

## TELESCOPIC SPINDLES AND SPARE PARTS



### TECHNICAL DATA – EXTENDABLE TELESCOPIC SPINDLES WITH TRIPLE BALL GUIDE AND SPARE PARTS

#### Without square inserts and quick-change chuck

Order no.	Description
00721600	Telescopic spindle, series TS 72, size 1 External taper B 16 for accepting various chucks
00722020	Telescopic spindle, series TS 72, size 2, MK 2
00722030	Telescopic spindle, series TS 72, size 2, MK 3
00723030	Telescopic spindle, series TS 72, size 3, MK 3
00723040	Telescopic spindle, series TS 72, size 3, MK 4
00724040	Telescopic spindle, series TS 72, size 4, MK 4
00724050	Telescopic spindle, series TS 72, size 4, MK 5
00724025	Telescopic spindle, series TS 72, size 4, 0.984 inch inner square
00722520	Safety telescopic spindle, series TSS 72, size 2, MK 2
00722530	Safety telescopic spindle, series TSS 72, size 2, MK 3
00703040	Telescopic spindle, series T 70, size 3, MK 4

#### Spare parts and accessories

Order no.	Description
04722008	Square insert for telescopic spindle size 2, 0.315 inch inner square
04722009	Square insert for telescopic spindle size 2, 0.354 inch inner square
04722010	Square insert for telescopic spindle size 2, 0.394 inch inner square
04722012	Square insert for telescopic spindle size 2, 0.472 inch inner square
04722014	Square insert for telescopic spindle size 2, 0.551 inch inner square
04722038	Square insert for telescopic spindle size 2, 3/8" inch inner square
04722013	Square insert for telescopic spindle size 2, 0.551 inch inner square

### Square inserts for telescopic spindles, sizes 3 and 4

Order no.	Description
04723009	Square insert for telescopic spindle sizes 3 + 4, 0.354 inch inner square
04723012	Square insert for telescopic spindle sizes 3 + 4, 0.472 inch inner square
04723014	Square insert for telescopic spindle sizes 3 + 4, 0.551 inch inner square
04723016	Square insert for telescopic spindle sizes 3 + 4, 0.63 inch inner square
04723018	Square insert for telescopic spindle sizes 3 + 4, 0.709 inch inner square
04723020	Square insert for telescopic spindle sizes 3 + 4, 0.787 inch inner square
04723022	Square insert for telescopic spindle sizes 3 + 4, 0.866 inch inner square
04723038	Square insert for telescopic spindle size 3 + 4, 3/8" inch inner square
04723013	Square insert for telescopic spindle size 3 + 4, 1/2" inch inner square
04723019	Square insert for telescopic spindle size 3 + 4, 3/4" inch inner square

### Simple telescopic spindles

Order no.	Description
017209090	Drive square 0.354 inch – drive square 0.354 inch
017212120	Drive square 0.472 inch – drive square 0.472 inch
017214140	Drive square 0.551 inch – drive square 0.551 inch
017216160	Drive square 0.63 inch – drive square 0.63 inch
017218180	Drive square 0.709 inch – drive square 0.709 inch
017222220	Drive square 0.866 inch – drive square 0.866 inch
017225250	Drive square 0.984 inch – drive square 0.984 inch
017202090	Drive MK 2 – drive square 0.354 inch
017202120	Drive MK 2 – drive square 0.472 inch
017202140	Drive MK 2 – drive square 0.551 inch
017203090	Drive MK 3 – drive square 0.354 inch
017203120	Drive MK 3 – drive square 0.472 inch
017203140	Drive MK 3 – drive square 0.551 inch
017203160	Drive MK 3 – drive square 0.63 inch
017203180	Drive MK 3 – drive square 0.709 inch
017204160	Drive MK 4 – drive square 0.63 inch
017204180	Drive MK 4 – drive square 0.709 inch
017204220	Drive MK 4 – drive square 0.866 inch
017204250	Drive MK 4 – drive square 0.984 inch
017205290	Drive MK 5 – drive square 1.142 inch
017205320	Drive MK 5 – drive square 1.26 inch

