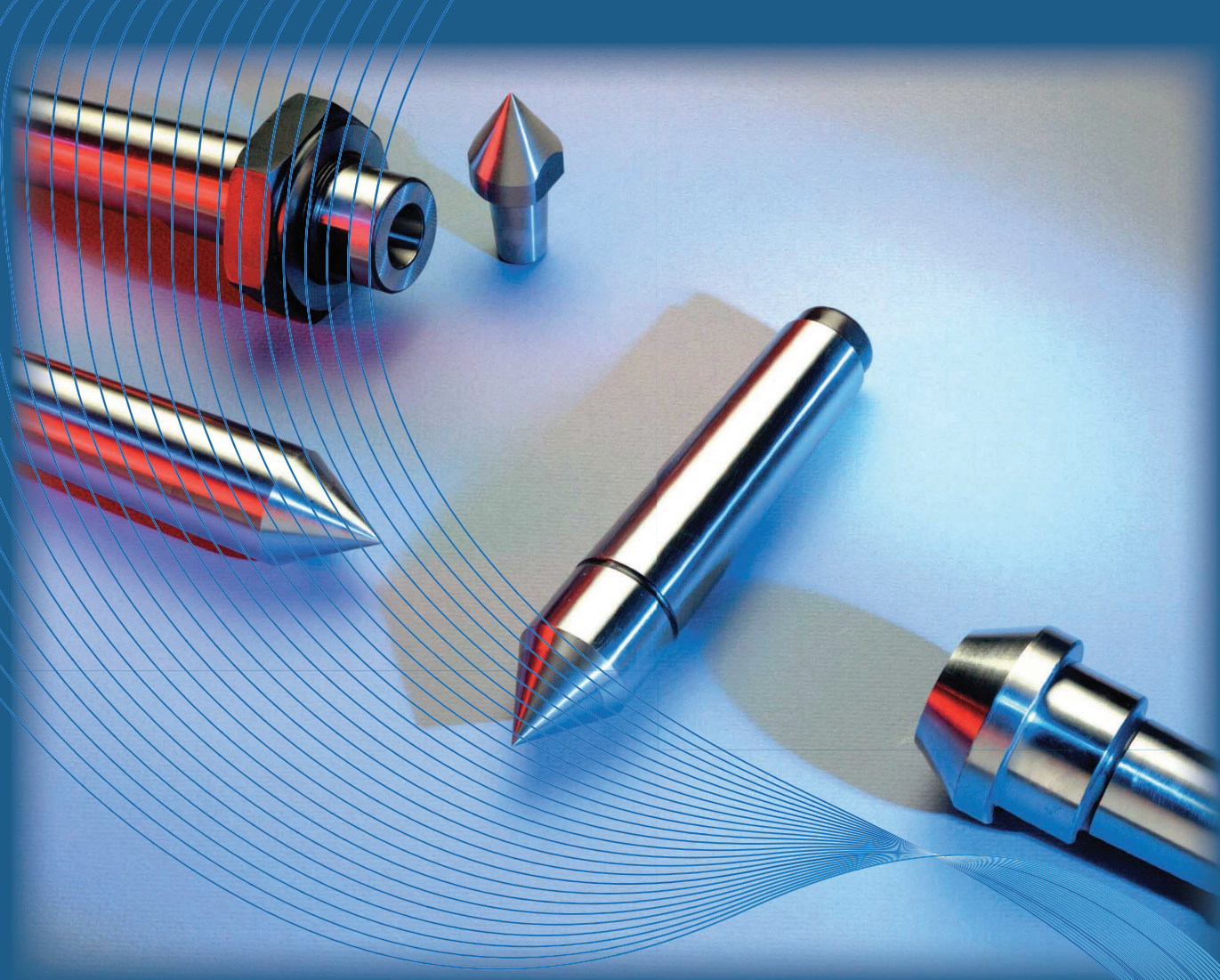




DEAD CENTERS for

- ▼ Turning
- ▼ Grinding



ITA Inc.

Ph: 410-777-8555

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HIGH QUALITY PRODUCTS
AT AFFORDABLE PRICES



DEAD CENTERS

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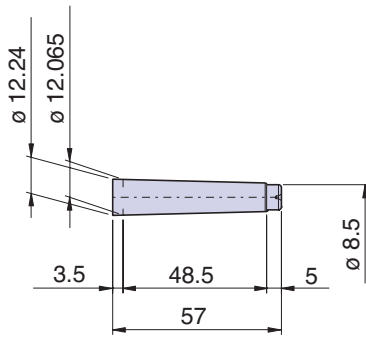
Introduction/Morse Taper Dimensions	3
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PTM is a leading manufacturer of standard and custom designed workholding products. PTM offers a wide variety of products with emphasis on Live Centers for Turning, Grinding and Gear Cutting, and Dead Centers and Face Drivers for Turning and Grinding. PTM has established its reputation and achieved its success by offering products that ensure **best performance, highest accuracy** and **longest life** while keeping prices low.

