

- 適用較大之內孔徑工件加工使用。
- 內部配置使用滾錐軸承及滾珠軸承之組合。
- Suitable for large work-piece within inner diameter.
- The internal configuration combined by tapered roller and ball bearing shaft.

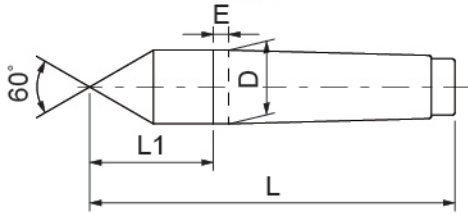
單位:mm

訂購編號 Order No.	型號 Model	L	L1	D	D1	A	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38428-01	BC-MT2×2-1/2"	128	58	63.5	12	17.78	60°	0.005	3000	0.9
38428-03	BC-MT2×3"	138	68	78	19	17.78	60°	0.005	2500	1.3
38428-05	BC-MT2×4"	141	70	106	32	17.78	70°	0.005	2000	2.3
38428-07	BC-MT3×3"	158	68	78	19	23.825	60°	0.005	2500	1.5
38428-09	BC-MT3×4"	160	70	106	32	23.825	70°	0.005	2000	2.5
38428-11	BC-MT3×5"	173	83	128	35	23.825	70°	0.005	1900	4.2
38428-13	BC-MT3×6"	183	93	156	50	23.825	70°	0.008	1900	7.3
38428-15	BC-MT4×3"	179	68	78	19	31.267	60°	0.005	2500	1.8
38428-17	BC-MT4×4"	181	70	106	32	31.267	70°	0.005	2000	3.0
38428-19	BC-MT4×5"	194	83	128	35	31.267	70°	0.005	1900	4.6
38428-21	BC-MT4×6"	204	93	156	50	31.267	70°	0.008	1900	7.7
38428-23	BC-MT4×8"	223	113	206	54	31.267	75°	0.008	1500	12.5
38428-25	BC-MT4×10"	236	120	258	92	31.267	80°	0.008	1000	24.0
38428-27	BC-MT5×4"	214	70	106	32	44.399	70°	0.005	2000	4.0
38428-29	BC-MT5×5"	227	83	128	35	44.399	70°	0.005	1900	5.5
38428-31	BC-MT5×6"	237	93	156	50	44.399	70°	0.008	1900	8.2
38428-33	BC-MT5×8"	257	113	206	54	44.399	75°	0.008	1500	13.5
38428-35	BC-MT5×10"	264	120	258	92	44.399	80°	0.008	1000	25.5
38428-37	BC-MT5×12"	281	135	306	120	44.399	90°	0.01	1000	37.5
38428-39	BC-MT6×8"	298	113	206	54	63.348	75°	0.008	1500	16.0
38428-41	BC-MT6×10"	306	120	258	92	63.348	80°	0.008	1000	28.0
38428-43	BC-MT6×12"	323	135	306	120	63.348	90°	0.01	1000	40.0
38428-45	BC-MT2×2.24"	125	55	57	12	17.78	60°	0.005	3000	0.8
38428-47	BC-MT2×2.44"	130	60	62	12	17.78	60°	0.005	3000	0.9
38428-49	BC-MT2×2.48"	130	60	63	12	17.78	60°	0.005	3000	0.9
38428-51	BC-MT3×2.95"	148	58	75	19	23.825	70°	0.005	2500	1.3
38428-53	BC-MT3×3.07"	152	62	78	19	23.825	70°	0.005	2500	1.4
38428-55	BC-MT3×4.13"	157	67	105	32	23.825	70°	0.005	2000	2.7
38428-57	BC-MT3×4.21"	160	70	107	32	23.825	70°	0.005	2000	2.9
38428-59	BC-MT4×4.92"	185	74	125	35	31.267	75°	0.005	2000	4.1
38428-61	BC-MT4×5.04"	192	81	128	35	31.267	70°	0.005	2000	4.6
38428-63	BC-MT5×5.91"	230	86	150	50	44.399	70°	0.008	2000	7.7
38428-65	BC-MT5×6.61"	236	92	168	50	44.399	70°	0.008	1900	9.5
38428-67	BC-MT6×7.87"	297	111	200	54	63.348	75°	0.008	1500	16.0



38430

固定頂針 SOLID CENTERS



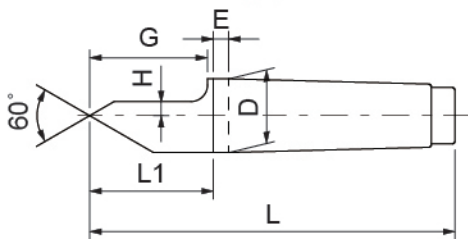
單位:mm

訂購編號 Order No.	型號 Model	D	L	L1	E	重量(kg) Weight
38430-05	MT1	12.065	82	25	3.5	0.07
38430-10	MT2	17.780	100	31	5	0.16
38430-15	MT3	23.852	125	39	5	0.35
38430-20	MT4	31.267	155	46	6.5	0.78
38430-25	MT5	44.399	200	64	6.5	1.95
38430-30	MT6	63.348	270	80	8	5.20

- 適用於車床及圓筒磨床機械。
- 高級鋼材製成，硬度高，且經過精密研磨。
- 外徑錐度符合DIN 806規格。
- Suit for lathing and grinding machine.
- Manufactured by high-class material, hardness very high, and precision grinding.
- Outer diameter taper conform to DIN 806.

38435

半邊固定頂針 HALF-SIDE SOLID CENTERS OF MEDIUM CARBON STEEL



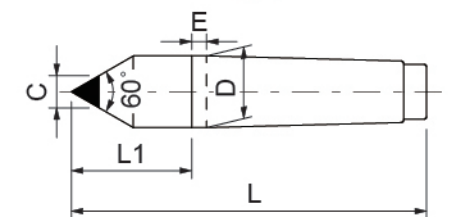
單位:mm

訂購編號 Order No.	型號 Model	D	L	L1	E	H	G	重量(kg) Weight
38435-05	MT1	12.065	82	25	3.5	4	25	0.06
38435-10	MT2	17.780	100	31	5	4	30	0.13
38435-15	MT3	23.852	125	39	5	5	38	0.32
38435-20	MT4	31.267	155	46	6.5	6	50	0.75
38435-25	MT5	44.399	200	64	6.5	8	63	1.85
38435-30	MT6	63.348	270	80	8	10	80	5.10

- 適用於車床及圓筒磨床機械。
- 高級鋼材製成，硬度高，且經過精密研磨。
- 外徑錐度符合DIN 806規格。
- Suit for lathing and grinding machine.
- Manufactured by high-class material, hardness very high, and precision grinding.
- Outer diameter taper conform to DIN 806.

