

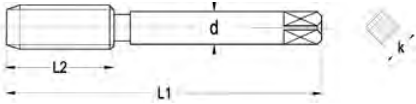


Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-2

T4010C			T4510			T4210		
TOPSELL			TOPSELL			TOPSELL		
ISO 2 6H		HSSG	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G
	Oil	blank bright		Oil	blank bright		Oil	blank bright
Form C			Form B			Form C		

15°



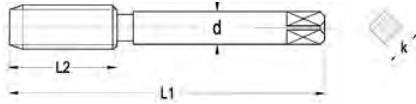
L1 mm	L2 mm	d mm	k mm	+0+	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR
40	11	3,5	2,7	2,50	M 3	0,50	881000000230030	4,20	881000000220030	6,60	881000200330030	7,30
45	13	4,5	3,4	3,30	M 4	0,70	881000000230040	4,20	881000000220040	6,70	881000200330040	7,50
50	16	6,0	4,9	4,20	M 5	0,80	881000000230050	5,20	881000000220050	7,10	881000200330050	10,80
56	19	6,0	4,9	5,00	M 6	1,00	881000000230060	5,20	881000000220060	7,10	881000200330060	10,80
63	22	6,0	4,9	6,80	M 8	1,25	881000000230080	6,40	881000000220080	7,50	881000200330080	11,40
70	24	7,0	5,5	8,50	M 10	1,50	881000000230100	7,60	881000000220100	9,60	881000200330100	14,00
75	28	9,0	7,0	10,20	M 12	1,75	881000000230120	9,30	881000000220120	14,60	881000200330120	16,90
80	30	11,0	9,0	12,00	M 14	2,00	881000000230140	15,10				
80	32	12,0	9,0	14,00	M 16	2,00	881000000230160	18,30				
95	34	14,0	11,0	15,50	M 18	2,50	881000000230180	23,30				
95	34	16,0	12,0	17,50	M 20	2,50	881000000230200	23,30				
100	34	18,0	14,5	19,50	M 22	2,50	881000000230220	26,00				
110	38	18,0	14,5	21,00	M 24	3,00	881000000230240	30,30				



Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-2

4001C			4521			4541			4221		
UNI			UNI			VG			UNI		
ISO 2 6H		HSSG	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G
	Oil Emul	blank bright		Oil	blank bright		Oil	blank bright		Oil	blank bright
Form C			Form B			Form B			Form C		



L1 mm	L2 mm	d mm	k mm	•O•	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR	CODE	EUR
40	11	3,5	2,7	2,50	M 3	0,50	401000000230030	5,90	401000000320030	9,40	401000600320030	10,40	401000200330030	9,70
45	13	4,5	3,4	3,30	M 4	0,70	401000000230040	6,20	401000000320040	11,90	401000600320040	12,90	401000200330040	12,40
50	16	6,0	4,9	4,20	M 5	0,80	401000000230050	7,70	401000000320050	12,60	401000600320050	13,80	401000200330050	12,90
56	19	6,0	4,9	5,00	M 6	1,00	401000000230060	7,90	401000000320060	13,50	401000600320060	14,40	401000200330060	13,90
56	19	6,0	4,9	6,00	M 7	1,00	401000000230070	10,20						
63	22	6,0	4,9	6,80	M 8	1,25	401000000230080	10,20	401000000320080	14,90	401000600320080	16,10	401000200330080	15,20
70	24	7,0	5,5	8,50	M 10	1,50	401000000230100	13,50	401000000320100	15,90	401000600320100	17,70	401000200330100	17,10
75	28	9,0	7,0	10,20	M 12	1,75	401000000230120	18,60	401000000320120	21,90	401000600320120	23,50	401000200330120	23,20
80	30	11,0	9,0	12,00	M 14	2,00	401000000230140	19,10	401000000320140	24,70			401000200330140	31,40
80	32	12,0	9,0	14,00	M 16	2,00	401000000230160	32,10	401000000320160	33,90			401000200330160	43,20
95	34	14,0	11,0	15,50	M 18	2,50	401000000230180	33,00	401000000320180	42,60			401000200330180	54,00
95	34	16,0	12,0	17,50	M 20	2,50	401000000230200	36,40	401000000320200	45,80			401000200330200	58,20
100	34	18,0	14,5	19,50	M 22	2,50	401000000230220	32,10	401000000320220	59,00			401000200330220	82,00
110	38	18,0	14,5	21,00	M 24	3,00	401000000230240	40,40	401000000320240	66,10			401000200330240	91,80
110	38	20,0	16,0	24,00	M 27	3,00	401000000230270	62,60						
125	45	22,0	18,0	26,50	M 30	3,50	401000000230300	83,30						
125	50	25,0	20,0	29,50	M 33	3,50	401000000230330	146,00						
150	56	28,0	22,0	32,00	M 36	4,00	401000000230360	175,00						
150	60	32,0	24,0	35,00	M 39	4,00	401000000230390	204,00						
150	60	32,0	24,0	37,50	M 42	4,50	401000000230420	235,00						
160	65	36,0	29,0	40,50	M 45	4,50	401000000230450	263,00						
180	70	36,0	29,0	43,00	M 48	5,00	401000000230480	355,00						
180	70	40,0	32,0	47,00	M 52	5,00	401000000230520	401,00						

