

22503 - 22505

Reduction Sleeves DIN 2185

Application

For the adjustment to different morse taper shanks on the machines and tools.

22503

Type

Standard type, drive tang hardened, External taper ground.

22505

Type

Precision version, completely hardened, internal and external tapers ground.

22503



22505



2

MT external	MT internal	22503	...	22505	...
1	0			101	
2	1		102	102	
3	2		103	103	
3	1		104	104	
4	3		105	105	
4	2		106	106	

MT external	MT internal	22503	...	22505	...
4	1	107		107	
5	4	108		108	
5	3	109		109	
5	2	110		110	
5	1			111	

22525

Extension Taper Sockets DIN 2187

Application

For the extension of tools and adjustment to different morse taper shanks on the machines and tools.

22525

Type

Standard type, drive tang hardened, External taper ground.

22525



MT external	MT internal	Cylinder 22525	Ø mm no. 22526	Length mm	22525	...
1	1	20	20	145	101	
2	1	20	20	160	102	
3	1	20	20	175	103	
1	2	25	30	160	106	
2	2	25	30	175	107	
3	2	25	30	194	108	
4	2	30	30	215	109	
2	3	36	36	196	111	

MT external	MT internal	Cylinder 22525	Ø mm no. 22526	Length mm	22525	...
3	3	36	36	215	112	
4	3	36	36	240	113	
5	3	36	36	268	114	
3	4	47	48	240	115	
4	4	47	48	265	116	
5	4	47	48	300	117	
4	5	63	63	300	119	
5	5	63	63	335	120	

22530

Drill and Reamer Extensions

Type

With morse taper shank and drive tang in compliance with **DIN 228 B**, drive tang hardened, external taper ground.

22530



MT:MT	Cylinder Ø mm	Length mm	Extension mm	22530	...
1:1	20	200	138,0	101	
1:1	20	250	188,0	102	
1:1	20	300	238,0	103	
1:1	20	350	288,0	104	
2:2	25	200	125,0	110	
2:2	25	250	175,0	111	
2:2	25	300	225,0	112	
2:2	25	350	275,0	113	
2:2	25	400	325,0	114	
2:2	25	500	425,0	115	

MT:MT	Cylinder Ø mm	Length mm	Extension mm	22530	...
3:3	32	250	156,0	121	
3:3	32	300	206,0	122	
3:3	32	350	256,0	123	
3:3	32	400	306,0	124	
3:3	32	500	406,0	125	
4:4	40	300	182,5	132	
4:4	40	350	232,5	133	
4:4	40	400	282,5	134	
4:4	40	500	382,5	135	

• Adapter sleeves • Spindle Sleeves • Ejector drift • Extension pieces • Tap wrenches

22711

Split Taper Sleeves DIN 6328

Type

With morse taper shank and drive tang in compliance with **DIN 228 B**, fully hardened, ground inside and outside.

Application

For mounting taps with square-end drive. For use in e.g. quick-change chucks, multi-spindle units with spindles close together.



22711

MT / Ø mm	Shank Ø mm	Square mm	22711 ...
1/2,8	2,8	2,1	103
1/3,5	3,5	2,7	105
1/4,0	4,0	3,0	106
1/4,5	4,5	3,4	107
1/5,0	5,0	3,8	108
1/5,5	5,5	4,3	109
1/6,0	6,0	4,9	110
1/7,0	7,0	5,5	111
1/8,0	8,0	6,2	112
2/5,5	5,5	4,3	113

MT / Ø mm	Shank Ø mm	Square mm	22711 ...
2/6,0	6,0	4,9	114
2/7,0	7,0	5,5	115
2/8,0	8,0	6,2	116
2/9,0	9,0	7,0	117
2/10,0	10,0	8,0	118
2/11,0	11,0	9,0	119
2/12,0	12,0	9,0	120
3/9,0	9,0	7,0	121
3/10,0	10,0	8,0	122
3/11,0	11,0	9,0	123

MT / Ø mm	Shank Ø mm	Square mm	22711 ...
3/12,0	12,0	9,0	124
3/14,0	14,0	11,0	126
3/16,0	16,0	12,0	127
4/14,0	14,0	11,0	129
4/16,0	16,0	12,0	130
4/18,0	18,0	14,5	131
4/20,0	20,0	16,0	132
4/22,0	22,0	18,0	133

22720

Spindle Sleeves

Type

Open, fully hardened, outside and inside ground.

Application

For turning machines. For clamping tools with morse taper shank.



22720

MT external	MT internal	Length mm	22720 ...
3	2	70	101
3	1	70	102
4	3	70	103
4	2	70	104

MT external	MT internal	Length mm	22720 ...
5	4	77	105
5	3	77	106
6	5	110	108
6	4	110	109

22901 - 22903

Ejector Drifts / Mechanical Ejector Drifts

Application

For loosening of tools with morse taper shank and drive tangs in compliance with **DIN 228 B**.

22903 201

Type

With finger guard.



22901

22901

Type

DIN 317.

For use with hammering tool.



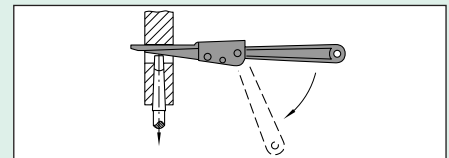
22903



22903

Type

For use without hammering tool. One-hand operation, a simple thrust on a lever moves two wedges in opposite directions (the other hand remains free to hold the tool). Handle plastic-coated, red.



for MT	22901 ...
0	101
1 + 2	102
3	103
4	104
5 + 6	105

for MT	22903 ...
1 - 3	201
4 - 6	202