



LANCASTER

UNIFIED - ANSI B1.1

ROLLED THREAD

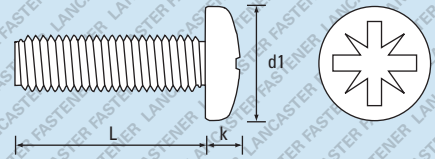
Machine Screws

GRADE 4.8

Cross Recess (Z) Pan

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Further technical data is available on page 242

ANSI B18.6.4

Thread	2.56 UNC	4.40 UNC	6.32 UNC	8.32 UNC	10.24 UNC	1/4" - 20 UNC	-	-	Thread
Dia. D max	-	-	-	-	-	-	-	-	Dia. D max
Dia. C max	-	-	-	-	-	-	-	-	Dia. C max
d1 - max	0.167	0.219	0.270	0.322	0.373	0.492	-	-	d1 - max
k - max	0.062	0.080	0.097	0.115	0.133	0.175	-	-	k - max
Recess	1	1	2	2	2	3	-	-	Recess
L- Length ins	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000								L- Length ins
	1/8	120,000 1,000 0.16	50,000 1,000 0.32	28,000 1,000 0.61					
3/16	95,000 1,000 0.20	50,000 1,000 0.38	27,000 1,000 0.68					3/16	
1/4	80,000 1,000 0.23	45,000 1,000 0.43	25,000 1,000 0.77	18,000 1,000 1.24	12,000 1,000 1.83	6,000 500 3.81		1/4	
5/16		38,000 1,000 0.49	16,000 1,000 0.86	15,000 1,000 1.38	12,000 1,000 1.99			5/16	
3/8		29,000 1,000 0.55	16,000 1,000 0.94	15,000 1,000 1.50	11,000 1,000 2.13	5,000 500 4.43		3/8	
7/16		25,000 1,000 0.60		13,000 1,000 1.63	10,000 1,000 2.25			7/16	
1/2	52,000 1,000 0.36	25,000 1,000 0.66	16,000 1,000 1.01	13,000 1,000 1.74	8,000 1,000 2.47	4,000 500 4.97		1/2	
5/8		25,000 1,000 0.75	14,000 1,000 1.27			3,000 500 5.56		5/8	
3/4		15,000 1,000 0.86			6,000 1,000 3.07	3,000 500 6.12		3/4	
7/8			11,000 1,000 1.59	7,000 1,000 2.49	6,000 500 3.41	3,000 250 6.69		7/8	
1			10,000 1,000 1.74			2,000 250 7.32		1	
-								-	
-								-	
-								-	
-								-	
-								-	

Zinc Plated (CR3) - preferred and available from stock
Black (CR3) - non preferred and subject to a lead time and MOQ.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMUCZPAN29130ZC
MSMUCZPAN42190ZN

PRODUCT DESCRIPTION EXAMPLE

4.40 UNC x 1/2 Cross Recess (Z) Pan Unified Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
8.32 UNC x 3/4 Cross Recess (Z) Pan Unified Machine Screw Grade 4.8 Steel / Black (CR3)

180° & 360° NYLOK® Blue Patching service available.

See page 267 for further detail.

