



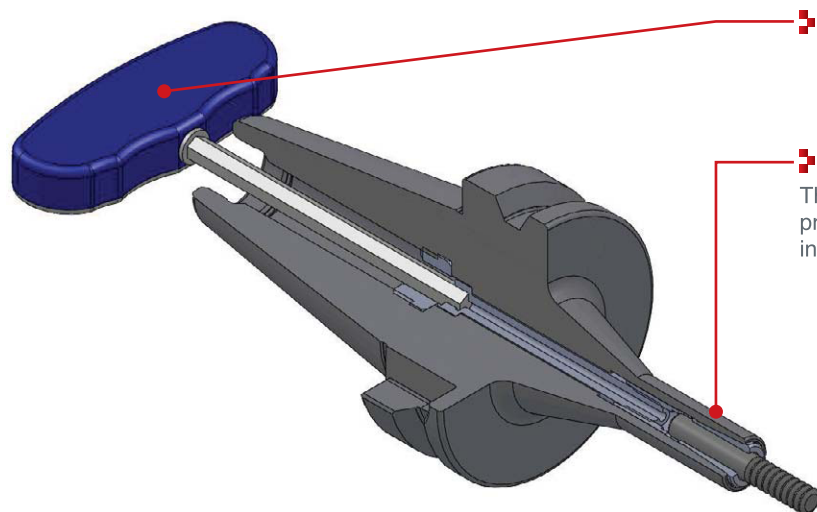
MX mini chuck

Ultimate performance in finishing



***NUT FREE,
ULTIMATE ACCURACY,
HIGH SPEED***

Features

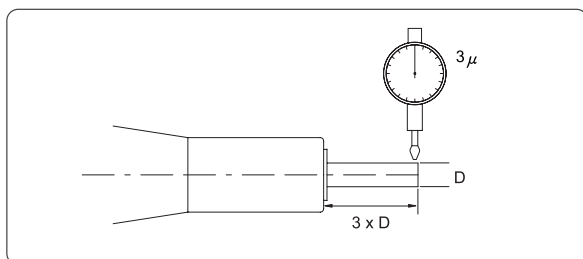


❖ **Rear draw bar locking system**

❖ **Nut Free Design**

The MX nut-free design eliminates collets twist and provides ultra fine run-out. It also provides less interference and excellent holder balance.

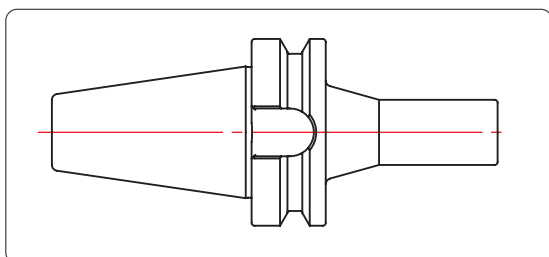
❖ **Ultimate Accuracy**



3 μm at 3 x D away from the nose

❖ **High Speed Capability**

Symmetric & nut-free design
Ideal design for high speed

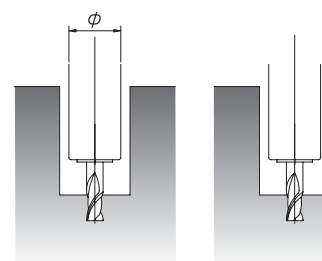


Dynamically balanced to G2.5 at 25,000rpm as standard.

❖ **Slim & Compact**

For hard-to-reach places

Nose diameters,
MX06 ϕ 12.7mm
MX08 ϕ 20.0mm
MX12 ϕ 30.0mm



Minimum Interference

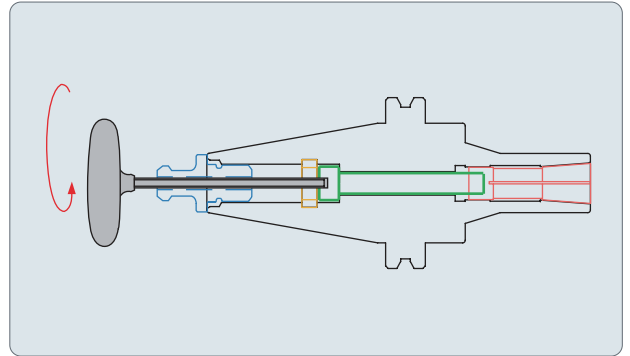
The MX slim & compact design, along with its nut-free system minimizes interference issues and maximizes machining reach capability for those hard to reach places.



Information

How to use MX

1. Clean up the taper bore of the chuck, O.D. and I.D. of MX collet and cutter shank by using air blow.
2. Insert wrench from the back of the holder or through coolant hole of the pull stud. Pull the collet into the chuck by rotating the wrench clockwise. Tightening torque is 42-63 Nm.

