

EM · A

End Mill Chuck

BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS

Specialized Machine

Related Equipment

Bush & Chamfering Drill

Sub Holder

Tapping Chuck
Tap Adapter

Adjustable Adapter

Endmill Chuck

Straight Drill Chuck
Floating Holder

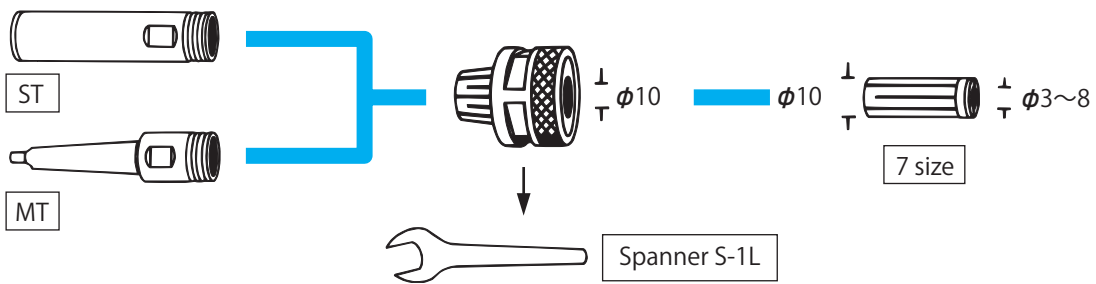
System Chart

19 series

Shank (φ 3 ~ 10)

Nut with φ 10.0 collet (EMP-19A)

Straight collet



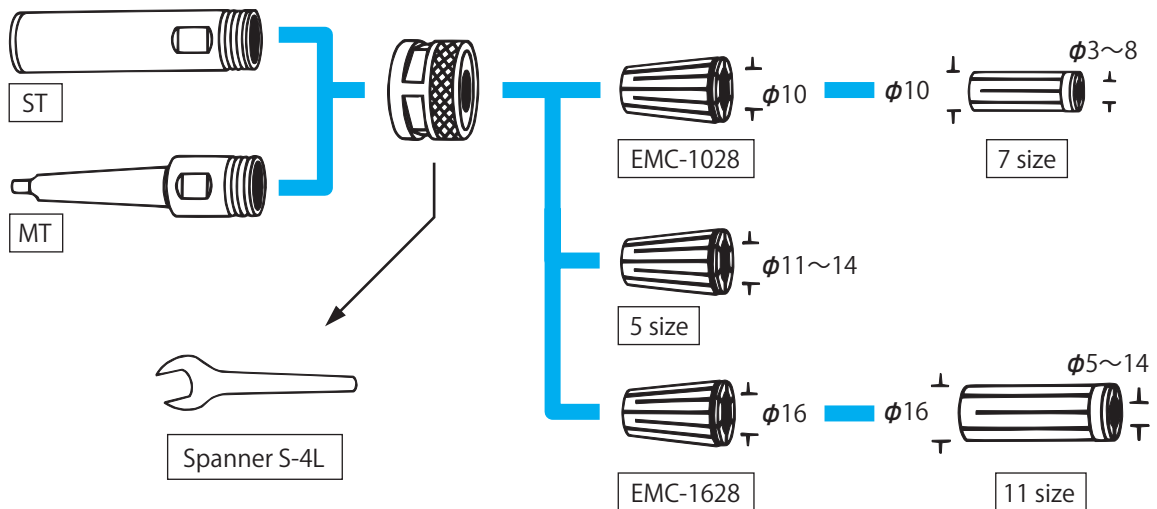
28 series

Shank (φ 3 ~ 16)

Nut (EMP-28A)

