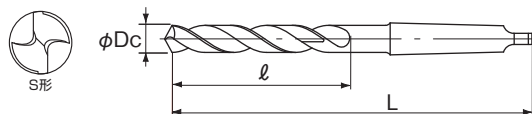


TD テーパシャンクドリル Taper Shank Drills

●もっとも広い用途で使用する汎用ドリルです。

This drill is applied for general purpose.



LIST 602

オーダ方法

TD 直径 (□商品: TD 直径 × シャンク)

切削条件 Drilling Condition A-237

単位 (Unit): mm / 円 (¥)

直径 Dc	溝長 l	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
7.0	75	155	1	●	2,410
7.1	78	158	1	●	2,750
7.2	78	158	1	●	2,750
7.3	78	158	1	●	2,750
7.4	78	158	1	●	2,750
7.5	78	158	1	●	2,450
7.6	82	162	1	●	2,800
7.7	82	162	1	●	2,800
7.8	82	162	1	●	2,800
7.9	82	162	1	●	2,800
8.0	82	162	1	●	2,510
8.1	85	168	1	●	2,970
8.2	85	168	1	●	2,970
8.3	85	168	1	●	2,970
8.4	85	168	1	●	2,970
8.5	85	168	1	●	2,660
8.6	88	172	1	●	3,160
8.7	88	172	1	●	3,160
8.8	88	172	1	●	3,160
8.9	88	172	1	●	3,160
9.0	88	172	1	●	2,800
9.1	92	175	1	●	3,340
9.2	92	175	1	●	3,340
9.3	92	175	1	●	3,340
9.4	92	175	1	●	3,340
9.5	92	175	1	●	3,000
9.6	95	178	1	●	3,480
9.7	95	178	1	●	3,480
9.8	95	178	1	●	3,480
9.9	95	178	1	●	3,480
10.0	95	178	1	●	3,120
10.1	98	182	1	●	3,550
10.2	98	182	1	●	3,550
10.3	98	182	1	●	3,550
10.4	98	182	1	●	3,550
10.5	98	182	1	●	3,190
10.6	102	185	1	●	3,720
10.7	102	185	1	●	3,720
10.8	102	185	1	●	3,720
10.9	102	185	1	●	3,720
11.0	102	185	1	●	3,390
11.1	105	188	1	●	3,820
11.2	105	188	1	●	3,820
11.3	105	188	1	●	3,820
11.4	105	188	1	●	3,820
11.5	105	188	1	●	3,470
11.6	108	192	1	●	4,070
11.7	108	192	1	●	4,070
11.8	108	192	1	●	4,070
11.9	108	192	1	●	4,070
12.0	108	192	1	●	3,720
12.1	112	195	1	●	4,280
12.2	112	195	1	●	4,280
12.3	112	195	1	●	4,280
12.4	112	195	1	●	4,280
12.5	112	195	1	●	3,890
12.6	115	198	1	●	4,400
12.7	115	198	1	●	4,400
12.8	115	198	1	●	4,400
12.9	115	198	1	●	4,400
13.0	115	198	1	●	4,010
13.1	118	202	1	●	4,610

