

Straight Drill Chuck D C

We offer you a wide range of straight drill chucks, which can reduce tool cost.

Application

Special purpose machines
Transfer machines
Machining centers
NC lathes
Automatic lathes
Drilling machines, etc.

Feature

Large Range of Shanks

Model DC in many trapezoidal shanks are available for 2.8-22.0mm diameter shanks.

Model ED-A in many straight shanks are available for 2.8-16.0mm diameter shanks.

In addition, small 0.5- 7.0mm capacity chucks are

No Rust Special Surface

No rust under normal use conditions.
No deterioration of precision due to rust.
Minimum maintenance required.

Secure Gripping Tools will not slip.

Drill shanks are securely and evenly gripped by EDC

Reduction of Setup Time Easy collet change.

Simply loosen the cap, and the drill can be easily removed from the drill chuck. The Straight drill chucks can be turned into a quick change tooling system by combination use with

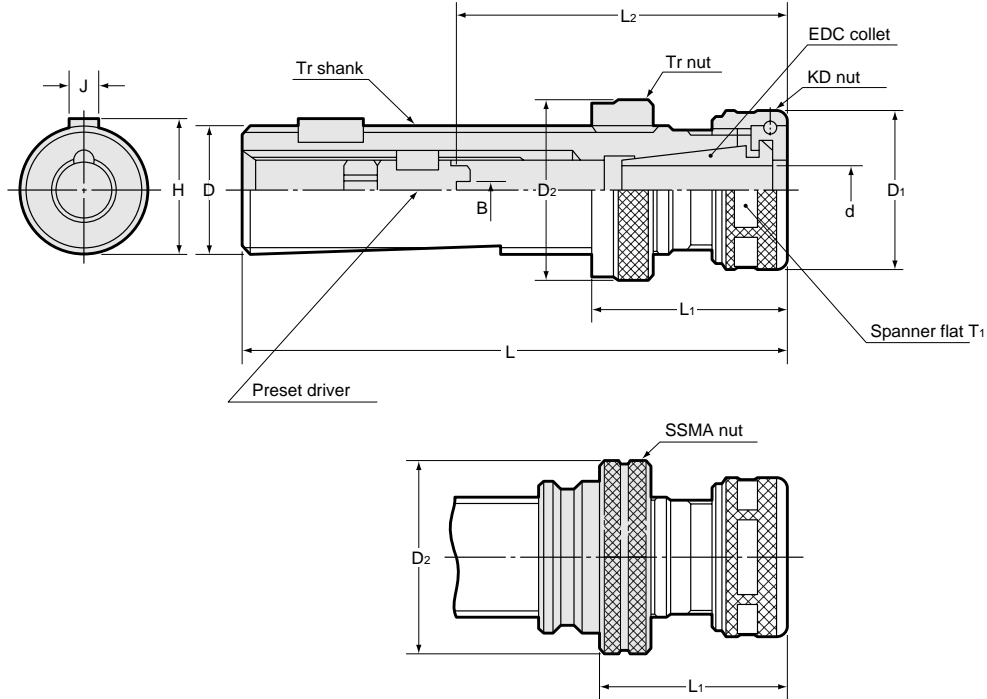
Reduction of Tool Cost

Inexpensive straight shank drills can replace morse taper



Straight Drill Chuck D C

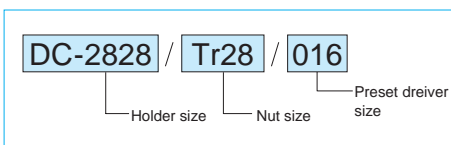
Tr Shank



Part Number	D h ₆	Chucking range d	B	L ₂	Preset driver	L	D ₁	D ₂	L ₁	H	J	T ₁
DC-1619 / Tr16 SSMA16	16	2.8 ~ 9	0	18 ~ 58	DCS -009 -409	103	26	25	35 ~ 50	17.1	5	24
			4	31 ~ 71				26	32 ~ 47			
DC-2019 / Tr20 SSMA20	20	2.8 ~ 12	0	18 ~ 58	DCS -009 -409	108	26	32	35 ~ 50	21.1	6	30
			4	31 ~ 71				33	32 ~ 47			
DC-2524 / Tr25 SSMA25	25	4 ~ 16	0	23 ~ 63	DCS -012 -512	118	32	37	38 ~ 63	26.5	33	33
			5	33 ~ 73				40	36 ~ 61			
DC-2828 / Tr28 SSMA28	28	4 ~ 16	0	28 ~ 78	DCS -016 -516	122	36	40	40 ~ 68	29.5	36	33
			5	43 ~ 93				42	38 ~ 66			
DC-3228 / Tr32 SSMA32	32	4 ~ 22	0	28 ~ 78	DCS -016 -516	143	46	45	40 ~ 68	33.5	8	42
			5	43 ~ 93				47	36 ~ 64			
DC-3636 / Tr36 SSMA36	36	4 ~ 22	0	29 ~ 89	DCS -022 -522 -622 -822	143	46	50	45 ~ 80	37.5	8	42
			5	48 ~ 108				54	41 ~ 76			
			6	48 ~ 108								
			8	48 ~ 108								