Taper collet

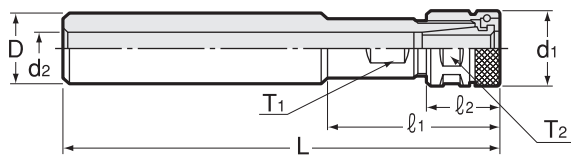
Straight collet



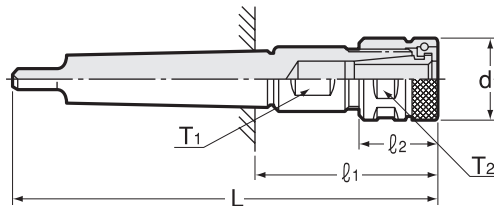
Applications

1. Small diameter end milling
2. Extension for milling chuck

Straight shank



MT shank



Code	Model	Series	Chucking Range	D _{h7}	MT	d1	d2	L	ℓ 1	ℓ 2	T1	T2	kg	Nut
0041 01101619	EM -1619A	19	3 ~ 10	16	—	26	7.5	100	50	20	17	24	0.17	EMP-19A (with φ10 collet)
0041 01102019	-2019A	19	3 ~ 10	20	—	26	11.5	125	50	20	17	24	0.23	EMP-19A (with φ10 collet)
0041 01102219	-2219A	19	3 ~ 10	22	—	26	11.5	125	50	20	17	24	0.27	EMP-19A (with φ10 collet)
0041 01102519	-2519A	19	3 ~ 10	25	—	26	11.5	150	50	20	17	24	0.41	EMP-19A (with φ10 collet)
0041 01103219	-3219A	19	3 ~ 10	32	—	26	11.5	150	65	20	22	24	0.65	EMP-19A (with φ10 collet)
0041 01104219	-4219A	19	3 ~ 10	42	—	26	11.5	175	80	20	22	24	1.20	EMP-19A (with φ10 collet)
0041 01100119	-T119A	19	3 ~ 10	—	1	26	—	120	58	20	17	24	0.16	EMP-19A (with φ10 collet)
0041 01100219	-T219A	19	3 ~ 10	—	2	26	—	150	75	20	17	24	0.27	EMP-19A (with φ10 collet)
0041 01100319	-T319A	19	3 ~ 10	—	3	26	—	180	86	20	17	24		EMP-19A (with φ10 collet)
0041 01102028	EM -2028A	28	3 ~ 16	20	—	36	11.5	125	60	25	27	33	0.34	EMP-28A
0041 01102228	-2228A	28	3 ~ 16	22	—	36	11.5	125	60	25	27	33		EMP-28A
0041 01102528	-2528A	28	3 ~ 16	25	—	36	17.5	150	60	25	27	33	0.4	EMP-28A
0041 01125428	-25428A	28	3 ~ 16	25.4	—	36	17.5	150	60	25	27	33		EMP-28A
0041 01103028	-3028A	28	3 ~ 16	30	—	36	17.5	150	60	25	27	33	0.55	EMP-28A
0041 01131728	-317528A	28	3 ~ 16	31.75	—	36	17.5	150	60	25	27	33		EMP-28A
0041 01103228	-3228A	28	3 ~ 16	32	—	36	17.5	150	60	25	27	33	0.62	EMP-28A
0041 01103528	-3528A	28	3 ~ 16	35	—	36	17.5	175	60	25	27	33		EMP-28A
0041 01104228	-4228A	28	3 ~ 16	42	—	36	17.5	175	60	25	27	33	1.24	EMP-28A
0041 01100228	-T228A	28	3 ~ 16	—	2	36	—	150	75	25	27	33		EMP-28A
0041 01100328	-T328A	28	3 ~ 16	—	3	36	—	180	86	25	27	33	0.58	EMP-28A
0041 01100428	-T428A	28	3 ~ 16	—	4	36	—	205	87.5	25	27	33		EMP-28A

1. Complete with nut.
2. Collet and spanner are sold separately. (Please refer to the subsequent page.)

Ordering Example

EM - 20 28A
Size Min. boring dia. 28 series

- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Sub Holder
- Tapping Chuck
- Tap Adapter
- Adjustable Adapter
- Endmill Chuck
- Straight Drill Chuck
- Floating Holder

Accessories

Straight collet for 19 series and 28 series EMS

Code	Model	I.D.
0070 01010030	EMS -0310	3.0
0070 01010035	-03510	3.5
0070 01010040	-0410	4.0
0070 01010050	-0510	5.0
0070 01010060	-0610	6.0
0070 01010077	-07710	7.7
0070 01010080	-0810	8.0