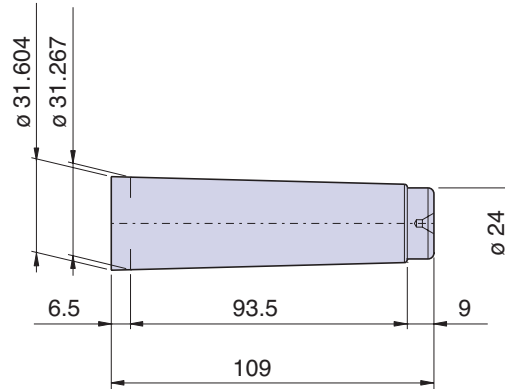
- ▼ **Best Performance:** Engineered for maximum tool clearance while providing the highest rigidity to the workpiece.
- ▼ **Highest Accuracy:** Utilizing high quality material and components, innovative design and manufacturing practices.
- ▼ **Longest Life:** All PTM products are manufactured to the highest standards and where required permanent lubricating grease and specially designed seals are used which guarantees to keep out fines and coolant including high pressure coolant.

Morse Taper Dimensions

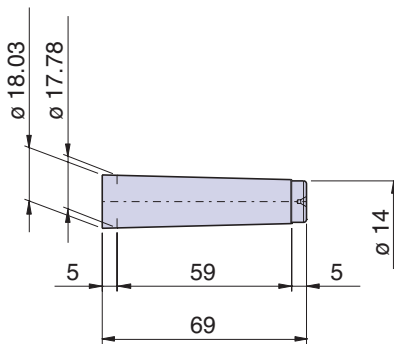
MT 1



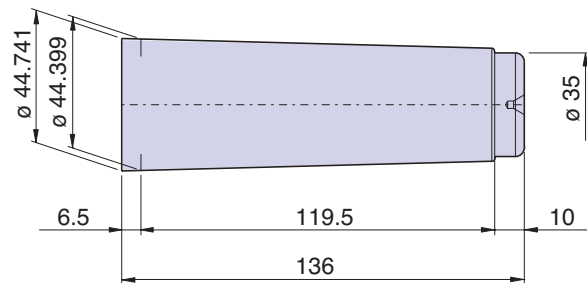
MT 4



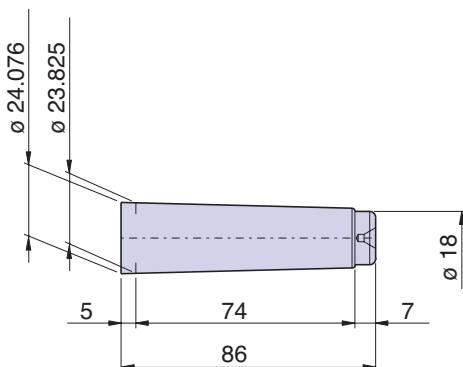
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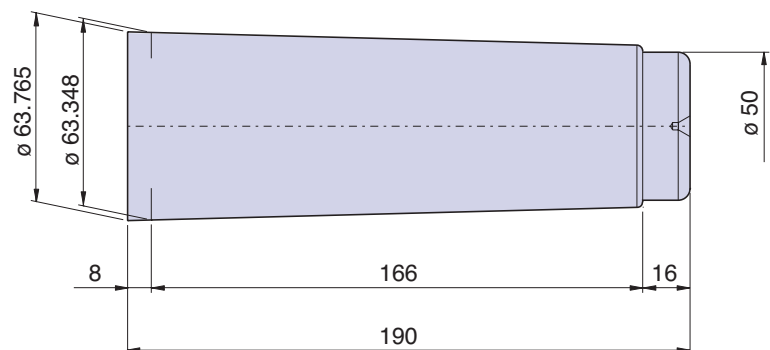
MT 5



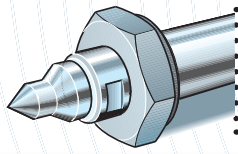
MT 3



MT 6



All Dimensions: mm

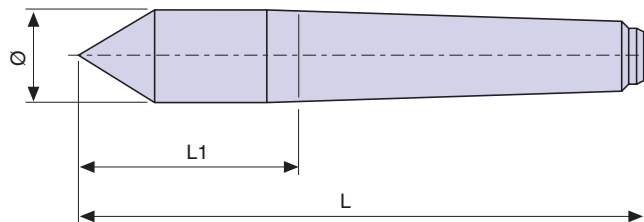


DEAD CENTERS



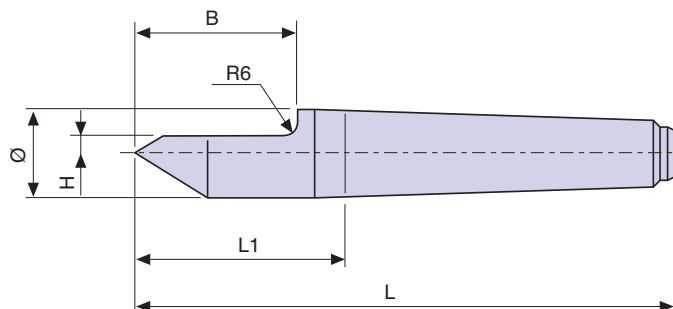
PTM Dead Centers are manufactured utilizing the highest quality steel available completely hardened and ground to 61-63 Rc for improved quality and long life. Accuracy is guaranteed to ± 0.001 mm and ± 0.0015 mm for dead centers with interchangeable point. Carbide tipped centers are welded utilizing the most advanced induction machines guaranteeing the most stable and strongest bond.