38460

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



單位:mm

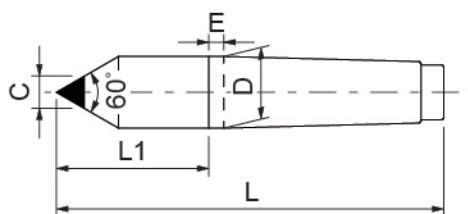
訂購編號 Order No.	型號 Model	D	C	L	L1	E
38460-01	MT1C6	12.065	φ6	82	25	3.5
38460-02	MT2C6	17.780	φ6	100	31	5
38460-04	MT3C10	23.852	φ10	125	39	5
38460-05	MT4C10	31.267	φ10	155	46	6.5
38460-06	MT4C14	31.267	φ14	155	46	6.5
38460-08	MT5C14	44.399	φ14	200	64	6.5
38460-10	MT6C30	63.348	φ30	270	80	8

- 前置標準型碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。
- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

■ 加長型 EXTEND TYPE

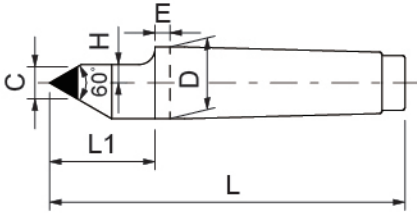
單位:mm

訂購編號 Order No.	型號 Model	D	C	L	L1	E
38460-42	MT3C10-L	23.852	φ10	150	65	5
38460-44	MT3C14-L	23.852	φ14	150	65	5
38460-46	MT3C18-L	23.852	φ18	150	65	5
38460-48	MT4C10-L	31.267	φ10	180	76.5	6.5
38460-51	MT4C18-L	31.267	φ18	180	76.5	6.5
38460-53	MT4C18-L	31.267	φ18	200	96.5	6.5



38465

半邊鎢鋼頂針 HALF-SIDE SOLID CENTERS OF CARBIDE TIPPED



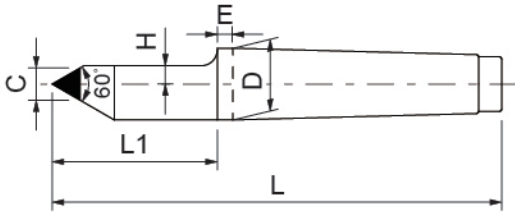
單位:mm

- 前置標準型碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。
- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	D	C	L	L1	E	H
38465-20	MT2C6	17.780	φ6	100	30	5	4
38465-25	MT3C6	23.852	φ6	125	35	5	4
38465-30	MT3C8	23.852	φ8	125	35	5	5
38465-35	MT3C10	23.852	φ10	125	35	5	6
38465-40	MT4C6	31.267	φ6	155	50	6.5	4
38465-45	MT4C10	31.267	φ10	155	50	6.5	6
38465-50	MT4C14	31.267	φ14	155	50	6.5	4
38465-55	MT4C14	31.267	φ14	155	50	6.5	8
38465-60	MT5C14	44.399	φ14	200	60	6.5	8

■ 加長型 EXTEND TYPE

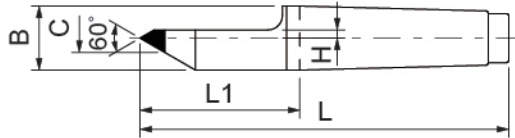
單位:mm



訂購編號 Order No.	型號 Model	D	C	L	L1	E	H
38465-76	MT3C6-L	23.852	φ6	150	60	5	4
38465-78	MT3C8-L	23.852	φ8	150	60	5	5
38465-80	MT3C14-L	23.852	φ14	150	60	5	8
38465-85	MT4C14-L	31.267	φ14	155	50	6.5	8
38465-88	MT4C14-L	31.267	φ14	180	70	6.5	8
38465-92	MT5C14-L	44.399	φ14	200	60	6.5	8

38470

半邊鎢鋼頂針 HALF-SIDE SOLID CENTERS OF CARBIDE TIPPED



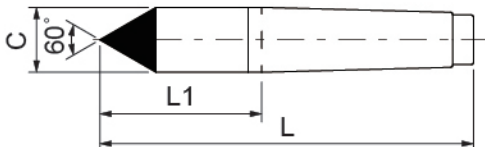
單位:mm

- 前置標準型碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。
- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	B	C	H	L	L1	L2
38470-01	MT2	φ18	φ7	1.5	100	46	30
38470-02	MT2	φ18	φ7	2.5	100	46	30
38470-04	MT3	φ24.1	φ10	1.5	150	69	60
38470-06	MT3	φ24.1	φ10	2.5	150	69	60
38470-08	MT3	φ24.1	φ10	4.0	150	69	60
38470-10	MT4	φ31.6	φ14	1.5	180	78	70
38470-12	MT4	φ31.6	φ14	2.5	180	78	70
38470-14	MT4	φ31.6	φ14	4.0	180	78	70

38475

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



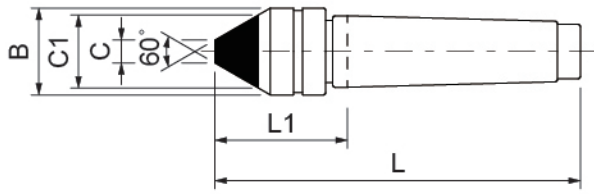
單位:mm

- 前置全實心碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。
- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	C	L	L1
38475-10	MT2	φ18	100	46
38475-15	MT2	φ24	100	46
38475-20	MT3	φ24.1	125	44
38475-25	MT3	φ24.1	150	69
38475-30	MT4	φ31.6	165	58
38475-35	MT4	φ31.6	180	78
38475-40	MT4	φ31.6	200	98
38475-45	MT5	φ44.7	200	71
38475-50	MT5	φ44.7	250	120
38475-55	MT6	φ63.8	270	140

38480

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



- 前置小平面碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。

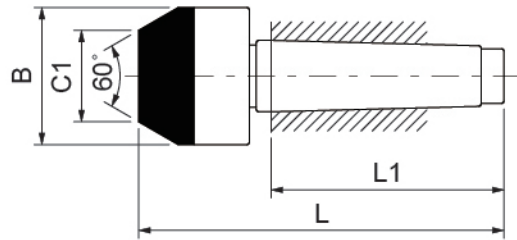
單位:mm

- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	B	C	C1	L	L1
38480-10	MT2	φ38	φ10	φ32	110	46
38480-15	MT3	φ38	φ10	φ32	131	50
38480-20	MT4	φ38	φ10	φ32	160	58
38480-21	MT4	φ31.6	φ10	φ24	160	58
38480-25	MT5	φ44.7	φ10	φ32	200	71

38485

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



- 前置大平面碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。

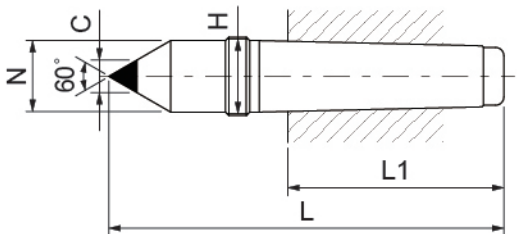
單位:mm

- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	B	C1	L	L1
38485-05	MT2	φ40	φ20	105	64
38485-10	MT2	φ60	φ40	105	64
38485-15	MT3	φ40	φ20	125	81
38485-20	MT3	φ60	φ40	125	81
38485-25	MT4	φ40	φ20	160	102.5
38485-30	MT4	φ60	φ40	160	102.5
38485-35	MT4	φ80	φ60	160	102.5
38485-40	MT5	φ40	φ20	200	129.5
38485-45	MT5	φ60	φ40	200	129.5
38485-50	MT5	φ80	φ60	200	129.5

38490

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



- 前置標準型碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 適用於車床及圓筒磨床機械。
- 外徑錐度符合DIN 806規格。

