



Inventarnummer: 22165

Mehrspindeldrehautomat
TORNOS BS 20 B



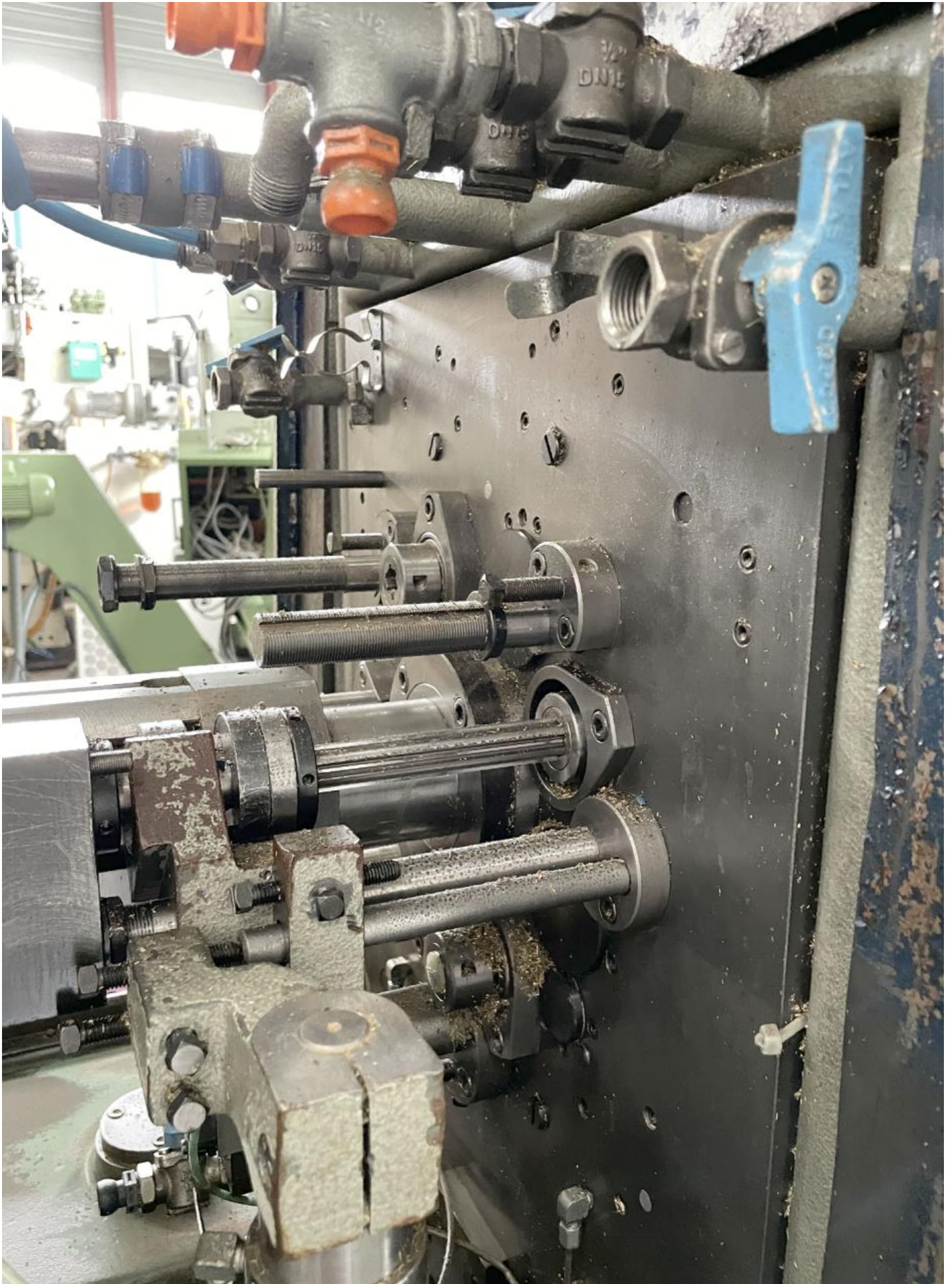
Technische Daten

| | |
|-----------------------------|------------|
| Anzahl Spindeln | 8 |
| Durchlass Rundmaterial | 22.0 mm |
| Durchlass Vierkantmaterial | 15.0 mm |
| Durchlass Sechskantmaterial | 19 mm |
| Grösster Stangenvorschub | 60 mm |
| Grösste Drehlänge | 60 mm |
| Spindeldrehzahlen: | |
| Anzahl (Stufen) | 20 |
| von | 625 U/min |
| bis | 6035 U/min |
| Anschluss 50 Hz 3x | 380 Volt |
| Leistung | 55.0 kW |
| Maschinengewicht ca. | 5100 kg |
| Abmessungen Maschine: | |
| Länge | 2465 mm |
| Breite | 1200 mm |
| Höhe | 1700 mm |
| Diverses Zubehör: | |
| Stangenlademagazin | IEMCA |
| Typ | SIR 25 |









TORNOS BECHLER MOUTIER-SUISSE

Tableau des vitesses Speed-chart Geschwindigkeits-Tabelle

Moteur des broches Spindel-Antriebsmotor Spindelmotor 1455 U/min R.P.M.