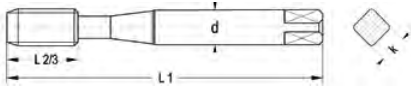


Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-1

T5010C			5021C			5011C			5221		
TOPSELL			UNI			UNI			UNI		
ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G
	Oil	blank bright		Oil	blank bright		Oil	blank bright		Oil	blank bright
Form C			Form C			Form C			Form C		

15°



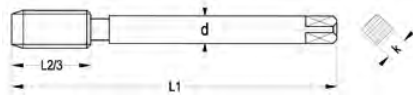
L1 mm	L2 mm	d mm	k mm	Ø <sub>a</sub>	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR	CODE	EUR
56	11	3,5	2,7	2,50	<b>M 3</b>	0,50	831000000330030	6,70	501000000330030	10,60	501100000330030	21,60	501000200330030	14,20
56	12	4,0	3,0	2,90	<b>M 3,5</b>	0,60			501000000330035	12,50				
63	13	4,5	3,4	3,30	<b>M 4</b>	0,70	831000000330040	6,70	501000000330040	10,60	501100000330040	21,60	501000200330040	14,20
70	16	6,0	4,9	4,20	<b>M 5</b>	0,80	831000000330050	7,10	501000000330050	11,10	501100000330050	22,70	501000200330050	14,90
80	19	6,0	4,9	5,00	<b>M 6</b>	1,00	831000000330060	7,10	501000000330060	11,10	501100000330060	22,70	501000200330060	14,90
80	19	7,0	5,5	6,00	<b>M 7</b>	1,00			501000000330070	16,50				
90	22	8,0	6,2	6,80	<b>M 8</b>	1,25	831000000330080	8,90	501000000330080	14,00	501100000330080	28,80	501000200330080	18,90
100	24	10,0	8,0	8,50	<b>M 10</b>	1,50	831000000330100	10,10	501000000330100	15,80	501100000330100	32,40	501000200330100	21,90



Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-1

T6010C			6021C			6011C			6221		
TOPSELL			UNI			UNI			UNI		
ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G	ISO 2 6H		HSSE- G
	Oil	blank bright		Oil	blank bright		Oil	blank bright		Oil	blank bright
Form C			Form C			Form C			Form C		



