



Inventory number: 22165

Multi-spindle turning lathe
TORNOS BS 20 B



Technical data

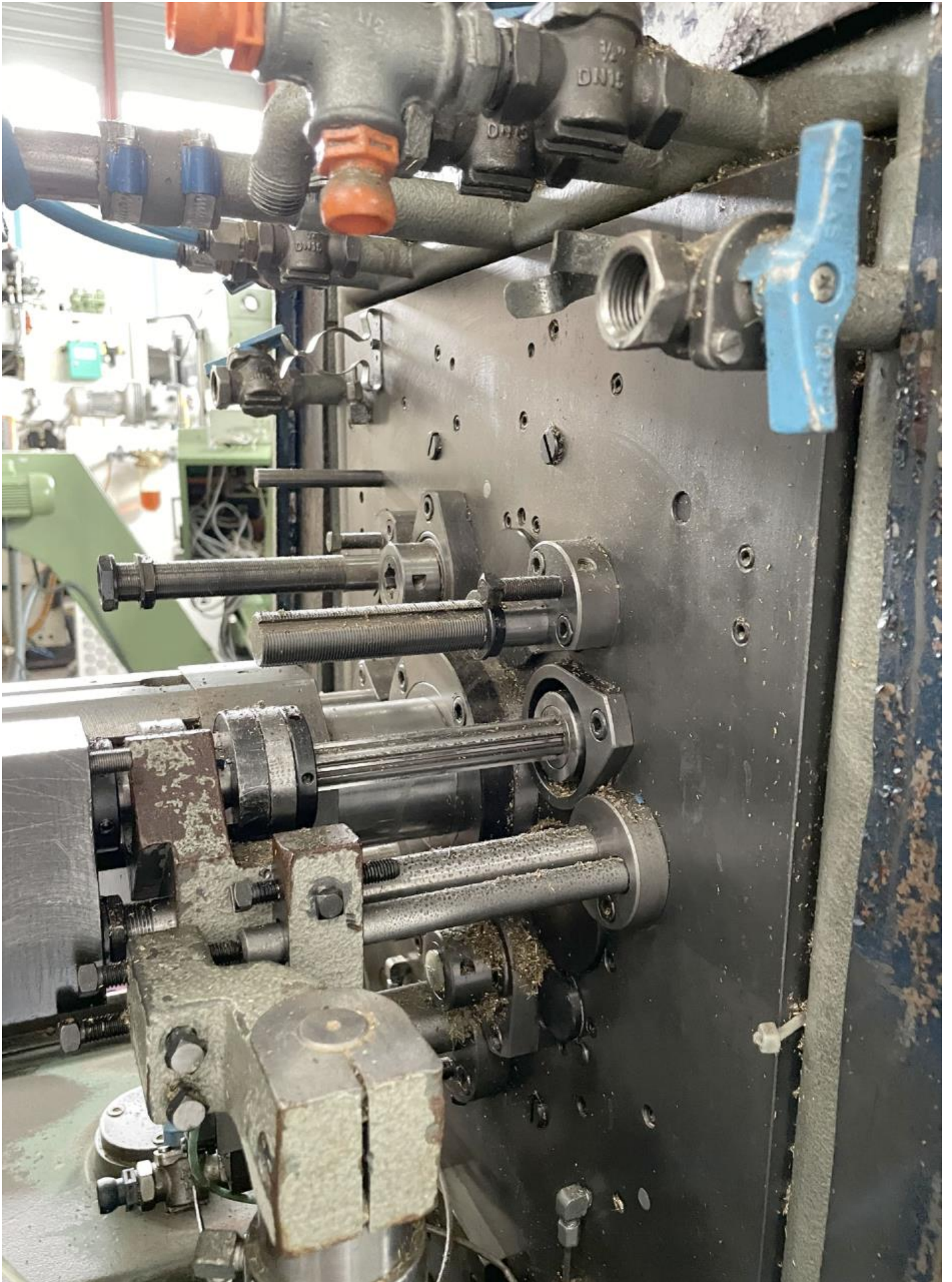
Number of spindles	8
Capacity round bar	22.0 mm
Capacity square bar	15.0 mm
Capacity hexagon bar	19 mm
Max. advance of bar	60 mm
Max. turning length	60 mm
Spindle speeds:	
number (steps)	20
from	625 rpm
up to	6035 rpm
Voltage 50 Hz 3x	380 Volt
Power	55.0 kW
Machine's weight about	5100 kg
Overall dimensions machine:	
Length	2465 mm
Width	1200 mm
Height	1700 mm
Various accessories:	
Bar loader number of bars	IEMCA
Type	SIR 25







Spindel max. per minute 0,05 mm
Min. Druck auf dem Anschlag 0,05 mm
Abstand des Spindel zur Werkstück



TORNOS BECHLER MOUTIER-SUISSE

Tableau des vitesses Speed-chart Geschwindigkeits-Tabelle

Moteur des broches Spindel-Antriebsmotor Spindels driving motor 1455 T/min U/min R.P.M.