單位:mm

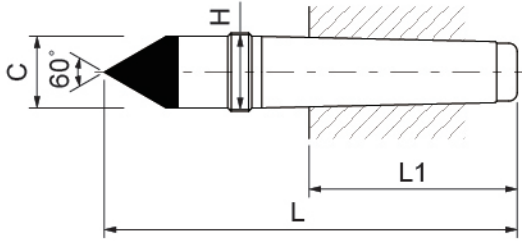
- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Suit for lathing and grinding machine.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	C	H	N	L	L1
38490-05	MT2	φ7	M22×1.5	18	112	64
38490-10	MT3	φ11	M27×1.5	24.1	138	81
38490-15	MT3	φ18	M27×1.5	24.1	138	81
38490-20	MT4	φ14	M36×1.5	31.6	175	102.5
38490-25	MT4	φ18	M36×1.5	31.6	175	102.5
38490-30	MT4	φ18	M36×1.5	31.6	200	102.5
38490-35	MT5	φ18	M48×1.5	44.7	217	128.5
38490-40	MT6	φ18	M68×1.5	63.8	290	129.5
38490-45	MT6	φ35	M68×1.5	63.8	290	182



38495

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



- 前置全實心碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 主體有螺紋，可搭配固定頂針螺帽使用。
- 外徑錐度符合DIN 806規格。

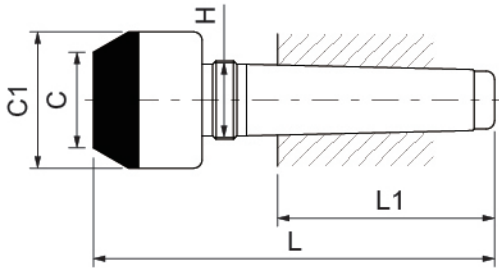
單位:mm

- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Threaded body, and can be used with nut of center.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	C	L	L1	H
38495-05	MT2	∅18.0	112	64	M22×1.5
38495-10	MT3	∅24.1	138	81	M27×1.5
38495-15	MT4	∅31.6	175	102.5	M36×1.5
38495-20	MT5	∅44.7	217	129.5	M48×1.5
38495-25	MT5	∅63.8	290	182	M68×1.5

38500

鎢鋼頂針 SOLID CENTERS OF CARBIDE TIPPED



- 前置大平面碳化鎢頂心。
- 碳化鎢材質K20，硬度:HRC75°±2°。
- 本體及碳化鎢頂心皆經過精密研磨。
- 主體有螺紋，可搭配固定頂針螺帽使用。
- 外徑錐度符合DIN 806規格。

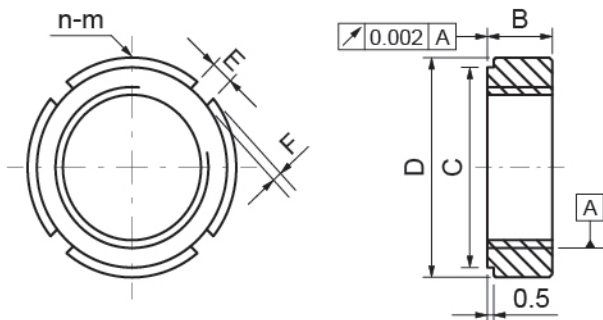
單位:mm

- Standard Carbon wolfram in the front side.
- Material of carbon wolfram:K20, HRC75°±2°.
- The main body and the center of Carbon wolfram are grinded accurately.
- Threaded body, and can be used with nut of center.
- Outer diameter taper conform to DIN 806.

訂購編號 Order No.	型號 Model	C	C1	L	L1	H
38500-05	MT3	∅25	∅45	138	81	M27×1.5
38500-10	MT4	∅25	∅45	175	102.5	M36×1.5
38500-15	MT4	∅40	∅60	175	102.5	M36×1.5
38500-20	MT5	∅25	∅45	217	129.5	M48×1.5
38500-25	MT5	∅40	∅60	217	129.5	M48×1.5

38505

頂針螺帽 DRAW OFF NUT



- 適用於有螺紋之固定頂針。
- 頂針螺帽符合DIN 807規格。
- Suit for lathing and grinding machine.
- It is as the DIN 807 standard model.

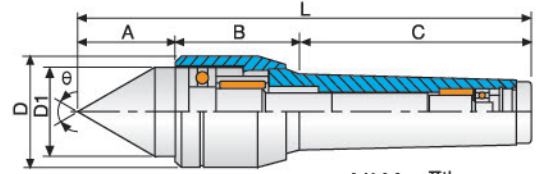
單位:mm

訂購編號 Order No.	型號 Model	D	B	C	E	F	n-m	Max. Nm
38505-05	M22	35	10	30	4	2	3 - M5	4.5
38505-10	M27	42	12	37	5	2	3 - M6	8.0
38505-15	M36	55	14	49	6	2.5	3 - M6	8.0
38505-20	M48	68	14	62	6	2.5	3 - M6	8.0
38505-25	M68	92	18	84	8	3.5	3 - M8	18.0

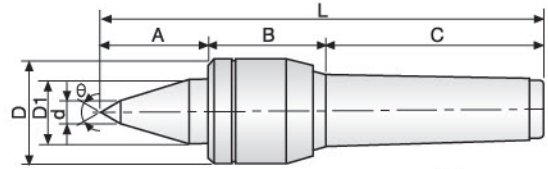


38515

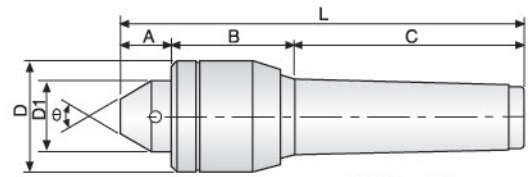
迴轉頂針 ROLLING TYPE CENTER



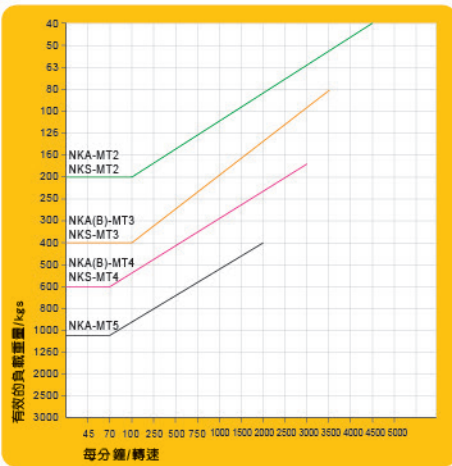
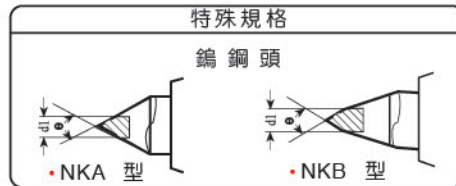
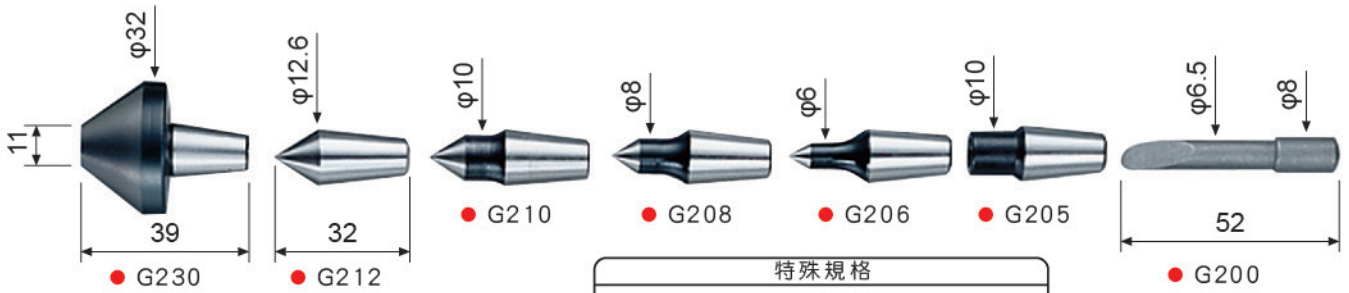
• NKA 型



• NKB 型



• NKS 型



- 適用中、高速之車床以及中負載使用。
- 心軸及本體使用軸承鋼之材質，經真空熱處理HRC60°±1°。
- 此頂針使用止推軸承，針狀軸承、滾針軸承及滾珠軸承之組合。
- NKB型適合小型工作物之加工切削用。
- Applicable to medium and high speed lathes with heavy loads.
- Center shaft and main body are made of alloy steel and hardened to HRC60°±1°.
- Center is assembled with thrust bearing, needle bearing and ball bearing.
- NKB type : Long nose live centers are suitable for small workpieces.

