

SPH

Tool group A05
Type 273 **Open**,
for lathes completely hardened,
ground internal and external



Item no.	External taper MT	External taper metric D	Internal taper MT	L	Weight
220101 ¹⁾	-	40	3	70	420
220102 ¹⁾	-	40	4	70	250
042554 ¹⁾	-	50	3	86	940
032031 ¹⁾	-	50	4	86	740
058264 ¹⁾	-	50	5	86	260
042644 ¹⁾	-	60	4	100	1480
220103 ¹⁾	-	60	5	100	950
098667 ¹⁾	-	70	4	110	2480
077140 ¹⁾	-	70	5	110	1850
220104 ¹⁾	-	80	4	110	3450
042551 ¹⁾	-	80	5	110	2850
042552 ¹⁾	-	80	6	110	1560
058313 ¹⁾	-	90	5	120	4300
058314 ¹⁾	-	90	6	120	2110
031931	2	-	1	60	50
031932	3	-	1	70	160
031933	3	-	2	70	100
031935	4	-	2	70	270
031936	4	-	3	70	170
031938	5	-	2	77	700
031939	5	-	3	77	650
031940	5	-	4	77	460
031942	6	-	3	110	2160
031943	6	-	4	110	1900
031944	6	-	5	110	1350

¹⁾ taper ratio 1:20

Collets

Type 8210-E, DIN 6328

for mounting screw taps with cylindrical shank and DIN square

Tool group 16
Type 8210-E, DIN 6328



External taper DIN 228 MK	0		1		2		3		4			
	2,5	2,8	2,5	2,8	3,15	4,5	5,0	5,5	8,0	9,0	12,0	12,5
Bore diameter A	3,15	3,5	3,5	3,55	4,0	5,6	6,0	6,3	9,5	10,0	14,0	16,0
Standard-model	3,55	4,0	4,5	5,0	5,5	7,0	7,0	8,0	11,0	11,2	18,0	20,0
	4,5		5,6	6,0	6,3	9,0	9,5	10,0	12,0	12,5	22,0	22,4
			7,0	7,1	8,0	11,0	11,2	12,0	14,0	16,0	25,0	

Collets be available in intermediate dimensions, short drill 1-2,9 and intermediate dimensions and short drill 1-2,9.
Please contact us.

Typ 8211-E, DIN 6329

for mounting twist drills and other tools with cylindrical shank and driver

Tool group 16
Type 8211-E, DIN 6329



Bore diameter A	1,5-5,5	3,0-8,0	5,0-13,0	8,0-18,0	12,0-20,0
Standard-model		rising by 0,1 mm		rising by 0,5 mm	rising by 1,0 mm

Collets be available in intermediate dimensions, short drill 1-2,9 and intermediate dimensions and short drill 1-2,9.
Please contact us.