



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

1 Introduction

1.1 Purpose. This standard specifies the characteristics of hexalobular socket pan head tapping screw and washer assemblies with rounded end. This standard is based on ISO/DIS 14585, ISO 10669 and ISO 10510.

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

1.3 Remarks. Designation: GMW3269 thread $\times$ 1.

Example: GMW3269 ST 6.3 $\times$ 25.

Where:

ST = Screw Tapping

2 References

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

2.1 External Standards/Specifications.

ISO 1478	ISO 4759-1	ISO 10510	ISO/DIS 14585
ISO 2702	ISO 4759-3	ISO 10669	ISO/TS 16949

2.2 GM Standards/Specifications.

GMW3044	GMW3059
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2.3 Additional References. None.

3 Requirements

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

Figure 1: Screw, Tapping, Pan Head with Washer

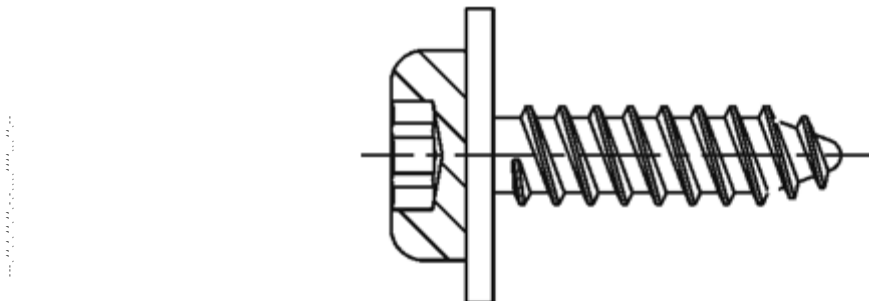


Figure 2: Dimension Illustration

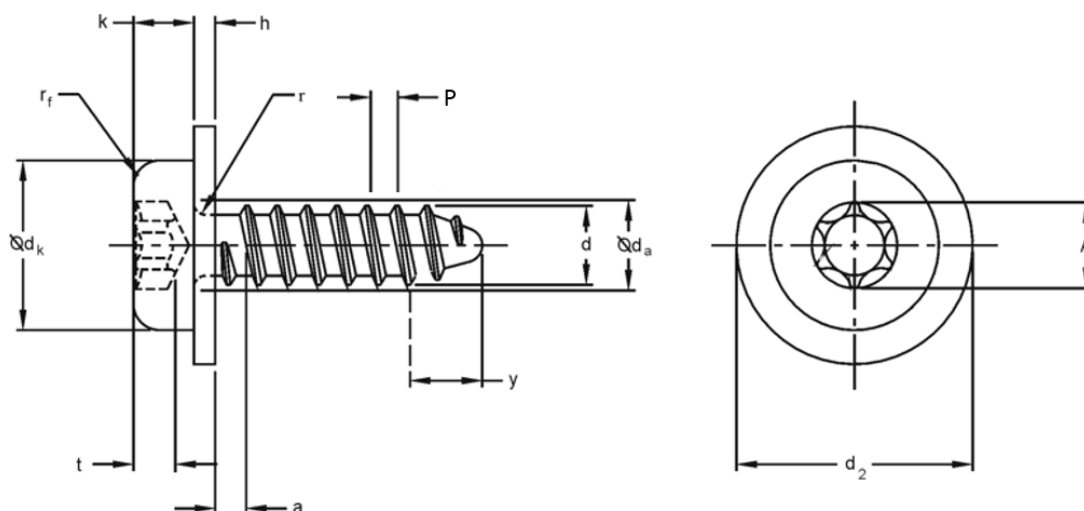


Table 1: Dimensions

Thread	d	ST 4.2	ST 6.3
P	Pitch	1.4	1.8
a ^{Note 1}	Maximum	1.4	1.8
d_a ^{Note 2}	Maximum	4.03	5.93
d_k	Nominal = Maximum	8	12
	Minimum	7.64	11.57
d₂	Nominal = Maximum	12	18
	Minimum	11.57	17.57
h	Maximum	1.06	1.68
	Minimum	0.94	1.52
k	Nominal = Maximum	3.1	4.6
	Minimum	2.8	4.3
r	Minimum	0.2	0.25
r_f	-	6.5	10
y ^{Note 3}	Reference	3.2	5
Hexalobular Socket	Number	T20	T30
	A reference	3.95	5.6
t	Maximum	1.8	2.42
	Minimum	1.42	2.02

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

Note 2: Diameter from ISO 10510.

Note 3: Length of incomplete thread.

Note: All dimensions in millimeters (mm).