Full Centers



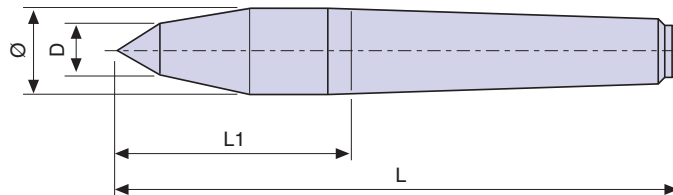
MORSE TAPER	Ø	L	L1	MODEL*
1	12,2	80	26,5	30101
		98	44,5	30501
2	18	100	36	30102
		150	86	30502
3	24,1	125	44	30103
		180	99	30503
4	31,6	160	57,5	30104
		200	97,5	30504
5	44,7	200	71,5	30105
		230	101,5	30505
6	63,8	270	88	30106
		300	118	30506

Half Centers



MORSE TAPER	Ø	H	B	L	L1	MODEL*
1	12,2	1,5	22	80	26,5	30301
			40	98	44,5	30701
2	18	3	32	100	36	30302
			67	150	86	30702
3	24,1	4	40	125	44	30303
			90	180	99	30703
4	31,6	7,2	52	160	57,5	30304
			85	200	97,5	30704
5	44,7	7,2	63	200	71,5	30305
			85	230	101,5	30705
6	63,8	10,1	79	270	88	30306
			90	300	118	30706

Double Pitch Centers

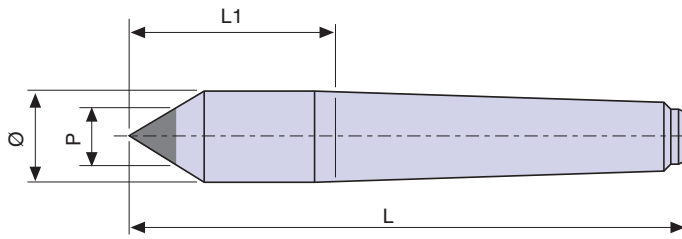


MORSE TAPER	Ø	L	L1	D	MODEL*
1	12,2	88	35,5	8	30901
2	18	112	48	10	30902
3	24,1	150	69	12	30903
4	31,6	178	75,5	14	30904
5	44,7	220	90,5	18	30905
6	63,8	280	98	25	30906

*Specials of any shape and size are available upon request

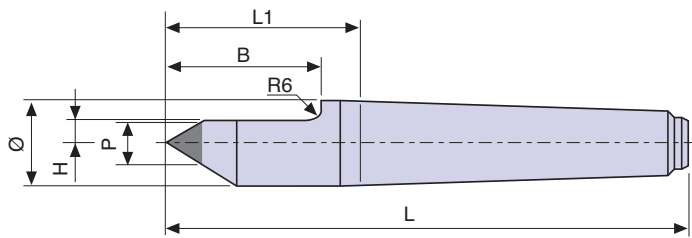
Dead Centers with Carbide Tip

Full Centers



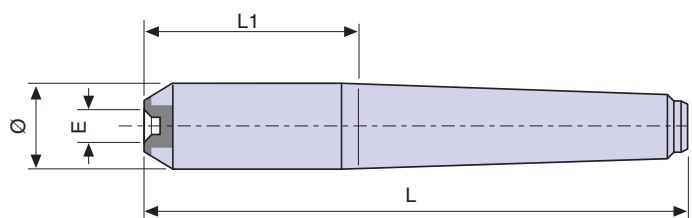
MORSE TAPER	Ø	P	L	L1	MODEL*
1	12,2	8	85	31,5	30201
			98	44,5	30601
2	25	18	100	37	60102
	18	12	100	36	30202
3	24,1	18	125	44	60103
		14	125	44	30203
			150	69	30203.150
			180	99	30603
4	31,6	30	160	57,5	60104
		22	160	57,5	30204
			180	77,5	30204.180
			200	97,5	30604
5	44,7	35	200	70,5	60105
		25	200	70,5	30205
			230	100,5	30605
			250	120,5	30605.250
6	63,8	35	270	88	60106
		30	270	88	30206
			300	118	30606
			325	143	30606.325

Half Centers



MORSE TAPER	Ø	P	H	B	L	L1	MODEL*
1	12,2	8	2	23	80	27,5	30401
				40	98	44,5	30801
2	18	8	2	32	100	36	30402
		10	3	67	150	87	30802
3	24,1	10	4	38	125	44	30403
				90	185	105	30803
4	31,6	14	5,5	50	160	57,5	30404
				85	200	97,5	30804
5	44,7	16	7,5	63	200	71,5	30405
				85	230	101,5	30805
6	63,8	20	10	79	270	88	30406
				90	300	118	30806