All dimensions shown in

Ordering Example



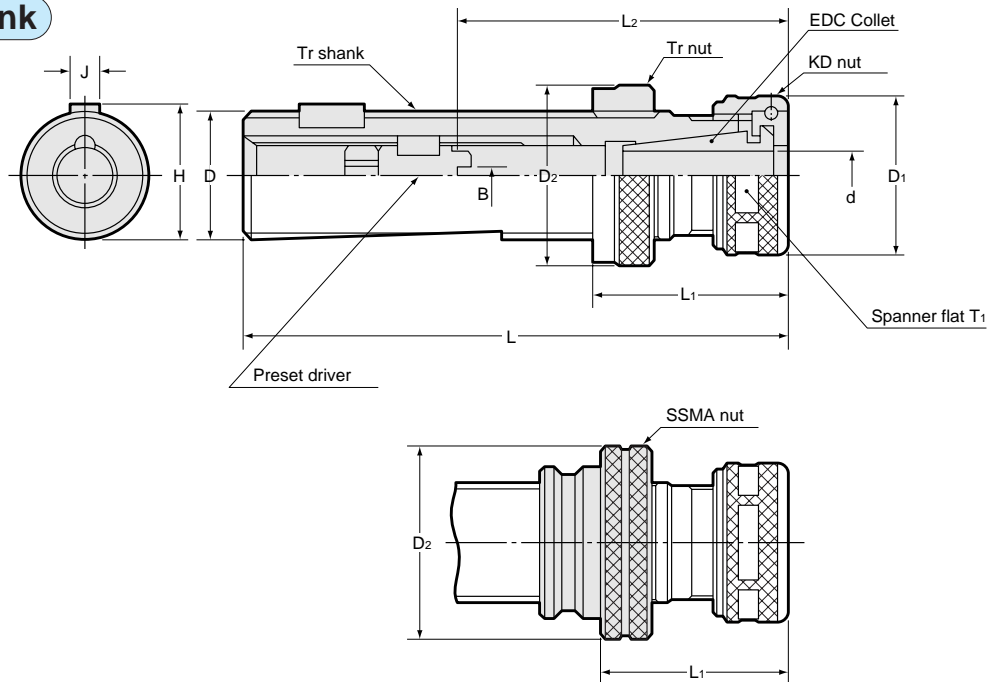
Collet and spanner wrench are sold separately.

Part Number	Nut	Collet	Spanner wrench
-1619	KDP-1916	EDC-d19	S-1L
-2019			
-2524	KDP-2422	EDC-d24	S-3L
-2828	KDP-2825	EDC-d28	S-4L
-3228	KDP-3632	EDC-d36	S-5L
-3636			