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Carbon Steel Product Ranges

Stainless Steel Product Ranges

Brass Product Ranges

Technical Data

**LANCASTER**

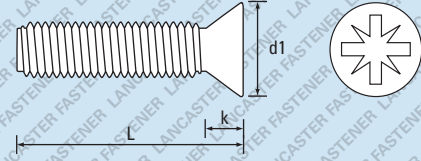
ROLLED THREAD

Machine Screws

GRADE 4.8

**UNIFIED - ANSI B1.1****Cross Recess (Z) Countersunk****Steel / Zinc Plated (CR3) & Steel / Black (CR3)**

RoHS 2 Compliant



Further technical data is available on page 242

ANSI B18.6.4

Thread	2.56 UNC	4.40 UNC	6.32 UNC	8.32 UNC	10.24 UNC	¼" - 20 UNC	-	-	Thread
Dia. D max	-	-	-	-	-	-	-	-	Dia. D max
Dia. C max	-	-	-	-	-	-	-	-	Dia. C max
d1 - max	0.172	0.225	0.279	0.332	0.385	0.507	-	-	d1 - max
k - ref	0.051	0.067	0.083	0.100	0.116	0.153	-	-	k - ref
Recess	1	1	2	2	2	3	-	-	Recess
L- Length ins	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000								L- Length ins
1/8									1/8
3/16			40,000 1,000 0.38						3/16
1/4	60,000 1,000 0.32	40,000 1,000 0.45	28,000 1,000 0.73	24,000 1,000 1.02					1/4
5/16	95,000 1,000 0.20	50,000 1,000 0.39	35,000 1,000 0.55						5/16
3/8	80,000 1,000 0.24	45,000 1,000 0.43	30,000 1,000 0.62	20,000 1,000 0.99		8,000 1,000 2.76			3/8
7/16	40,000 1,000 0.48		15,000 1,000 1.11						7/16
1/2	35,000 1,000 0.54	25,000 1,000 0.79			6,000 500 3.33				1/2
5/8	30,000 1,000 0.65	15,000 1,000 0.97	12,000 1,000 1.50	10,000 1,000 1.99	5,000 500 3.87				5/8
3/4	16,000 1,000 0.76		10,000 1,000 1.75	8,000 1,000 2.30	4,000 500 4.44				3/4
7/8	16,000 1,000 0.89	13,000 1,000 1.29							7/8
1		10,000 1,000 1.46	7,000 1,000 2.27	5,000 1,000 2.95	3,000 500 5.59				1
-									-
-									-
-									-
-									-
-									-

Zinc Plated (CR3) - preferred and available from stock.
 Black (CR3) - non preferred and subject to a lead time and MOQ.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMUCZCSK42190ZC
 MSMUCZCSK35160ZN

PRODUCT DESCRIPTION EXAMPLE

8.32 UNC x 3/4 Cross Recess (Z) Countersunk Unified Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
 6.32 UNC x 5/8 Cross Recess (Z) Countersunk Unified Machine Screw Grade 4.8 Steel / Black (CR3)

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180° & 360° NYLOK® Blue Patching service available.

See page 267 for further detail.

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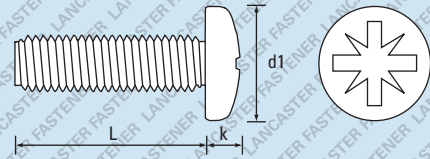
Machine Screws

GRADE 4.8

Cross Recess (Z) Pan

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Also available in A2 Stainless Steel - See page 171

Further technical data is available on page 241

Table with columns for Thread (M1.6 to M8), Dia. Gauge, d1-max, k-max, s-A/F, Recess, L-Length mm, Bulk Carton Quantity, Small Box Quantity, Weight (KG) per 1,000.

Zinc Plated (CR3) - preferred and available from stock. Black (CR3) - non preferred and subject to a lead time and MOQ (M2.5 and above). Zinc Plated (CR3) & Black (CR3) - preferred and available from stock. See page 267 for further detail.

Table with columns: PRODUCT CODE EXAMPLE, PRODUCT DESCRIPTION EXAMPLE. Examples include MSMZPAN50020ZC and MSMZPAN60016ZN.

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**CASTLE®**

Low priced, bulk packed, commodity size ranges

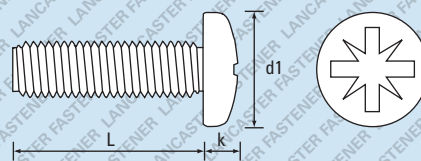
ROLLED THREAD

Machine Screws

GRADE 4.8

**DIN 7985****Cross Recess (Z) Pan****Steel / Zinc Plated (CR3)**

RoHS 2 Compliant



Also available in A2 Stainless Steel - See page 172

Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.20	4.00	5.00	6.00	7.00	8.00	10.00	12.00	16.00	d1 - max
k - max	1.42	1.72	2.12	2.52	2.82	3.25	3.95	4.75	6.15	k - max
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	0	1	1	1	2	2	2	3	4	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3										3
4										4
5										5
6				34,000 N/A 0.71		15,000 N/A 1.47	8,000 N/A 2.66			6
8				26,000 N/A 0.80		14,000 N/A 1.63	7,500 N/A 2.91			8
10				22,000 N/A 0.88		12,000 N/A 1.79	6,500 N/A 3.16	4,200 N/A 5.24		10
12				21,000 N/A 0.95		11,000 N/A 1.94	6,000 N/A 3.41	4,000 N/A 5.49		12
16				19,000 N/A 1.11		10,000 N/A 2.25	6,000 N/A 3.91	3,400 N/A 6.29		16
20				15,000 N/A 1.27		8,000 N/A 2.56	5,000 N/A 4.41	3,000 N/A 7.00		20
25						7,000 N/A 2.94	4,000 N/A 5.03	2,500 N/A 7.87		25
30							3,500 N/A 5.70	2,500 N/A 8.75		30
35										35
40										40
45										45
50										50
55										55
60										60
70										70
80										80
90										90
100										100

 Zinc Plated (CR3) - preferred and available from stock.

