

# VOORBOREN TAPPEN

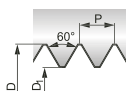
## HULPTABEL DIAMETERS



→ BLINDE GATEN TAPPEN

→ DOORLOPENDE GATEN TAPPEN

# ISO Metric Threads

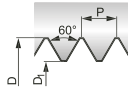


## M ISO Metric coarse thread DIN 13

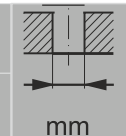
Nom. size		D <sub>1</sub> (6H)		
D mm	P mm	min. mm	max. mm	
M 1	0,25	0,729	0,785	0,75
1,1	0,25	0,829	0,885	0,85
1,2	0,25	0,929	0,985	0,95
1,4	0,3	1,075	1,142	1,1
1,6	0,35	1,221	1,321	1,25
1,7	0,35	1,321	1,421	1,35
1,8	0,35	1,421	1,521	1,45
2	0,4	1,567	1,679	1,6
2,2	0,45	1,713	1,838	1,75
2,3	0,4	1,867	1,979	1,9
2,5	0,45	2,013	2,138	2,05
2,6	0,45	2,113	2,238	2,15
3	0,5	2,459	2,599	2,5
3,5	0,6	2,850	3,010	2,9
4	0,7	3,242	3,422	3,3
4,5	0,75	3,688	3,878	3,7
5	0,8	4,134	4,334	4,2
5,5	0,9	4,526	4,750	4,6
6	1	4,917	5,153	5
7	1	5,917	6,153	6
8	1,25	6,647	6,912	6,8
9	1,25	7,647	7,912	7,8
10	1,5	8,376	8,676	8,5
11	1,5	9,376	9,676	9,5
12	1,75	10,106	10,441	10,2
14	2	11,835	12,210	12
16	2	13,835	14,210	14
18	2,5	15,294	15,744	15,5
20	2,5	17,294	17,744	17,5
22	2,5	19,294	19,744	19,5
24	3	20,752	21,252	21
27	3	23,752	24,252	24
30	3,5	26,211	26,771	26,5
33	3,5	29,211	29,771	29,5
36	4	31,670	32,270	32
39	4	34,670	35,270	35
42	4,5	37,129	37,799	37,5
45	4,5	40,129	40,799	40,5
48	5	42,587	43,297	43
52	5	46,587	47,297	47
56	5,5	50,046	50,796	50,5
60	5,5	54,046	54,796	54,5
64	6	57,505	58,305	58
68	6	61,505	62,305	62