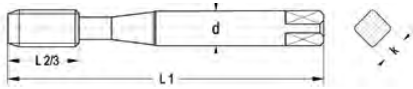
L1 mm	L2 mm	d mm	k mm	→O+	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR	CODE	EUR
56	11	2,2	-	2,50	M 3	0,50			51100000330030	13,50				
63	13	2,8	2,1	3,30	M 4	0,70			51100000330040	13,50				
70	16	3,5	2,7	4,20	M 5	0,80			51100000330050	14,20				
80	19	4,5	3,4	5,00	M 6	1,00			51100000330060	14,20				
90	22	6,0	4,9	6,80	M 8	1,25			51100000330080	17,80				
100	24	7,0	5,5	8,50	M 10	1,50			51100000330100	20,10				
110	28	9,0	7,0	10,20	M 12	1,75	84100000330120	12,60	51100000330120	25,20	51100000330120	40,50	511000200330120	31,60
110	30	11,0	9,0	12,00	M 14	2,00	84100000330140	19,40	51100000330140	38,80	51100000330140	62,20	511000200330140	45,50
110	32	12,0	9,0	14,00	M 16	2,00	84100000330160	22,10	51100000330160	44,20	51100000330160	71,10	511000200330160	48,00
125	34	14,0	11,0	15,50	M 18	2,50	84100000330180	32,00	51100000330180	60,40	51100000330180	85,80	511000200330180	71,20
140	34	16,0	12,0	17,50	M 20	2,50	84100000330200	42,50	51100000330200	85,00	51100000330200	114,00	511000200330200	100,00
140	34	18,0	14,5	19,50	M 22	2,50	84100000330220	45,00	51100000330220	90,00	51100000330220	144,00	511000200330220	111,00
160	38	18,0	14,5	21,00	M 24	3,00	84100000330240	48,50	51100000330240	97,00	51100000330240	156,00	511000200330240	113,00
160	38	20,0	16,0	24,00	M 27	3,00	84100000330270	83,90	51100000330270	118,00			511000200330270	142,00
180	45	22,0	18,0	26,50	M 30	3,50	84100000330300	86,60	51100000330300	181,00			511000200330300	213,00
180	50	25,0	20,0	29,50	M 33	3,50			51100000330330	243,00			511000200330330	299,00
200	56	28,0	22,0	32,00	M 36	4,00			51100000330360	248,00			511000200330360	342,00
200	60	32,0	24,0	35,00	M 39	4,00			51100000330390	307,00				
200	60	32,0	24,0	37,50	M 42	4,50			51100000330420	415,00				
220	65	36,0	29,0	40,50	M 45	4,50			51100000330450	456,00				
250	70	36,0	29,0	43,00	M 48	5,00			51100000330480	527,00				
250	70	40,0	32,0	47,00	M 52	5,00			51100000330520	589,00				
250	70	40,0	32,0	51,50	M 56	5,50			51100000330560	728,00				
280	75	45,0	35,0	54,50	M 60	5,50			51100000330600	798,00				
315	80	50,0	39,0	58,00	M 64	6,00			51100000330640	889,00				
315	80	50,0	39,0	62,00	M 68	6,00			51100000330680	927,00				



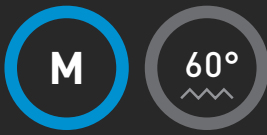
Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-1

T5510			T5501			F5521			5561		
TOPSELL			TOPSELL			UNI			UNI		
ISO 2 6H		HSSE-G	ISO 2 6H		HSSG	ISO 2 6H		HSSE-V3	ISO 3 6G		HSSE-G
	Oil	blank bright		Oil	blank bright		Oil	blank bright		Oil	blank bright
Form B			Form B			Form B			Form B		



