

DEK STANDARD ENGINEERING INSTRUCTION

Title

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Blind Threaded Inserts (Flush Fitting)

DSP 1.1.7

1. Scope

This DSEI describes the types, sizes and performance characteristics of blind threaded inserts allowable in any DEK design.

2. Applicability

Any new design initiated after the first issue date of this document.

Any major rework of an existing design initiated after the first issue date of this document.

3. Preferred Supplier

PEM® is the preferred brand for this component type. This brand is supplied by the Penn Engineering & Manufacturing Corp. (www.pemnet.com)

4. Carbon Steel Blind Threaded Inserts

These are the DEK preferred fasteners for use in sections where a blind insert is required.

For full technical and application details refer to PEM® ATLAS® FM™ Catalogue 915.

5. Performance

The fasteners should be inserted to achieve the push out and torque out as stated in Table 1 when tested in a steel sheet in accordance with PEM® ATLAS® Catalogue 1114.

6. Alternative Supplier

Alternative suppliers are permissible provided that their products meet all of the dimensional and performance characteristics of the PEM® equivalent.

SIZE	DEK Part Number	PEM Part Number	Material Range (mm)	PUSH OUT (KN)	TORQUE OUT (Nm)
M3	701254	AECRS-M3-3.5ZI	1.7 – 3.5	3.1	1.7
M4	701255	AECRS-M4-3.5ZI	1.7 – 3.5	4.4	4.3
M5	701250	AECRS-M5-4.0ZI	1.7 – 4.0	5.8	5.1
	701251	AECRS-M5-6.5ZI	4.0 – 6.5		
M6	701252	AECRS-M6-4.5ZI	1.7 – 4.5	10.2	14.7
	701256	AECRS-M6-6.5ZI	4.5 – 6.5		
M8	701253	AECRS-M8-4.5ZI	1.7 – 4.5	14.7	17.6
	701257	AECRS-M8-6.5ZI	4.5 – 6.5		
M10	701258	AECRS-M10-4.5ZI	1.7 – 4.5	22.1	38.9

Table 1 – Blind Threaded Inserts DEK-PEM® Cross Reference

Issue	01	02	03	04	05	06	07	08
DCR	43853							