Straight Drill Chuck

DC - T . N Series

Tr Shank



Part Number	D h ₆	Chucking range d	B	L ₂	Preset Driver	L	D ₁	D ₂	L ₁	H	J	T ₁				
DC-1619N / Tr16N SSMA16N(x2)	16	2.8 ~ 9	0	18 ~ 58	DCS -009	103	26	25	35 ~ 50	17.5	4	24				
			4	31 ~ 71				-409	26				32 ~ 47			
DC-1619T / Tr16x2 SSMA16(x2)	16		0	18 ~ 58	DCS -009			103	26	25	35 ~ 50		17.0	3	24	
			4	31 ~ 71						-409	26					32 ~ 47
DC-1919T / Tr19 SSMA19-20	19	2.8 ~ 9	0	18 ~ 58	DCS -009	108	26	32	35 ~ 50	21.0	5	30				
			4	31 ~ 71				-409	33				32 ~ 47			
DC-2019N / Tr20N SSMA20N	20		2.8 ~ 12	0	18 ~ 58			DCS -009	118	32	32		35 ~ 50	22.0	5	30
				4	31 ~ 71						-409		33			
DC-2224T / Tr22 SSMA22	22	2.8 ~ 12		0	23 ~ 63	DCS -012	108	32			32	38 ~ 63	24.0	7	30	
				5	33 ~ 73						-512	37				
DC-2424N / Tr24N SSMA24-25N	24		2.8 ~ 12	0	23 ~ 63	DCS -012			108	32	40	36 ~ 61	26.0	7		30
				5	33 ~ 73						-512	40				
DC-2624N / Tr26N SSMA26-28N	26	2.8 ~ 12		0	23 ~ 63	DCS -012	122	36			40	38 ~ 63	28.6	7	30	
				5	33 ~ 73						-512	42				
DC-2624T / Tr26 SSMA26-28	26		2.8 ~ 12	0	23 ~ 63	DCS -012			122	36	40	38 ~ 63	28.0	5		30
				5	33 ~ 73						-512	42				
DC-3028N / Tr30N SSMA30-36N	30	4 ~ 16		0	28 ~ 78	DCS -016	143	46			45	40 ~ 68	32.6	33	42	
				5	43 ~ 93						-516	54				
			6	43 ~ 93	-616											
DC-3536T / Tr35 SSMA35-36	35		4 ~ 22	0	29 ~ 89	DCS -022			143	46	50	45 ~ 80	38.0	7		42
				5	48 ~ 108						-522					
				6	48 ~ 108						-622	54	41 ~ 76			
		8		48 ~ 108	-822											
DC-3636N / Tr36N SSMA36N	36	4 ~ 22		0	29 ~ 89	DCS -022	143	46			50	45 ~ 80	39.2	10	42	
				5	48 ~ 108						-522					
			6	48 ~ 108	-622											
			8	48 ~ 108	-822				54	41 ~ 76						

Note

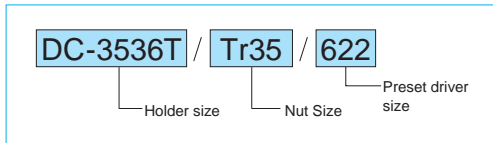
Contact NTUSA if you plan to use NT straight drill chuck with SSMA nut as a

All dimensions shown in

Straight Drill Chuck

DC - T . N Series

Ordering Example

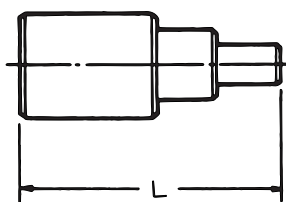


Collet and spanner wrench are sold separately.

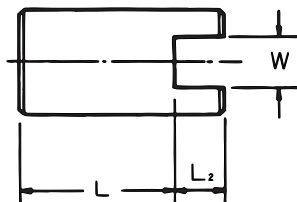
Holder	Nut	Collet	Spanner wrench	
DC	-1619N	KDP-1916	EDC-d19	S-1L
	-1619T			
	-1919T			
	-2019N			
	-2224T	KDP-2422	EDC-d24	S-3L
	-2424N			
	-2624N			
	-2624T			
	-3028N	KDP-2825	EDC-d28	S-4L
	-3536T	KDP-3632	EDC-d36	S-5L
-3636N				

Preset Driver

Type 1 (w/o tang)



Type 2 (w/tang)



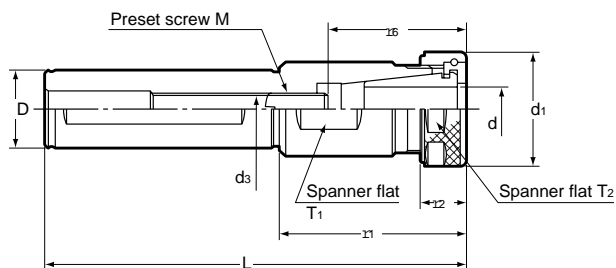
Part Number	Holder Sizes	Type	W ^{+0.3} / _{+0.2}	L	L ₂	
DCS	DC-1619, 1619N, 1619T 1919T, 2019, 2019N	1	—	28.3	—	
		2	4	15.3	3.5	
	DC-2224T, 2424N 2524, 2624T, 2624N	1	—	29.0	—	
		2	5	19.5	3.5	
	DC-2828 3028N 3228	1	—	35.0	—	
		2	5	20.0	4.0	
			6	20.0	4.0	
	DC-3536T 3636 3636N		1	—	46.5	—
			2	5	27.5	4.0
				6	27.5	4.0
				8	27.5	4.0