Slotted Centers



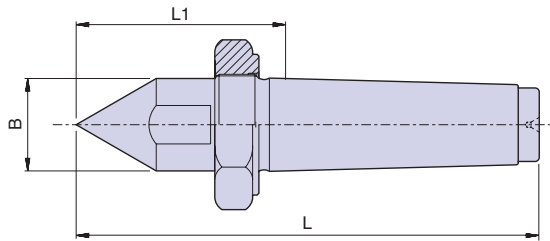
MORSE TAPER	Ø	E	L	L1	MODEL*
1	14,2	3	80	26,5	30111
2	18	3	100	37	30112
3	24,1	3	125	44	30113
4	31,6	6	173	70	30114
5	44,7	6	200	71,5	30115
6	63,8	12	270	88	30116

*Specials of any shape and size are available upon request

All Dimensions: mm

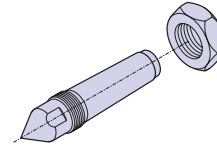
Dead Centers with Extraction Nut

Standard

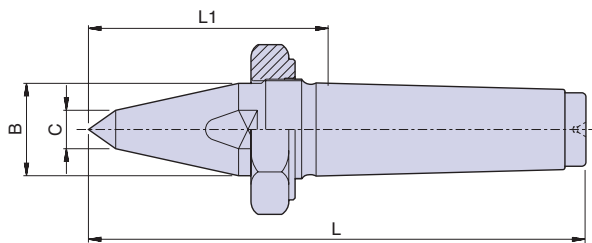


MORSE TAPER	B	L	L1	Model*
3	22	135	55	90103
4	32	165	62	90104
5	44	220	92	90105
6	63,8	300	118	90106

MORSE TAPER	EXTRACTION NUT
3	901030
4	901040
5	901050
6	901060

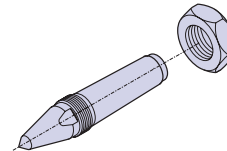


Double Pitch

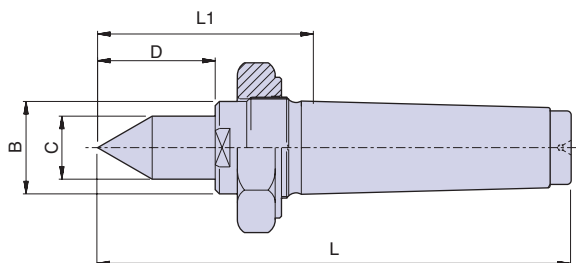


MORSE TAPER	B	C	L	L1	Model*
3	20	13	145	65	90113
4	32	14	193	92	90114
5	44	18	250	122	90115
6	60	25	334	152	90116

MORSE TAPER	EXTRACTION NUT
3	901030
4	901040
5	901050
6	901060

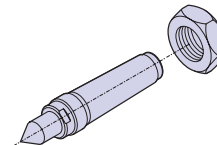


Reduced Point

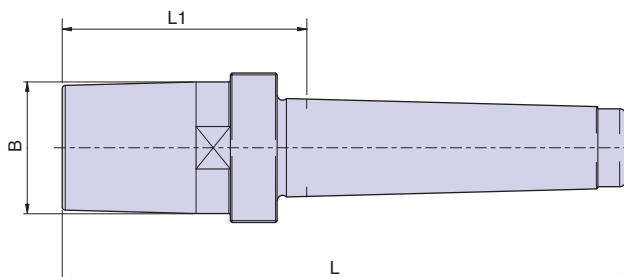


MORSE TAPER	B	C	D	L	L1	Model*
3	20	8	18	135	55	90123
4	32	20	40	175	74	90124
5	44	30	56	220	92	90125
6	64	40	75	310	128	90126

MORSE TAPER	EXTRACTION NUT
3	901030
4	901040
5	901050
6	901060

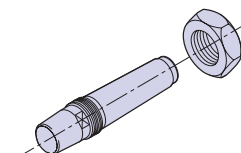


Interchangeable Point



MORSE TAPER	B	L	L1	Model*
4	42,26	181	75,5	90134-1
	35	179	73,5	90134-2
5	42,26	208	76,5	90135-1
	35	206	74,5	90135-2