PRODUCT CODE EXAMPLE

STM5MZPAN50020ZC

PRODUCT DESCRIPTION EXAMPLE

M5 x 20 Cross Recess (Z) Pan DIN 7985 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)

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Carbon Steel Product Ranges

Stainless Steel Product Ranges

Brass Product Ranges

Technical Data



ROLLED THREAD

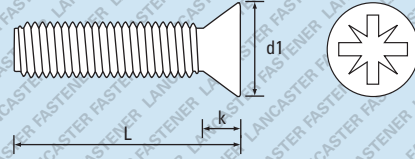
Machine Screws

GRADE 4.8

Cross Recess (Z) Countersunk

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Also available in A2 Stainless Steel - See page 173

Further technical data is available on page 241

Table with columns for Thread, Dia. Gauge, d1-max, k-ref, s-A/F, Recess, L-Length mm, Bulk Carton Quantity, Small Box Quantity, Weight (KG) per 1,000, and L-Length mm. Rows include thread sizes from M1.6 to M100.

Zinc Plated (CR3) - preferred and available from stock. Black (CR3) - non preferred and subject to a lead time and MOQ (M2.5 and above). Zinc Plated (CR3) & Black (CR3) - preferred and available from stock. See page 267 for further detail.

Table with columns for PRODUCT CODE EXAMPLE and PRODUCT DESCRIPTION EXAMPLE. Examples include MSMZCSK60050ZC and MSMZCSK50030ZN.

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**CASTLE®**

Low priced, bulk packed, commodity size ranges

ROLLED THREAD

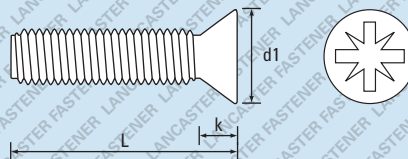
Machine Screws

GRADE 4.8

**Cross Recess (Z) Countersunk**

Steel / Zinc Plated (CR3)

RoHS 2 Compliant



Also available in A2 Stainless Steel - See page 174

Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.00	3.80	4.70	5.60	6.50	7.50	9.20	11.00	14.50	d1 - max
k - ref	0.96	1.20	1.50	1.65	1.93	2.20	2.50	3.00	4.00	k - ref
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	0	1	1	1	2	2	2	3	4	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3										3
4										4
5										5
6				50,000 N/A 0.38		26,000 N/A 0.76				6
8				45,000 N/A 0.47		22,000 N/A 0.91	12,000 N/A 1.45			8
10				35,000 N/A 0.56		19,000 N/A 1.06	11,500 N/A 1.70	8,000 N/A 2.53		10
12				30,000 N/A 0.64		17,000 N/A 1.22	10,000 N/A 1.95	7,000 N/A 2.89		12
16				25,000 N/A 0.82		14,000 N/A 1.53	8,000 N/A 2.44	5,500 N/A 3.60		16
20				21,000 N/A 1.00		12,000 N/A 1.84	7,000 N/A 2.94	4,800 N/A 4.31		20
25						9,000 N/A 2.22	5,500 N/A 3.55	4,000 N/A 5.19		25
30							5,000 N/A 4.16	3,200 N/A 6.08		30
35										35
40										40
45										45
50										50
55										55
60										60
70										70
80										80
90										90
100										100

 Zinc Plated (CR3) - preferred and available from stock.

PRODUCT CODE EXAMPLE

STMSMZCSK50012ZC

PRODUCT DESCRIPTION EXAMPLE

M5 x 12 Cross Recess (Z) Countersunk DIN 965 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)

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DIN 7985

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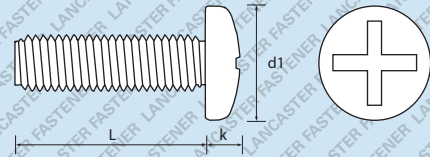
Machine Screws

GRADE 4.8

Cross Recess (H) Pan

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.20	4.00	5.00	6.00	7.00	8.00	10.00	12.00	16.00	d1 - max
k - max	1.42	1.72	2.12	2.52	2.82	3.25	3.95	4.75	6.15	k - max
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	0	1	1	1	2	2	2	3	4	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
	3									
4	125,000 1,000	60,000 1,000	40,000 1,000							4
5		55,000 1,000	35,000 1,000			15,000 1,000				5
6		53,000 1,000	34,000 1,000			15,000 1,000	8,000 1,000			6
8		41,000 1,000	26,000 1,000			14,000 1,000	7,500 1,000			8
10		34,000 1,000	22,000 1,000			12,000 1,000	6,500 1,000	4,200 500	5.24	10
12		33,000 1,000	21,000 1,000			11,000 1,000	6,000 1,000	4,000 500	5.49	1,700 250 11.40
14										14
16		27,000 1,000	19,000 1,000			10,000 1,000	6,000 500	3,400 500	6.29	1,500 250 12.80
18										18
20		24,000 1,000	15,000 1,000			8,000 1,000	5,000 500	3,000 500	7.00	1,400 250 14.20
22										22
25		18,000 1,000	13,000 1,000			7,000 1,000	4,000 500	2,500 250	7.87	1,200 125 15.80
30						6,000 500	3,500 500	2,500 250	8.75	
35						5,000 500	3,000 500	2,200 250	9.60	
40						4,500 500	2,800 250	2,000 250	10.50	
45						3,000 500	2,500 250	1,800 250	11.40	
50						2,500 250	2,300 250	1,600 250	12.30	
55										55
60							1,500 250		8.94	60
70										70
80										80
90										90
100										100

Zinc Plated (CR3) - preferred and available from stock.
Black (CR3) - non preferred and subject to a lead time and MOQ.