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

Position spindel Oberblock 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

Spindel U/min	Moteur 1455										Moteur 1400																										
	620	700	790	885	995	1115	1250	1405	1580	1785	2105	2475	2975	3600	4365	5280	6360	620	700	790	885	995	1115	1250	1405	1580	1785	2105	2475	2975	3600	4365	5280	6360			
490	555	625	700	790	885	990	1115	1255	1420	1620	1890	2125	2480	2970	3600	4370	5290	6370	770	870	980	1100	1240	1410	1600	1810	2050	2320	2720	3250	3920	4730	5680	6780			
410	465	525	590	660	740	830	935	1055	1190	1340	1510	1700	1910	2240	2710	3230	3910	4740	570	660	760	870	990	1130	1290	1470	1680	1920	2200	2610	3150	3830	4650	5600			
340	385	430	480	540	600	670	750	840	945	1065	1200	1360	1540	1740	1970	2230	2720	3260	390	450	510	580	660	750	850	960	1080	1220	1390	1590	1820	2070	2450	2950			
285	320	360	405	455	510	570	640	720	810	910	1020	1140	1280	1440	1620	1820	2040	2300	285	330	380	435	495	565	645	735	835	945	1070	1210	1370	1560	1770	2000			
240	275	310	345	390	435	485	545	615	695	790	895	1005	1120	1250	1400	1570	1760	1970	240	280	325	375	430	490	560	640	730	830	940	1070	1210	1370	1560	1770			
200	230	265	295	330	370	415	470	535	610	700	795	895	1005	1120	1250	1400	1570	1760	200	235	270	310	355	405	465	530	610	700	800	910	1040	1180	1340	1520			
172	200	225	255	285	320	360	405	460	530	615	705	795	895	1005	1120	1250	1400	1570	172	205	240	280	325	375	430	490	560	640	730	830	940	1070	1210	1370			
150	169	191	210	240	270	300	340	385	435	500	575	660	750	840	940	1050	1170	1300	150	175	200	225	255	290	330	375	425	480	540	600	670	740	810	880			
128	144	163	183	206	230	255	290	325	365	420	490	570	655	745	840	945	1060	1190	128	150	170	190	215	245	280	320	360	410	460	510	570	630	690	750			
107	121	137	154	173	194	215	240	270	310	360	415	475	540	615	695	785	880	985	107	125	145	165	185	210	240	275	315	355	400	445	495	550	600	650			
90	103	118	134	154	174	194	220	250	290	335	385	440	500	565	635	710	790	875	90	105	120	135	150	170	190	215	240	270	300	330	360	390	420	450			
74	84	95	108	123	139	155	175	195	220	250	285	325	370	420	470	525	585	650	74	85	97	110	125	140	155	175	195	220	250	280	310	340	370	400	430		
60	68	77	88	99	109	120	137	154	174	194	220	250	285	325	370	420	470	525	60	69	79	90	102	115	129	144	160	175	190	205	220	235	250	265	280		
50	56	63	71	80	89	100	113	127	143	159	179	199	221	245	270	300	330	360	50	57	65	74	84	95	107	120	134	148	160	170	180	190	200	210	220		
41	47	53	60	67	75	84	94	106	120	134	150	166	180	200	220	240	260	280	41	47	53	60	67	75	84	94	106	120	134	150	166	180	190	200	210		
35	39	45	50	56	63	71	80	90	102	113	125	137	151	165	180	195	210	225	35	39	45	50	56	63	71	80	90	102	113	125	137	151	165	180	190		
29	33	38	44	48	53	60	67	76	86	97	109	121	134	148	162	178	192	207	29	33	38	44	48	53	60	67	76	86	97	109	121	134	148	162	178		
24	28	32	36	40	45	51	57	64	73	83	93	103	113	124	135	146	157	168	24	28	32	36	40	45	51	57	64	73	83	93	103	113	124	135	146		
20	23	26	29	32	35	39	43	47	52	58	64	71	78	85	92	99	106	113	20	23	26	29	32	35	39	43	47	52	58	64	71	78	85	92	99		
16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48		
13	15	16	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	13	15	16	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Tararage - Gewindeschneiden Threading

Spindelrevolutions pro Gewinde Spindle revs. per thread

Détarage - Rücklauf Threading-off

Spindelrevolutions pro Gewinde Spindle revs. per thread

Perceur tournant - Schnellbohrspindel High speed drilling spindle

Spindelrevolutions pro Gewinde Spindle revs. per thread

Wahl der perçage - Vitesse de la jante à 3 Wahlgeschwindigkeit - Drehgeschwindigkeit

Spindelrevolutions pro Gewinde Spindle revs. per thread

Perçage - Drehgeschwindigkeit

Spindelrevolutions pro Gewinde Spindle revs. per thread

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 glasses are well in place and fast.
- Do not get too close to the moving parts.
- Before touching the workpieces or the tools, please stop the machine.
- Take off any watch, bracelet, necklace before working on the lathe and protect long hair with a capnet.
- The operation and commissioning of the machine must be done by specialist.
- For maintenance, oil maintenance and repair, all power supply has to 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

0 1

