



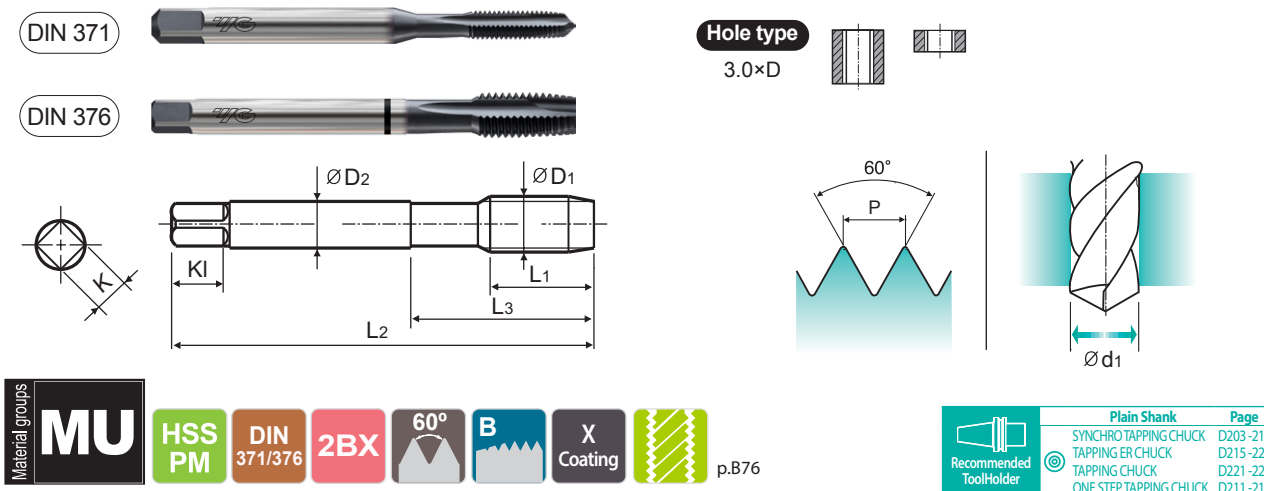
TRJ17 SERIES

UNC Unified Coarse Threads
 Unified Grobgewinde
 UNC
 Unificato passo fine

Machine taps
 Maschinengewindebohrer

- ▶ High performance on various ductile materials
- ▶ Specially designed to prevent oversized threads and reduce gauging problems

- ▶ Ausgezeichnete Leistung bei verschiedenen Werkstoffen.
- ▶ Speziell entwickelt, um zu große Gewindedurchmesser zu vermeiden und Messprobleme zu reduzieren.



Plain Shank Page
 SYNCHRO TAPPING CHUCK D203-210
 TAPPING ER CHUCK D215-220
 TAPPING CHUCK D221-228
 ONE STEP TAPPING CHUCK D211-213
 Recommended ToolHolder

Unit : mm

SIZE	TPI	EDP No.	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1		X-coating	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4 - 40 UNC		TRJ17162GS	11.0	56.0	18.0	3.5	2.7	6.0	2	2.30
#5 - 40 UNC		TRJ17202GS	11.0	56.0	18.0	3.5	2.7	6.0	3	2.60
#6 - 32 UNC		TRJ17242GS	12.0	56.0	20.0	4.0	3.0	6.0	3	2.80
#8 - 32 UNC		TRJ17282GS	13.0	63.0	21.0	4.5	3.4	6.0	3	3.40
#10 - 24 UNC		TRJ17322GS	15.0	70.0	25.0	6.0	4.9	8.0	3	3.90
#12 - 24 UNC		TRJ17362GS	16.0	80.0	30.0	6.0	4.9	8.0	3	4.50
1/4 - 20 UNC		TRJ17402GS	17.0	80.0	30.0	7.0	5.5	8.0	3	5.10
5/16 - 18 UNC		TRJ17442GS	20.0	90.0	35.0	8.0	6.2	9.0	3	6.60
3/8 - 16 UNC		TRJ17482GS	22.0	100.0	39.0	9.0	7.0	10.0	3	8.00
7/16 - 14 UNC		TRJ17522GS	22.0	100.0	40.0	8.0	6.2	9.0	3	9.40
1/2 - 13 UNC		TRJ17562GS	25.0	110.0	44.0	9.0	7.0	10.0	3	10.80
9/16 - 12 UNC		TRJ17602GS	26.0	110.0	44.0	11.0	9.0	12.0	3	12.20
5/8 - 11 UNC		TRJ17642GS	27.0	110.0	44.0	12.0	9.0	12.0	3	13.60
3/4 - 10 UNC		TRJ17702GS	30.0	125.0	50.0	14.0	11.0	14.0	3	16.50
7/8 - 9 UNC		TRJ17742GS	32.0	140.0	54.0	18.0	14.5	17.0	3	19.50
1 - 8 UNC		TRJ17782GS	36.0	160.0	60.0	20.0	16.0	19.0	3	22.20

▶DIN371 (#4~3/8) and DIN376 (7/16~1)

◎ : Excellent ○ : Good

ISO	P										M				K					
	Non-alloy steel					Low alloy steel					High alloyed steel, and tool steel		Stainless steel		Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc	13	25	28	32	30	10	29	32	38	15	35	15	23	10	10	26	3	25	21	21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