Zinc Plated (CR3) & Black (CR3) - preferred and available from stock.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMHAN50016ZC
MSMHAN60010ZN

PRODUCT DESCRIPTION EXAMPLE

M5 x 16 Cross Recess (H) Pan DIN 7985 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
M6 x 10 Cross Recess (H) Pan DIN 7985 Machine Screw Grade 4.8 Steel / Black (CR3)

180° & 360° NYLOK® Blue Patching service available on M2 dia. and above.

See page 267 for further detail.

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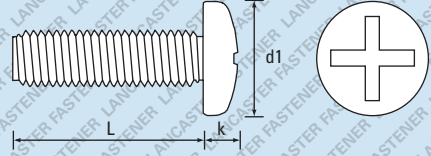
**CASTLE®**

Low priced, bulk packed, commodity size ranges

ROLLED THREAD

Machine Screws

GRADE 4.8

**Cross Recess (H) Pan****Steel / Zinc Plated (CR3)**

RoHS 2 Compliant

Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.20	4.00	5.00	6.00	7.00	8.00	10.00	12.00	16.00	d1 - max
k - max	1.42	1.72	2.12	2.52	2.82	3.25	3.95	4.75	6.15	k - max
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	0	1	1	1	2	2	2	3	4	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3										3
4										4
5										5
6				34,000 N/A 0.71		15,000 N/A 1.47	8,000 N/A 2.66			6
8				26,000 N/A 0.80		14,000 N/A 1.63	7,500 N/A 2.91			8
10				22,000 N/A 0.88		12,000 N/A 1.79	6,500 N/A 3.16	4,200 N/A 5.24		10
12				21,000 N/A 0.95		11,000 N/A 1.94	6,000 N/A 3.41	4,000 N/A 5.49		12
16				19,000 N/A 1.11		10,000 N/A 2.25	6,000 N/A 3.91	3,400 N/A 6.29		16
20				15,000 N/A 1.27		8,000 N/A 2.56	5,000 N/A 4.41	3,000 N/A 7.00		20
25						7,000 N/A 2.94	4,000 N/A 5.03	2,500 N/A 7.87		25
30							3,500 N/A 5.70	2,500 N/A 8.75		30
35										35
40										40
45										45
50										50
55										55
60										60
70										70
80										80
90										90
100										100

 Zinc Plated (CR3) - preferred and available from stock.

PRODUCT CODE EXAMPLE

STMSMHPAN50020ZC

PRODUCT DESCRIPTION EXAMPLE

M5 x 20 Cross Recess (H) Pan DIN 7985 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)

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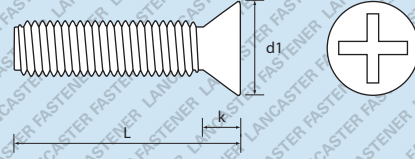
Machine Screws

GRADE 4.8

Cross Recess (H) Countersunk

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.00	3.80	4.70	5.60	6.50	7.50	9.20	11.00	14.50	d1 - max
k - ref	0.96	1.20	1.50	1.65	1.93	2.20	2.50	3.00	4.00	k - ref
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	0	1	1	1	2	2	2	3	4	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3										3
4				55,000 1,000 0.25						4
5		100,000 1,000 0.20	50,000 1,000 0.34			26,000 1,000 0.76				5
6		90,000 1,000 0.23	50,000 1,000 0.38			26,000 1,000 0.80	16,000 1,000 1.21			6
8		67,000 1,000 0.28	45,000 1,000 0.47			22,000 1,000 0.91	12,000 1,000 1.45			8
10		56,000 1,000 0.34	35,000 1,000 0.56			19,000 1,000 1.06	11,500 1,000 1.70	8,000 1,000 2.68		10
12		48,000 1,000 0.38	30,000 1,000 0.64			17,000 1,000 1.22	10,000 1,000 1.95	7,000 1,000 2.89	3,600 500 5.67	12
16		35,000 1,000 0.50	25,000 1,000 0.82			14,000 1,000 1.53	8,000 1,000 2.44	5,500 500 3.60	3,000 500 6.94	16
20			21,000 1,000 1.00			12,000 1,000 1.84	7,000 1,000 2.94	4,800 500 4.31	2,500 250 8.21	20
25			16,000 1,000 1.22			9,000 1,000 2.22	5,500 500 3.55	4,000 500 5.19	2,000 250 9.79	25
30			13,000 1,000 1.35			8,000 1,000 2.61	5,000 500 4.16	3,200 250 6.08		30
35						7,000 1,000 3.00	4,200 500 4.65	3,000 250 6.96		35
40						5,000 500 3.38	3,600 500 5.40	2,500 250 7.84		40
45						4,500 500 3.76	3,200 250 6.02	1,800 250 8.73		45
50						3,500 500 4.15	2,000 250 6.65	1,800 250 9.61		50
55										55
60							1,700 250 8.94			60
70										70
80										80
90										90
100										100

