

DUX-UNIVERSAL

Germany

| | |
|--------------------------|--|
| TYPE | Mechanical Engineering |
| HOLE DIAMETER | 3.3mm HOLE SPACING 15.0mm (0.59 ins.) |
| SETS IN SYSTEM | Total of 13. Basic IO1.IO2.IO3.IO4. Access.IO1a.IO2a.IO3a |
| DIFFERENT PARTS | About 90 + 27 in Also 3 Elec.Railway.Cons.Sets, with 3 Accessory Sets. Rly Theme sets Early sets were A,B,C,D & 1,2,3 |
| COLOUR | Strips red, Plates red, green, silver,white, blue, grey (early red/white and green silver) |
| FIXING METHOD | Originally blunt self-tapping screws and spire nuts plus some M3 nuts and bolts. Later all M3 nuts and bolts. Early gears & pulleys push fit on grooved Axles with a positive keyed drive. |
| MOTORS | I Electric and I Clockwork |
| PERIOD | Probably 1939 to late 1950s or early/mid 1960s |
| MANUFACTURER | Die Dux Fabrik, Markes & Co.KG.,LÜDENSHEID, Germany |
| COMMENTS | A colourful system with a considerable number of most unusual parts, the Grab-shovel is worthy of note as a complete unit. The plates are very thin gauge and some are of bright polished alloy. |
| OTHER SYSTEMS NEWSLETTER | 15/413, 17/477, 20/558, 26/778, 27/783, 29/858, 43/1299, 47/1441 |
| MATERIAL SUPPLIED BY | A.B.Ibanez , Jeannot Butuex, Clyde Suttle and Bruce Baxter |

