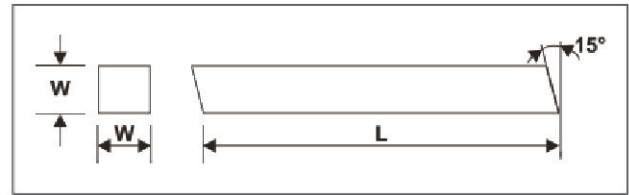


HSS TOOL BIT SQUARE



HSS
M-35,
M-42,
T-42

Bevel end
15°/0°

h 13

IS:11143-
1991

MS

Alloy
Steel

C.I.

Pre-
Hardened
Steel

Metric Sizes							
Square W		Length (Tolerance +/- 1.5mm) Lmm					
mm	Inches						
-	3/32	65	75				
3	1/8		75	100			
4	5/32		75	100			
5	3/16		75	100	150		
6	1/4		75	100	150	200	
8	5/16		75	100	150	200	
10	-		75	100	150	200	250
12	1/2		75	100	150	200	250
14	9/16			100	150	200	250
16	5/8			100	150	200	250
19	3/4			100	150	200	250
20	-			100	150	200	250
25	1				150	200	250

Manufacturing Standards		
I. S.	:	11143-1991
DIN	:	4964
ISO	:	5421

Description	Standard
End Bevel	Standard 15°, 0° and as per customer requirement
Tolerance (Diameter)	h13 / h12
Applications	1) HSS Tool bits are used for general Lathe Work. 2) HSS Cobalt Tool bits are used for general Lathe Work with increased wear resistance. a) Turning b) Grooving c) Facing d) Slotting

Miranda Square Tool bits are made from M35, M42 & T42 Grades of HSS.

- S100 = M35 (HSS WITH 5% COBALT) (63-66 HRc)
- S200 = M42 (HSS WITH 8% COBALT) (65-68 HRc)
- S400 = T42 (HSS WITH 10% COBALT) (64-67 HRc)
- S400E = M35 WITH CRYOGENIC (ULTRA LOW) HEAT TREATMENT (64-67 HRc)
- S500 = T42 WITH CRYOGENIC (ULTRA LOW) HEAT TREATMENT (65-69 HRc)

S100
S200
S400
S400E
S500