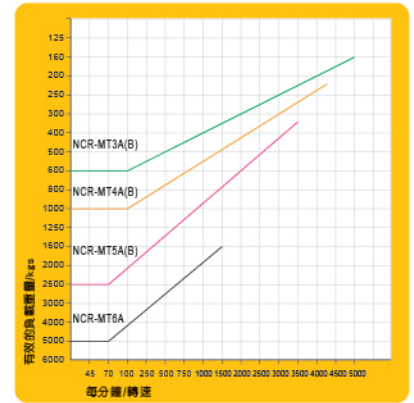
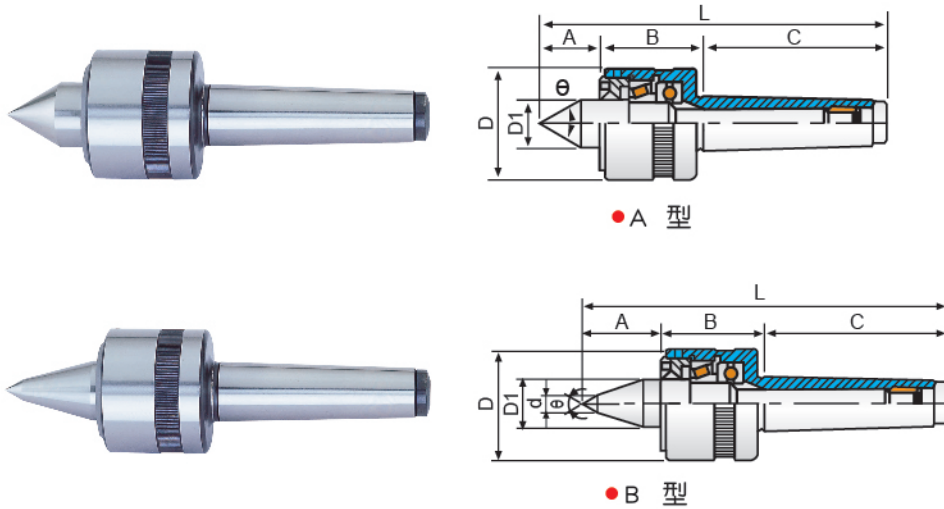
單位: mm

訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38515-05	NKA-MT2	28	35	69	32	23	-	132	60°	0.003	5000	0.4
38515-10	NKA-MT3	36	44	86	41	35	-	166	60°	0.003	3500	0.9
38515-15	NKA-MT4	41	51	108	47	40	-	200	60°	0.003	3000	1.5
38515-20	NKA-MT5	54	72	136	65	52	-	262	60°	0.003	2000	3.7
38515-25	NKB-MT3	46	44	86	41	25	10	176	60°	0.003	3500	0.9
38515-30	NKB-MT4	55	51	108	47	32	12	214	60°	0.003	3000	1.5
38515-35	NKS-MT2	22	36	69	32	25	-	127	60°	0.005	5000	0.9
38515-40	NKS-MT3	23	44	86	41	30	-	153	60°	0.005	3500	1.4
38515-45	NKS-MT4	23	51	108	47	32	-	182	60°	0.005	3000	1.90



38517

可調式頂針 ADJUSTMENT WATER-PROOF TYPE CENTER



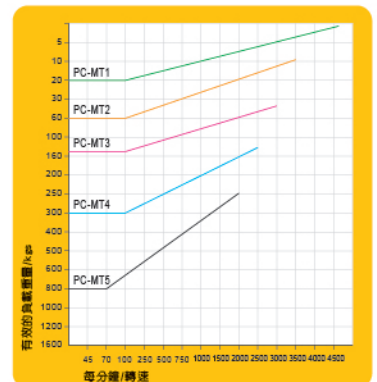
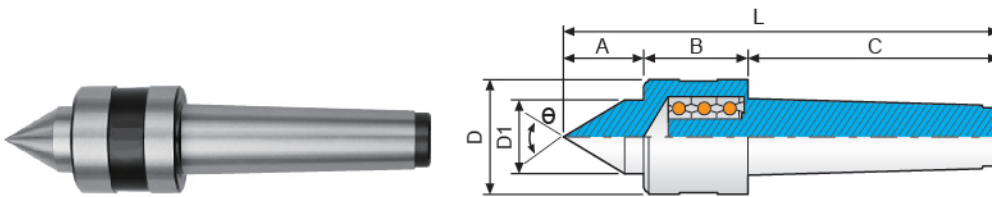
- 此頂針適用於中、重負荷使用，具有防水性。
- 心軸使用合金工具鋼之材質，經真空熱處理HRC60°±2° 具高剛性及耐磨性。
- 使用滾椎軸承、止推軸承及滾針軸承之組合。
- Applicable to medium and heavy loads. Waterproof design.
- The shaft uses alloy steel and hardened through vacuum heat treatment to HRC60°±2°.
- The center uses the combination of taper roller bearing, thrust bearing and needle bearing.

單位: mm

訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38517-06	NCR-MT3A	37	47	86	50	25	-	170	60°	0.003	5000	1.1
38517-08	NCR-MT4A	45	59	108	65	32	-	212	60°	0.003	4500	2.4
38517-10	NCR-MT5A	50	62	136	80	40	-	248	60°	0.003	3500	4.4
38517-12	NCR-MT6A	66	85	189	128	60	-	333	60°	0.008	1500	14.2
38517-14	NCR-MT3B	47	47	86	50	25	10	180	60°	0.003	5000	1.1
38517-16	NCR-MT4B	55	59	108	65	32	12	222	60°	0.003	4500	2.4
38517-18	NCR-MT5B	60	85	136	80	40	14	263	60°	0.003	3500	4.3

38518

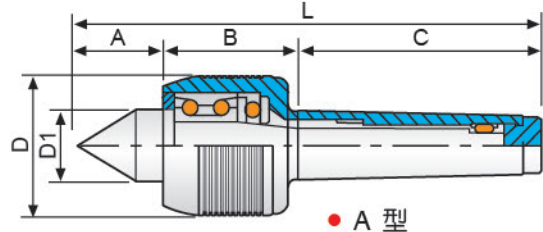
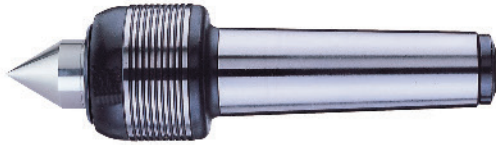
普通頂針 STANDARD CENTER



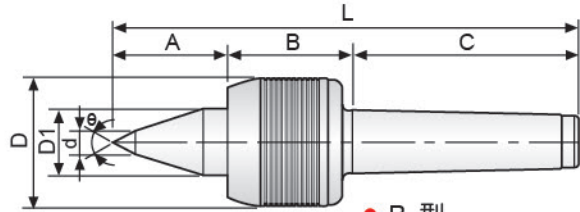
- 此頂針適用於中、高速車床及輕負載使用。
- 使用鉻鉬鋼之材質，經熱處理HRC58°~60° 具高剛性。
- 使用滾珠軸承之組合。
- Applicable to medium and heavy speed lathes with light duty.
- The center is made of Cr-Mo steel hardened to HRC58°~60°.
- The center is assembled with ball bearings.