MORSE TAPER	EXTRACTION NUT
4	901050
5	



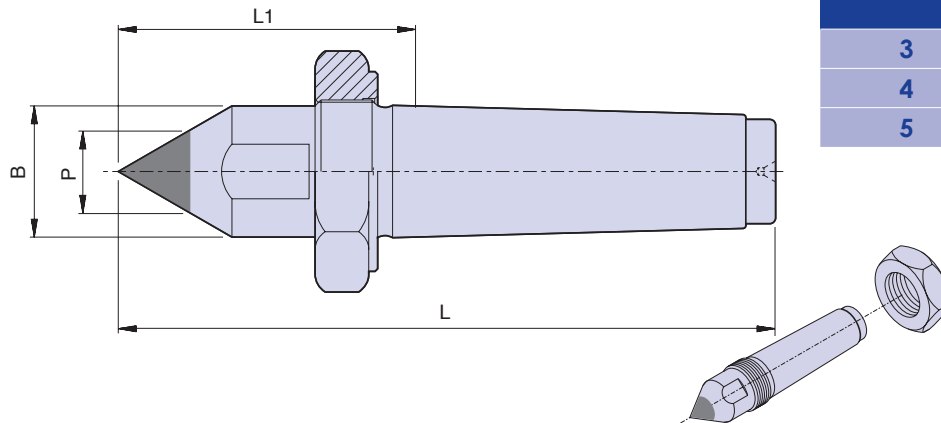
20015	20016	20017	20018	20019	20020

* Extraction nut must be ordered separately

All Dimensions: mm

Dead Centers with Carbide Tip and Extraction Nut

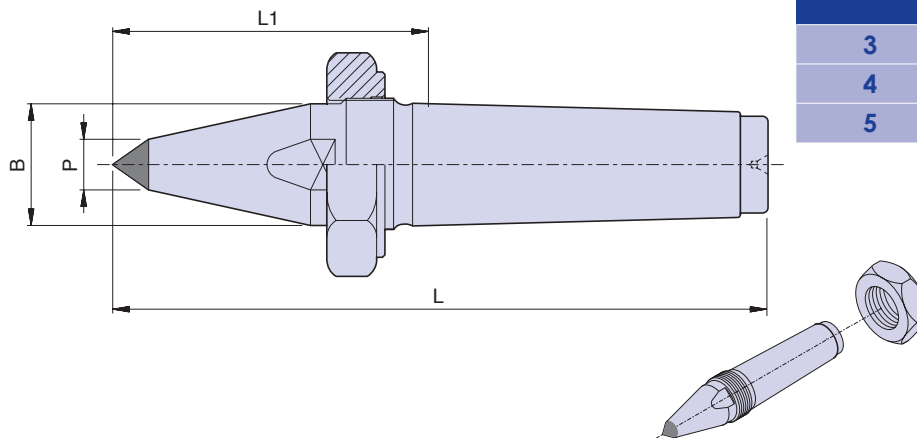
Standard



MORSE TAPER	L1	B	L	P	MODEL*
3	50	22	135	18	90163
4	60	32	162	26	90164
5	92	44	220	30	90165

MORSE TAPER	Extraction Nut
3	901030
4	901040
5	901050

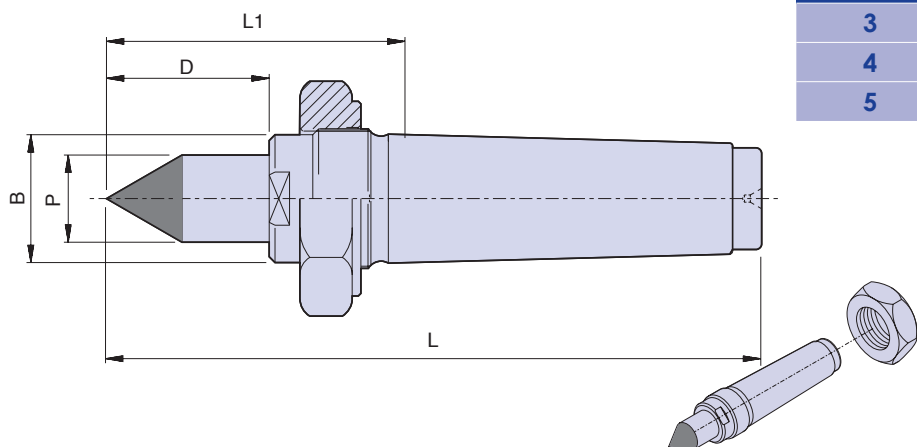
Double Pitch



MORSE TAPER	L1	B	L	P	MODEL*