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Band 6





DUX-Universal

| No. | Design | Designación | Désignation | Denominazione | Designação |
|--|---|---|--|---|---|
| 1001 1003 1004 1005 1007 | square plate 60 x 60 mm square frame 60 x 60 mm square plate with opening 60 x 60 mm rectangular plate 60 x 30 mm rectangular frame 60 x 30 mm | chapa cuadrada 60 x 60 mm marco cuadrado 60 x 60 mm chapa cuadrada, taladrada 60 x 60 mm chapa rectangular 60 x 30 mm cuadro rectangular 60 x 30 mm | plaque carrée 60 x 60 mm cadre carré 60 x 60 mm plaque carrée, percée 60 x 60 mm plaque rectangulaire 60 x 30 mm cadre rectangulaire 60 x 30 mm | piastra quadrangolare 60 x 60 mm telaio quadrangolare 60 x 60 mm piastra quadrangolare, strafolata 60 x 60 mm piastra rettangolare 60 x 30 mm telaio rettangolare 60 x 30 mm | chapa quadrada 60 x 60 mm moldura quadrada 60 x 60 mm chapa quadrada, furada, 60 x 60 mm chapa rectangular 60 x 30 mm moldura rectangular 60 x 30 mm |
| 1008 1010 1012 1013 1014 a | rectangular plate with opening 60 x 30 mm square plate, small 30 x 30 mm triangular plate 60 x 60 x 60 mm triangular plate with opening 60 x 60 x 60 mm beam 240 mm | chapa rectangular, taladrada 60 x 30 mm chapa cuadrada, pequeña 30 x 30 mm chapa triangular 60 x 60 x 60 mm chapa triangular, taladrada 60 x 60 x 60 mm railes de suspensión 240 mm | plaque rectangulaire, percée 60 x 30 mm plaque carrée, petite 30 x 30 mm plaque triangulaire 60 x 60 x 60 mm plaque triangulaire, percée 60 x 60 x 60 mm barre de support 240 mm | piastra rettangolare, strafolata 60 x 30 mm piastra quadrangolare, piccola 30 x 30 mm piastra triangolare 60 x 60 x 60 mm piastra triangolare, strafolata 60 x 60 x 60 mm traversa di sostegno 240 mm | chapa rectangular, furada, 60 x 30 mm pequena chapa quadrada 30 x 30 mm chapa triangular 60 x 60 x 60 mm chapa triangular, furada 60 x 60 x 60 mm porta-carril 240 mm |
| 1014 b 1015 1015 a 1016 1017 a | beam 180 mm beam 120 mm beam 90 mm beam 60 mm stay 180 mm | railes de suspensión 180 mm railes de suspensión 120 mm railes de suspensión 90 mm railes de suspensión 60 mm tirantes 180 mm | barre de support 180 mm barre de support 120 mm barre de support 90 mm barre de support 60 mm diagonale 180 mm | traversa di sostegno 180 mm traversa di sostegno 120 mm traversa di sostegno 90 mm traversa di sostegno 60 mm contrafforte 180 mm | porta-carril 180 mm porta-carril 120 mm porta-carril 90 mm porta-carril 60 mm escora 180 mm |
| 1017 b 1018 1019 1020 1021 | stay 120 mm stay 60 mm stay 40 mm connection angle iron T-iron | tirantes 120 mm tirantes 60 mm tirantes 40 mm ángulo-junta pieza en T | diagonale 120 mm diagonale 60 mm diagonale 40 mm angle de jonction pièce en T | contrafforte 120 mm contrafforte 60 mm contrafforte 40 mm angolo d'unione pezzo-T | escora 120 mm escora 60 mm escora 40 mm ángulo de ligacao peça-T |
| 1022 1023 1023 a 1024 1025 | bearing stand travelling wheel, 27 mm Ø for spline shaft travelling wheel, 27 mm Ø for spline shaft travelling wheel, 46 mm Ø for spline shaft disc with holes | caballete de soporte ruedas portadora 27 mm Ø para eje de muesca ruedas portadora 27 mm Ø ruedas portadora 46 mm Ø para eje de muesca rueda de disco agujereado | support de palier roue porteuse 27 mm Ø pour axe à rainures roue porteuse 27 mm Ø roue porteuse 46 mm Ø pour axe à rainures roue à disque troué | cavalletto ruota portante 27 mm Ø per asse a scanalatura ruota portante 27 mm Ø ruota portante 46 mm Ø per asse a scanalatura ruota perforata | cavallete ou peanha roldana, 27 mm Ø para eixo de ranhura roldana, 27 mm Ø roldana, 46 mm Ø para eixo de ranhura roda de chapa de ferro com parafuso |
| 1026 a 1027 a 1028 a 1030 1031 a | screw driver fish plate angle iron top spur wheel spur gear 15 teeth for spline shaft | destornillador cubrejunta ángulo o escuadra rueda entallada rueda dentada cilíndrica o recta, 15 dientes para eje de muesca | tourne-vis éclisse angle roue à couronne roue dentée droite 15 dents pour axe à rainures | cacciavite coprigiunto angolo ruota a corona ruota cilindrica a 15 denti ruota per asse a scanalatura | chave de parafuso encaixe ángulo roda de corõa com parafuso roda de frente, 15 dentes para eixo de ranhura |
| 1031 b 1032 a 1032 b | spur gear 22 teeth spur gear 38 teeth spur gear 45 teeth for spline shaft | rueda dentada cilíndrica o recta, 22 dientes rueda dentada cilíndrica o recta, 38 dientes rueda dentada cilíndrica o recta, 45 dientes para eje de muesca | roue dentée droite 22 dents roue dentée droite 38 dents roue dentée droite 45 dents | ruota cilindrica a 22 denti ruota cilindrica a 38 denti ruota cilindrica a 45 denti per asse a scanalatura | roda de frente, 22 dentes roda de frente, 38 dentes roda de frente, 45 dentes para eixo de ranhura |