### Square chuck

Order no.	Description
017202090	External Morse taper no. 2 - inner square 0.354 inch
017202095	External Morse taper no. 2 - inner square 0.374 inch (3,8")
017202120	External Morse taper no. 2 - inner square 0.472 inch
017202127	External Morse taper no. 2 - inner square 0.5 inch (1/2")
017202140	External Morse taper no. 2 - inner square 0.551 inch
017203090	External Morse taper no. 3 - inner square 0.354 inch
017203095	External Morse taper no. 3 - inner square 0.374 inch (3/8")
017203120	External Morse taper no. 3 - inner square 0.472 inch
017203127	External Morse taper no. 3 - inner square 0.5 inch (1/2")
017203140	External Morse taper no. 3 - inner square 0.551 inch
017203160	External Morse taper no. 3 - inner square 0.63 inch (5/8")
017203180	External Morse taper no. 3 - inner square 0.709 inch
017203191	External Morse taper no. 3 - inner square 0.748 inch (3/4")
017204160	External Morse taper no. 4 - inner square 0.63 inch (5/8")
017204180	External Morse taper no. 4 - inner square 0.709 inch
017204191	External Morse taper no. 4 - inner square 0.748 inch (3/4")
017204220	External Morse taper no. 4 - inner square 0.866 inch (7/8")
017204250	External Morse taper no. 4 - inner square 0.984 inch
017204254	External Morse taper no. 4 - inner square 1 inch (1")
017205254	External Morse taper no. 5 - inner square 1 inch (1")
017205290	External Morse taper no. 5 - inner square 1.142 inch (1 1/8")
017205320	External Morse taper no. 5 - inner square 1.26 inch (1 1/4")
017205380	External Morse taper no. 5 - inner square 1.496 inch (1 1/2")

### Drive tools

Order no.	Description
017212090	External square 0.472 inch - inner square 0.354 inch
017209120	External square 0.354 inch - inner square 0.472 inch
017214120	External square 0.551 inch - inner square 0.472 inch
017216140	External square 0.63 inch - inner square 0.551 inch
017218140	External square 0.709 inch - inner square 0.551 inch
017218160	External square 0.709 inch - inner square 0.63 inch
017222180	External square 0.866 inch - inner square 0.709 inch
017225220	External square 0.984 inch - inner square 0.866 inch
017229250	External square 1.142 inch - inner square 0.984 inch
017232290	External square 1.26 inch - inner square 1.142 inch

### Square chuck with exchangeable square inserts

Order no.	Description
017202000	External Morse taper no. 2, exchangeable square inserts, 0.354, 0.472 and 0.551 inch inner square
017202111	External Morse taper no. 2, exchangeable square inserts, 0.374 (3/8") and 0.5 inch (1/2") inner square
017203000	External Morse taper no. 3, exchangeable square inserts, 0.472, 0.551, 0.63 and 0.709 inch inner square
017203111	External Morse taper no. 3, exchangeable square inserts, 0.5 inch (1/2"), 0.63 inch (5/8") and 0.748 inch (3/4")
017204000	External Morse taper no. 4, exchangeable square inserts, 0.551, 0.63, 0.709 and 0.866 inch inner square
017204111	External Morse taper no. 4, exchangeable square inserts, 0.63 inch (5/8"), 0.748 inch (3/4") and 0.866 inch (7/8")

### Extendable telescopic spindles with triple ball guide and spare parts

Description	Part no.
Ball guide bush with MK shaft, complete	1
Shaft tube	2
Protective tube	3
Grub screw	5
Grub screw	6
Bolt	7
Heavy-duty dowel pin	8
Thrust bearing	9
Washer	10
Nut	11
Grub screw	12
Shaft joint	13
Heavy-duty dowel pins	14
Receptacle	15
Square insert	16
Wedge	17
Cap nut	18
Grub screw	19
Grub screw	20
Cable tie / bellows	21 / 22
Cap nut	23
Round circlip	24
Heavy-duty dowel pin	25
Bush	26
Bush	28
Collar bush	29
Bush	30
Thrust bearing	4
Counter washer	27