



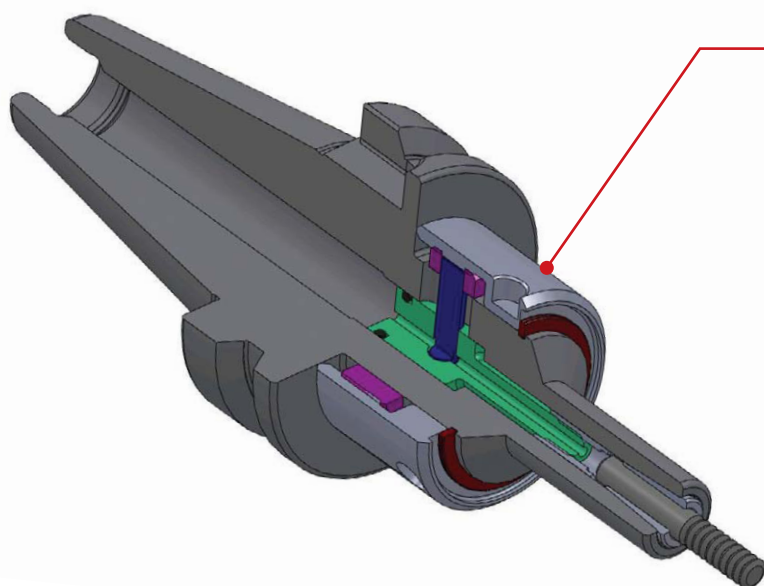
VX mini chuck +

Ultimate performance in finishing



**FRONT LOCKING,
ULTIMATE ACCURACY,
HIGH SPEED**

Features

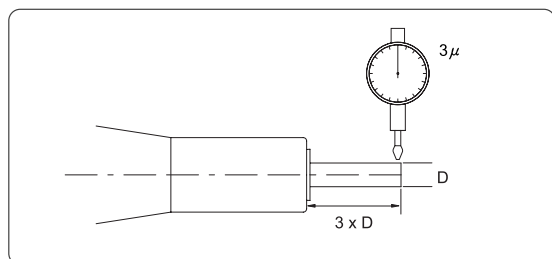


Front locking system

- 4 x the holding power of MX.
Higher radial torque due to Spanner wrench locking.
- Dual collar front locking system pulls straight back with no twisting of collet for consistent run-out.



Ultimate Accuracy



3 μm at 3 x D away from the nose

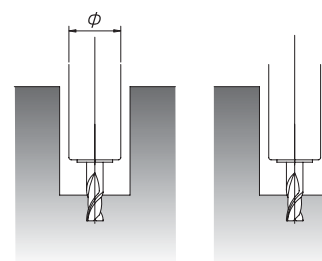
High Speed Capability

Dynamically balanced to G2.5 at 25,000rpm as standard.

Slim & Compact

For hard-to-reach places

Nose diameters,
VX06 ϕ 12.7mm
VX08 ϕ 20.0mm
VX12 ϕ 25.4mm



Minimum Interference



Information

How to use VX

1. Turn locking collar counter-clockwise until it stops by hand.
2. Insert collet and turn clockwise by hand.
3. Turn collet until it stops or reaches 3mm from the face of the chuck by hand.
4. Insert cutter, do not allow the cutter to rest on the bottom, while holding the cutter hand tighten the locking collar clockwise until the locking collar holds the tool.
5. Tighten locking collar to 108N/m Maximum by wrench. Do not over tighten!

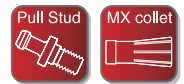
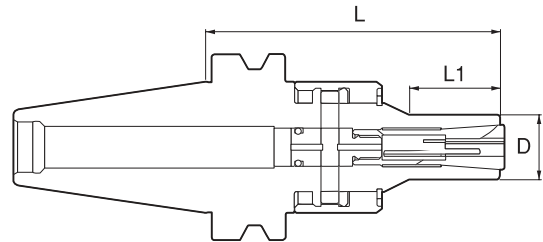




VX mini chuck +

BT / SK


- Front Locking system
- Min. 80% taper fit
- 3 μ m T.I.R. at 3 $\times$ D from nose
- Taper 30 & 40 dynamically balanced to G2.5 at 25,000rpm
Taper 50 dynamically balanced to G2.5 at 20,000rpm
- Center-thru coolant
- DIN AD/B available upon request.
Please add "-D" at the end of Code No. when ordering.
ex) BT40-VX08-100-D