直径 Dc	溝長 l	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
13.2	118	202	1	●	4,610
13.3	118	202	1	●	4,610
13.4	118	202	1	●	4,610
13.5	118	202	1	●	4,210
13.6	122	205	1	●	4,760
13.7	122	205	1	●	4,760
13.8	122	205	1	●	4,760
13.9	122	205	1	●	4,760
14.0	122	205	1	●	4,360
14.1	122	222	2	●	5,350
14.2	122	222	2	●	5,350
14.3	122	222	2	●	5,350
14.4	122	222	2	●	5,350
14.5	122	222	2	●	4,880
14.6	125	225	2	●	5,490
14.7	125	225	2	●	5,490
14.8	125	225	2	●	5,490
14.9	125	225	2	●	5,490
15.0	125	225	2	●	5,000
15.1	128	228	2	●	5,770
15.2	128	228	2	●	5,770
15.3	128	228	2	●	5,770
15.4	128	228	2	●	5,770
15.5	128	228	2	●	5,250
15.6	130	230	2	●	6,020
15.7	130	230	2	●	6,020
15.8	130	230	2	●	6,020
15.9	130	230	2	●	6,020
16.0	130	230	2	●	5,480
16.1	132	232	2	●	6,550
16.2	132	232	2	●	6,550
16.3	132	232	2	●	6,550
16.4	132	232	2	●	6,550
16.5	132	232	2	●	5,940
16.6	135	235	2	●	6,910
16.7	135	235	2	●	6,910
16.8	135	235	2	●	6,910
16.9	135	235	2	●	6,910
17.0	135	235	2	●	6,270
17.1	140	240	2	●	7,220
17.2	140	240	2	●	7,220
17.3	140	240	2	●	7,220
17.4	140	240	2	●	7,220
17.5	140	240	2	●	6,560
17.6	140	240	2	●	7,630
17.7	140	240	2	●	7,630
17.8	140	240	2	●	7,630
17.9	140	240	2	●	7,630
18.0	140	240	2	●	6,950
18.1	145	245	2	●	7,840
18.2	145	245	2	●	7,840
18.3	145	245	2	●	7,840
18.4	145	245	2	●	7,840
18.5	145	245	2	●	7,130
18.6	145	245	2	●	8,230
18.7	145	245	2	●	8,230
18.8	145	245	2	●	8,230
18.9	145	245	2	●	8,230
19.0	145	245	2	●	7,470
19.1	150	250	2	●	8,680
19.2	150	250	2	●	8,680
19.3	150	250	2	●	8,680

ドリル部表面にはホモ処理（酸化処理）が施されています。クーラントの潤滑性に効果があります。ただし直径 77mm 以上は表面処理が施されていません。直径許容差は h8 です。40 頁を参照ください。



工具材料

直径許容差

先端角

ねじれ角

直径範囲



低炭素鋼 軟鋼 SS400, S10C ~150HB	炭素鋼 合金鋼 S45C, SCM440 ~225HB	プレハードン鋼 高合金鋼 SUJ, NAK ~275HB	調質鋼 SKD, SKH 30~40HRC	焼入鋼 Hardened Steels 40~50HRC
○	○	○		×
ステンレス鋼		耐熱合金	鋳鉄	アルミ合金 銅合金
SUS304	SUS420	Ti/Ni Alloys	FC/FCD	Al/Cu
			○	○

◎:最適 Excellent ○:適用 Good ×:不適 Not Used 無印 (No mark):推奨しません Not recommended

単位 (Unit): mm / 円 (¥)

