-29 12:16:09
Travelling Steady Roller Fingers 10-80mm capacity [66179]	1 *  / 9	4								2013-05-29 12:16:09
single bedstop [66180]	1 *  / 9	4							evt. Deckel Maho/Weiler (Auskunft Fineart)	2013-05-29 12:16:09
<b>Drill Press</b>										













Drill Press; pedestal type, capable of drilling 12mm dia mild steel, #morse taper spindle, 1 off #3 to #2 morse taper reduction sleeve, 1 off #3 to #1 morse taper reduction sleeve, multi-speed spindle ma [66201]	2 * 	2	Alpha	204.000	Tischbohrmaschine	Flott	2013-05-29 12:16:09
Drill Vice: 125mm jaws with 150mm opening, clamping bolts to suit machine table. [66202]	2 * 	2	Hoffmann		Wie 2011		2013-05-29 12:16:09
Drill Chuck and Arbor 1-13mm (to suit drill press) [66203]	2 * 	2	Hoffmann			RK International	2013-05-29 12:16:09
Assembly Kit to fix the Drill Press on the ground [66204]	2 * 	2			Wie 2011		2013-05-29 12:16:09
<b>Welding and Fabrication including Electrical</b>							
Welding Benches [66182]	1 *  / 12	3	Lincoln Electric				2013-05-29 12:16:09
Welding Bay [66183]	1 *  / 12	3	Lincoln Electric				2013-05-29 12:16:09
fume extractor (welding) and extension arm with integrated light [66188]	1 *  / 12	3	Lincoln Electric				2013-05-29 12:16:09
filtrair air filtration system (PCB- soldering) [66190]	1 *  / 3	11	Conrad			RS Components	2013-05-29 12:16:09












Grinder, stand alone, minimum specifications, 200x25mm aluminum oxide wheels, 1 mounted coarse grit, 1 mounted fine grit [66191]	2 * 	2	Hahn & Kolb	RK International	2013-05-29 12: 16: 09
wheel dresser [66192]	1 * 	1	Hahn & Kolb	RK International	2013-05-29 12: 16: 09
Sander, minimum specifications, mount on bench or stand alone, 50mm wide belt, 5 off replacement medium grit belts (K80), 5 off replacement fine grit belts (K120) [66193]	1 * 	1	Hahn & Kolb	RK International	2013-05-29 12: 16: 09
<b>MIG Welder</b>					
MIG Welder, 30 to 200 Amps, 0.6-0.9 ferrous fire, 0.8-1.0 aluminum wire, consumables to suit welding steel and aluminum, maintenance tools, gas regulator and gas cylinder (Argon 75%/CO2 25%) with cart. [66194]	1 *  / 12	3	Lincoln Electric	Lincoln Electric	2013-05-29 12: 16: 09
MIG welding gas, Corgan 18 M21 50L cylinder [74814]	4 * 	4	Linde Gas	Linde Gas	2013-05-29 12: 16: 09
2 different Aluminium welding wires [74656]	1 * 	1			2013-05-29 12: 16: 09
Supra-MIG wire (for steel) [74651]	1 * 	1			2013-05-29 12: 16: 09



Gas regulator [66218]	1 *  / 12	3	Lincoln Electric							2013-05-31 20:14:31
Rutile Electrodes for Manual Metal Arc Welding - 2.5mm dia [66221]	1 * 	1	Lincoln Electric							2013-05-31 20:14:31
Rutile Electrodes for Manual Metal Arc Welding - 3.2mm dia [66222]	1 * 	1	Lincoln Electric							2013-05-31 20:14:31
Rutile Electrodes for Manual Metal Arc Welding - 4.0mm dia [66223]	1 * 	1	Lincoln Electric							2013-05-31 20:14:31
Wire Brush [66224]	1 *  / 12	3	Betzien					Würth		2013-05-31 20:14:31
Chipping hammer [66225]	1 *  / 12	3	Hahn & Kolb					Würth		2013-05-31 20:14:31
Welding clamp [66227]	1 *  / 12	3	Hahn & Kolb					Würth		2013-05-31 20:14:31
<b>Saw</b>										
Vertical precision cut off saw, minimum specifications; capable of cutting stainless steel 100mm dia. and 80x50mm rectangle at 90 degrees, TPI --> 1 high count for aluminium + 2 spare, 1 low count for steel + 2 spare [66209]	2 * 	2	Morgan Rushworth							2013-05-31 20:14:31
<b>Measuring Equipment:</b>										
Outside Micrometers 0- 25mm (103-137) [66235]	1 * 	1	Mitutoyo					Mitutoyo		2013-05-31 20:14:31

