Zinc Plated (CR3) - preferred and available from stock.
Black (CR3) - non preferred and subject to a lead time and MOQ.

Zinc Plated (CR3) & Black (CR3) - preferred and available from stock.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMHCSK40016ZC
MSMHCSK30012ZN

PRODUCT DESCRIPTION EXAMPLE

M4 x 16 Cross Recess (H) Countersunk DIN 965 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
M3 x 12 Cross Recess (Z) Countersunk DIN 965 Machine Screw Grade 4.8 Steel / Black (CR3)

180° & 360° NYLOK® Blue Patching service available on M2 dia. and above.

See page 267 for further detail.

NYLOK® is a registered trade mark of NYLOK®.

**CASTLE®**

Low priced, bulk packed, commodity size ranges

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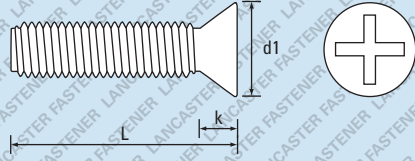
Machine Screws

GRADE 4.8

**Cross Recess (H) Countersunk**

Steel / Zinc Plated (CR3)

RoHS 2 Compliant



Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.00	3.80	4.70	5.60	6.50	7.50	9.20	11.00	14.50	d1 - max
k - ref	0.96	1.20	1.50	1.65	1.93	2.20	2.50	3.00	4.00	k - ref
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	0	1	1	1	2	2	2	3	4	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3										3
4										4
5										5
6				50,000 N/A 0.38		26,000 N/A 0.76				6
8				45,000 N/A 0.47		22,000 N/A 0.91	12,000 N/A 1.45			8
10				35,000 N/A 0.56		19,000 N/A 1.06	11,500 N/A 1.70	8,000 N/A 2.53		10
12				30,000 N/A 0.64		17,000 N/A 1.22	10,000 N/A 1.95	7,000 N/A 2.89		12
16						14,000 N/A 1.53	8,000 N/A 2.44	5,500 N/A 3.60		16
20				21,000 N/A 1.00		12,000 N/A 1.84	7,000 N/A 2.94	4,800 N/A 4.31		20
25						9,000 N/A 2.22	5,500 N/A 3.55	4,000 N/A 5.19		25
30							5,000 N/A 4.16	3,200 N/A 6.08		30
35										35
40										40
45										45
50										50
55										55
60										60
70										70
80										80
90										90
100										100

 Zinc Plated (CR3) - preferred and available from stock.

PRODUCT CODE EXAMPLE

STMSMHCSK50012ZC

PRODUCT DESCRIPTION EXAMPLE

M5 x 12 Cross Recess (H) Countersunk DIN 965 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)

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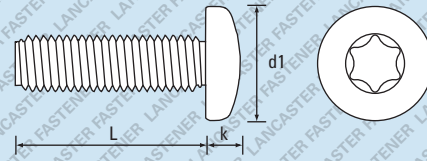
Machine Screws

GRADE 4.8

T-Drive® (6-Lobe) Pan

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Also available in A2 & A4-80 Stainless Steel - See pages 175 & 217

Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.20	4.00	5.00	6.00	7.00	8.00	10.00	12.00	16.00	d1 - max
k - max	1.42	1.72	2.12	2.52	2.82	3.25	3.95	4.75	6.15	k - max
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	T5	T6	T8	T10	T15	T20	T25	T30	T40	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3	222,000 1,000 0.28									3
4	200,000 1,000 0.28	125,000 1,000 0.27	60,000 1,000 0.34	40,000 1,000 0.54						4
5	182,000 1,000 0.28	100,000 1,000 0.28	55,000 1,000 0.36	35,000 1,000 0.58		15,000 1,000 1.30				5
6	167,000 1,000 0.29	87,000 1,000 0.28	53,000 1,000 0.37	34,000 1,000 0.64	26,000 1,000 0.84	15,000 1,000 1.30	8,000 1,000 2.37			6
8	143,000 1,000 0.29	67,000 1,000 0.29	41,000 1,000 0.43	26,000 1,000 0.71		14,000 1,000 1.46	7,500 1,000 2.85	4,500 500 4.60		8
10		60,000 1,000 0.31	34,000 1,000 0.49	22,000 1,000 0.80		12,000 1,000 1.61	6,500 1,000 2.91	4,200 500 4.60		10
12		50,000 1,000 0.32	33,000 1,000 0.55	21,000 1,000 0.88		11,000 1,000 1.70	6,000 1,000 3.08	4,000 500 4.95		12
14			21,000 1,000 0.95			10,000 1,000 1.87	6,000 1,000 3.66			14
16		50,000 1,000 0.33	27,000 1,000 0.59	19,000 1,000 1.04		10,000 1,000 2.07	6,000 500 3.49	3,400 500 5.63	1,500 250 11.91	16
18							5,000 500 4.16			18
20			24,000 1,000 0.65	15,000 1,000 1.27		8,000 1,000 2.38	5,000 500 3.97	3,000 500 6.41	1,400 250 13.14	20
25			18,000 1,000 0.70	13,000 1,000 1.43		7,000 1,000 2.72	4,000 500 4.65	2,500 250 7.23	1,200 250 14.68	25
30				10,000 1,000 1.71		6,000 500 3.12	3,500 500 5.23	2,500 250 7.96		30
35				9,000 1,000 1.71		5,000 500 3.37	3,000 500 5.87	2,200 250 8.92		35
40				5,000 500 2.19		4,500 500 3.74	2,800 250 7.40	2,000 250 9.65		40
45				4,000 500 2.44		3,000 500 4.94	2,500 250 7.40	1,800 250 10.38		45
50						2,500 250 5.44	2,300 250 7.98	1,600 250 11.35		50
55										55
60										60
70										70
80										80
90										90
100										100

Zinc Plated (CR3) - preferred and available from stock.
 Black (CR3) - non preferred and subject to a lead time and MOQ (M2.5 and above).
 Zinc Plated (CR3) & Black (CR3) - preferred and available from stock.
 See page 267 for further detail.

PRODUCT CODE EXAMPLE	PRODUCT DESCRIPTION EXAMPLE
MSMTPAN40012ZC	M4 x 12 T-Drive® Pan DIN 7985 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
MSMTPAN60030ZN	M6 x 30 T-Drive® Pan DIN 7985 Machine Screw Grade 4.8 Steel / Black (CR3)

T-Drive® is a registered trade mark of Lancaster Fastener Co Ltd. 180° & 360° NYLOK® Blue Patching service available on M2 dia. and above. See page 267 for further detail.

E. & O. E. NYLOK® is a registered trade mark of NYLOK®.

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**LANCASTER**

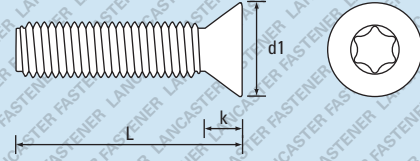
ROLLED THREAD

Machine Screws

GRADE 4.8

**DIN 965****T-Drive® (6-Lobe) Countersunk****Steel / Zinc Plated (CR3) & Steel / Black (CR3)**

RoHS 2 Compliant



Also available in A2 & A4-80 Stainless Steel - See pages 176 & 218

Further technical data is available on page 241

Thread	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.00	3.80	4.70	5.60	6.50	7.50	9.20	11.00	14.50	d1 - max
k - ref	0.96	1.20	1.50	1.65	1.93	2.20	2.50	3.00	4.00	k - ref
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	T5	T6	T8	T10	T15	T20	T25	T30	T40	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3	400,000 1,000 0.21									3
4	333,000 1,000 0.22	200,000 1,000 0.22	100,000 1,000 0.28	55,000 1,000 0.43						4
5	286,000 1,000 0.23	160,000 1,000 0.24	100,000 1,000 0.30	50,000 1,000 0.44		26,000 1,000 0.68				5
6	286,000 1,000 0.24	133,000 1,000 0.25	90,000 1,000 0.30	50,000 1,000 0.45		26,000 1,000 0.68	16,000 1,000 1.35			6
8		83,000 1,000 0.26	67,000 1,000 0.33	45,000 1,000 0.46		22,000 1,000 0.80	12,000 1,000 1.40			8
10			56,000 1,000 0.34	35,000 1,000 0.51		19,000 1,000 0.95	11,500 1,000 1.62	8,000 1,000 2.30		10
12			48,000 1,000 0.40	30,000 1,000 0.60		17,000 1,000 1.12	10,000 1,000 1.94	7,000 1,000 2.30	3,600 500 5.30	12
16			35,000 1,000 0.46	25,000 1,000 0.67		14,000 1,000 1.42	8,000 1,000 2.35	5,500 500 3.30	3,000 500 6.60	16
20			25,000 1,000 0.52	21,000 1,000 0.73		12,000 1,000 1.68	7,000 1,000 2.78	4,800 500 4.16	2,500 250 7.80	20
25				16,000 1,000 0.80		9,000 1,000 2.09	5,500 500 3.37	4,000 500 4.80		25
30				13,000 1,000 0.87		8,000 1,000 2.09	5,000 500 3.95	3,200 500 5.60		30
35						7,000 1,000 2.12	4,000 500 4.20	3,000 250 6.40		35
40						5,000 500 2.22	3,600 500 5.21	2,500 250 7.20		40
45							3,200 250 5.71	1,800 250 6.40		45
50				4,000 500 1.14		3,500 500 2.42	2,000 250 5.99			50
55										55
60										60
70										70
80										80
90										90
100										100