3	65	22	145	12	90173
4	92	32	193	14	90174
5	122	44	250	18	90175

MORSE TAPER	Extraction Nut
3	901030
4	901040
5	901050

Reduced Point



MORSE TAPER	L1	B	D	L	P	MODEL*
3	60	22	18	135	8	90183
4	74	32	40	175	20	90184
5	92	44	56	220	30	90185

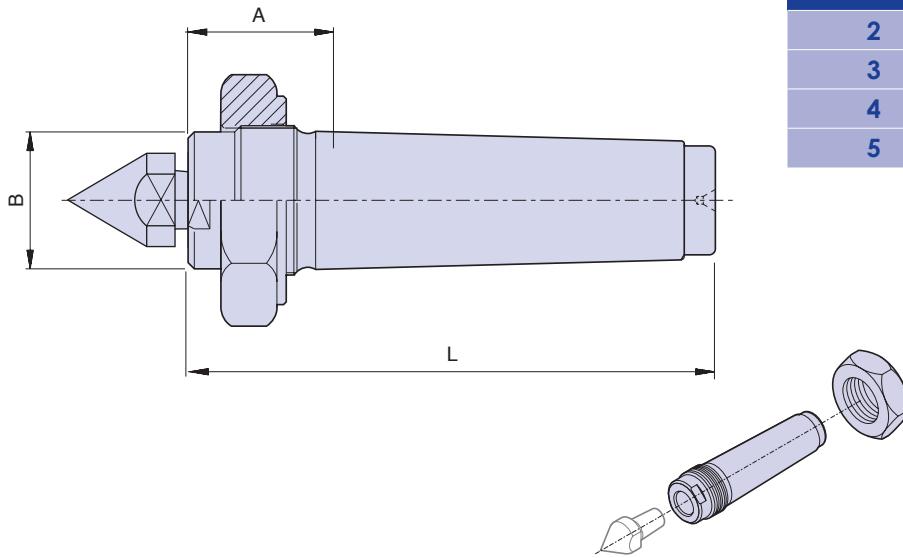
MORSE TAPER	Extraction Nut
3	901030
4	901040
5	901050

* Extraction nut must be ordered separately

All Dimensions: mm

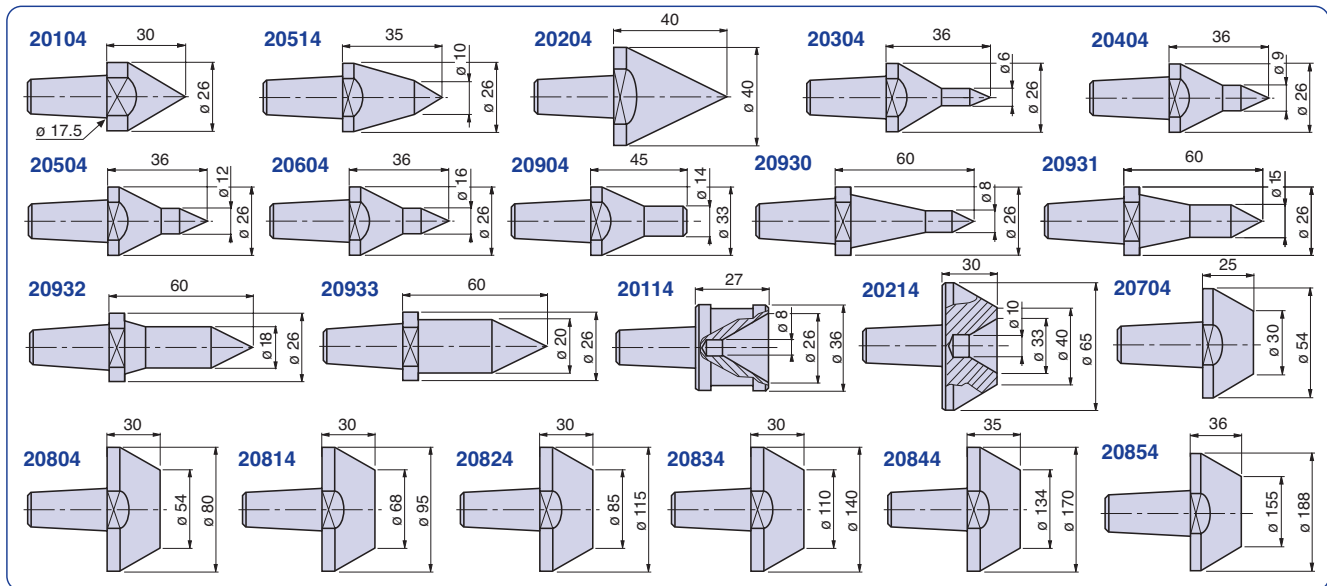
Dead Centers with Interchangeable Point and Extraction Nut