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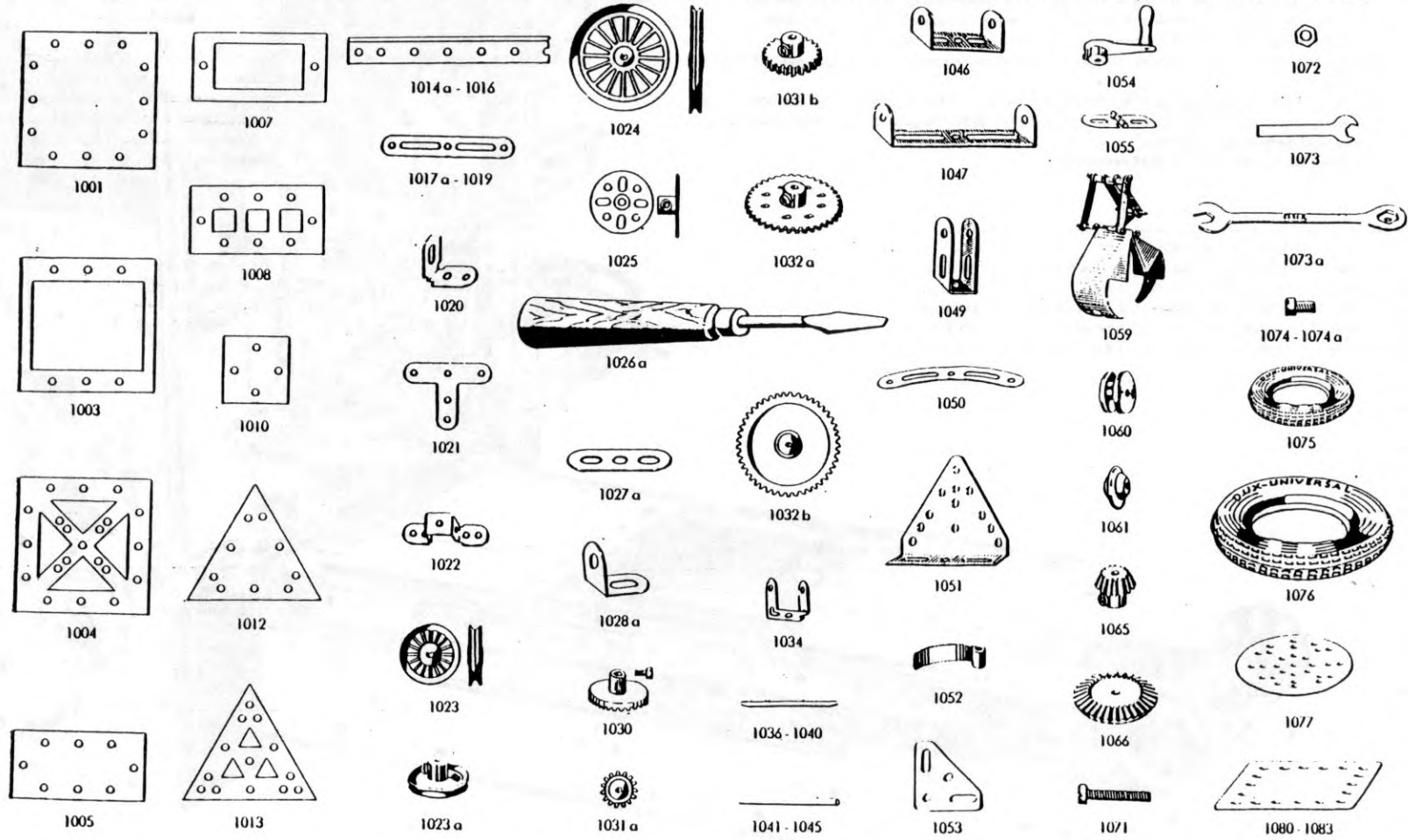