單位: mm

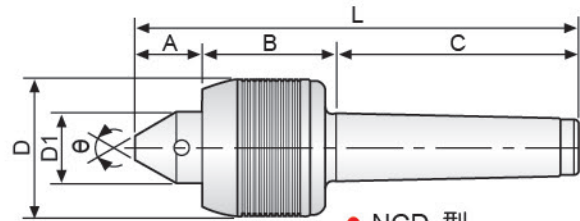
訂購編號 Order No.	型號 Model	A	B	C	D	D1	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38518-01	PC-MT1	21	31	56	32	16	108	60°	0.005	4500	0.2
38518-02	PC-MT2	26	37	69	40	22	132	60°	0.005	3500	0.4
38518-03	PC-MT3	32	46	86	45	26	164	60°	0.005	3000	0.8
38518-04	PC-MT4	34	46	108	48	30	188	60°	0.005	2500	1.2
38518-05	PC-MT5	50	62	136	68	45	248	60°	0.005	2000	3.2



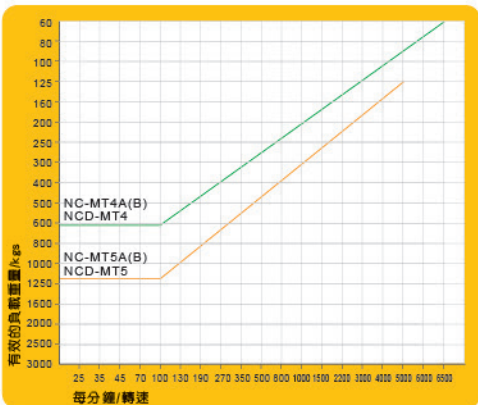
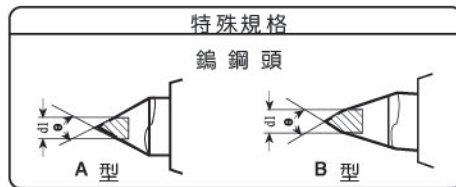
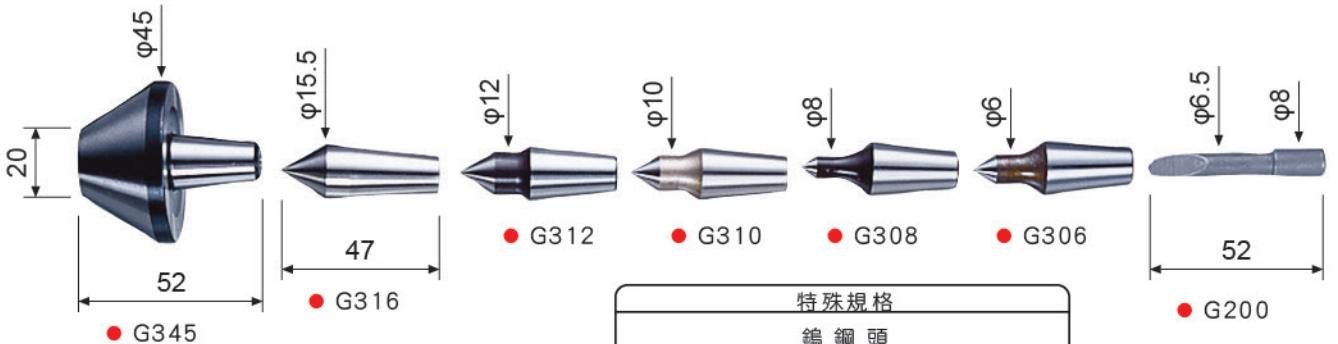
● A 型



● B 型



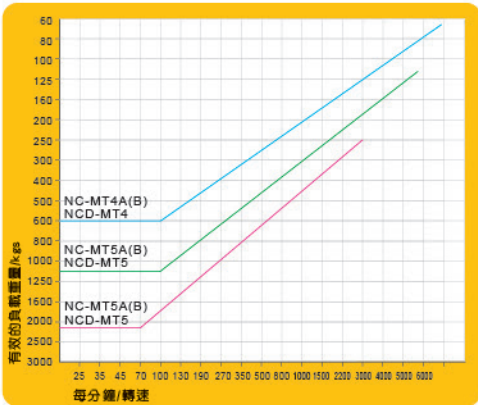
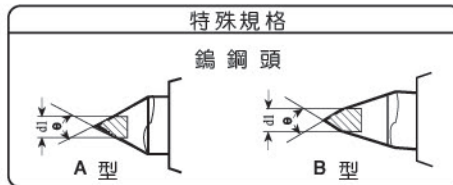
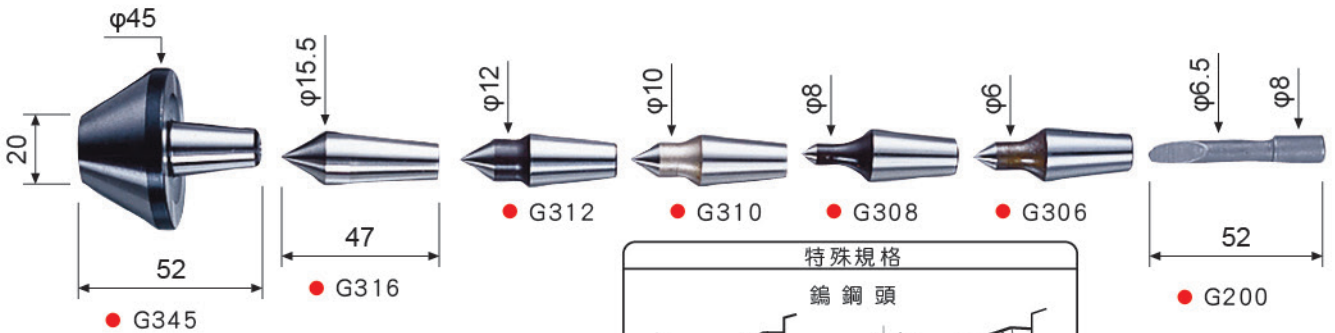
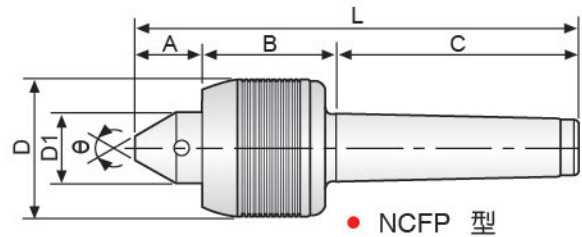
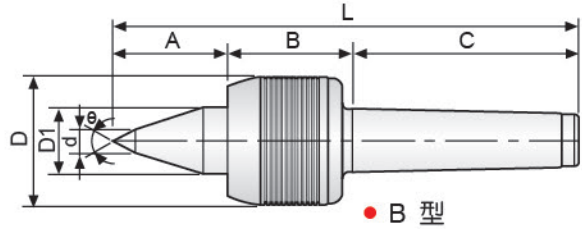
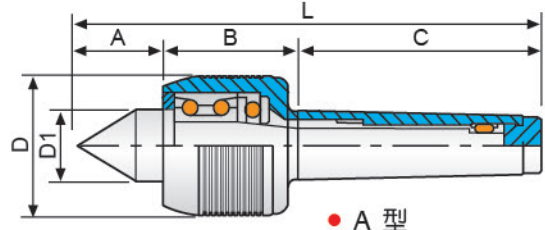
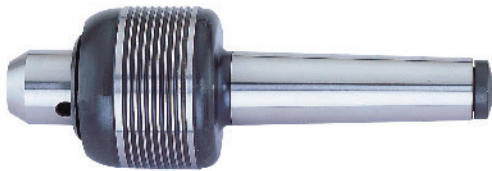
● NCD 型



- 此頂針適用於CNC車床，具高速及中負荷使用，具有防水性。
- 前端使用雙列斜角滾珠軸承、止推軸承及滾針軸承之組合。
- NC-B型適合小型工作物之加工切削用。
- These centers are suitable for CNC lathes at high-speed and medium-load. Waterproof design.
- Front end is fitted with angular contact ball bearing, thrust bearing and needle bearing.
- NC-B type : Long nose live centers are suitable for small workpieces.