ISO	N					S					H										
	Aluminum-wrought alloy		Aluminum-cast, alloyed		Copper and Copper Alloys (Bronze / Brass)	Non Metallic Materials		Heat Resistant Super Alloys			Titanium Alloys		Hardened steel	Chilled Cast Iron	Hardened Cast Iron						
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550
Recommended	○	○	◎	◎	◎	◎	◎	◎													



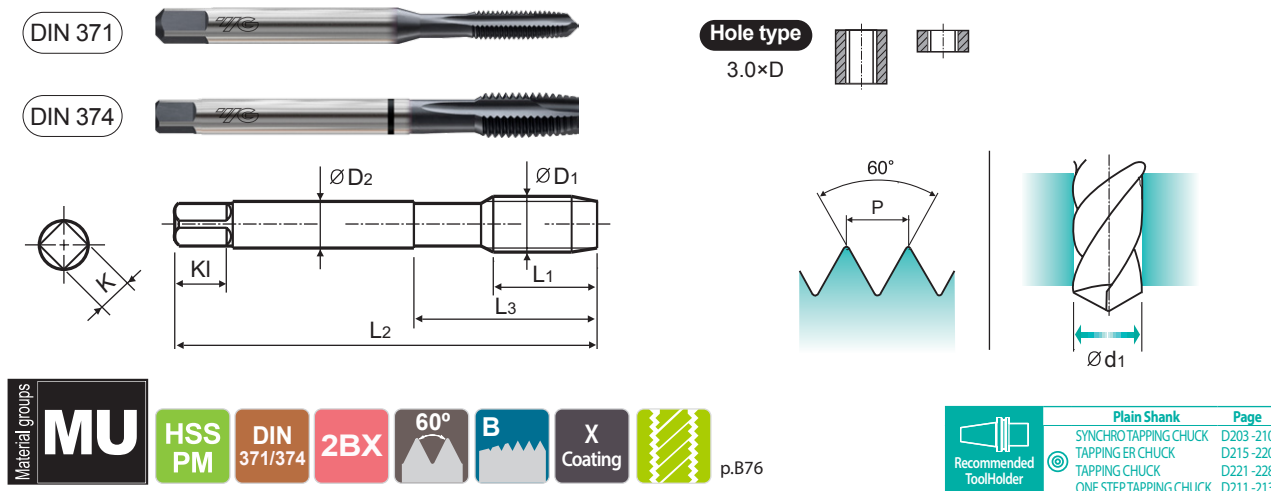
TRJ18 SERIES

UNF Unified Fine Threads
 Unified Grobgewinde
 UNF
 Unificato passo fine

Machine taps
 Maschinengewindebohrer

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 SYNCHRO TAPPING CHUCK D203-210
 TAPPING ER CHUCK D215-220
 TAPPING CHUCK D221-228
 ONE STEP TAPPING CHUCK D211-213
 Recommended ToolHolder

Unit : mm

SIZE	TPI	EDP No.	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1		X-coating	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4 - 48 UNF		TRJ18182GS	11.0	56.0	18.0	3.5	2.7	6.0	2	2.40
#5 - 44 UNF		TRJ18222GS	11.0	56.0	18.0	3.5	2.7	6.0	3	2.70
#6 - 40 UNF		TRJ18262GS	12.0	56.0	20.0	4.0	3.0	6.0	3	2.90
#8 - 36 UNF		TRJ18302GS	13.0	63.0	21.0	4.5	3.4	6.0	3	3.50
#10 - 32 UNF		TRJ18342GS	15.0	70.0	25.0	6.0	4.9	8.0	3	4.10
#12 - 28 UNF		TRJ18382GS	16.0	80.0	30.0	6.0	4.9	8.0	3	4.60
1/4 - 28 UNF		TRJ18422GS	17.0	80.0	30.0	7.0	5.5	8.0	3	5.50
5/16 - 24 UNF		TRJ18462GS	17.0	90.0	35.0	8.0	6.2	9.0	3	6.90
3/8 - 24 UNF		TRJ18502GS	18.0	100.0	39.0	9.0	7.0	10.0	3	8.50
7/16 - 20 UNF		TRJ18542GS	22.0	100.0	40.0	8.0	6.2	9.0	3	9.90
1/2 - 20 UNF		TRJ18582GS	22.0	100.0	40.0	9.0	7.0	10.0	3	11.50
9/16 - 18 UNF		TRJ18622GS	22.0	100.0	40.0	11.0	9.0	12.0	3	12.90
5/8 - 18 UNF		TRJ18662GS	22.0	100.0	40.0	12.0	9.0	12.0	3	14.50
3/4 - 16 UNF		TRJ18722GS	25.0	110.0	44.0	14.0	11.0	14.0	3	17.50
7/8 - 14 UNF		TRJ18762GS	26.0	125.0	50.0	18.0	14.5	17.0	3	20.50
1" - 12 UNF		TRJ18802GS	28.0	140.0	54.0	20.0	16.0	19.0	3	23.20

▶DIN371 (#4~3/8) and DIN374 (7/16~1)

◎ : Excellent ○ : Good

ISO	P										M				K					
	Non-alloy steel					Low alloy steel					High alloyed steel, and tool steel		Stainless steel		Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc	13	25	28	32	30	10	29	32	38	15	35	15	23	10	10	26	3	25	21	21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

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HRc	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550
Recommended	○	○	◎	◎	◎	◎	◎	◎													