

Square Sided Splines**1. SCOPE**

This standard covers four (4) sizes of straight sided splines:

- 1 - 3/8 Dia. - 6 Tooth
- 1 - 1/2 Dia. - 10 Tooth
- 1 - 3/4 Dia. - 10 Tooth
- 2 Dia. - 16 Tooth

The dimensions given for each size are for existing tooling and should be used wherever possible.

2. This standard replaces the following company standard:

New Holland 2.26.2

3. REQUIREMENTS

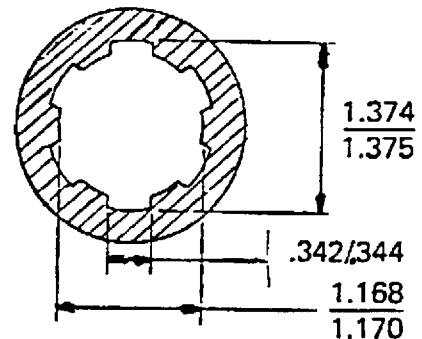
3.1 In hobbing a straight sided spline, there is only one depth of cut from a given hob that will produce the straight and parallel sided tooth shape. The minor diameter and spline width are not alterable. The major diameter can be varied by altering the shaft O.D. Hub dimensions are unalterable since they are determined by the broach.

3.2 1-3/8 Dia. - 6 Tooth

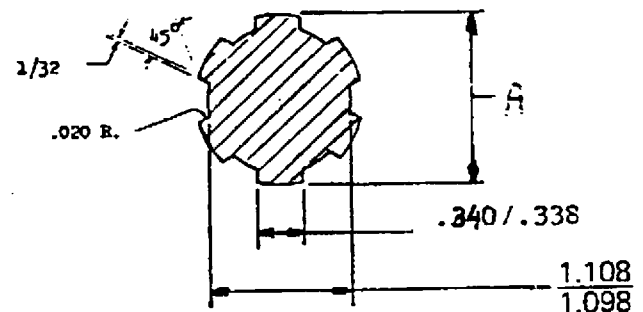
ASAE Standard Tractor Power Take Off Spline
(540 RPM Only)

3.2.1 HUB (Figure 1)

Material	Tool #	Max Length Of Spline
Cast Iron	04495	1-3/4
Steel	42580	2-3/4

Figure 1**3.2.2 SHAFT (Figure 2)**

HOB TOOL #09323

Figure 2

A.)

Suggested for sliding under load 1.370/1.369
Suggested for sliding not under load 1.373/1.372
Modify as required by length of fit, operation conditions, etc.

					NAME	STD SQ. SIDED SPLINES		
					 NEW HOLLAND			ENGINEERING SPECIFICATION
ALL	B	RLF	110244	JUL 97				
ALL	A	RE	107244	960111	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND NORTH AMERICA, INC. AND/OR NEW HOLLAND CANADA, LTD. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.			FRAME 1 OF 4
FRAME NO.	REV	BY	ECN NO.	DATE				PART NUMBER
APP.	DRAWN	BJF	NOV 95					
KHH JAN 96	CHECKED							

86529858
Documents

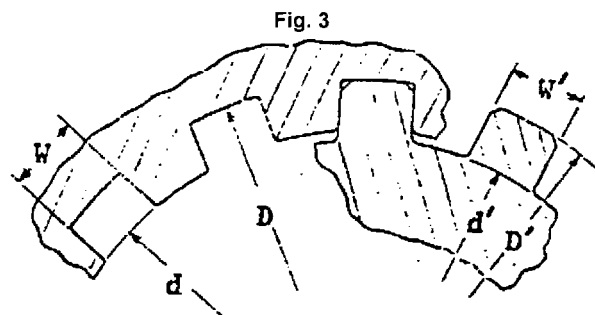
AVA

Document Sharing Hub

3.3 1-1/2 DIA. - 10 TOOTH

Broach #	Material	Max. Length
10151	Cast Iron	3-9/16
18200	Cast Iron	Short - Push

Hob # - 10221



3.3.1 Hub (Figure 3)

D	Max.	1.501
	Min.	1.500
d	Max.	1.2935
	Min.	1.2915
Effective With Gauge (W)	Max.	.2323
	Min.	.2308
Dimensional (W)	Max.	.2340
	Min.	.2325

3.3.2 Shaft (Figure 3)

D'	Max.	1.4995
	Min.	1.4985
d'	Max.	1.220
	Min.	1.210
Effective with Gauge (W')	Max.	.2303
	Min.	.2288
Dimensional (W')	Max.	.2286
	Min.	.2271

	Hub	Shaft
Number of Teeth	10	10
Max. Out of Roundness	.0010	.0010
Max. Cumulative Tooth Error (any 2 teeth)	.0015	.0015
Max. Profile Error (side of tooth)	.0006	.0015
Max. Lead Error	.0003	.0007

	NAME				PART NUMBER	
	STD SQ. SIDED SPLINES				86529858	
	ENGINEERING SPECIFICATION				REV. B	FRAME 2 OF 4