| No. | Design | Designación | Désignation | Denominazione | Designação |
|--|---|--|--|--|---|
| 1034 1036 1037 1038 1039 | channel iron spline shaft 45 mm spline shaft 85 mm spline shaft 145 mm spline shaft 65 mm | pieza en U eje de muesca 45 mm eje de muesca 85 mm eje de muesca 145 mm eje de muesca 65 mm | pièces en U axe à rainures 45 mm axe à rainures 85 mm axe à rainures 145 mm axe à rainures 65 mm | pezzi-U asse a scanalatura 45 mm asse a scanalatura 85 mm asse a scanalatura 145 mm asse a scanalatura 65 mm | peças-U eixo de ranhura 45 mm eixo de ranhura 85 mm eixo de ranhura 145 mm eixo de ranhura 65 mm |
| 1040 1041 1042 1043 1044 | spline shaft 105 mm smooth shaft 30 mm smooth shaft 70 mm smooth shaft 90 mm smooth shaft 110 mm | eje de muesca 105 mm árbol liso 30 mm árbol liso 70 mm árbol liso 90 mm árbol liso 110 mm | axe à rainures 105 mm arbre lisse 30 mm arbre lisse 70 mm arbre lisse 90 mm arbre lisse 110 mm | asse a scanalatura 105 mm albero liscio 30 mm albero liscio 70 mm albero liscio 90 mm albero liscio 110 mm | eixo de ranhura 105 mm rolo lizo 30 mm rolo lizo 70 mm rolo lizo 90 mm rolo lizo 110 mm |
| 1046 1047 1049 1050 1051 | small angle iron big angle iron double angle iron bow iron bearing plate | cantonera abrazadora pequeña cantonera abrazadora grande pieza en horquilla pieza arqueada placa base | petite ferrure angulaire grande ferrure angulaire pièce fourchée pièce d'arc plaque de palier | ferro ad angolo piccolo ferro ad angolo grande forchetta ferro curvo piastra | faxa pequena de ángulo faxa grande de ángulo peça forçada peça de arco chapa de leito |
| 1052 1053 1054 1055 1059 | plunger type pawl knot plate crank joint grip-shovel | trinquete de retención cubrejunta de unión cigüeñal charnelas abrazadera agarradora | cliquet d'arrêt tôle à noeud manivelle charnière griffe | nottolino d'arresto lamiera a nodo manovella cerniera grappa | ferrolho folha de nó manivela dobradiça apanhador |
| 1060 1061 1065 1066 1071 | sheave setting ring bevel gear 16 teeth bevel gear 32 teeth screw 23 mm | carrete bobina para cordón corredera rueda cónica 16 dientes rueda cónica 32 dientes tornillo 23 mm | rouleau à ficelle bague d'arrêt roue conique 16 dents roue conique 32 dents vis 23 mm | rotella per la corda anello di regolazione ruota dentata conica a 16 denti ruota dentata conica a 32 denti vite 23 mm | bobina de cordão anel para mudar a posição roda d'um cone, 16 dentes roda d'um cone, 32 dentes parafuso 23 mm |
| 1072 1073 1073 a 1074 1074 a | hexagonal nut wrench wrench with nut lead screw 5 mm screw 12 mm | tuerca exagonal llave para tuerca llave para tuerca con tope de varilla tornillo 5 mm tornillo 12 mm | écrou hexagonal clef à écrou clef à écrou avec guidage d'écrou vis 5 mm vis 12 mm | dado esagonale chiave chiave con guida a dado vite 5 mm vite 12 mm | porca hexágona chave de parafuso chave de parafuso com condução de porca parafuso 5 mm parafuso 12 mm |
| 1075 1076 1077 1080 1081 | DUX-motorcar tyre 47 mm Ø DUX-motorcar tyre 74 mm Ø turning plate cover plate 30 x 60 mm cover plate 60 x 60 mm | neumático DUX 47 mm Ø neumático DUX 74 mm Ø disco giratorio placa de revestimiento 30 x 60 mm placa de revestimiento 60 x 60 mm | bandages d'auto DUX 47 mm Ø bandages d'auto DUX 74 mm Ø plaque tournante plaque de revêtement 30 x 60 mm plaque de revêtement 60 x 60 mm | gomme d'auto-DUX 47 mm Ø gomme d'auto-DUX 74 mm Ø disco girevole piastra rivestita 30 x 60 mm piastra rivestita 60 x 60 mm | pneus para automóveis de DUX 47 mm Ø pneus para automóveis de DUX 74 mm Ø falca chapa de revestimento 30 x 60 mm chapa de revestimento 60 x 60 mm |
| 1082 1083 1105 1106 | cover plate 30 x 120 mm cover plate 60 x 120 mm book of patterns, contains patterns for UNI No. 101, 102 and 103 book of patterns, volume 6, contains patterns for UNI No. 104 | placa de revestimiento 30 x 120 mm placa de revestimiento 60 x 120 mm folleto ilustrado, contiene modelos para UNI 101, 102, 103 folleto ilustrado, tomo 6, contiene modelos para UNI 104 | plaque de revêtement 30 x 120 mm plaque de revêtement 60 x 120 mm livre de modèles, contient modèles pour UNI 101, 102 et 103 livre de modèles, tome 6, contient modèles pour UNI 104 | piastra rivestita 30 x 120 mm piastra rivestita 60 x 120 mm catalogo illustrato contiene Modelli per UNI 101, 102 e 103 catalogo illustrato Vol. 6 contiene Modelli per UNI 104 | chapa de revestimento 30 x 120 mm chapa de revestimento 60 x 120 mm livro dos modelos, contendo modelos para Uni 101, 102 e 103 livro dos modelos, tomo 6, contendo modelos para Uni 104 |

DUX-Universal



Building elements - Piezas de construcción - Parties de construction - Parti di metallo per la costruzione - Partes de construção



Werkzeugmaschinenbau

Die hochentwickelte Schwerindustrie verlangt Großwerkzeugmaschinen mit größter Leistung und günstigstem Wirkungsgrad.