Zinc Plated (CR3) - preferred and available from stock.
 Black (CR3) - non preferred and subject to a lead time and MOQ (M2.5 and above).

Zinc Plated (CR3) & Black (CR3) - preferred and available from stock.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMTRCSK25005ZC
 MSMTRCSK40012ZN

PRODUCT DESCRIPTION EXAMPLE

M2.5 x 5 T-Drive® Countersunk DIN 965 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
 M4 x 12 T-Drive® Countersunk DIN 965 Machine Screw Grade 4.8 Steel / Black (CR3)

T-Drive® is a registered trade mark of Lancaster Fastener Co Ltd.

180° & 360° NYLOK® Blue Patching service available on M2 dia. and above.

E. & O. E.

See page 267 for further detail.

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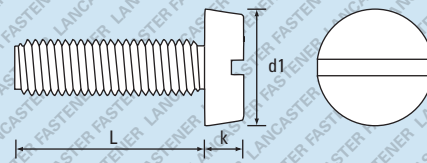
Machine Screws

GRADE 4.8

Slotted Cheese

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Further technical data is available on page 241

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	3.80	4.50	5.50	6.00	7.00	8.50	10.00	13.00	16.00	d1 - max
k - ref	1.30	1.60	2.00	2.40	2.60	3.30	3.90	5.00	6.00	k - ref
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	-	-	-	-	-	-	-	-	-	Recess
L - Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L - Length mm
3										3
4										4
5										5
6			36,000 1,000 0.51			19,000 1,000 1.00				6
8			32,000 1,000 0.60			17,000 1,000 1.15	9,000 500 1.99			8
10			28,000 1,000 0.68			15,000 1,000 1.29	8,000 500 2.24	5,500 250 3.44		10
12			25,000 1,000 0.75			13,000 1,000 1.43	7,500 500 2.48	4,000 500 3.84		12
14			23,000 1,000 0.84			12,000 1,000 1.59	7,000 500 2.71			14
16			20,000 1,000 0.94			11,000 1,000 1.73	6,500 500 2.97	3,500 500 4.53		16
20			15,000 1,000 1.11			10,000 1,000 2.02	5,500 500 3.41	3,500 250 5.14		20
25			13,000 1,000 1.32			8,000 1,000 2.39	4,500 500 4.02	3,000 250 6.03		25
30			10,000 1,000 1.53			6,000 500 2.76	3,500 250 4.61	2,500 250 6.88	1,000 125 13.37	30
35						5,000 500 3.13	3,000 250 5.25			35
40						4,500 500 3.51	3,000 250 5.76	2,000 250 8.57		40
45							2,500 250 6.44			45
50							2,500 250 6.93	1,750 250 10.29		50
55										55
60						2,000 250 4.98	1,500 250 8.21	1,500 250 11.90		60
70										70
80										80
90										90

Zinc Plated (CR3) - preferred and available from stock
Black (CR3) - non preferred and subject to a lead time and MOQ.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

PRODUCT DESCRIPTION EXAMPLE

MSMSLCHS40008ZC
MSMSLCHS30006ZN

M4 x 8 Slotted Cheese Head DIN 84 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
M3 x 6 Slotted Cheese Head DIN 84 Machine Screw Grade 4.8 Steel / Black (CR3)

180° & 360° NYLOK® Blue Patching service available.

See page 267 for further detail.

NYLOK® is a registered trade mark of NYLOK®.