## MF ISO Metric fine thread DIN 13

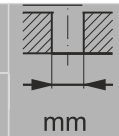
Nom. size		D <sub>1</sub> (6H)			Nom. size		D <sub>1</sub> (6H)		
D mm	x P mm	min. mm	max. mm		D mm	x P mm	min. mm	max. mm	
M 2,5 x 0,35	2,121	2,221	2,15	M 35 x 1,5	33,376	33,676	33,5		
2,6 x 0,35	2,221	2,321	2,25	36 x 1,5	34,376	34,676	34,5		
3 x 0,35	2,621	2,721	2,65	36 x 2	33,835	34,210	34		
3,5 x 0,35	3,121	3,221	3,15	36 x 3	32,752	33,252	33		
4 x 0,35	3,621	3,721	3,65	38 x 1,5	36,376	36,676	36,5		
4 x 0,5	3,459	3,599	3,5	39 x 1,5	37,376	37,676	37,5		
5 x 0,5	4,459	4,599	4,5	39 x 2	36,835	37,210	37		
6 x 0,5	5,459	5,599	5,5	39 x 3	35,752	36,252	36		
6 x 0,75	5,188	5,378	5,2	40 x 1,5	38,376	38,676	38,5		
7 x 0,75	6,188	6,378	6,2	40 x 2	37,835	38,210	38		
8 x 0,75	7,188	7,378	7,2	42 x 1,5	40,376	40,676	40,5		
8 x 1	6,917	7,153	7	42 x 2	39,835	40,210	40		
9 x 0,75	8,188	8,378	8,2	42 x 3	38,752	39,252	39		
9 x 1	7,917	8,153	8	45 x 1,5	43,376	43,676	43,5		
10 x 0,75	9,188	9,378	9,2	45 x 2	42,835	43,210	43		
10 x 1	8,917	9,153	9	45 x 3	41,752	42,252	42		
10 x 1,25	8,647	8,912	8,8	48 x 1,5	46,376	46,676	46,5		
11 x 1	9,917	10,153	10	48 x 2	45,835	46,210	46		
12 x 1	10,917	11,153	11	48 x 3	44,752	45,252	45		
12 x 1,25	10,647	10,912	10,8	50 x 1,5	48,376	48,676	48,5		
12 x 1,5	10,376	10,676	10,5	50 x 2	47,835	48,210	48		
14 x 1	12,917	13,153	13	52 x 1,5	50,376	50,676	50,5		
14 x 1,25	12,647	12,912	12,8	52 x 2	49,835	50,210	50		
14 x 1,5	12,376	12,676	12,5	52 x 3	48,752	49,252	49		
15 x 1	13,917	14,153	14	56 x 3	52,752	53,252	53		
16 x 1	14,917	15,153	15	56 x 4	51,670	52,270	52		
16 x 1,5	14,376	14,676	14,5	60 x 4	55,670	56,270	56		
18 x 1	16,917	17,153	17	64 x 3	60,752	61,252	61		
18 x 1,5	16,376	16,676	16,5	64 x 4	59,670	60,270	60		
18 x 2	15,835	16,210	16	68 x 4	63,670	64,270	64		
20 x 1	18,917	19,153	19	70 x 3	66,752	67,252	67		
20 x 1,5	18,376	18,676	18,5	70 x 4	65,670	66,270	66		
20 x 2	17,835	18,210	18	72 x 3	68,752	69,252	69		
22 x 1	20,917	21,153	21	72 x 4	67,670	68,270	68		
22 x 1,5	20,376	20,676	20,5	72 x 6	65,505	66,305	66		
22 x 2	19,835	20,210	20	76 x 3	72,752	73,252	73		
24 x 1	22,917	23,153	23	76 x 4	71,670	72,270	72		
24 x 1,5	22,376	22,676	22,5	76 x 6	69,505	70,305	70		
24 x 2	21,835	22,210	22	80 x 4	75,670	76,270	76		
25 x 1,5	23,376	23,676	23,5	80 x 6	73,505	74,305	74		
26 x 1,5	24,376	24,676	24,5	85 x 3	81,752	82,252	82		
27 x 1,5	25,376	25,676	25,5	85 x 4	80,670	81,270	81		
27 x 2	24,835	25,210	25	90 x 3	86,752	87,252	87		
28 x 1,5	26,376	26,676	26,5	90 x 4	85,670	86,270	86		
28 x 2	25,835	26,210	26	90 x 6	83,505	84,305	84		
30 x 1,5	28,376	28,676	28,5	95 x 6	88,505	89,305	89		
30 x 2	27,835	28,210	28	100 x 4	95,670	96,270	96		
32 x 1,5	30,376	30,676	30,5	100 x 6	93,505	94,305	94		
32 x 2	29,835	30,210	30	110 x 6	103,505	104,305	104		
33 x 1,5	31,376	31,676	31,5	115 x 3	111,752	112,252	112		
33 x 2	30,835	31,210	31	120 x 4	115,670	116,270	116		
34 x 1,5	32,376	32,676	32,5	120 x 6	113,505	114,305	114		



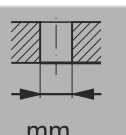
## UNC Unified coarse thread ANSI/ASME B1.1