Outside Micrometers 25-50mm (103-138H) [66236]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Outside Micrometers 50-75mm (103-139-10H) [66237]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Outside Micrometers 75-100mm (103-140-10H) [66238]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Outside Micrometers 100-125mm (103-141-10H) [66239]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Outside Micrometers 125-150mm (103-142-10H) [66240]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
DTI lever type (Metric) [66241]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
DTI Lever type (Imperial) [66242]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Magnetic Base for DTI [66243]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
200mm Vernier / digital callipers [66244]	2 * 	2	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Holder Arm for dial test indicator [66245]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Dial Test Indicator Stem & Nut [66247]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31
Depth Micrometer 0-75mm [66248]	1 * 	1	Mitutoyo						Mitutoyo	2013-05-31 20:14:31













Telescopic gauges or inside micrometers to measure up to 100mm [66249]	1 * 	1	Mitutoyo					Mitutoyo		2013-05-31 20:14:31
88 piece set gauge blocks [66250]	1 * 	1	Mitutoyo					Mitutoyo		2013-05-31 20:14:31
Programmable 3D measuring machine [66251]	1 * 	1	Mitutoyo					Mitutoyo		2013-05-31 20:14:31
CMM Accessories [76319]	1 * 	1	Mitutoyo					Mitutoyo	» <a href="#">Mitutoyo CMM Accessories 03.pdf</a>	2013-05-31 20:14:31
Digital multimeter Fluke 179 - digital test equipment for current and voltage [66253]	4 * 	4	Fluke	179/EDA2				Fluke		2013-05-31 20:14:31
Marking table [74776]	1 * 	1	Hoffmann Group							2013-05-31 20:14:31
» high gage [75448]	2 * 	2	Hahn & Kolb							2013-05-31 20:14:31
» marking prism [75449]	2 * 	2	Hahn & Kolb							2013-05-31 20:14:31
<b>MATERIALS AND CONSUMABLES:</b>										
50mm x 100mm 6061 aluminum plate 100mm sawcut length [66257]	2 *  / 3	22	Almet						Noch nicht definiert _ Projekt	2013-05-31 20:14:31
» 50mm x 100mm 6061 aluminum plate 100mm sawcut length (Spare) [73951]	5 * 	5	Almet							2013-05-31 20:14:31
50mm x 100mm 6061 aluminum plate 150mm saw length [66258]	2 *  / 3	22	Almet						Noch nicht definiert _ Projekt	2013-05-31 20:14:31





IT - Software										
AVRStudio (Competitors) [73710]	1 *  / 3	11								2013-06-10 14:44:59
AVRStudio (Experts) [73711]	3 * 	3								2013-05-31 20:14:32
MPLab Tools (Competitors) [73712]	1 *  / 3	11								2013-05-31 20:14:32
MPLab Tools (Experts) [73713]	3 * 	3								2013-06-21 11:49:10
AutoCAD TBD (Competitors) [73714]	1 *  / 3	11								2013-06-05 14:43:15
AutoCAD TBD (Experts) [73715]	3 * 	3								2013-05-31 20:14:32
Siemens LOGO (Competitors) [75549]	2 *  / 3	22								2013-05-31 20:14:32
Inventor (Competitors) [75553]	2 *  / 3	22								2013-06-13 15:44:54
Inventor (Experts) [75554]	3 * 	3								2013-05-31 20:14:32
MS Office (Competitors) [75550]	2 *  / 3	22								2013-05-31 20:14:32
MS Office (Experts) [75555]	3 * 	3								2013-05-31 20:14:32
AutoCAD Electrical (Competitors) [75556]	2 *  / 3	22								2013-05-31 20:14:32
AutoCAD Electrical (Experts) [75557]	3 * 	3								2013-05-31 20:14:32
MasterCAM (Competitors) [75558]	2 *  / 3	22	MasterCam							2013-05-31 20:14:32