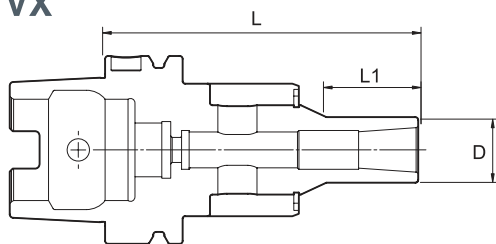
Taper	Code No.	Chucking range	L	L1	ϕ D	Collet
BT30	BT30-VX06-090	2~6	90	34.8	12.7	MX06
	BT30-VX08-092	3~10	92	30.8	20	MX08
BT40	BT40-VX06-100	2~6	100	37.5	12.7	MX06
	BT40-VX06-150	2~6	150	40	12.7	MX06
	BT40-VX08-100	3~10	100	30.8	20	MX08
	BT40-VX08-150	3~10	150	40	20	MX08
	BT40-VX12-110	3~12	110	53.5	25.4	MX12
	BT40-VX12-150	3~12	150	101	25.4	MX12
	BT40-VX12-165	3~12	165	116	25.4	MX12
BT50	BT50-VX08-100	3~10	100	43.5	20	MX08
	BT50-VX08-165	3~10	165	116	20	MX08
	BT50-VX12-100	3~12	100	43.5	25.4	MX12
	BT50-VX12-165	3~12	165	116	25.4	MX12
SK40	SK40-VX06-100	2~6	100	37.5	12.7	MX06
	SK40-VX06-150	2~6	150	40	12.7	MX06
	SK40-VX08-100	3~10	100	30.8	20	MX08
	SK40-VX08-150	3~10	150	40	20	MX08
	SK40-VX12-110	3~12	110	53.5	25.4	MX12
	SK40-VX12-150	3~12	150	101	25.4	MX12
SK50	SK50-VX08-100	3~10	100	43.5	20	MX08
	SK50-VX08-165	3~10	165	116	20	MX08
	SK50-VX12-100	3~12	100	43.5	25.4	MX12
	SK50-VX12-165	3~12	165	116	25.4	MX12



VX mini chuck +

HSK

VX

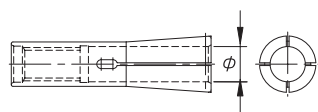


- Min. 80% taper fit
- 3 μ m T.I.R. at 3 $\times$ D from nose
- HSK63A dynamically balanced to G2.5 at 25,000rpm
- Center-thru coolant
- Front Locking system for VX

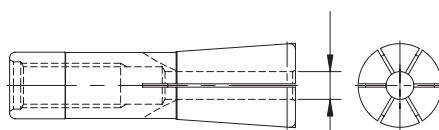
Taper	Holder type	Code No.	Chucking range	L	L1	ϕ D	Collet
HSK 63A	VX	HSK 63A-VX06-100	2~6	100	37.5	12.7	MX06
		HSK 63A-VX06-150	2~6	150	40	12.7	MX06
		HSK 63A-VX08-105	3~10	105	30.8	20	MX08
		HSK 63A-VX08-150	3~10	150	40	20	MX08
		HSK 63A-VX12-115	3~12	115	51	25.4	MX12
		HSK 63A-VX12-150	3~12	150	86	25.4	MX12



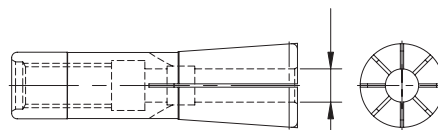
MX collet (for MX / VX)



(Fig 1)



(Fig 2)

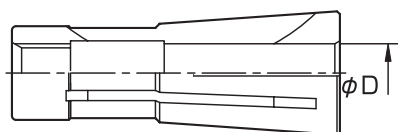


(Fig 3)

Accuracy : 3μm at 4xID

ϕD	MX06		MX08		MX12	
	Code No.	Fig	Code No.	Fig	Code No.	Fig
2	MX06-M020	1		2		2
3	MX06-M030		MX08-M030		MX12-M030	
4	MX06-M040		MX08-M040		MX12-M040	
5	MX06-M050		MX08-M050		MX12-M050	
6	MX06-M060		MX08-M060		MX12-M060	
7			MX08-M070	3	MX12-M070	3
8			MX08-M080		MX12-M080	
9			MX08-M090		MX12-M090	
10			MX08-M100		MX12-M100	
11					MX12-M110	
12					MX12-M120	

