

## CONTENTS (WWW.F-M-S.DK)

### 0 INTRODUCTION

0.01 First Page	1 page
0.02 Contents	1 page
0.03 Introduction	1 page

### 1 BASIC INFORMATION ON SCREW THREADS

1.01 THE MOST IMPORTANT DIMENSIONS ON A SCREW THREAD	1 page
1.02 SCREW THREAD TYPES AND THEIR USE	1 page
1.03 BASIC SCREW THREAD TOLERANCES AND THEIR SIGNIFICANCE	1 page
1.04 INFORMATION ON METRIC (M), AMERICAN (UNC) AND PIPE THREADS	4 pages
1.05 THREAD ROOT TOLERANCE AREA FOR METRIC AND US (AMERICAN) UN THREADS	1 page
1.06 FLANK ANGLE TOLERANCES FOR METRIC AND UN (Unified Inch) THREADS	1 page
1.07 THREADS AND PITCHES	1 page
1.08 BORE DIAMETERS AND TOLERANCES FOR INTERNAL THREADS	4 pages

### 2 NOMINAL PITCH DIAMETER ( $d_2$ / $D_2$ )

2.01 CALCULATING NOMINAL PITCH DIAMETER $D_2$ / $d_2$	2 pages
2.02 NOMINAL PITCH DIAMETER ( $D_2$ og $d_2$ ) FOR METRIC SCREW THREADS	4 pages
2.03 INFORMATION ON STANDARD M, UNC, WHITWORTH PIPE THREADS (G) & WHITWORTH AND THEIR PITCH DIAMETER TOLERANCES	1 page

### 3 PITCH DIAMETER TOLERANCES FOR NORMAL AND/OR STANDARD SCREW THREADS

3.0 PITCH DIAMETER TOLERANCES - METRIC SCREW THREADS From M3 - M180 mm and pitches from 0,5 - 8 mm	1 page
3.1 METRIC (M) External $d_2$	15 pages
3.01.1 M-6g (standard)	
3.01.2 M-4h	1 page
3.01.3 M-6e	1 page
3.01.4 M-6f	1 page
3.2 METRIC (M) Internal $D_2$	
3.02.1 M-6H (standard)	1 page
3.02.2 M-5H	1 page
3.02.3 M-6G	1 page
3.02.4 M-7H	1 page
3.3 ISO INCH (UNC, UNF) External $d_2$	
3.03.1 UNC-1A	1 page
3.03.2 UNC-2A (standard)	1 page
3.03.3 UNC-3A	1 page
3.03.4 UNF-1A	1 page
3.03.5 UNF-2A (standard)	1 page
3.03.6 UNF-3A	1 page
3.4 ISO INCH (UNC, UNF) Internal $D_2$	
3.04.1 UNC-1B	1 page
3.04.2 UNC-2B (standard)	1 page
3.04.3 UNC-3B	1 page
3.04.4 UNF-1B	1 page
3.04.5 UNF-2B (standard)	1 page
3.04.6 UNF-3B	1 page
3.05 ISO 228 PIPE THREADS BSP / G (WHERE PRESSURE-TIGHT JOINTS ARE NOT MADE ON THE THREADS)	1 page
3.06 TAPERED PIPE THREADS R, Rc & NPT - PITCH DIAMETER	1 page
3.07 AMERICAN PIPE THREADS 60° - NPSM & NPSL	1 page
3.08 WHITWORTH THREADS - BSW & BSF	2 pages
3.09 STEEL CONDUIT THREAD - Pg (Pr)	1 page
3.10 KNUCKLE THREAD - Rd	2 pages
3.11 ISO METRIC TRAPEZOIDAL SCREW THREADS - Tr	4 pages
3.12 ACME SCREW THREADS (2G, 3G and 4G)	2 pages
4 SCREW THREAD INSPECTION & MEASUREMENT	
4.01 ADVANTAGES & DISADVANTAGES USING DIFFERENT METHODS	2 pages
4.02 WORTH KNOWING WHEN SCREW PLUG AND - RING GAUGES ARE USED FOR INSPECTION	2 pages
4.03 MEASURING WITH WIRES	1 page
4.03 THREAD INSPECTION USING THREAD PLUG AND RING GAUGES	1 page
5 COMPANY RELEVANT (screw thread information and/or tables can be made to specific wishes for a company)	1 page
6 MISCELLANEOUS INFORMATION	
6.1a Thread pitch diameter tolerances for standard threads	
6.1b Flankendurchmessertoleranzen für Standardgewinde	
6.1c Delediametertolerancer for standard gevind	
6.2 Thread root area	
6.3 Flank angle tolerances	
6.4 Thread gauge tolerances	
6.5 Screw thread inserts for measuring diameters $d_1$ and $D$	
6.6 Measuring $D$ and $d_1$	
6.7 <a href="http://calc.homepage.dk/metricthread.htm">http://calc.homepage.dk/metricthread.htm</a>	