

ADDISON High Speed Steel
COUNTERBORES WITH MORSE TAPER SHANKS AND DETACHABLE PILOTS
 Specifications Conform to:
 IS 5710 - 1988
 ISO 4207 - 1977
 DIN 375 - 1975
 Dimensions in mm.



Diameter \varnothing	Cutting Edge Length	Over all Length	Morse Taper No.	Pilot Diameter
13.5	22	132	2	5.0 to 11.2
14.5	22	132	2	5.0 to 12.5
16.5	25	140	2	6.3 to 14.0
17.5	25	140	2	6.3 to 14.0
19.5	25	140	2	6.3 to 16.0
20.0	25	140	2	6.3 to 18.0
22.0	30	150	2	8.0 to 18.0
23.0	30	150	2	8.0 to 20.0
25.0	30	150	2	8.0 to 22.4
26.0	35	180	3	10.0 to 22.4
28.0	35	180	3	10.0 to 22.4
29.0	35	180	3	10.0 to 25.0
31.0	35	180	3	10.0 to 25.0
33.0	40	190	3	12.5 to 28.0
34.0	40	190	3	12.5 to 28.0

Diameter \varnothing	Cutting Edge Length	Over all Length	Morse Taper No.	Pilot Diameter
36	40	190	3	12.5 to 31.5
37	40	190	3	12.5 to 31.5
39	40	190	3	12.5 to 31.5
41	50	236	4	16.0 to 35.5
43	50	236	4	16.0 to 35.5
46	50	236	4	16.0 to 40.0
48	50	236	4	16.0 to 40.0
51	63	250	4	20.0 to 40.0
53	63	250	4	20.0 to 45.0
55	63	250	4	20.0 to 45.0
57	63	250	4	20.0 to 50.0
59	63	250	4	20.0 to 50.0
61	63	250	4	20.0 to 50.0
63	63	250	4	20.0 to 56.0

A cutter with teeth on the periphery and the end, integral with a Morse Taper Shank, and having a detachable pilot. The cutter is intended for producing a flat seating for the accommodation of the head of a bolt set screw etc. and is located by means of the pilot with relation to a centre hole.

ADDISON High Speed Steel
COUNTER BORES
 Specifications Conform to:
 BS 122 : Part 2 : 1964
 Dimensions in Inch



Diameter	Cutting Edge Length	Overall Length	Morse Taper No.	Pilot Dia.
1/4	3/8	3.3/4	1	1/8
5/16	7/16	4	1	3/16
3/8	1/2	4.1/4	1	7/32
7/16	5/8	4.1/2	1	1/4
1/2	3/4	4.3/4	1	5/16
9/16	13/16	5.3/8	2	3/8
5/8	7/8	5.5/8	2	7/16
11/16	15/16	5.7/8	2	7/16
3/4	1	5.15/16	2	1/2
13/16	1.1/16	6.3/16	2	9/16
7/8	1.1/8	6.7/16	2	5/8
15/16	1.1/4	7.7/16	3	5/8
1	1.3/8	7.1/2	3	3/4
1.1/8	1.1/2	7.3/4	3	3/4
1.1/4	1.5/8	8	3	3/4
1.3/8	1.3/4	9	4	13/16
1.1/2	1.7/8	9	4	7/8
1.5/8	2	9	4	15/16
1.3/4	2.1/8	9	4	1
1.7/8	2.1/4	9	4	1.1/8
2	2.1/2	9	4	1.1/4

Counterbores of size upto and including 1/2" dia are supplied with solid pilot.

Tolerance on dia. of counterbores:
 Sizes from 1/4" upto & including 3/4" = + 0.010" /+0.005"
 Over 3/4" upto & including 2" = +0.015"/+0.010"



High Speed Steel COUNTER BORES WITH PARALLEL SHANKS AND SOLID PILOTS

Specifications Conform to:
IS 5704 - 1988
ISO 4206 - 1977
DIN 373 - 1975
Dimensions in mm



Diameter \varnothing	Dia. of Shank $h\varnothing$	Cutting Edge Length	Overall Length	Diameter \varnothing	Dia. of Shank $h\varnothing$	Cutting Edge Length	Overall Length
6	5	14	71	13	12.5	22	100
7	5	14	71	14	12.5	22	100
8	5	14	71	15	12.5	22	100
9	8	18	80	16	12.5	22	100
10	8	18	80	17	12.5	22	100
11	8	18	80	18	12.5	22	100
12	8	18	80	19	12.5	22	100
12.5	8	18	80	20	12.5	22	100

Pilot Diameter: To be specified to suit pilot hole diameter when ordering. (minimum possible pilot diameter is equal to 1/3rd of counter bore diameter.) Tolerance on pilot diameter is es

A cutter with teeth on the periphery and end, integral with a parallel shank, and having a pilot. The cutter is intended for producing a flat seating for the accommodation of the head of a bolt set screw etc. and is located by means of the pilot with relation to a centre hole.