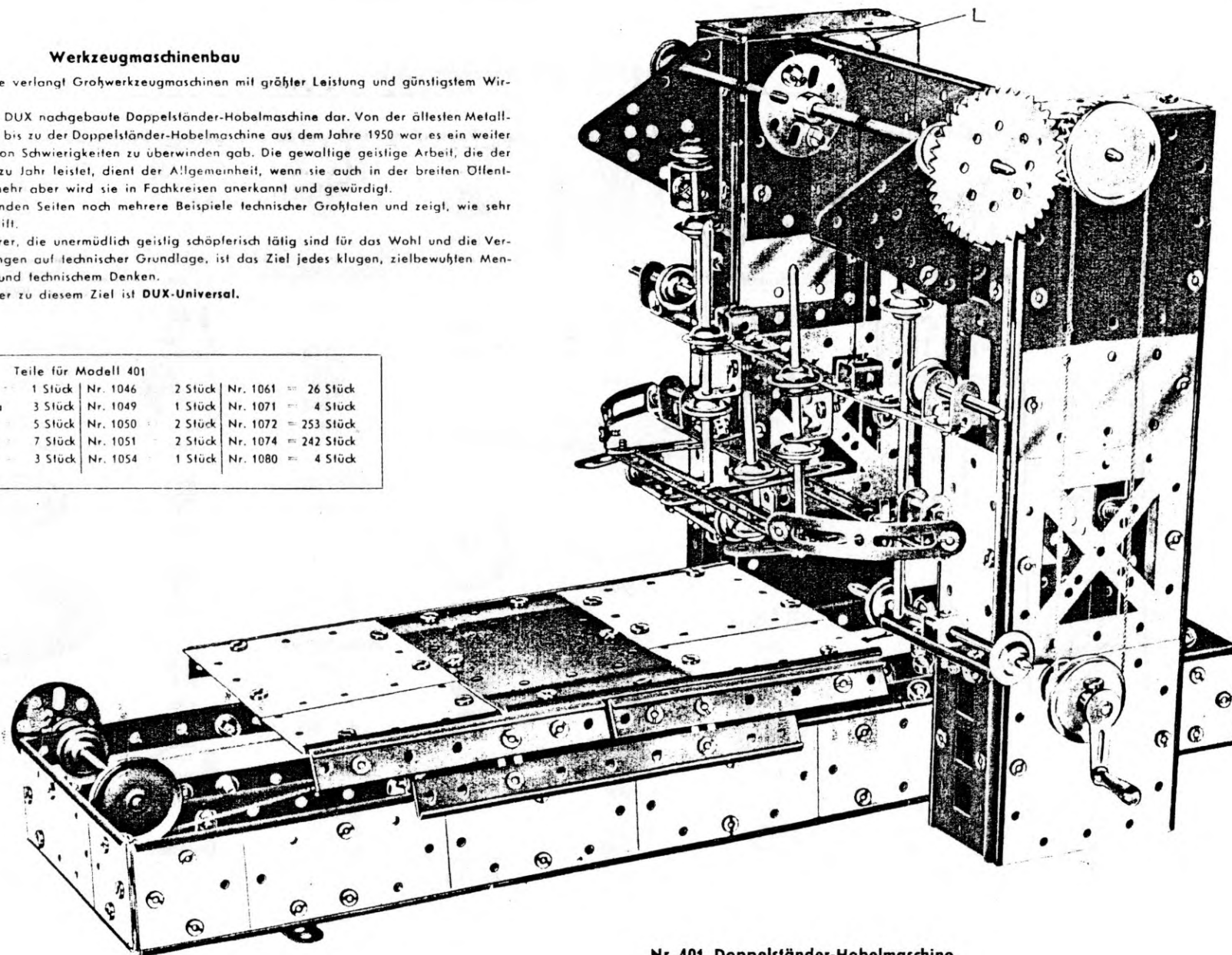
Eine solche Maschine stellt die aus DUX nachgebaute Doppelständer-Hobelmaschine dar. Von der ältesten Metall-hobelmaschine aus dem Jahre 1817 bis zu der Doppelständer-Hobelmaschine aus dem Jahre 1950 war es ein weiter Weg, auf dem es eine Unsumme von Schwierigkeiten zu überwinden gab. Die gewaltige geistige Arbeit, die der Werkzeugmaschinenbau von Jahr zu Jahr leistet, dient der Allgemeinheit, wenn sie auch in der breiten Öffentlichkeit nicht bekannt ist, um so mehr aber wird sie in Fachkreisen anerkannt und gewürdigt.