All dimensions shown in

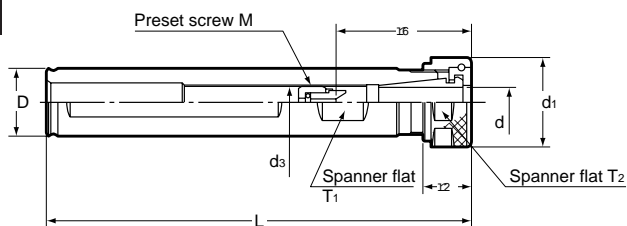
Straight Drill Chuck ED - A

Straight Shank

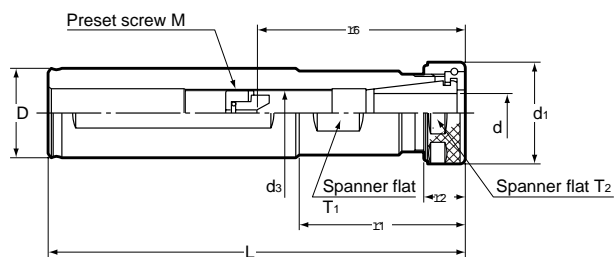
Type 1



Type 2



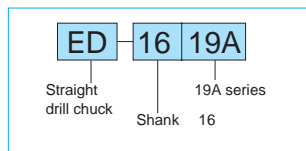
Type 3



Part Number	Chucking range d	Type	D _{h6}	L	d ₁	r ₁	r ₂	M	d ₃	r ₆	T ₁	T ₂	
ED -1619A -2019A -2219A -2519A -25419A -317519A -3219A	2.8 ~ 9	1	16					M8	6.8	30 ~ 40	17	24	
		2	20										
		3	22	125		50			M10	9.3			30 ~ 60
			25		26		14						
			25.4										
			31.75	150		60							
ED -2028A -2228A -2528A -25428A -317528A -3228A -4028A -4228A	4 ~ 16	1	20					M10	8.7	43 ~ 55	27	33	
			22										
			25	135		60							
			25.4		36		15						
		3	31.75	150				M17	16.3	43 ~ 75			
			32										
			40	175		75							
			42										

All dimensions shown in

Ordering Example



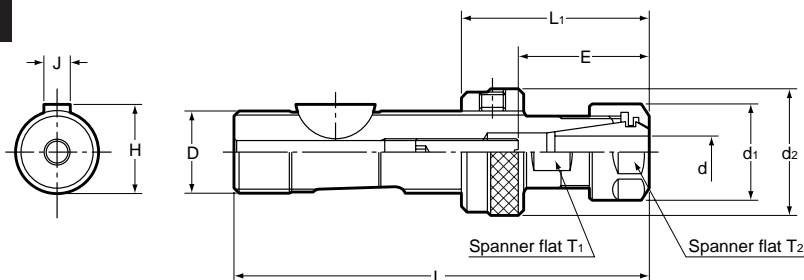
Holder size	Nut	Collet	Spanner wrench
ED-○○○ 19A All size	KDP-1916	EDC-d19	S-1L
ED-○○○ 28A All size	KDP-2825	EDC-d28	S-4L

Straight Drill Chuck

ED Small Drilling

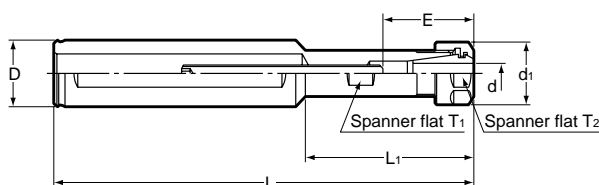
Type 1

(Tr Shank)



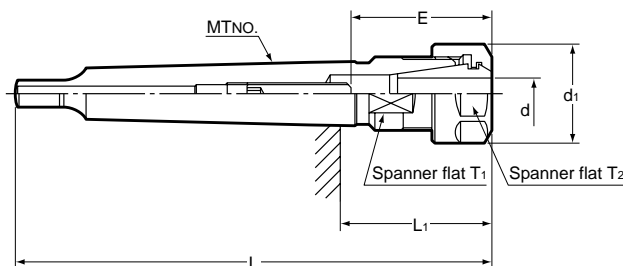
Type 2

(Straight Shank)