直径 Dc	溝長 ℓ	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
19.4	150	250	2	●	8,680
19.5	150	250	2	●	7,940
19.6	150	250	2	●	9,040
19.7	150	250	2	●	9,040
19.8	150	250	2	●	9,040
19.9	150	250	2	●	9,040
20.0	150	250	2	●	8,200
20.1	155	255	2	●	9,190
20.2	155	255	2	●	9,190
20.3	155	255	2	●	9,190
20.4	155	255	2	●	9,190
20.5	155	255	2	●	8,360
20.6	155	255	2	●	9,510
20.7	155	255	2	●	9,510
20.8	155	255	2	●	9,510
20.9	155	255	2	●	9,510
21.0	155	255	2	●	8,680
21.1	160	260	2	●	9,940
21.2	160	260	2	●	9,940
21.3	160	260	2	●	9,940
21.4	160	260	2	●	9,940
21.5	160	260	2	●	9,040
21.6	160	260	2	●	10,200
21.7	160	260	2	●	10,200
21.8	160	260	2	●	10,200
21.9	160	260	2	●	10,200
22.0	160	260	2	●	9,280
22.1	165	265	2	●	10,800
22.2	165	265	2	●	10,800
22.3	165	265	2	●	10,800
22.4	165	265	2	●	10,800
22.5	165	265	2	●	9,710
22.6	165	265	2	●	11,200
22.7	165	265	2	●	11,200
22.8	165	265	2	●	11,200
22.9	165	265	2	●	11,200
23.0	165	265	2	●	10,100
23.1	165	285	3	●	12,700
23.2	165	285	3	●	12,700
23.3	165	285	3	●	12,700
23.4	165	285	3	●	12,700
23.5	165	285	3	●	11,000
23.6	165	285	3	●	13,100
23.7	165	285	3	●	13,100
23.8	165	285	3	●	13,100
23.9	165	285	3	●	13,100
24.0	165	285	3	●	11,500
24.1	165	285	3	●	13,800
24.2	165	285	3	●	13,800
24.3	165	285	3	●	13,800
24.4	165	285	3	●	13,800
24.5	165	285	3	●	11,900
24.6	165	285	3	●	14,100
24.7	165	285	3	●	14,100
24.8	165	285	3	●	14,100
24.9	165	285	3	●	14,100
25.0	165	285	3	●	12,400
25.1	165	285	3	●	14,700
25.2	165	285	3	●	14,700
25.3	165	285	3	●	14,700
25.4	165	285	3	●	14,700
25.5	165	285	3	●	12,700

直径 Dc	溝長 ℓ	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
25.6	165	285	3	●	15,100
25.7	165	285	3	●	15,100
25.8	165	285	3	●	15,100
25.9	165	285	3	●	15,100
26.0	165	285	3	●	13,100
26.1	170	290	3	●	15,700
26.2	170	290	3	●	15,700
26.3	170	290	3	●	15,700
26.4	170	290	3	●	15,700
26.5	170	290	3	●	13,700
26.6	170	290	3	●	16,200
26.7	170	290	3	●	16,200
26.8	170	290	3	●	16,200
26.9	170	290	3	●	16,200
27.0	170	290	3	●	14,000
27.1	175	295	3	●	16,900
27.2	175	295	3	●	16,900
27.3	175	295	3	●	16,900
27.4	175	295	3	●	16,900
27.5	175	295	3	●	14,500
27.6	175	295	3	●	17,300
27.7	175	295	3	●	17,300
27.8	175	295	3	●	17,300
27.9	175	295	3	●	17,300
28.0	175	295	3	●	15,000
28.1	180	300	3	●	18,100
28.2	180	300	3	●	18,100
28.3	180	300	3	●	18,100
28.4	180	300	3	●	18,100
28.5	180	300	3	●	15,700
28.6	180	300	3	●	19,100
28.7	180	300	3	●	19,100
28.8	180	300	3	●	19,100
28.9	180	300	3	●	19,100
29.0	180	300	3	●	16,500
29.1	185	305	3	●	19,400
29.2	185	305	3	●	19,400
29.3	185	305	3	●	19,400
29.4	185	305	3	●	19,400
29.5	185	305	3	●	17,000
29.6	185	305	3	●	20,500
29.7	185	305	3	●	20,500
29.8	185	305	3	●	20,500
29.9	185	305	3	●	20,500
30.0	185	305	3	●	18,000
30.1	190	310	3	●	21,500
30.2	190	310	3	●	21,500
30.3	190	310	3	●	21,500
30.4	190	310	3	●	21,500
30.5	190	310	3	●	18,700
30.6	190	310	3	●	22,400
30.7	190	310	3	●	22,400
30.8	190	310	3	●	22,400
30.9	190	310	3	●	22,400
31.0	190	310	3	●	19,400
31.1	195	315	3	●	23,400
31.2	195	315	3	●	23,400
31.3	195	315	3	●	23,400
31.4	195	315	3	●	23,400
31.5	195	315	3	●	20,200
31.6	195	315	3	●	24,800
31.7	195	315	3	●	24,800

