READING MATERIAL

ON

BASIC MECHANICAL DRAWING

& INSTRUMENT READING



Rourkela Steel Plant

Human Resource Development Centre

Abbreviations : 3.05

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Many terms and expressions in engineering need to be written on drawings so frequently as to justify the use of abbreviations which help to reduce drafting time and costs. Many of these abbreviations have been standardized as can be seen in BS 308/1984:section 11. A selection of the more commonly used ones are stated and clarified in the following tables.

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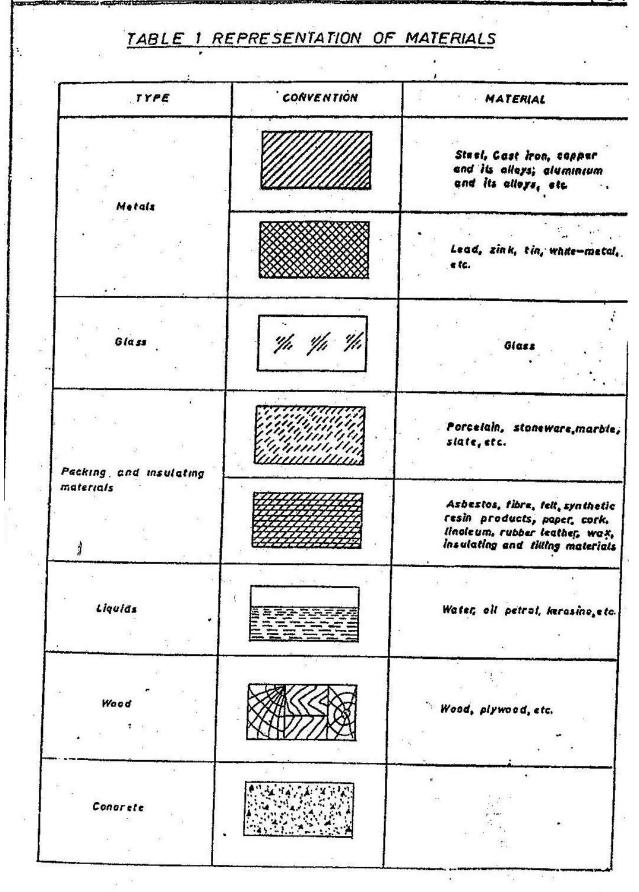
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ABBREVIATION	MEANING	SKETCH/NOTES		
AC	Across corners	Nº 2		
AF	Across flats			
HEX HD	Hexagon head	A/F HEX I		
ASSY	Assembly	See page 96		
CRS	Centres	0 25 CRS 0		
∉ or CĽ	Centre line	£		
CHAM	Chamfered or Chamfer (in a note)			
CH HD	Cheese head	CH HD SCREW		
CSK	Countersunk			
CBORE	Counterbore	CBORE .		
ÇYL	Cylinder or cylindrical			
DIA	Diameter (in a note)	\$20 R5		
ø	Diameter (preceding a dimension)	(α)		
R	Radius (preceding a dimension, capital only)			
DRG	Drawing			
FIG.	Figure	·		
LH	Left hand			
LG	Long			
MATL	Material	r da		
NO.	Number			

11	• •		
ſ	ABBREVIATION	MEANING	SKETCH/NOTES
ſ	PATT NO.	Pattern number	
ſ	PCD	Pitch circle diameter	0/0 4 HOLES
ſ	1/0	Inside diameter	SPACED SPACED
ſ	0/D	Outside diameter	1/0
	RH	Right hand	
	RD HD	Round head	
	SCR	Screwed (or screw)	ASPACE
-	SPEC	Specification	
	SFACE	Spotface	
	SQ	Square (in a note)	
4:	· o	Square (preceding a dimension)	
	STD	Standard	
	UCUT	Undercut	UCUT
	MC	Machined	
	. mm - 1	Millimetre	Note:- Lower case letters
	NTS	Not to scale	The NTS dimension is always underlined
	RPM	Revolutions per minute	SI symbol: rev/min
4	SWG	Standard wire gauge	
2.00	TPI	Threads per inch	

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ROURKELA STEEL PLANT SSIT

COLLET - Depayments

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n se he r	DD Standar Planned Progra			R S 00.0 01.0
	Index of Pla	nt Stand	ards	Volum
Funda	mentals and Dr	awing St	andards	4
	Gears and	Gear Bo	vxes	10
	Engg. Ma	terials		2
2	Тоо	ls		3
	Machine Eleme	nts & Mecl	hanism	4
1	Fastr	ners		C
Pipes,	Flanges, Hoses	and Acc	essories	6
	Crane and Li	ifting Tac	kles	7
	Material Ha	ndlings		7a
• Lu	ibrication, Hydr	aulic & Pn	eumatic	8
	Electric	cals		9

. (vi) DOUBLE-U BUTT (v) SINGLE-U BUTT (W) DOUBLE-V BUTT (iii) SINGLE-V BUTT SOUARE BUTT 200 **(**) FILLET FORM OF WELD 0 STNBOL Q \Diamond \bigotimes (∞) 0 = TOdS [mix] (XI) EDGE IN SINGLE-J BUTT IN DOUBLE-J BUTT IVID SINGLE-BEVEL BUTT I MI DOUBLE-BEVEL BUTT FORM OF WELD 1212 SYMBOL D 4 ≫ (pd) Δ 7 V .

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