Type 3

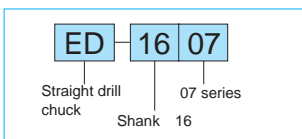
(MT Shank)



Part Number	Chucking range d	Type	D _{h6}	MT	L	d ₁	d ₂	E	L ₁	H ₀ ^{-0.2}	J _{h9}	T ₁	T ₂	Collet	
ED -Tr1007/Tr10	0.5 ~ 7	1	10	—	—	18	18 ~ 31(21)	—	—	10.9	—	—	—	FDC-d07 A	
			—	—	72	—	—	—	32 ~ 42	—	3	—	—		
			12	—	—	20	—	—	—	—	12.9	—	—		
ED -Tr1207/Tr12	0.5 ~ 7	2	—	80	—	25	—	—	35 ~ 45	17.1	5	—	FDC-d07 A		
			16	—	—	18 ~ 31	—	—	—	—	—	12			17
			—	—	19	—	—	—	—	—	—	—			—
ED -1607	0.5 ~ 7	3	—	—	125	—	—	—	50	—	—	—		FDC-d07 A	
			—	—	20	—	—	—	—	—	—	—			—
ED -2007	0.5 ~ 7	3	—	0	85.5	—	18 ~ 31(21)	—	—	—	—	—			FDC-d07 A
			—	—	1	91.5	—	18 ~ 31	—	—	—	—	—		
ED -T007	0.5 ~ 7	3	—	—	—	—	—	—	29	—	—	—	FDC-d07 A		
			—	—	—	—	—	—	—	—	—	—			
ED -T107	0.5 ~ 7	3	—	—	—	—	—	—	—	—	—	—		FDC-d07 A	
			—	—	—	—	—	—	—	—	—	—			

E dimension in bracket is valid only when the tool shank is 5.1mm or bigger.
All dimensions shown in millimeters.

Ordering Example



Straight Drill Chuck

ED Small Drilling

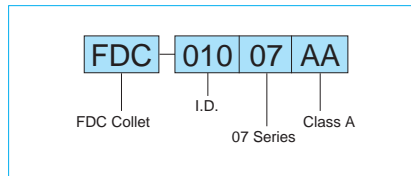
FDC Collet

Tool's shank	FDC-d07
1.0 ~ 0.5	FDC-01007
1.5 ~ 1.0	FDC-01507
2.0 ~ 1.5	FDC-02007
2.5 ~ 2.0	FDC-02507
3.0 ~ 2.5	FDC-03007
3.5 ~ 3.0	FDC-03507
4.0 ~ 3.5	FDC-04007
4.5 ~ 4.0	FDC-04507
5.0 ~ 4.5	FDC-05007
5.5 ~ 5.0	FDC-05507
6.0 ~ 5.5	FDC-06007
6.5 ~ 6.0	FDC-06507
7.0 ~ 6.5	FDC-07007

Note

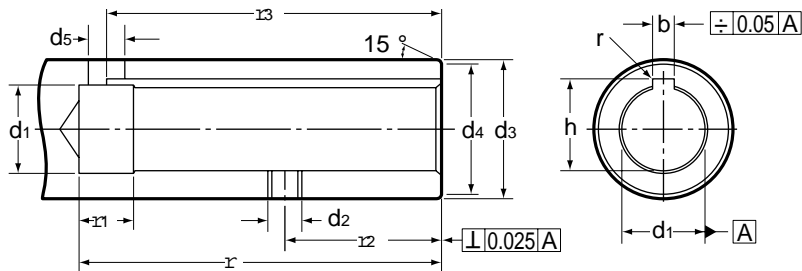
To clamp 1.0 tool shank, there are 2 collets, 1.0 and 1.5. We recommend you to choose 1.0 collet for higher

Ordering Example



Special Spindle Standard

(for FDC-07 series only)



Size	dH6	r (min)	d1	d2	d3g6	d4	d5	r1	r2 ±0.1	r3	b		h ^{+0.1} ₀
											Datum dimension	Tolerance	
1 0	10	41	10.6	M5	18	17.4	5	8	14	37	3	+0.12 +0.06	11
1 2	12	41	12.6	M5	20	19.2	5	8	14	37	3	+0.12 +0.06	13
1 6	16	46	16.6	M6	25	24	6	8	16	42	5	+0.145 +0.07	17.3

The special spindle dimension shown above is different from DIN standard.
All dimensions shown in millimeters.