単位 (Unit) : mm / 円 (¥)

直径 Dc	溝長 ℓ	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
31.8	195	315	3	●	24,800
31.9	195	315	3	●	24,800
32.0	195	315	3	●	21,300
32.1	200	345	4	●	29,400
32.2	200	345	4	●	29,400
32.3	200	345	4	●	29,400
32.4	200	345	4	●	29,400
32.5	200	345	4	●	26,600
32.6	200	345	4	●	29,400
32.7	200	345	4	●	29,400
32.8	200	345	4	●	29,400
32.9	200	345	4	●	29,400
33.0	200	345	4	●	24,500
33.1	205	350	4	●	31,200
33.2	205	350	4	●	31,200
33.3	205	350	4	●	31,200
33.4	205	350	4	●	31,200
33.5	205	350	4	●	27,900
33.6	205	350	4	●	31,200
33.7	205	350	4	●	31,200
33.8	205	350	4	●	31,200
33.9	205	350	4	●	31,200
34.0	205	350	4	●	25,900
34.1	205	350	4	●	32,600
34.2	205	350	4	●	32,600
34.3	205	350	4	●	32,600
34.4	205	350	4	●	32,600
34.5	205	350	4	●	29,400
34.6	205	350	4	●	32,600
34.7	205	350	4	●	32,600
34.8	205	350	4	●	32,600
34.9	205	350	4	●	32,600
35.0	205	350	4	●	27,300
35.1	210	355	4	●	34,400
35.2	210	355	4	●	34,400
35.3	210	355	4	●	34,400
35.4	210	355	4	●	34,400
35.5	210	355	4	●	31,200
35.6	210	355	4	●	34,400
35.7	210	355	4	●	34,400
35.8	210	355	4	●	34,400
35.9	210	355	4	●	34,400
36.0	210	355	4	●	28,800
36.1	210	355	4	●	36,200
36.2	210	355	4	●	36,200
36.3	210	355	4	●	36,200
36.4	210	355	4	●	36,200
36.5	210	355	4	●	32,800
36.6	210	355	4	●	36,200
36.7	210	355	4	●	36,200
36.8	210	355	4	●	36,200
36.9	210	355	4	●	36,200
37.0	210	355	4	●	30,400
37.1	215	360	4	●	38,000
37.2	215	360	4	●	38,000
37.3	215	360	4	●	38,000
37.4	215	360	4	●	38,000
37.5	215	360	4	●	34,400
37.6	215	360	4	●	38,000
37.7	215	360	4	●	38,000
37.8	215	360	4	●	38,000
37.9	215	360	4	●	38,000
38.0	215	360	4	●	31,800
38.1	215	360	4	●	39,800
38.2	215	360	4	●	39,800
38.3	215	360	4	●	39,800
38.4	215	360	4	●	39,800
38.5	215	360	4	●	35,800
38.6	215	360	4	●	39,800
38.7	215	360	4	●	39,800
38.8	215	360	4	●	39,800
38.9	215	360	4	●	39,800