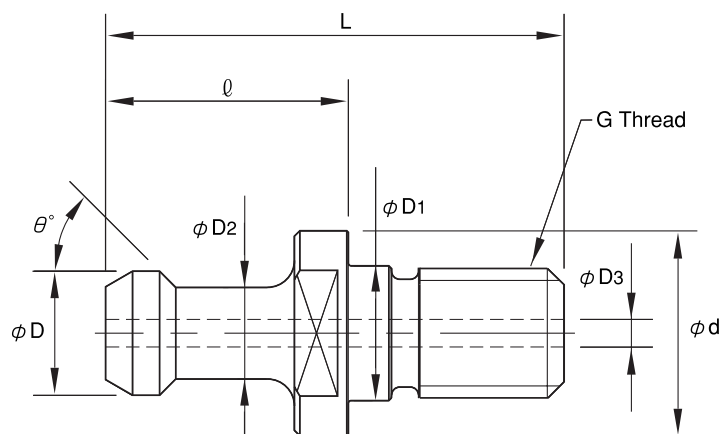
- MX collet with coolant slots is also available for cutting tools without coolant hole.
Please add "J" at the end of Code No. when ordering. ex) MX08-M030J





Pull Studs

Anzugsbolzen
Tirant de Rappel
Codolo di Aggancio



Spindle	Order No.	ϕD	L	l	D2	D1	G	θ°	D3	Note
BT30	HPS-16	11	43	23	7	12.5	M12	45	-	MAS P30T-1
	HPS-16C	11	43	23	7	12.5	M12	45	2.5	HPS-16, Coolant
	HPS-17	11	43	23	7	12.5	M12	60	-	MAS P30T-2
	HPS-17C	11	43	23	7	12.5	M12	60	2.5	HPS-17, Coolant
BT40	HPS- 1	15	60	35	10	17	M16	45	-	MAS P40T-1
	HPS- 2	15	60	35	10	17	M16	60	-	MAS P40T-2
	HPS-806-1	19	54	29	14	17	M16	75	6	JIS B6339, Coolant
	HPS-G51	18.796	44.106	19.106	12.446	17	M16	45	7	Mazak type. Coolant
	HPS-O8	15	60	35	10	17	M16	90	-	90 degree angle type
	HPS-301	15	60	35	11	17	M16	60	-	
	HPS-302	19	54	26	14	17	M16	75	-	DIN69872 without coolant
	HPS-366E-1	19	54	29	14	17	M16	75	7	w/ P-9, S-15 O-ring
	HPS-805	19	54	29	14	17	M16	75	-	JIS B6339-89
	HPS-813-1	19	54	29	14	17	M16	75	6	JIS B6339-89
	HPS-B62-1	19	54	29	14	17	M16	75	4	w/ S15 O-ring
BT50	HPS- 5	23	85	45	17	25	M24	45	-	MAS P50T-1
	HPS- 6	23	85	45	17	25	M24	60	-	MAS P50T-2
	HPS-G41	28.956	65.2	25.2	20.828	25	M24	45	10	
SK30	HPS-122	13	44	24	9	13	M12	75	-	DIN69872 SK30 FORM A
SK40	HPS-302	19	54	26	14	17	M16	75	-	DIN69872 SK40 FORM A
	HPS-309	19	54	26	14	17	M16	75	7	DIN69872 SK40 FORM A Coolant
	HPS-309C	19	54	26	14	17	M16	75	7	DIN69872 SK40 FORM B
	HPS-A1	19	54	26	14	17	M16	75	7	ISO-7388/2-1984-A
	HPS-A4	18.95	44.5	16.4	12.95	17	M16	45	7.35	ISO-7388/2-1984-B
SK50	HPS-581	28	74	34	21	25	M24	75	-	DIN69872 SK50 FORM A
	HPS-512	28	74	34	21	25	M24	75	11.5	DIN69872 SK50 FORM A Coolant
	HPS-512B	28	74	34	21	25	M24	75	11.5	DIN69872 SK50 FORM B
	HPS-A3	28	74	34	21	25	M24	75	11.5	ISO-7388/2-1984-A
	HPS-A6	29.1	65.5	25.55	19.6	25	M24	45	11.55	ISO-7388/2-1984-B

*Other Pull Stud are available upon request.