Nom. size D - Gg/1" inch (tpi)	D <sub>1</sub> (2B)		
	min. mm	max. mm	
Nr. 1 - 64	1,425	1,582	1,55
Nr. 2 - 56	1,694	1,872	1,85
Nr. 3 - 48	1,941	2,146	2,1
Nr. 4 - 40	2,156	2,385	2,35
Nr. 5 - 40	2,487	2,697	2,65
Nr. 6 - 32	2,647	2,896	2,85
Nr. 8 - 32	3,307	3,528	3,5
Nr. 10 - 24	3,680	3,949	3,9
Nr. 12 - 24	4,341	4,590	4,5
1/4 - 20	4,976	5,268	5,1
5/16 - 18	6,411	6,734	6,6
3/8 - 16	7,805	8,164	8
7/16 - 14	9,149	9,550	9,4
1/2 - 13	10,584	11,016	10,8
9/16 - 12	11,996	12,456	12,2
5/8 - 11	13,376	13,868	13,5
3/4 - 10	16,299	16,833	16,5
7/8 - 9	19,169	19,748	19,5
1" - 8	21,963	22,598	22,25
1 1/8 - 7	24,648	25,349	25
1 1/4 - 7	27,823	28,524	28
1 3/8 - 6	30,343	31,120	30,75
1 1/2 - 6	33,518	34,295	34
1 3/4 - 5	38,951	39,814	39,5
2" - 4 1/2	44,689	45,598	45


## UNF Unified coarse thread ANSI/ASME B1.1

Nom. size D - Gg/1" inch (tpi)	D <sub>1</sub> (2B)		
	min. mm	max. mm	
Nr. 2 - 64	1,755	1,913	1,85
Nr. 3 - 56	2,024	2,197	2,15
Nr. 4 - 48	2,271	2,459	2,4
Nr. 5 - 44	2,550	2,741	2,7
Nr. 6 - 40	2,817	3,012	2,95
Nr. 8 - 36	3,401	3,597	3,5
Nr. 10 - 32	3,967	4,168	4,1
Nr. 12 - 28	4,503	4,716	4,6
1/4 - 28	5,367	5,580	5,5
5/16 - 24	6,792	7,038	6,9
3/8 - 24	8,379	8,626	8,5
7/16 - 20	9,738	10,030	9,9
1/2 - 20	11,326	11,618	11,5
9/16 - 18	12,761	13,084	12,9
5/8 - 18	14,348	14,671	14,5
3/4 - 16	17,330	17,689	17,5
7/8 - 14	20,262	20,663	20,4
1" - 12	23,109	23,569	23,25
1 1/8 - 12	26,284	26,744	26,5
1 1/4 - 12	29,459	29,919	29,5
1 3/8 - 12	32,634	33,094	32,75
1 1/2 - 12	35,809	36,269	36

## UN-8

Nom. size D - Gg/1" inch (tpi)	D <sub>1</sub> (2B)		
	min. mm	max. mm	
1 1/8 - 8	25,138	25,773	25,4
1 1/4 - 8	28,313	28,948	28,6
1 1/2 - 8	34,663	35,298	35
1 3/4 - 8	41,013	41,648	41,3
2" - 8	47,363	47,998	47,7

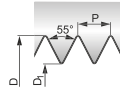
## UNEF

Nom. size D - Gg/1" inch (tpi)	D <sub>1</sub> (2B)		
	min. mm	max. mm	
1/4 - 32	5,491	5,679	5,55
5/16 - 32	7,079	7,267	7,15
3/8 - 32	8,666	8,854	8,7
7/16 - 28	10,130	10,343	10,2
1/2 - 28	11,717	11,930	11,8
9/16 - 24	13,142	13,388	13,2
5/8 - 24	14,729	14,975	14,8
3/4 - 20	17,676	17,968	17,8
7/8 - 20	20,851	21,143	20,95
1" - 20	24,026	24,318	24,15

## Cylindrical Pipe Threads

### G

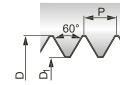
Whitworth pipe thread DIN EN ISO 228



Nom. size	D <sub>1</sub>		 mm	
	D - P/1" (tpi)	min. mm		max. mm
G 1/16 - 28		6,561	6,843	6,8
1/8 - 28		8,566	8,848	8,8
1/4 - 19		11,445	11,890	11,8
3/8 - 19		14,950	15,395	15,25
1/2 - 14		18,631	19,172	19
5/8 - 14		20,587	21,128	21
3/4 - 14		24,117	24,658	24,5
7/8 - 14		27,877	28,418	28,25
1" - 11		30,291	30,931	30,75
1 1/8 - 11		34,939	35,579	35,5
1 1/4 - 11		38,952	39,592	39,5
1 3/8 - 11		41,365	42,005	41,75
1 1/2 - 11		44,845	45,485	45,25
1 5/8 - 11		49,030	49,670	49,5
1 3/4 - 11		50,788	51,428	51
2" - 11		56,656	57,296	57
2 1/4 - 11		62,752	63,392	63,3
2 1/2 - 11		72,226	72,866	72,8
2 3/4 - 11		78,576	79,216	79,1
3" - 11		84,926	85,566	85,5