直径 Dc	溝長 ℓ	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
39.0	215	360	4	●	33,000
39.1	220	365	4	●	42,500
39.2	220	365	4	●	42,500
39.3	220	365	4	●	42,500
39.4	220	365	4	●	42,500
39.5	220	365	4	●	38,000
39.6	220	365	4	●	42,500
39.7	220	365	4	●	42,500
39.8	220	365	4	●	42,500
39.9	220	365	4	●	42,500
40.0	220	365	4	●	35,400
40.1	220	365	4	●	45,000
40.2	220	365	4	●	45,000
40.3	220	365	4	●	45,000
40.4	220	365	4	●	45,000
40.5	220	365	4	●	40,600
40.6	220	365	4	●	45,000
40.7	220	365	4	●	45,000
40.8	220	365	4	●	45,000
40.9	220	365	4	●	45,000
41.0	220	365	4	●	37,400
41.1	225	370	4	●	46,800
41.2	225	370	4	●	46,800
41.3	225	370	4	●	46,800
41.4	225	370	4	●	46,800
41.5	225	370	4	●	42,100
41.6	225	370	4	●	46,800
41.7	225	370	4	●	46,800
41.8	225	370	4	●	46,800
41.9	225	370	4	●	46,800
42.0	225	370	4	●	39,000
42.1	225	370	4	●	50,600
42.2	225	370	4	●	50,600
42.3	225	370	4	●	50,600
42.4	225	370	4	●	50,600
42.5	225	370	4	●	45,600
42.6	225	370	4	●	50,600
42.7	225	370	4	●	50,600
42.8	225	370	4	●	50,600
42.9	225	370	4	●	50,600
43.0	225	370	4	●	42,400
43.1	230	375	4	●	52,500
43.2	230	375	4	●	52,500
43.3	230	375	4	●	52,500
43.4	230	375	4	●	52,500
43.5	230	375	4	●	47,500
43.6	230	375	4	●	52,500
43.7	230	375	4	●	52,500
43.8	230	375	4	●	52,500
43.9	230	375	4	●	52,500
44.0	230	375	4	●	43,800
44.1	230	375	4	●	55,300
44.2	230	375	4	●	55,300
44.3	230	375	4	●	55,300
44.4	230	375	4	●	55,300
44.5	230	375	4	●	49,900
44.6	230	375	4	●	55,300
44.7	230	375	4	●	55,300
44.8	230	375	4	●	55,300
44.9	230	375	4	●	55,300
45.0	230	375	4	●	46,000
45.1	235	380	4	●	58,200
45.2	235	380	4	●	58,200
45.3	235	380	4	●	58,200
45.4	235	380	4	●	58,200
45.5	235	380	4	●	52,400
45.6	235	380	4	●	58,200
45.7	235	380	4	●	58,200
45.8	235	380	4	●	58,200
45.9	235	380	4	●	58,200
46.0	235	380	4	●	48,600
46.1	235	380	4	●	61,200

単位 (Unit) : mm / 円 (¥)

直径 Dc	溝長 ℓ	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
46.2	235	380	4	●	61,200
46.3	235	380	4	●	61,200
46.4	235	380	4	●	61,200
46.5	235	380	4	●	55,000
46.6	235	380	4	●	61,200
46.7	235	380	4	●	61,200
46.8	235	380	4	●	61,200
46.9	235	380	4	●	61,200
47.0	235	380	4	●	51,100
47.1	240	385	4	●	64,400
47.2	240	385	4	●	64,400
47.3	240	385	4	●	64,400
47.4	240	385	4	●	64,400
47.5	240	385	4	●	58,000
47.6	240	385	4	●	64,400
47.7	240	385	4	●	64,400
47.8	240	385	4	●	64,400
47.9	240	385	4	●	64,400
48.0	240	385	4	●	53,600
48.1	240	385	4	●	67,600
48.2	240	385	4	●	67,600
48.3	240	385	4	●	67,600
48.4	240	385	4	●	67,600
48.5	240	385	4	●	60,900
48.6	240	385	4	●	67,600
48.7	240	385	4	●	67,600
48.8	240	385	4	●	67,600
48.9	240	385	4	●	67,600
49.0	240	385	4	●	56,300
49.1	245	390	4	●	70,800
49.2	245	390	4	●	70,800
49.3	245	390	4	●	70,800
49.4	245	390	4	●	70,800
49.5	245	390	4	●	63,700
49.6	245	390	4	●	70,800
49.7	245	390	4	●	70,800
49.8	245	390	4	●	70,800
49.9	245	390	4	●	70,800
50.0	245	390	4	●	58,900
50.5	245	425	5	●	70,900
51.0	245	425	5	●	65,500
51.5	250	430	5	●	75,500
52.0	250	430	5	●	69,900
52.5	250	430	5	●	79,800
53.0	250	430	5	●	73,700
53.5	255	435	5	●	84,600
54.0	255	435	5	●	78,600
54.5	255	435	5	●	89,700
55.0	255	435	5	●	83,200
55.5	260	440	5	●	93,700
56.0	260	440	5	●	86,800
56.5	260	440	5	●	98,600
57.0	260	440	5	●	91,000
57.5	265	445	5	●	103,000
58.0	265	445	5	●	95,300
58.5	265	445	5	●	108,000
59.0	265	445	5	●	99,400
59.5	270	450	5	●	113,000
60.0	270	450	5	●	104,000
60.5	270	450	5	●	118,000
61.0	270	450	5	●	109,000
61.5	275	455	5	●	124,000
62.0	275	455	5	●	115,000
62.5	275	455	5	●	128,000
63.0	275	455	5	●	119,000
63.5	280	460	5	●	135,000
64.0	280	460	5	●	124,000
64.5	280	460	5	●	139,000
65.0	280	460	5	●	129,000
65.5	285	465	5	●	145,000
66.0	285	465	5	●	135,000
66.5	285	465	5	●	150,000