Moteur commande Adreßmotor Drive motor 1400 U/min R.P.M.

Position stabiliser Oberblech Steile Position lifting block

165' acceleration à 40 U/min 165' Beschleunigung bei 40 U/min 165' high speed by 40 R.P.M.

165' acceleration à 60 U/min 165' Beschleunigung bei 60 U/min 165' high speed by 60 R.P.M.

BS

| Spindelrev./min Spindel U/min Spindel R.P.M. | Moteur 1455 | | | | | | | | | | Moteur 1400 | | | | | | | | | |
|--|-------------|-----|-----|-----|------|------|------|------|------|------|-------------|------|------|------|------|------|------|------|------|------|
| | A | B | C | D | E | F | G | H | I | J | A | B | C | D | E | F | G | H | I | J |
| 620 | 700 | 790 | 885 | 995 | 1115 | 1250 | 1405 | 1580 | 1785 | 2015 | 2275 | 2675 | 3000 | 3385 | 3775 | 4235 | 4765 | 5350 | 6035 | |
| 490 | 555 | 625 | 700 | 790 | 885 | 990 | 1115 | 1255 | 1420 | 1610 | 1820 | 2055 | 2320 | 2610 | 2930 | 3280 | 3760 | 4260 | 4800 | 5350 |
| 410 | 465 | 525 | 590 | 660 | 740 | 830 | 935 | 1050 | 1180 | 1330 | 1490 | 1670 | 1870 | 2090 | 2330 | 2600 | 2900 | 3230 | 3600 | 4000 |
| 340 | 385 | 435 | 490 | 550 | 615 | 685 | 765 | 855 | 955 | 1070 | 1195 | 1340 | 1500 | 1675 | 1865 | 2080 | 2320 | 2600 | 2910 | 3250 |
| 285 | 320 | 360 | 405 | 455 | 510 | 570 | 635 | 705 | 785 | 875 | 970 | 1080 | 1200 | 1330 | 1475 | 1640 | 1830 | 2050 | 2300 | 2580 |
| 240 | 275 | 310 | 345 | 390 | 435 | 485 | 540 | 600 | 665 | 735 | 810 | 895 | 990 | 1095 | 1210 | 1340 | 1490 | 1660 | 1850 | 2070 |
| 200 | 230 | 260 | 295 | 330 | 370 | 415 | 470 | 530 | 595 | 665 | 740 | 820 | 910 | 1010 | 1120 | 1245 | 1390 | 1560 | 1750 | 1970 |
| 170 | 195 | 225 | 255 | 290 | 325 | 365 | 410 | 465 | 520 | 585 | 655 | 730 | 815 | 905 | 1000 | 1110 | 1235 | 1385 | 1555 | 1745 |
| 150 | 169 | 191 | 210 | 240 | 270 | 300 | 340 | 385 | 435 | 490 | 550 | 615 | 685 | 760 | 840 | 930 | 1030 | 1145 | 1275 | 1420 |
| 128 | 144 | 163 | 183 | 206 | 230 | 255 | 290 | 325 | 365 | 405 | 450 | 500 | 555 | 615 | 680 | 750 | 830 | 920 | 1020 | 1130 |
| 107 | 121 | 137 | 154 | 173 | 194 | 215 | 240 | 275 | 310 | 345 | 385 | 430 | 480 | 535 | 595 | 660 | 735 | 815 | 905 | 1000 |
| 90 | 103 | 118 | 134 | 154 | 174 | 194 | 220 | 255 | 295 | 335 | 380 | 425 | 475 | 530 | 585 | 650 | 725 | 805 | 895 | 990 |
| 74 | 84 | 95 | 108 | 123 | 140 | 158 | 180 | 205 | 235 | 265 | 300 | 340 | 385 | 435 | 485 | 540 | 600 | 670 | 750 | 840 |
| 60 | 68 | 77 | 88 | 99 | 109 | 123 | 141 | 160 | 180 | 200 | 220 | 245 | 275 | 310 | 345 | 385 | 430 | 480 | 535 | 595 |
| 50 | 56 | 63 | 71 | 80 | 89 | 100 | 113 | 127 | 143 | 159 | 175 | 195 | 215 | 240 | 270 | 300 | 340 | 385 | 435 | 490 |
| 41 | 47 | 53 | 60 | 67 | 75 | 84 | 94 | 106 | 120 | 135 | 150 | 168 | 185 | 205 | 225 | 250 | 280 | 320 | 365 | 415 |
| 35 | 39 | 45 | 50 | 56 | 63 | 71 | 80 | 90 | 102 | 113 | 125 | 140 | 155 | 170 | 185 | 205 | 230 | 260 | 295 | 340 |
| 29 | 33 | 38 | 44 | 48 | 53 | 60 | 67 | 76 | 86 | 97 | 108 | 123 | 138 | 153 | 168 | 185 | 205 | 230 | 260 | 295 |
| 24 | 28 | 32 | 36 | 40 | 45 | 51 | 57 | 64 | 73 | 83 | 93 | 105 | 117 | 130 | 144 | 160 | 178 | 200 | 225 | 255 |
| 20 | 23 | 26 | 30 | 34 | 38 | 43 | 48 | 55 | 62 | 70 | 79 | 89 | 100 | 112 | 125 | 140 | 158 | 178 | 200 | 225 |
| 16 | 18 | 21 | 24 | 27 | 30 | 34 | 38 | 43 | 49 | 55 | 62 | 70 | 78 | 88 | 98 | 110 | 124 | 140 | 158 | 178 |
| 13 | 15 | 17 | 19 | 22 | 25 | 28 | 32 | 36 | 41 | 46 | 52 | 59 | 66 | 75 | 84 | 95 | 108 | 124 | 140 | 158 |
| 11 | 12 | 14 | 16 | 18 | 20 | 23 | 26 | 29 | 33 | 37 | 42 | 48 | 54 | 62 | 70 | 79 | 90 | 103 | 119 | 136 |
| 9 | 10 | 11 | 13 | 15 | 17 | 19 | 22 | 25 | 28 | 32 | 36 | 41 | 46 | 53 | 60 | 68 | 78 | 90 | 104 | 120 |
| 8 | 9 | 10 | 12 | 14 | 16 | 18 | 21 | 24 | 27 | 30 | 34 | 39 | 44 | 51 | 58 | 66 | 76 | 88 | 101 | 117 |
| 7 | 8 | 9 | 11 | 13 | 15 | 17 | 20 | 23 | 26 | 29 | 33 | 37 | 42 | 49 | 56 | 64 | 74 | 86 | 99 | 114 |
| 6 | 7 | 8 | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 28 | 32 | 36 | 40 | 47 | 54 | 62 | 72 | 84 | 97 | 111 |
| 5 | 6 | 7 | 9 | 11 | 13 | 15 | 18 | 21 | 24 | 27 | 30 | 34 | 38 | 45 | 52 | 60 | 70 | 82 | 95 | 108 |
| 4 | 5 | 6 | 8 | 10 | 12 | 14 | 17 | 20 | 23 | 26 | 29 | 33 | 37 | 44 | 51 | 59 | 69 | 81 | 94 | 107 |
| 3 | 4 | 5 | 7 | 9 | 11 | 13 | 16 | 19 | 22 | 25 | 28 | 32 | 36 | 43 | 50 | 58 | 68 | 80 | 93 | 105 |
| 2 | 3 | 4 | 6 | 8 | 10 | 12 | 15 | 18 | 21 | 24 | 27 | 31 | 35 | 42 | 49 | 57 | 67 | 79 | 92 | 104 |
| 1 | 2 | 3 | 5 | 7 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 30 | 34 | 41 | 48 | 56 | 66 | 78 | 91 | 103 |