Straight collet for 28 series EMS

Code	Model	I.D.
0070 01016050	EMS -0516	5.0
0070 01016060	-0616	6.0
0070 01016077	-07716	7.7
0070 01016080	-0816	8.0
0070 01016090	-0916	9.0
0070 01016100	-1016	10.0
0070 01016110	-1116	11.0
0070 01016120	-1216	12.0
0070 01016125	-12516	12.5
0070 01016130	-1316	13.0
0070 01016140	-1416	14.0



Taper collet

Code	Model	I.D.
0070 01028100	EMC -1028	10.0
0070 01028110	-1128	11.0
0070 01028120	-1228	12.0
0070 01028125	-12528	12.5
0070 01028130	-1328	13.0
0070 01028140	-1428	14.0
0070 01028160	-1628	16.0

Spanner



Code	Model	Nut
0803 00000011	S-1L	EMP-19A
0803 00000014	S-4L	EMP-28A

Set for 19 series

19 Sries	Code	Shank	SET	Nut with collet		Straight collet					
				EMP-19A	EMS-0810	EMS-0610	EMS-0510	EMS-0410	EMS-0310		
				φ 10	φ 8	φ 6	φ 5	φ 4	φ 3		
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">S T R A I G H T</p>	0040 01016191	EM -1619A	B	Yes	Yes	Yes					
	0040 01016192	-1619A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01020191	-2019A	B	Yes	Yes	Yes					
	0040 01020192	-2019A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01022191	-2219A	B	Yes	Yes	Yes					
	0040 01022192	-2219A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01025191	-2519A	B	Yes	Yes	Yes					
	0040 01025192	-2519A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01032191	-3219A	B	Yes	Yes	Yes					
	0040 01032192	-3219A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01042191	-4219A	B	Yes	Yes	Yes					
	0040 01042192	-4219A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">M O R S E T A P E R</p>	0040 01001191	EM -T119A	B	Yes	Yes	Yes					
	0040 01001192	-T119A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01002191	-T219A	B	Yes	Yes	Yes					
	0040 01002192	-T219A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	0040 01003191	-T319A	B	Yes	Yes	Yes					
	0040 01003192	-T319A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Each set completes with a spanner and collets marked "Yes" .

Set for 28 series

28 Sries	Code	Shank	SET	Nut EMP-28A	Taper collet	Straight collet				
					EMC-1628	EMS-1216	EMS-1016	EMS-0816	EMS-0616	EMS-0516
					φ 16	φ 12	φ 10	φ 8	φ 6	φ 5
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">S T R A I G H T</p>	0040 01020281	EM -2028A	B	Yes	Yes	Yes	Yes			
	0040 01020282	-2028A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01022281	-2228A	B	Yes	Yes	Yes	Yes			
	0040 01022282	-2228A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01025281	-2528A	B	Yes	Yes	Yes	Yes			
	0040 01025282	-2528A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01025421	-25428A	B	Yes	Yes	Yes	Yes			
	0040 01025422	-25428A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01030281	-3028A	B	Yes	Yes	Yes	Yes			
	0040 01030282	-3028A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01031751	-317528A	B	Yes	Yes	Yes	Yes			
	0040 01031752	-317528A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01032281	-3228A	B	Yes	Yes	Yes	Yes			
	0040 01032282	-3228A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01035281	-3528A	B	Yes	Yes	Yes	Yes			
	0040 01035282	-3528A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
0040 01042281	-4228A	B	Yes	Yes	Yes	Yes				
0040 01042282	-4228A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">M O R S E T A P E R</p>	0040 01002281	EM -T228A	B	Yes	Yes	Yes	Yes			
	0040 01002282	-T228A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01003281	-T328A	B	Yes	Yes	Yes	Yes			
	0040 01003282	-T328A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	0040 01004281	-T428A	B	Yes	Yes	Yes	Yes			
	0040 01004282	-T428A	C	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Each set completes with a spanner and collets marked "Yes" .

Ordering Example

EM - 20 19A - C
 Shank size 19 series C set

- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Sub Holder
- Tapping Chuck
- Tap Adapter
- Adjustable Adapter
- Endmill Chuck
- Straight Drill Chuck
- Floating Holder