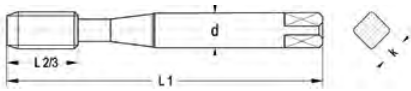
L1 mm	L2 mm	d mm	k mm	$\gamma$	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR	CODE	EUR
45	8	2,8	2,1	1,60	M 2	0,40					501050000420020	23,90		
45	9	2,8	2,1	1,75	M 2,2	0,45					501050000420022	23,90		
45	9	2,8	2,1	1,90	M 2,3	0,40					501050000420023	22,40		
50	9	2,8	2,1	2,05	M 2,5	0,45					501050000420025	22,40		
50	9	2,8	2,1	2,10	M 2,6	0,45					501050000420026	22,40		
56	11	3,5	2,7	2,50	M 3	0,50	831000000320030	7,20	831000000020030	5,90	501050000420030	12,40	501000001320030	19,30
56	12	4,0	3,0	2,90	M 3,5	0,60					501050000420035	14,30		
63	13	4,5	3,4	3,30	M 4	0,70	831000000320040	7,20	831000000020040	5,90	501050000420040	12,40	501000001320040	19,30
70	16	6,0	4,9	4,20	M 5	0,80	831000000320050	7,50	831000000020050	6,10	501050000420050	12,90	501000001320050	21,00
80	19	6,0	4,9	5,00	M 6	1,00	831000000320060	7,50	831000000020060	6,10	501050000420060	12,90	501000001320060	21,00
80	19	7,0	5,5	6,00	M 7	1,00					501050000420070	19,20		
90	22	8,0	6,2	6,80	M 8	1,25	831000000320080	9,60	831000000020080	7,40	501050000420080	15,10	501000001320080	24,30
100	24	10,0	8,0	8,50	M 10	1,50	831000000320100	10,80	831000000020100	8,70	501050000420100	17,00	501000001320100	29,30



Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-1

T5310			T5301			F5321			5361		
TOPSELL			TOPSELL			UNI			UNI		
ISO 2 6H	↻	HSSE- G	ISO 2 6H	↻	HSSG	ISO 2 6H	↻	HSSE- V3	ISO 3 6G	↻	HSSE- G
☑	Oil	blank bright	☑	Oil	blank bright	☑	Oil	blank bright	☑	Oil	blank bright
Form C		35°	Form C		35°	Form C		35°	Form C		35°



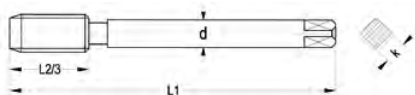
L1 mm	L3 mm	d mm	k mm	•O*	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR	CODE	EUR
45	8	2,8	2,1	1,60	M 2	0,40					501060300430020	26,30		
45	9	2,8	2,1	1,75	M 2,2	0,45					501060300430022	26,30		
45	9	2,8	2,1	1,90	M 2,3	0,40					501060300430023	26,30		
50	9	2,8	2,1	2,05	M 2,5	0,45					501060300430025	23,70		
50	9	2,8	2,1	2,10	M 2,6	0,45					501060300430026	23,70		
56	7	3,5	2,7	2,50	M 3	0,50	831000300330030	8,80	831000300030030	6,50	501060300430030	13,80	501000301330030	21,30
56	7	4,0	3,0	2,90	M 3,5	0,60					501060300430035	15,70		
63	8	4,5	3,4	3,30	M 4	0,70	831000300330040	8,80	831000300030040	6,50	501060300430040	13,80	501000301330040	21,30
70	10	6,0	4,9	4,20	M 5	0,80	831000300330050	9,10	831000300030050	6,80	501060300430050	14,40	501000301330050	22,10
80	12	6,0	4,9	5,00	M 6	1,00	831000300330060	9,10	831000300030060	6,80	501060300430060	14,40	501000301330060	23,00
80	12	7,0	5,5	6,00	M 7	1,00					501060300430070	22,80		
90	16	8,0	6,2	6,80	M 8	1,25	831000300330080	11,60	831000300030080	8,50	501060300430080	18,30	501000301330080	26,40
100	16	10,0	8,0	8,50	M 10	1,50	831000300330100	13,40	831000300030100	10,40	501060300430100	21,10	501000301330100	31,20