直径 Dc	溝長 ℓ	全長 L	シャンク MT No.	在庫 Stock	参考価格 Price
67.0	285	465	5	●	139,000
67.5	290	470	5	●	157,000
68.0	290	470	5	●	146,000
68.5	290	470	5	●	162,000
69.0	290	470	5	●	150,000
69.5	295	475	5	●	170,000
70.0	295	475	5	●	156,000
70.5	295	475	5	●	174,000
71.0	295	475	5	●	162,000
71.5	300	480	5	●	183,000
72.0	300	480	5	●	170,000
72.5	300	480	5	●	192,000
73.0	300	480	5	●	180,000
73.5	305	485	5	●	197,000
74.0	305	485	5	●	183,000
74.5	305	485	5	●	204,000
75.0	305	485	5	●	190,000
75.5	310	490	5	●	241,000
76.0	310	490	5	●	223,000
77.0	315	500	5	□	-
77.0	315	560	6	●	282,000
78.0	315	500	5	□	-
78.0	315	560	6	●	291,000
79.0	315	500	5	□	-
79.0	315	560	6	●	300,000
80.0	315	500	5	□	-
80.0	315	560	6	●	308,000
81.0	325	510	5	□	-
81.0	325	570	6	●	318,000
82.0	325	510	5	□	-
82.0	325	570	6	●	325,000
83.0	325	510	5	□	-
83.0	325	570	6	●	334,000
84.0	325	510	5	□	-
84.0	325	570	6	●	344,000
85.0	325	510	5	□	-
85.0	325	570	6	●	351,000
86.0	335	520	5	□	-
86.0	335	580	6	●	361,000
87.0	335	520	5	□	-
87.0	335	580	6	●	368,000
88.0	335	520	5	□	-
88.0	335	580	6	●	379,000
89.0	335	520	5	□	-
89.0	335	580	6	●	390,000
90.0	335	520	5	□	-
90.0	335	580	6	●	400,000
91.0	345	530	5	□	-
91.0	345	590	6	●	414,000
92.0	345	530	5	□	-
92.0	345	590	6	●	428,000
93.0	345	530	5	□	-
93.0	345	590	6	●	438,000
94.0	345	530	5	□	-
94.0	345	590	6	●	453,000
95.0	345	530	5	□	-
95.0	345	590	6	●	472,000
96.0	355	540	5	□	-
96.0	355	600	6	●	489,000
97.0	355	540	5	□	-
97.0	355	600	6	●	506,000
98.0	355	540	5	□	-
98.0	355	600	6	●	522,000
99.0	355	540	5	□	-
99.0	355	600	6	●	539,000
100.0	355	540	5	□	-
100.0	355	600	6	●	556,000

□は特定代理店在庫品です。
Available for Japan customers only.