單位: mm

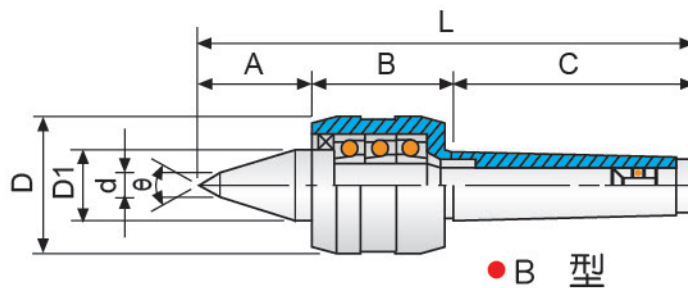
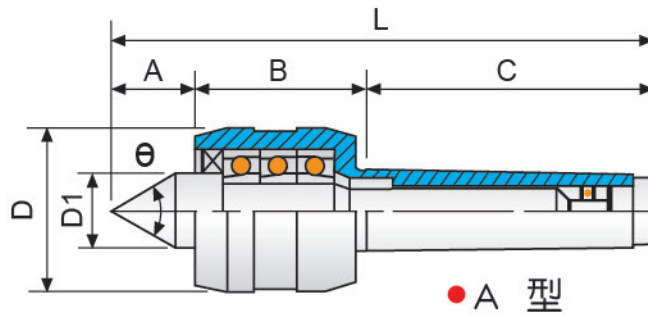
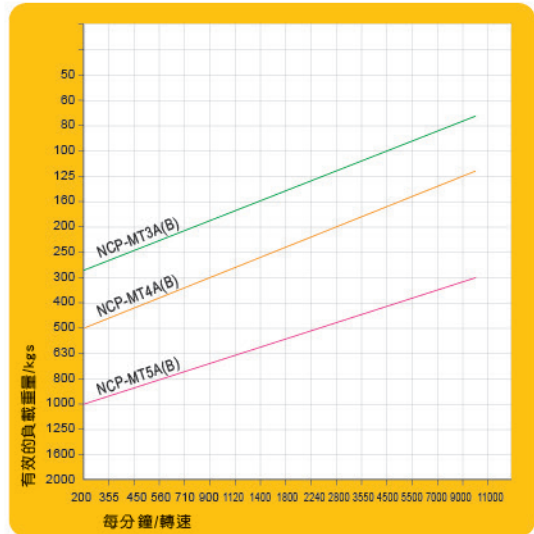
訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38519-05	NC-MT4A	44	55	108	53	30	-	207	60°	0.003	6500	1.6
38519-10	NC-MT5A	48	61	136	68	35	-	245	60°	0.003	5000	3.3
38519-15	NC-MT4B	52	55	108	53	30	12	215	60°	0.003	6500	1.6
38519-20	NC-MT5B	58	61	136	68	35	14	255	60°	0.003	5000	3.4
38519-25	NCD-MT4	33	55	108	53	30	-	196	30°	0.005	6500	2.3
38519-30	NCD-MT5	37	61	136	68	35	-	234	30°	0.005	5000	4.1



- 此頂針適用於CNC車床具有防水性。
- 心軸使用合金工具鋼之材質，經真空熱處理HRC60°±1° 具高剛性及耐磨性。
- 使用圓筒滾珠軸承、止推軸承及深溝滾珠軸承之組合。
- NCF-B型適合小型工作物之加工切削用。
- Applicable to CNC lathes, can be used at high speed turning, and is water-proof.
- The shaft is made of alloy steel and through vacuum heat treatment HRC60°±1° .
- The center uses the combination of roller bearing, thrust ball bearing and ball bearing.
- NCF-B type : Long nose live centers are suitable for small workpieces.

單位:mm

訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速 (RPM) Speed Max.	重量(kg) Weight
38520-05	NCF-MT3A	38	50	86	53	30	-	174	60°	0.003	6000	1.3
38520-10	NCF-MT4A	45	60	108	68	32	-	213	60°	0.003	5500	2.5
38520-15	NCF-MT5A	52	70	136	87	40	-	258	60°	0.003	4000	4.7
38520-20	NCF-MT3B	52	50	86	53	25	10	188	60°	0.003	6000	1.3
38520-25	NCF-MT4B	55	60	108	68	32	12	223	60°	0.003	5500	2.5
38520-30	NCF-MT5B	67	70	136	87	40	14	273	60°	0.003	4000	4.7
38520-35	NCFP-MT4	29	64	108	68	32	-	201	60°	0.005	5500	2.8
38520-40	NCFP-MT5	37	70	136	87	40	-	243	60°	0.005	4000	5.0



- 此頂針適用於 C N C 車床，具高轉速使用。
- 使用精密斜角滾珠軸承、滾針軸承及滾珠軸承之組合。
- NCP-B型適合小型工作物之加工切削用。
- Applicable to CNC lathes, can be used at high speed turning, and is water-proof.
- The center uses precision angular contact ball bearing and the combination of needle bearing and ball bearing.
- NCP-B type : Long nose live centers are suitable for small workpieces.

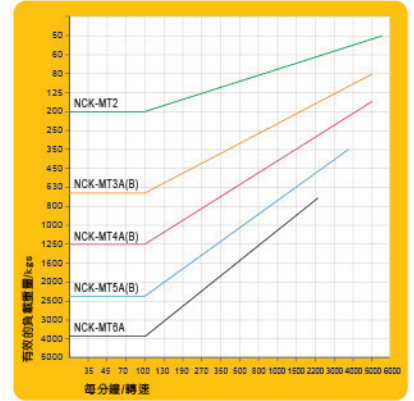
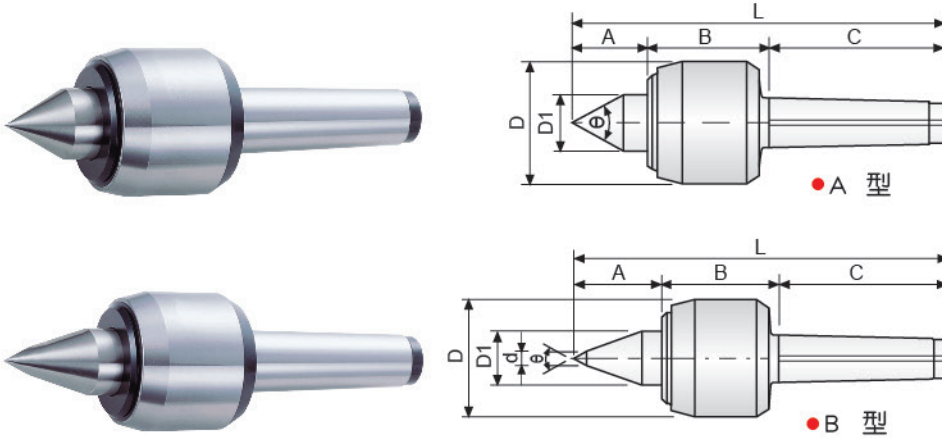
單位:mm

訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38521-05	NCP-MT3A	38	58	86	48	30	-	182	60°	0.003	10000	1.1
38521-10	NCP-MT4A	45	65	108	62	32	-	215	60°	0.003	10000	2.2
38521-15	NCP-MT5A	50	70	136	72	40	-	256	60°	0.003	8000	3.7
38521-20	NCP-MT3B	48	58	86	48	30	10	192	60°	0.003	10000	1.2
38521-25	NCP-MT4B	52	65	108	62	32	12	225	60°	0.003	10000	2.2
38521-30	NCP-MT5B	60	70	136	72	40	14	266	60°	0.003	8000	3.7



38522

高性能頂針 HIGH-PERFORMANCE TYPE CENTER



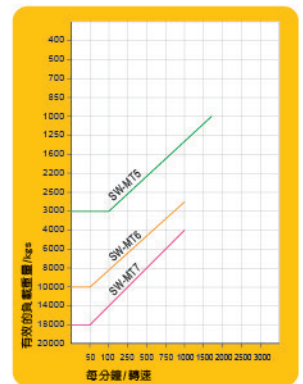
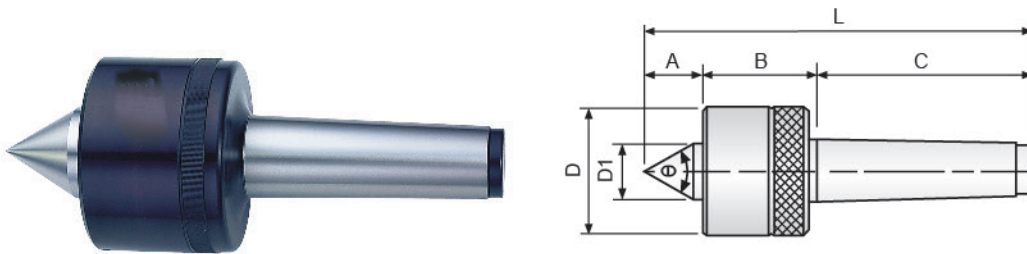
- 此頂針適用於CNC車床，具有防水性。
- 心軸使用合金工具鋼之材質，經真空熱處理HRC60°±1° 具高剛性及耐磨性。
- 使用圓筒滾柱軸承、止推軸承及深溝滾珠軸承之組合。
- NCK-B型適合小型工作物之加工切削用。
- Applicable to CNC lathes with heavy loads. Waterproof design.
- Center shaft is made of alloy steel and hardened through vacuum heat treatment to provide higher rigidity HRC60°±1° .
- The center used the combination of roller bearing, thrust ball bearing and ball bearing.
- NCK-B type : Long nose live centers are suitable for small workpieces.

單位:mm

訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38522-05	NCK-MT2A	20	38	69	32	13	-	127	60°	0.003	6000	0.4
38522-10	NCK-MT3A	34	61	86	58	25	-	181	60°	0.003	5200	1.6
38522-15	NCK-MT4A	44	72	109	76	35	-	225	60°	0.003	5000	3.0
38522-20	NCK-MT5A	60	91	136	95	45	-	287	60°	0.003	3500	6.5
38522-25	NCK-MT6A	64	106	190	120	58	-	360	60°	0.008	2300	15.0
38522-30	NCK-MT3B	45	61	86	58	25	10	192	60°	0.003	5200	1.6
38522-35	NCK-MT4B	55	72	109	76	35	12	236	60°	0.003	5000	3.1
38522-40	NCK-MT5B	70	91	136	95	45	14	297	60°	0.003	3500	6.5

38524

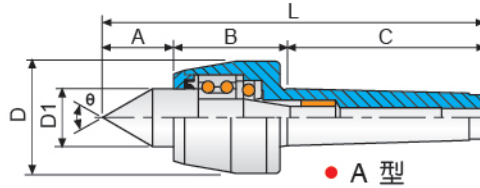
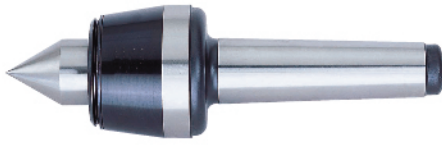
超重負荷頂針 SUPER-LOAD TYPE CENTER



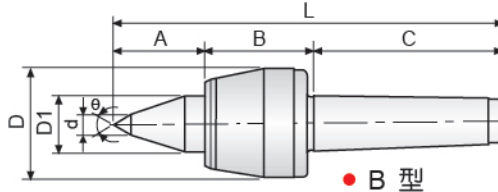
- 此頂針適用於重型車床及較重負荷載使用，具有防水性。
- 心軸使用合金工具鋼之材質，經真空熱處理HRC60°~62°，具高剛性及耐磨性。
- Applicable to heavy duty lathes. Waterproof design.
- Shaft uses alloy steel and hardened through vacuum heat treatment to HRC60°~62°.

單位:mm

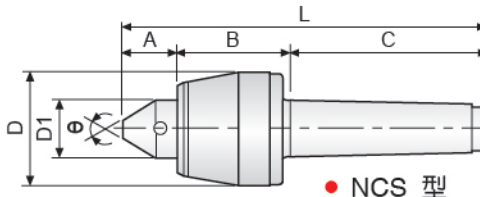
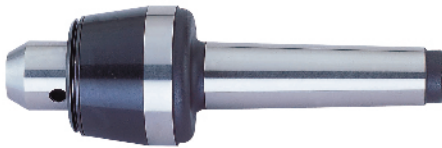
訂購編號 Order No.	型號 Model	A	B	C	D	D1	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38524-05	SW-MT5	52	82	135	98	50	269	60°	0.005	1800	7.5
38524-10	SW-MT6	74	116	190	148	70	380	60°	0.008	1000	22
38524-15	SW-MT7	106	127	260	196	90	493	60°	0.008	1000	41



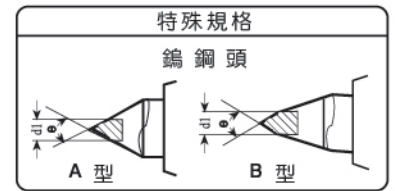
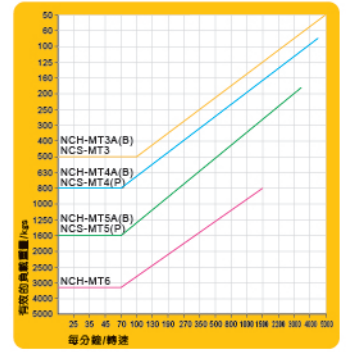
● A 型



