

NG&I DATA SHEET 01

COMMONEST PROTOTYPE NARROW GAUGES TO SCALE

	15in	18in	20in	24in	27in	30in	36in
2mm/ft	2.5mm	3mm	3.33mm	4mm	4.5mm	5mm	6mm
3mm/ft	3.75mm	4.5mm	5mm	6mm	6.75mm	7.5mm	9mm
4mm/ft	5mm	6mm	6.66mm	8mm	9mm	10mm	12mm
7mm/ft	8.75mm	10.5mm	11.66mm	14mm	15.75mm	17.5mm	21mm
3/8in/ft*	11.90mm	14.29mm	15.88mm	19.05mm**	21.44mm	23.82mm	28.58mm
16mm/ft	20mm	24mm	26.66mm	32mm	36mm	40mm	48mm

NOTES: All dimensions rounded up to two decimal places. * 1:32 scale ** 3/4 inch

COMMERCIAL STANDARD GAUGES USED FOR NARROW GAUGE IN OTHER SCALES

SCALE	ACTUAL GAUGE	USED TO REPRESENT:				
		NG - 2mm	NG - 4mm	NG - S	NG - 7mm	Other
Z	6.5mm	36in (Nn3)	18in	-	10¼in (miniature)	
N	9mm	-	27in (009)	24in	15in (miniature)	
TT	12mm	-	36in (0012)	30in	20in	
00/HO	16.5mm	-	-	42in	27in	1:35 (22¾in)
On3	3/4in	-	-	-	-	1:32 (2ft)
O	32mm	-	-	-	-	16mm (2ft)
1	45mm	-	-	-	-	7/8in (2ft)

COMMERCIAL GAUGES SPECIFICALLY FOR NARROW GAUGE MODELLING

SCALE		MM/FT	GAUGE	PROTOTYPE	ORIGIN
Hof	1:87	3.5mm	6.5mm	55cm	EU
HOe†	1:87	3.5mm	9mm	75cm	EU
HO _n 2½	1:87	3.5mm	9mm	30in.	USA
HO _n 3	1:87	3.5mm	10.5mm	36in.	USA
HO _m	1:76	3.5mm	12mm	metre	EU
009‡	1:76	4mm	9mm	27in.	UK
0012	1:76	4mm	12mm	36in.	UK
Sn2**	1:64	4.76mm	9mm	24in.	USA
Sn3**	1:64	4.76mm	14.28mm	36in.	USA
Sn3½**	1:64	4.76mm	16.5mm	42in.	NZ
On2**	1:48	6.35mm	12.7mm	24in.	USA
O14	1:43.5	7mm	14mm	24in.	UK
On30	1:48	6.35mm	16.5mm	30in.	USA
0-16.5	1:43.5	7mm	16.5mm	28.29in.*	UK
On3**	1:48	6.35mm	19.05mm	36in.	USA
SM32	1:19.05	16mm	32mm	24in.	UK

NOTES:

‡ 009 track and turnouts are sometimes used as '09' in 7mm scale to represent 15in (8.75mm) gauge.

† The 'e' stands for *etroite*.

* Used to represent gauges around 2ft 3in. - 2ft 6in.

** True 'Imperial' scales - not metric. S scale is 3/16in to the foot. USA 'O' scale is 1/4in. to one foot.