Dieses Buch enthält auf den folgenden Seiten noch mehrere Beispiele technischer Großtaten und zeigt, wie sehr die Technik in unser Leben eingreift.

Sich einzureihen in die Reihen derer, die unermüdlich geistig schöpferisch tätig sind für das Wohl und die Verbesserung unserer Lebensbedingungen auf technischer Grundlage, ist das Ziel jedes klugen, zielbewußten Menschen mit technischem Empfinden und technischem Denken.

Der Wegweiser und der Vorbereiter zu diesem Ziel ist **DUX-Universal**.

| Teile für Modell 401 | | | |
|----------------------|----------|-----------|-----------|
| Nr. 1001 | 15 Stück | Nr. 1041 | 1 Stück |
| Nr. 1004 | 4 Stück | Nr. 1041a | 3 Stück |
| Nr. 1005 | 18 Stück | Nr. 1042 | 5 Stück |
| Nr. 1008 | 8 Stück | Nr. 1043 | 7 Stück |
| Nr. 1010 | 6 Stück | Nr. 1044 | 3 Stück |
| Nr. 1014a | 6 Stück | Nr. 1046 | 2 Stück |
| Nr. 1014b | 12 Stück | Nr. 1049 | 1 Stück |
| Nr. 1015 | 16 Stück | Nr. 1050 | 2 Stück |
| Nr. 1015a | 8 Stück | Nr. 1051 | 2 Stück |
| Nr. 1016 | 4 Stück | Nr. 1054 | 1 Stück |
| Nr. 1017a | 2 Stück | Nr. 1061 | 26 Stück |
| Nr. 1017b | 6 Stück | Nr. 1071 | 4 Stück |
| Nr. 1018 | 7 Stück | Nr. 1072 | 253 Stück |
| Nr. 1019 | 1 Stück | Nr. 1074 | 242 Stück |
| Nr. 1020 | 5 Stück | Nr. 1080 | 4 Stück |
| Nr. 1021 | 4 Stück | | |
| Nr. 1022 | 4 Stück | | |
| Nr. 1023a | 8 Stück | | |
| Nr. 1025 | 4 Stück | | |
| Nr. 1027a | 6 Stück | | |
| Nr. 1028a | 76 Stück | | |
| Nr. 1031b | 1 Stück | | |
| Nr. 1032a | 1 Stück | | |
| Nr. 1034 | 8 Stück | | |



Nr. 401 Doppelständer-Hobelmaschine

Die Teilzeichnungen hierzu befinden sich auf Seite 4.



DUX-Universal

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| 1001 | | 2 | 4 | 6 | 4 | 10 | 6 | 16 |
| 1003 | | - | - | - | 2 | 2 | - | 2 |
| 1004 | | 2 | 2 | 4 | - | 4 | - | 4 |
| 1005 | | 6 | 2 | 8 | 6 | 14 | 4 | 18 |
| 1007 | | 1 | 1 | 2 | 1 | 3 | 1 | 4 |
| 1008 | | 2 | 2 | 4 | 2 | 6 | 2 | 8 |
| 1010 | | 2 | - | 2 | 4 | 6 | 2 | 8 |
| 1012 | | - | - | - | 2 | 2 | - | 2 |
| 1013 | | - | - | - | 2 | 2 | - | 2 |
| 1014 _a | | - | - | - | - | - | 8 | 8 |
| 1014 _b | " | - | 4 | 4 | 4 | 8 | 4 | 12 |
| 1015 | " | 4 | 4 | 8 | 4 | 12 | 8 | 20 |
| 1015 _a | " | - | - | - | - | - | 8 | 8 |
| 1016 | " | 4 | 2 | 6 | 2 | 8 | - | 8 |
| 1017 _a | | - | - | - | - | - | 2 | 2 |
| 1017 _b | " | 2 | - | 2 | - | 2 | 4 | 6 |
| 1018 | " | 4 | - | 4 | 4 | 8 | 8 | 16 |
| 1019 | " | 2 | - | 2 | 2 | 4 | 4 | 8 |
| 1020 | | 4 | 2 | 6 | 2 | 8 | - | 8 |
| 1021 | | 4 | 2 | 6 | 2 | 8 | - | 8 |
| 1022 | | 2 | - | 2 | - | 2 | 3 | 5 |
| 1023 | | 4 | - | 4 | - | 4 | - | 4 |
| 1023 _a | " | - | - | - | - | - | 4 | 4 |
| 1024 | " | - | 2 | 2 | 2 | 4 | - | 4 |
| 1025 | | 2 | 1 | 3 | 1 | 4 | 1 | 5 |