Dead Center with Interchangeable Point

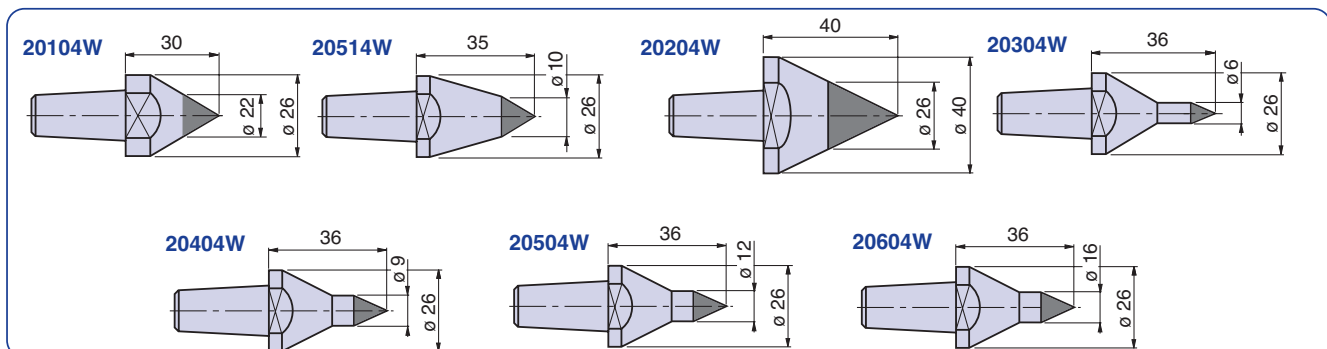


MORSE TAPER	A	B	L	MODEL*
2	45	32	109	90132
3	40	32	123	90133
4	50	32	153	90134
5	46	44	175	90135

MORSE TAPER	Extraction Nut
2	901040
3	901040
4	901040
5	901050



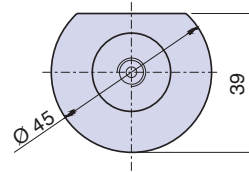
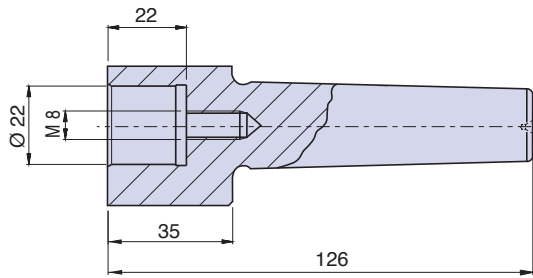
Carbide Tip



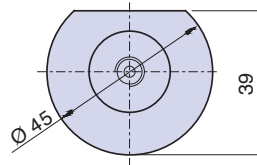
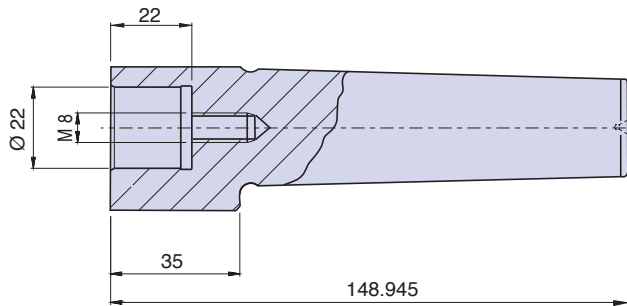
* Points and Extraction nut must be ordered separately

All Dimensions: mm

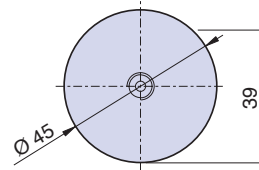
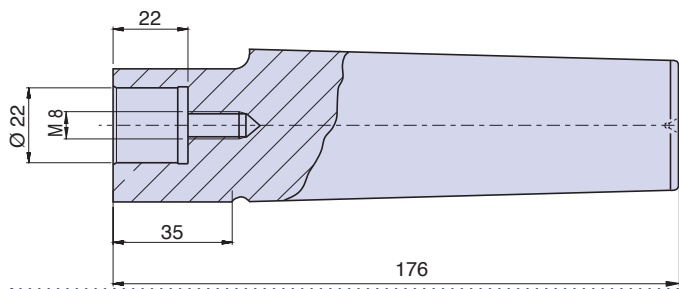
Dead Centers with Interchangeable Point with Carbide Tip