### NPSM

American Standard straight pipe thread ANSI/ASME B1.20.1 for mechanical joints (previously NPS)



Nom. size	D <sub>1</sub>		 mm	
	D - P/1" (tpi)	min. mm		max. mm
1/8 - 27		9,093	9,246	9,1
1/4 - 18		11,887	12,217	12
3/8 - 18		15,316	15,545	15,5
1/2 - 14		18,974	19,279	19
3/4 - 14		24,333	24,638	24,5
1" - 11 1/2		30,505	30,759	30,5

American Standard straight pipe thread ANSI B1.20.3 dryseal internal straight pipe thread for fuel, combined with external tapered pipe thread NPTF or PTF-SAE-SHORT; Gauge with tapered gauges

### NPSF

Nom. size	D <sub>1</sub>		 mm	
	D - P/1" (tpi)	min. mm		max. mm
1/16 - 27		6,304	6,393	6,35
1/8 - 27		8,651	8,740	8,7
1/4 - 18		11,232	11,364	11,3
3/8 - 18		14,671	14,803	14,75
1/2 - 14		18,118	18,288	18,2
3/4 - 14		23,465	23,635	23,5
1" - 11 1/2		29,464	29,670	29,5

### Rp(BSPP)

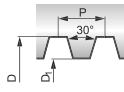
Cylindrical Whitworth pipe thread DIN EN 10226-1 and ISO 7-1 where pressure-tight joints are made on the threads

Nom. size	D <sub>1</sub>		 mm	
	D - P/1" (tpi)	min. mm		max. mm
Rp1/16 - 28		6,490	6,632	6,55
1/8 - 28		8,495	8,637	8,6
1/4 - 19		11,341	11,549	11,5
3/8 - 19		14,846	15,054	15
1/2 - 14		18,489	18,773	18,5
3/4 - 14		23,975	24,259	24
1" - 11		30,111	30,471	30,25



## Trapezoidal and Round Threads

**Tr** ISO Metric trapezoidal coarse thread DIN 103

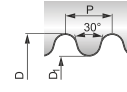


Nom. size	D <sub>1</sub> (7H)				
	D mm	P mm		min. mm	max. mm
Tr 8 x 1,5	8	1,5	6,5	6,69	6,6
9 x 2	9	2	7	7,236	7,2
10 x 2	10	2	8	8,236	8,2
10 x 3	10	3	7	7,315	7,25
11 x 3	11	3	8	8,315	8,25
12 x 3	12	3	9	9,315	9,25
14 x 3	14	3	11	11,315	11,25
14 x 4	14	4	10	10,375	10,25
16 x 4	16	4	12	12,375	12,25
18 x 4	18	4	14	14,375	14,25
20 x 4	20	4	16	16,375	16,25
22 x 5	22	5	17	17,45	17,25
24 x 5	24	5	19	19,45	19,25
26 x 5	26	5	21	21,45	21,25
28 x 5	28	5	23	23,45	23,25
30 x 6	30	6	24	24,5	24,25
32 x 6	32	6	26	26,5	26,25
34 x 6	34	6	28	28,5	28,25
36 x 6	36	6	30	30,5	30,25
38 x 7	38	7	31	31,56	31,5
40 x 7	40	7	33	33,56	33,5
42 x 7	42	7	35	35,56	35,5
44 x 7	44	7	37	37,56	37,5
46 x 8	46	8	38	38,63	38,5
48 x 8	48	8	40	40,63	40,5
50 x 8	50	8	42	42,63	42,5
52 x 8	52	8	44	44,63	44,5