| No. | | Uni 101 | Uni 101 _a | Uni 102 | Uni 102 _a | Uni 103 | Uni 103 _a | Uni 104 |
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| 1026 _a | - | 1 | - | 1 | - | 1 | - | 1 |
| 1027 _a | | 4 | 2 | 6 | 4 | 10 | 10 | 20 |
| 1028 _a | | 30 | 12 | 42 | 28 | 70 | 20 | 90 |
| 1030 | | - | - | - | 1 | 1 | - | 1 |
| 1031 _a | | 1 | - | 1 | 1 | 2 | - | 2 |
| 1031 _b | " | - | - | - | - | - | 1 | 1 |
| 1032 _a | " | - | - | - | - | - | 1 | 1 |
| 1032 _b | " | 1 | - | 1 | - | 1 | - | 1 |
| 1034 | | 4 | - | 4 | 2 | 6 | 2 | 8 |
| 1036 | - | 2 | 1 | 3 | 1 | 4 | - | 4 |
| 1037 | " | 2 | 1 | 3 | 3 | 6 | - | 6 |
| 1038 | " | - | - | - | 3 | 3 | 1 | 4 |
| 1039 | " | 1 | 1 | 2 | 1 | 3 | - | 3 |
| 1040 | " | 1 | 1 | 2 | - | 2 | - | 2 |
| 1041 | | - | - | - | - | - | 2 | 2 |
| 1042 | " | - | - | - | - | - | 2 | 2 |
| 1043 | " | - | - | - | - | - | 2 | 2 |
| 1044 | " | - | - | - | - | - | 2 | 2 |
| 1046 | | - | - | - | - | - | 2 | 2 |
| 1047 | | - | - | - | - | - | 2 | 2 |
| 1049 | | - | - | - | - | - | 1 | 1 |
| 1050 | | - | - | - | - | - | 4 | 4 |
| 1051 | | - | - | - | - | - | 2 | 2 |
| 1052 | | - | - | - | - | - | 1 | 1 |
| 1053 | | - | - | - | - | - | 4 | 4 |

| No. | | Uni 101 | Uni 101 _a | Uni 102 | Uni 102 _a | Uni 103 | Uni 103 _a | Uni 104 |
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| 1054 | | - | - | - | - | - | 1 | 1 |
| 1055 | | - | - | - | - | - | 2 | 2 |
| 1059 | | - | - | - | - | - | 1 | 1 |
| 1060 | | - | - | - | - | - | 2 | 2 |
| 1061 | | 4 | 2 | 6 | 3 | 9 | 17 | 26 |
| 1065 | | - | - | - | - | - | 1 | 1 |
| 1066 | | - | - | - | - | - | 1 | 1 |
| 1071 | | 4 | 2 | 6 | - | 6 | 8 | 14 |
| 1072 | | 80 | 40 | 120 | 60 | 180 | 120 | 300 |
| 1073 | - | 2 | - | 2 | - | 2 | - | 2 |
| 1073 _a | - | - | - | - | - | - | 1 | 1 |
| 1074 | - | 75 | 35 | 110 | 70 | 180 | 90 | 270 |
| 1074 _a | - | 10 | - | 10 | 5 | 15 | 5 | 20 |
| 1075 | - | 4 | - | 4 | - | 4 | - | 4 |
| 1076 | - | - | 2 | 2 | 2 | 4 | - | 4 |
| 1077 | - | - | - | - | - | - | 1 | 1 |
| 1080 | - | - | - | - | - | - | 4 | 4 |
| 1081 | - | - | - | - | - | - | 4 | 4 |
| 1082 | - | - | - | - | - | - | 4 | 4 |
| 1083 | - | - | - | - | - | - | 4 | 4 |
| 1105 | - | 1 | - | 1 | - | 1 | - | 1 |
| 1106 | - | - | - | - | - | - | 1 | 1 |