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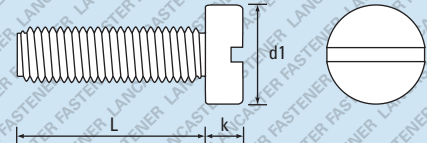
ROLLED THREAD

Machine Screws

GRADE 4.8

**DIN 85****Slotted Pan****Steel / Zinc Plated (CR3) & Steel / Black (CR3)**

RoHS 2 Compliant



Further technical data is available on page 241

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	Thread
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge
d1 - max	-	-	6.00	7.00	8.00	10.00	12.00	16.00	-	d1 - max
k - ref	-	-	1.80	2.10	2.40	3.00	3.60	4.80	-	k - ref
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F
Recess	-	-	-	-	-	-	-	-	-	Recess
L- Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L- Length mm
3										3
4										4
5										5
6			34,000 1,000 0.54			15,000 1,000 1.15				6
8						14,000 1,000 1.29				8
10			22,000 1,000 0.71			12,000 1,000 1.43	6,500 1,000 2.60			10
12			21,000 1,000 0.78			11,000 1,000 1.57	6,000 1,000 2.83	4,000 250 4.42		12
16						10,000 1,000 1.88	6,000 500 3.30	3,400 250 5.09		16
20							5,000 500 3.79	3,000 250 5.82		20
25						7,000 500 2.51	4,000 250 4.34	2,500 250 6.67		25
30						6,000 500 2.88				30
35							3,000 250 5.49			35
40										40
45										45
50						2,500 250 4.35				50
55										55
60										60
70										70
80										80
90										90
100										100

Zinc Plated (CR3) - preferred and available from stock.
 Black (CR3) - non preferred and subject to a lead time and MOQ.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMSLPAN30006ZC
 MSMSLPAN40010ZN

PRODUCT DESCRIPTION EXAMPLE

M3 x 6 Slotted Pan DIN 85 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
 M4 x 10 Slotted Pan DIN 85 Machine Screw Grade 4.8 Steel / Black (CR3)

E. & O. E.

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180° & 360° NYLOK® Blue Patching service available.

See page 267 for further detail.

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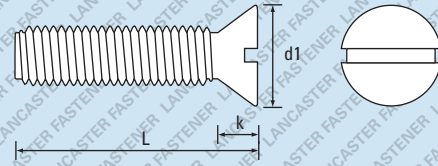
Machine Screws

GRADE 4.8

Slotted Countersunk

Steel / Zinc Plated (CR3) & Steel / Black (CR3)

RoHS 2 Compliant



Further technical data is available on page 241

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	Thread											
Dia. Gauge	-	-	-	-	-	-	-	-	-	Dia. Gauge											
d1 - max	3.80	4.70	5.60	6.50	7.50	9.20	11.00	14.50	18.00	d1 - max											
k - ref	1.20	1.50	1.65	1.93	2.20	2.50	3.00	4.00	5.00	k - ref											
s - A/F	-	-	-	-	-	-	-	-	-	s - A/F											
Recess	-	-	-	-	-	-	-	-	-	Recess											
L - Length mm	Bulk Carton Quantity Small Box Quantity Weight (KG) per 1,000									L - Length mm											
3										3											
4										4											
5										5											
6		50,000	1,000	0.36		26,000	1,000	0.76			6										
8		45,000	1,000	0.47		22,000	1,000	0.91			8										
10		35,000	1,000	0.52		19,000	1,000	0.99	11,500	1,000	1.58	10									
12						17,000	1,000	1.30	10,000	1,000	1.80	12									
16		25,000	1,000	0.77		14,000	1,000	1.45	8,000	500	2.37	5,500	500	3.36	16						
20		21,000	1,000	0.95		12,000	1,000	1.74	6,000	500	2.84	4,800	250	4.04	2,500	250	7.72	1,250	125	12.72	20
25		16,000	1,000	1.16		9,000	1,000	2.10	5,500	500	3.43	4,000	250	4.86	2,000	250	9.15	25			
30		13,000	1,000	1.37		8,000	500	2.47	5,000	500	4.01	3,200	250	5.73	1,800	250	10.76	1,000	125	18.83	30
35															900	125	20.11	35			
40						5,000	500	3.15	3,500	500	5.22	2,500	250	7.61	1,400	250	13.86	40			
45																		45			
50									2,000	250	6.40	2,000	250	9.31	1,000	125	16.92	600	125	27.55	50
55																		55			
60												1,500	125	11.01	500	125	19.84	60			
70									1,500	250	8.76	1,000	125	12.70				70			
80						1,500	250	6.17										80			
90																		90			
100																		100			

Zinc Plated (CR3) - preferred and available from stock
Black (CR3) - non preferred and subject to a lead time and MOQ.

See page 267 for further detail.

PRODUCT CODE EXAMPLE

MSMSLCSK40016ZC
MSMSLCSK60030ZN

PRODUCT DESCRIPTION EXAMPLE

M4 x 16 Slotted Countersunk DIN 963 Machine Screw Grade 4.8 Steel / Zinc Plated (CR3)
M6 x 30 Slotted Countersunk DIN 963 Machine Screw Grade 4.8 Steel / Black (CR3)