



Hexalobular Socket Pan Head Screw and Washer Assemblies with Plain Washer for Plastics Product Grade A

1 Introduction

1.1 Purpose. This standard specifies the characteristics of hexalobular socket pan head screw and washer assemblies for plastics.

1.2 Applicability. The screws covered by this specification are suitable for use in general engineering and nonstructural attachments.

1.3 Remarks. Designation: GMW3275 thread $\times$ 1.

Example: GMW3275 SP 4 $\times$ 25.

Where:

SP = Screw Plastic

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

ISO 4759-1

ISO 10664

ISO 10669

ISO/TS 16949

ISO 4759-3

2.2 GM Standards/Specifications.

GMW25

GMW3044

GMW3059

2.3 Additional References. None.

3 Requirements

3.1 Dimensions. See Figures 1, 2 and 3 and Tables 1 and 2.

Figure 1: Screw and Washer Assemblies, Hexalobular Socket Pan Head with Plain Washer, for Plastics

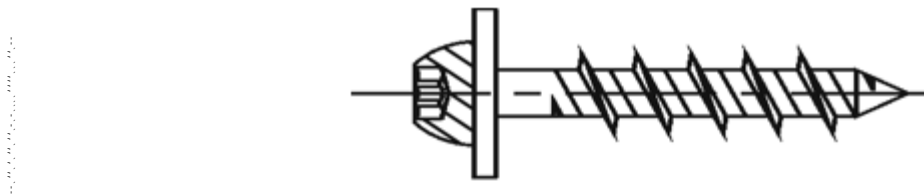


Figure 2: Dimension Illustration

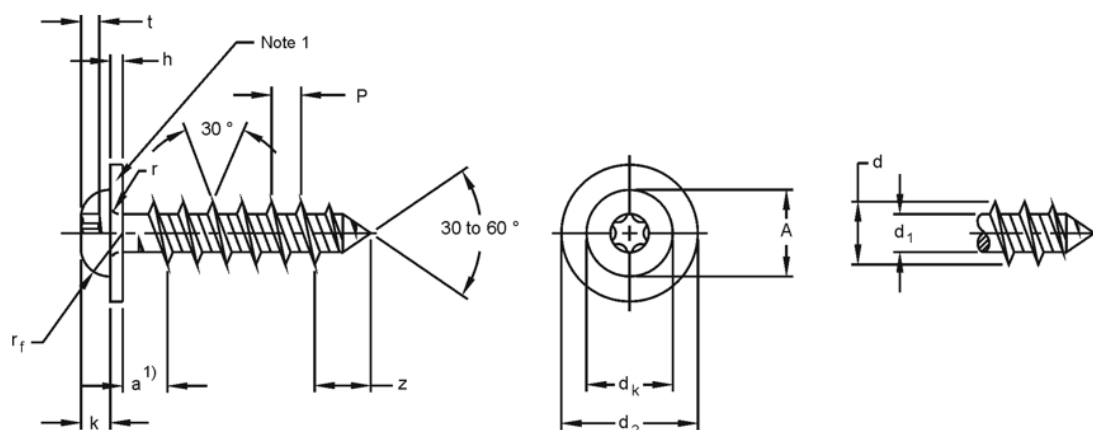


Table 1: Dimensions

Thread	d	SP 4	SP 6
P	Pitch	1.8	2.7
a Note 1	Maximum	4	6
d	Maximum	4.20	6.20
	Minimum	3.95	5.95
d₁	-	2.5	3.7
d₂	Nominal = Maximum	12	18
	Minimum	11.57	17.57
d_k	Nominal = Maximum	7.5	10.8
	Minimum	7.1	10.3
h	Maximum	1.06	1.68
	Minimum	0.94	1.52
k	Nominal = Maximum	2.8	4.0
	Minimum	2.4	3.6
r	Minimum	0.2	0.25
r_f	-	7	9
z Note 2	Maximum	5.0	7.2
Hexalobular Socket	Number	T20	T25
	A reference	3.95	4.5
t	Maximum	1.7	2.0
	Minimum	1.3	1.6

Note 1: Distance from the underside of the head to the first major diameter of the thread within specified limits.

Note 2: Length of incomplete thread.

Note: All dimensions in millimeters (mm).