STK500 (spare) [75587]	2 * 	2								RS-online	2013-05-31 20:14:32
ATEMGA88 controller [75584]	3 *  / 3	33		RS Components						RS-online	2013-05-31 20:14:32
ATMEGA88 controller (spare) [75586]	5 * 	5		RS Components						RS-online	2013-05-31 20:14:32
IC socket [76057]	3 *  / 3	33		RS Components						RS-online	2013-05-31 20:14:32
USB-RS232, FT232RL, UC232R- 10 [75588]	1 *  / 3	11		RS Components						RS-online	2013-05-31 20:14:32
USB-RS232, FT232RL, UC232R- 10 (spare) [75589]	2 * 	2		RS Components						RS-online	2013-05-31 20:14:32
Mechanical guillotine, max. 3mm steel, 2m cutoff length [66187]	1 * 	1		Morgan Rushworth						New Morgan Rushworth	2013-05-31 20:14:32
Manual box and pan folder, 1m working length [66186]	1 * 	1		Morgan Rushworth						Hahn & Kolb	2013-05-31 20:14:32
Coolant (concentrate in litres) for manual lathes and manual and CNC millers [66266]	500 * 	500									2013-05-31 20:14:32
rubber mats for every machine (CNC, milling, lathe) [76058]	12 * 	12		Hoffmann							2013-05-31 20:14:32
Flux Remover ERLFFR400DB [77260]	5 * 	5		Betzien					<a href="http://de.rs-online.com/web/p/flussmittelentferner-reiniger/6060373/">http://de.rs-online.com/web/p/flussmittelentferner-reiniger/6060373/</a>		2013-05-31 20:14:32
<b>team-workplace</b>											
Arbeitsdrehhocker, Buche Multiplex [77322]	6 * 	6		Hoffmann							2013-06-06 18:06:33







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## MATERIALS / CONSUMABLES



No items under this category.



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## FAMILIARISATION MATERIALS

Description (EN)	Multiplier	TD Req. Qty	OC Supl. Qty	Manufacturer	Model	Size	Part no.	Specific details	Supplier	File(s)	Modified
50mm x 100mm 6061 aluminum plate, 1000mm length [75452]	1 *  / 3	11		Almet							2013-04-03 15:46:40
50mm diameter 1018 mild bright steel round, 1000mm length [75457]	1 *  / 3	11		Stahl Center Leipzig GmbH							2013-04-05 11:49:26

Version: 2013-04-04 08:11:06 GMT  
Print date: 2013-11-07 13:36:53 GMT

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 = Group of Competitors |  = Group of Experts





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2. July - 7. July 2013








## SAMPLES

Anmerkung: Flaschen werden am Wettbewerb zerhäckselt!!) -->

Description (EN)	Multiplier	TD Req. Qty	OC Supl. Qty	Manufacturer	Model	Size	Part no.	Specific details	Supplier	File(s)	Modified
Plastic bottles 0,5L (preferred Coca Cola) [72829]	5 *  / 3	55		Genedl Catering							2013-06-18 12:32:56
Cans 0,33ml [74798]	5 *  / 3	55		Genedl Catering							2013-06-18 12:33:04

Version: 2013-04-04 08:11:06 GMT  
Print date: 2013-11-07 13:36:54 GMT

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