Metrisches ISO-Gewinde nach DIN 13  
Metric ISO-Thread acc. to DIN 13

DIN 2184-1

T6510			T6310			F6521			F6321		
TOPSELL			TOPSELL			UNI			UNI		
ISO 2 6H	↻	HSSE-G	ISO 2 6H	↻	HSSE-G	ISO 2 6H	↻	HSSE-V3	ISO 2 6H	↻	HSSE-V3
□	Oil	blank bright	□	Oil	blank bright	□	Oil	blank bright	□	Oil	blank bright
Form B			Form C			Form B			Form C		



L1 mm	L2 mm	L3 mm	d mm	k mm	+0,1	D mm	P mm	CODE	EUR	CODE	EUR	CODE	EUR	CODE	EUR
56	11	7	2,2	-	2,50	M 3	0,50					511050000420030	14,40	511060300430030	17,50
63	13	8	2,8	2,1	3,30	M 4	0,70					511050000420040	14,40	511060300430040	17,50
70	16	10	3,5	2,7	4,20	M 5	0,80					511050000420050	15,10	511060300430050	18,30
80	19	12	4,5	3,4	5,00	M 6	1,00					511050000420060	15,10	511060300430060	18,30
90	22	16	6,0	4,9	6,80	M 8	1,25					511050000420080	19,70	511060300430080	23,30
100	24	16	7,0	5,5	8,50	M 10	1,50					511050000420100	21,60	511060300430100	26,90
110	28	18	9,0	7,0	10,20	M 12	1,75	84100000320120	13,70	841000300330120	15,30	511050000420120	27,50	511060300430120	30,50
110	30	20	11,0	9,0	12,00	M 14	2,00	84100000320140	19,70	841000300330140	22,00	511050000420140	39,50	511060300430140	43,90
110	32	22	12,0	9,0	14,00	M 16	2,00	84100000320160	22,40	841000300330160	23,30	511050000420160	44,70	511060300430160	46,60
125	34	25	14,0	11,0	15,50	M 18	2,50	84100000320180	30,90	841000300330180	34,30	511050000420180	61,80	511060300430180	68,60
140	34	25	16,0	12,0	17,50	M 20	2,50	84100000320200	43,10	841000300330200	48,30	511050000420200	86,30	511060300430200	96,70
140	34	25	18,0	14,5	19,50	M 22	2,50	84100000320220	48,00	841000300330220	53,70	511050000420220	95,90	511060300430220	107,00
160	38	30	18,0	14,5	21,00	M 24	3,00	84100000320240	50,90	841000300330240	54,60	511050000420240	102,00	511060300430240	109,00
160	38	30	20,0	16,0	24,00	M 27	3,00	84100000320270	60,60	841000300330270	70,00	511050000420270	121,00	511060300430270	140,00
180	45	35	22,0	18,0	26,50	M 30	3,50	84100000320300	64,20	841000300330300	72,30	511050000420300	197,00	511060300430300	198,00
180	50	35	25,0	20,0	29,50	M 33	3,50					511050000420330	251,00	511060300430330	265,00
200	56	45	28,0	22,0	32,00	M 36	4,00					511050000420360	274,00	511060300430360	285,00
200	60	45	32,0	24,0	35,00	M 39	4,00					511050000420390	315,00	511060300430390	343,00
200	60	45	32,0	24,0	37,50	M 42	4,50					511050000420420	432,00	511060300430420	445,00
220	65	50	36,0	29,0	40,50	M 45	4,50					511050000420450	472,00	511060300430450	495,00
250	70	50	36,0	29,0	43,00	M 48	5,00					511050000420480	566,00	511060300430480	584,00
250	70	55	40,0	32,0	47,00	M 52	5,00					511050000420520	627,00	511060300430520	652,00
250	70	55	40,0	32,0	51,50	M 56	5,50					511050000420560	753,00	511060300430560	804,00
280	75	55	45,0	35,0	54,50	M 60	5,50					511050000420600	843,00	511060300430600	884,00
315	80	70	50,0	39,0	58,00	M 64	6,00					511050000420640	937,00	511060300430640	1.020,00
315	80	70	50,0	39,0	62,00	M 68	6,00					511050000420680	974,00	511060300430680	1.063,00