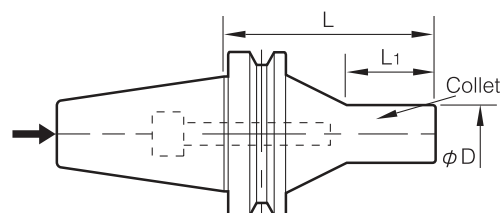




MX mini chuck

BT / SK


- Min. 80% taper fit
- 3 μ m T.I.R. at 3×D from nose
- Taper 30 & 40 dynamically balanced to G2.5 at 25,000rpm
Taper 50 dynamically balanced to G2.5 at 20,000rpm
- High speed machining up to 30,000 RPM
- Center-thru coolant
- DIN AD/B available upon request.
Please add "-D" at the end of Code No. when ordering.
ex) BT40-MX08-085-D



Taper	Code No.	Chucking range	L	L1	φD	Collet
BT30	BT30-MX06-090	2~6	90	31.75	12.7	MX06
	BT30-MX08-090	3~10	90	36	20	MX08
	BT30-MX12-105	3~12	105	35	30	MX12
BT40	BT40-MX06-085	2~6	85	31.75	12.7	MX06
	BT40-MX06-120	2~6	120	31.75	12.7	MX06
	BT40-MX06-150	2~6	150	31.75	12.7	MX06
	BT40-MX08-085	3~10	85	36	20	MX08
	BT40-MX08-120	3~10	120	43	20	MX08
	BT40-MX12-090	3~12	90	35	30	MX12
	BT40-MX12-105	3~12	105	35	30	MX12
BT50	BT50-MX08-105	3~10	105	40	20	MX08
	BT50-MX08-135	3~10	135	43	20	MX08
	BT50-MX08-165	3~10	165	43	20	MX08
	BT50-MX12-105	3~12	105	35	30	MX12
SK40	SK40-MX06-085	2~6	85	31.75	12.7	MX06
	SK40-MX06-120	2~6	120	31.75	12.7	MX06
	SK40-MX06-150	2~6	150	31.75	12.7	MX06
	SK40-MX08-085	3~10	85	36	20	MX08
	SK40-MX08-120	3~10	120	43	20	MX08
	SK40-MX12-090	3~12	90	35	30	MX12
SK50	SK50-MX08-105	3~10	105	40	20	MX08
	SK50-MX12-105	3~12	105	35	30	MX12

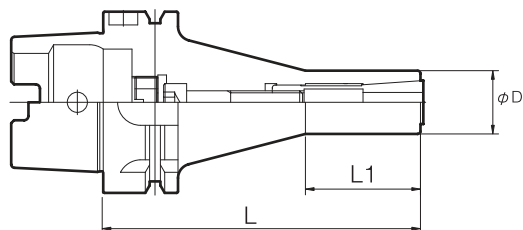
* Wrench is not included. Please order separately.



MX mini chuck

HSK

MX



- Min. 80% taper fit
- 3 μ m T.I.R. at 3×D from nose
- HSK63A dynamically balanced to G2.5 at 25,000rpm
- Center-thru coolant

Taper	Holder type	Code No.	Chucking range	L	L1	φD	Collet
HSK 63A	MX	HSK 63A-MX06-100	2~6	100	45	12.7	MX06
		HSK 63A-MX08-100	3~10	100	40	20	MX08
		HSK 63A-MX12-110	3~12	110	35	30	MX12

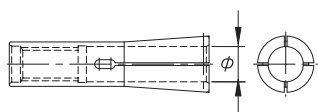
MX Straight shank



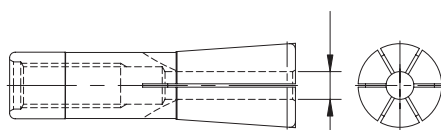
Code No.	Chucking range	φD	L	Collet
S12-MX06-100	2~6	12.7	100	MX06
S12-MX06-150	2~6	12.7	150	MX06
S20-MX08-100	3~10	20	100	MX08
S20-MX08-150	3~10	20	150	MX08
S25-MX12-150	3~12	25	150	MX12



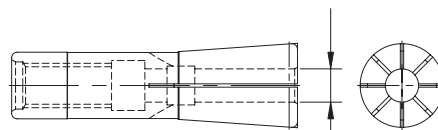
MX collet (for MX / VX)



(Fig 1)



(Fig 2)

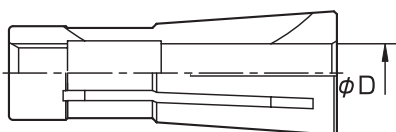


(Fig 3)

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	

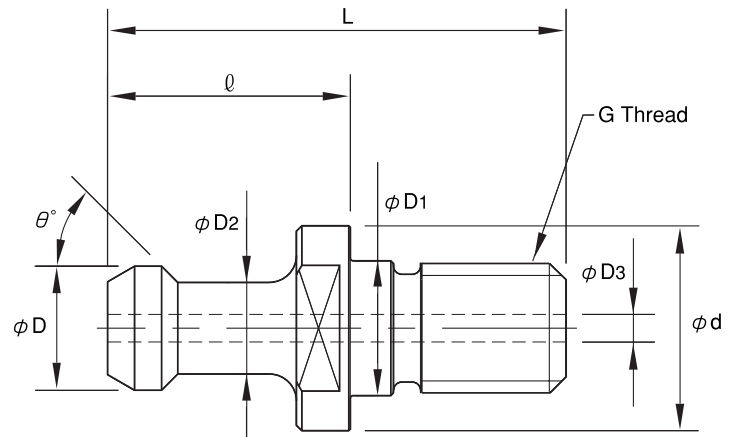
- MX collet with coolant slots is also available for cutting tools without coolant hole.
Please add "J" at the end of Code No. when ordering. ex) MX08-M030J





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.