Morse Taper	Model
3	501030

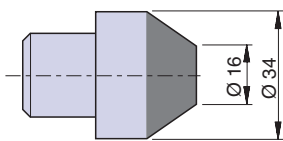


Morse Taper	Model
4	501040

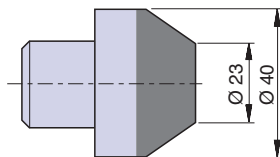


Morse Taper	Model
5	501050

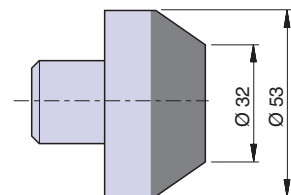
MODEL 501001



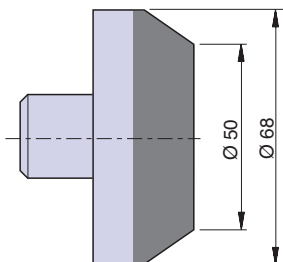
MODEL 501002



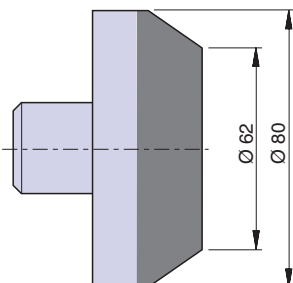
MODEL 501003



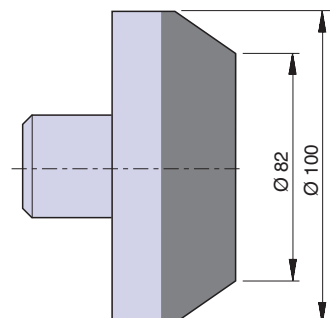
MODEL 501004



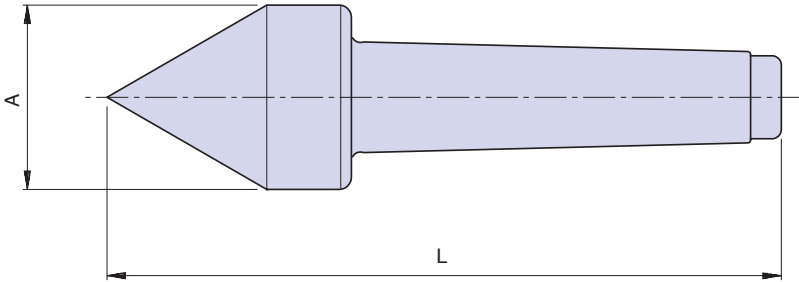
MODEL 501005



MODEL 501006

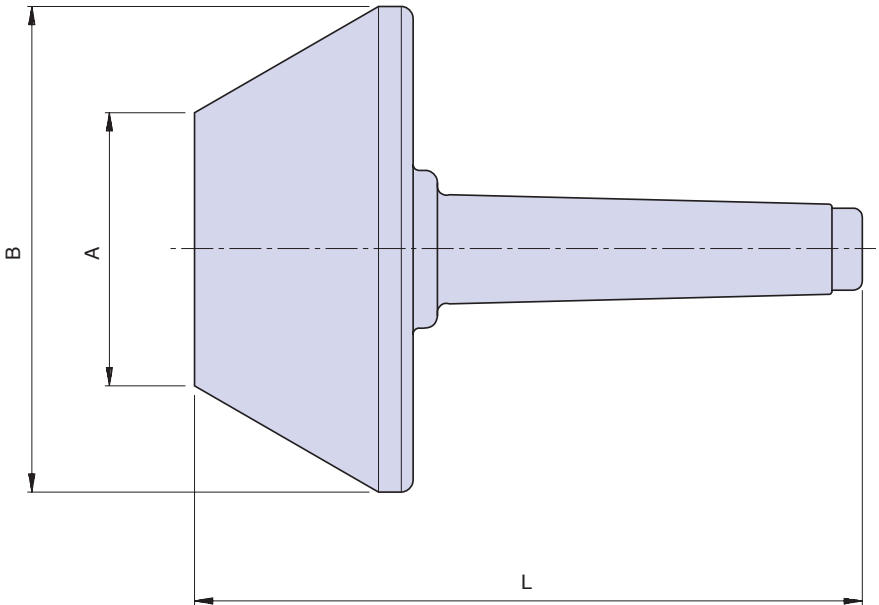


Dead Centers for Test Benches (64-65 Rc)
Double hardened



Morse Taper	A	L	C
2	21	100	80121
2	25	105	80125
2	30	110	80130
2	35	115	80135

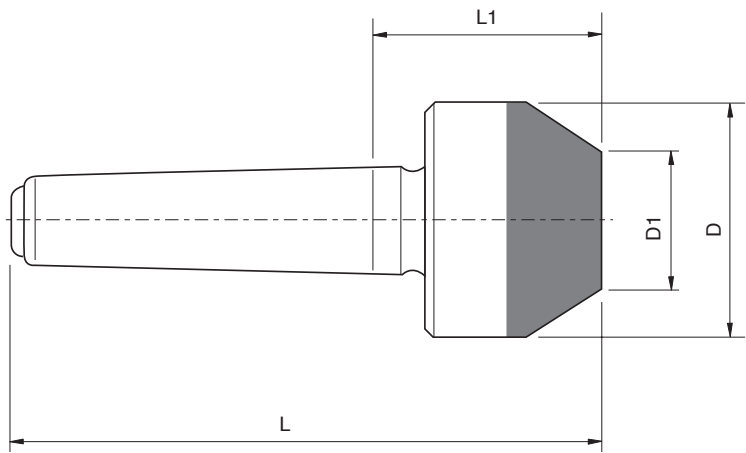
Morse Taper	A	L	C
3	25	120	80325
3	30	125	80330
3	35	130	80335
3	40	135	80340



Morse Taper	A	B	L	C
2	18	42	100	80218
2	26	48	105	80226
2	35	64	105	80235
2	45	80	110	80245

Morse Taper	A	B	L	C
3	18	42	120	80418
3	26	48	125	80426
3	35	64	125	80435
3	45	85	130	80445

Dead Centers with Carbide Tip



Morse Taper	D	D1	L	L1	Model*
2	40	23	100	36	70101
	32	14			70102
3	68	50	116	35	70103
	53	32		39,5	70104
	40	23		37	70105
	32	14		36	70106
4	80	62	135	32,5	70121
	68	50			70107
	53	32			70108
	40	23		33,5	70109
	32	14			70110
5	80	62	168	39,5	70111
	68	50			70112
	53	32			70113
	40	23			70114
	32	14		38,5	70115
6	80	62	234	52	70116
	68	50			70117
	53	32			70118
	40	23			70119
	32	14			70120

* All models available with extraction nut