Tararage - Gewindeschneiden Threading

Spindelumdrehung pro Gewinde Spindle rev./in. per thread

Spindelrev./min Spindel U/min Spindel R.P.M.

Détarage - Rücklauf Threading-off

Spindelrev./min Spindel U/min Spindel R.P.M.

Perceur tournant - Schnellbohrspindel High speed drilling spindle

Spindelrev./min Spindel U/min Spindel R.P.M.

Vitesse de perceuse - Vitesse de la table à 3 Rotations/minute - Spindelgeschwindigkeit - Spindelgeschwindigkeit

Spindelrev./min Spindel U/min Spindel R.P.M.

P1 P3 R

P2 P3

General Safety Rules for BS 20

- Read carefully the instructions of manipulation before using the machine.
- Always comply with the instructions given on the drill plates.
- Always put on the safety glasses, you have to make sure that all safety devices are well in place and that they are working.
- Do not get too close to the moving parts.
- Before touching the workpieces or the table, please stop the machine.
- Take off any watch, bracelet, necklace before working on the table and protect long hair with a capnet.
- The operation and commissioning of the machine must be done by qualified personnel.
- For maintenance, oil, lubrication and repair, all power supply must be cut.
- It is strictly forbidden to suppress, to take off or to disable any safety devices.
- It is strictly forbidden to take off or to damage warning plates on the machine or on parts of the machine.

Ved stop i maskin eller magasin, SKAL de 9 første delene etter oppstart VRAKES.

STOPP

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