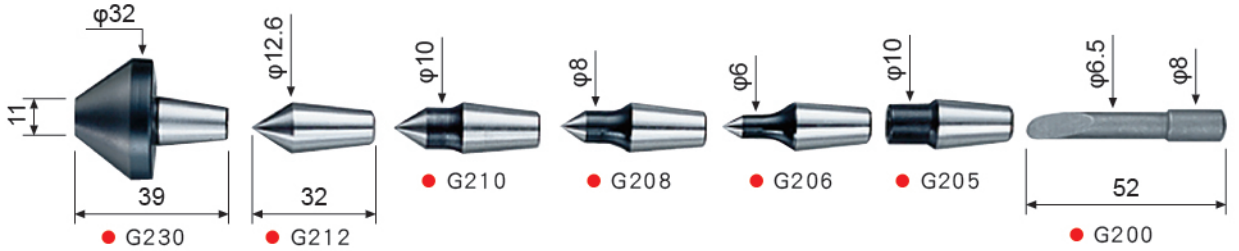
● B 型



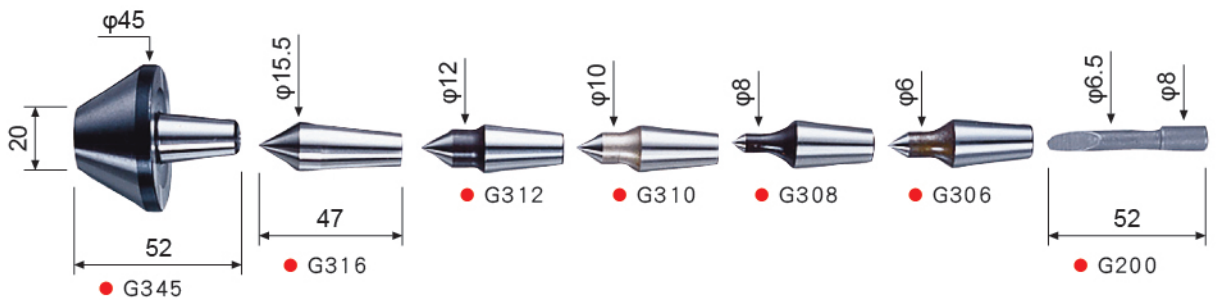
● NCS 型



NCS-MT3
NCS-MT4



NCS-MT4P
NCS-MT5P



- 此頂針適用於CNC車床、中重負荷使用，具有防水性。
- 心軸使用合金工具鋼之材質，經真空熱處理HRC60°±1° 具高剛性及耐磨性。
- 使用雙列滾珠軸承、止推軸承及滾針軸承之組合。
- NCH-B型適合小型工作物之加工切削用。
- Applicable to high speed lathes and CNC lathes with heavy loads. Waterproof design.
- Center shaft is made of alloy steel and hardened through vacuum heat treatment to provide higher rigidity HRC60°±1° .
- Center is fitted with dual ball bearing, thrust bearing and needle roller bearing assembly.
- NCH-B type : Long nose live centers are suitable for small workpieces.

單位:mm

訂購編號 Order No.	型號 Model	A	B	C	D	D1	d	L	θ	精度 Accuracy	最高轉速(RPM) Speed Max.	重量(kg) Weight
38530-03	NCH-MT3A	37	51	86	53	30	-	174	60°	0.003	5000	1.3
38530-06	NCH-MT4A	42	62	108	63	32	-	208	60°	0.003	4500	2.2
38530-09	NCH-MT5A	58	71	136	83	40	-	265	60°	0.003	3500	4.3
38530-12	NCH-MT6A	80	110	189	128	70	10	379	60°	0.006	1500	1.4
38530-15	NCH-MT3B	48	51	86	53	30	12	185	60°	0.003	5000	1.3
38530-18	NCH-MT4B	52	62	108	63	32	14	218	60°	0.003	4500	2.2
38530-21	NCH-MT5B	69	71	136	83	40	-	276	60°	0.005	3500	4.4
38530-24	NCS-MT3	26	51	86	53	30	-	163	60°	0.005	5000	1.8
38530-27	NCS-MT4	30	62	108	63	32	-	196	60°	0.005	4500	2.5
38530-30	NCS-MT4P	30	62	108	63	32	-	196	60°	0.005	4500	2.4
38530-33	NCS-MT5P	33	71	136	83	40	-	238	60°	0.005	3500	5.0



38545

免夾頂針 WORK-DRIVING CENTER



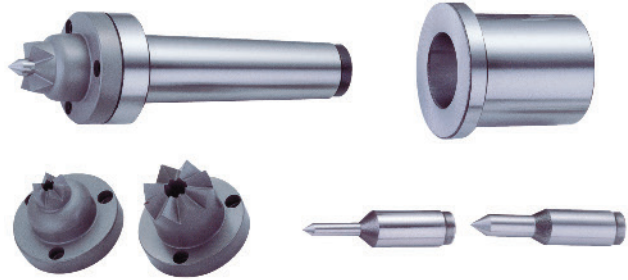
● DK15-MT4



● DK23-MT4



● DK32-MT4



● DKS301-MT4

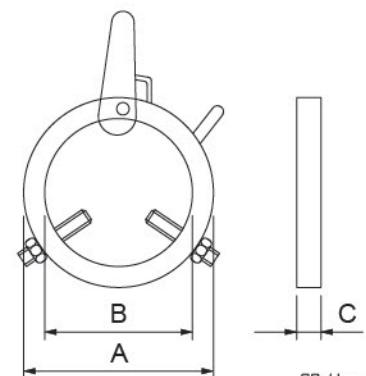
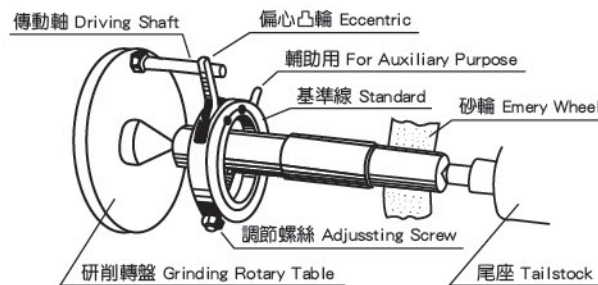
- 此免夾頂針因機械之結構，故障率低，經深冷熱處理HRC60°±1°。
- 以往車床加工使用帶動環來帶動，避免工作物之停止，此款頂針在本體端面有6T及8T之設計來頂住加工面之端面，就可免用帶動環，使加工方便、速度更快。
- 此款免夾頂針可適用於滾齒機械。
- Body and center shaft are made of alloy steel with heat and sub-zero treatment. Hardened : HRC60°±1° .
- Driving dog is required for traditional lathes turning to prevent are either with 6 teeth or 8 teeth design for superseding the driving dogs. It supports the workpiece on end surface for easy setup and rapid machining.
- The work-driving center is also applicable for gear hobbing machine.

單位: mm

訂購編號 Order No.	型號 Model	心軸尺寸 Center Shaft Size	外徑尺寸 Outer Dia	工作範圍 Working Range	重量(kg) Weight
38545-05	DK15-MT4	φ6	φ16	φ16 ~ φ25	0.6
38545-10	DK23-MT4	φ8	φ23	φ23 ~ φ32	0.6
38545-15	DK32-MT4A	φ8	φ32	φ32 ~ φ45	0.7
38545-20	DK32-MT4B	φ14	φ32	φ32 ~ φ45	0.7
38545-25	DKS301-MT4	φ6、φ8、φ10	φ16、φ23、φ30	φ15 ~ φ45	2.6

38580

帶動環 DRIVING CLIPPER



- 適用於圓筒磨床。
- Suitable for grinding shafts.
- 操作輕易簡便。
- Easy setup.

單位: mm

訂購編號 Order No.	型號 Model	A	B	C	使用範圍 Range	重量(kg) Weight
38580-13	DC-13	36	18	9	φ6 ~ φ14	0.06
38580-22	DC-22	48	28	9	φ13 ~ φ24	0.08
38580-30	DC-30	58	38	11	φ20 ~ φ33	0.12
38580-40	DC-40	68	48	11	φ31 ~ φ42	0.14
38580-50	DC-50	78	58	11	φ35 ~ φ50	0.16
38580-60	DC-60	89	68	11	φ40 ~ φ62	0.18
38580-80	DC-80	119	88	13	φ60 ~ φ80	0.46
38580-90	DC-100	140	109	13	φ80 ~ φ100	0.54