## BSF

Nom. size	D <sub>1</sub>		
	D - P/1" (tpi)	min. mm	
BSF 3/16 - 32	3,747	4,006	4
1/4 - 26	5,100	5,398	5,3
5/16 - 22	6,459	6,817	6,8
3/8 - 20	7,899	8,331	8,3
7/16 - 18	9,304	9,764	9,7
1/2 - 16	10,668	11,163	11,1
5/8 - 14	13,553	14,094	14
3/4 - 12	16,337	16,939	16,75
7/8 - 11	19,268	19,909	19,75
1" - 10	22,149	22,835	22,75

**Rd** Round thread DIN 405



Nom. size	D <sub>1</sub> (7H)		
	D x P/1" (tpi)	min. mm	
Rd 8 x 10	5,714	6,164	6
9 x 10	6,714	7,164	7
10 x 10	7,714	8,164	8
11 x 10	8,714	9,164	9
12 x 10	9,714	10,164	10
14 x 8	11,142	11,672	11,5
16 x 8	13,142	13,672	13,5
18 x 8	15,142	15,672	15,5
20 x 8	17,142	17,672	17,5
22 x 8	19,142	19,672	19,5
24 x 8	21,142	21,672	21,5
26 x 8	23,142	23,672	23,5
28 x 8	25,142	25,672	25,5
30 x 8	27,142	27,672	27,5

## BSW

Nom. size	D <sub>1</sub>		
	D - P/1" (tpi)	min. mm	
BSW 1/16 - 60	1,045	1,230	1,15
3/32 - 48	1,704	1,912	1,85
1/8 - 40	2,362	2,591	2,55
5/32 - 32	2,952	3,214	3,2
3/16 - 24	3,406	3,744	3,7
7/32 - 24	4,201	4,539	4,5
1/4 - 20	4,724	5,156	5,1
5/16 - 18	6,129	6,589	6,5
3/8 - 16	7,493	7,988	7,9
7/16 - 14	8,791	9,332	9,25
1/2 - 12	9,987	10,589	10,5
9/16 - 12	11,575	12,177	12
5/8 - 11	12,918	13,559	13,5
3/4 - 10	15,799	16,485	16,4
7/8 - 9	18,613	19,355	19,25
1" - 8	21,336	22,149	22
1 1/8 - 7	23,927	24,831	24,75
1 1/4 - 7	27,102	28,006	27,75
1 3/8 - 6	29,504	30,528	30,5
1 1/2 - 6	32,680	33,703	33,5
1 5/8 - 5	34,769	35,963	35,5
1 3/4 - 5	37,943	39,136	39
1 7/8 - 4 1/2	40,396	41,702	41,5
2" - 4 1/2	43,571	44,877	44,5

## Tapered Pipe Threads

### Rc(BSPT)

Tapered Whitworth pipe thread DIN EN 10226-2 and ISO 7-1 where pressure-tight joints are made on the threads, taper 1:16

Nom. size	D <sub>1</sub>	t <sub>1</sub>	t <sub>2</sub>
D - P/1" (tpi)	mm	mm	mm
Rc1/16 - 28	6,15	11,1	9,5
1/8 - 28	8,15	11,1	9,5
1/4 - 19	10,85	16,3	14
3/8 - 19	14,3	16,7	14,4
1/2 - 14	17,8	22,3	19,1
3/4 - 14	23,2	23,6	20,4
1" - 11	29,2	28,3	24,3

Nom. size	D <sub>2</sub>	D <sub>3</sub> (JS11)	t <sub>1</sub>	t <sub>2</sub>
D - P/1" (tpi)	mm	mm	mm	mm
Rc1/16 - 28	6,1	6,56	11,1	9,5
1/8 - 28	8,1	8,57	11,1	9,5
1/4 - 19	10,75	11,45	16,3	14
3/8 - 19	14,25	14,95	16,7	14,4
1/2 - 14	17,7	18,63	22,3	19,1
3/4 - 14	23,1	24,12	23,6	20,4
1" - 11	29,1	30,29	28,3	24,3

Nom. size	D <sub>1</sub> (JS11)	b	t min.	D <sub>1</sub> min.
D - P/1" (tpi)	mm	mm	mm	mm
Rc1/16 - 28	6,56	5,6	9,9	7,6 <sup>+0,3</sup>
1/8 - 28	8,57	5,6	9,9	9,6 <sup>+0,3</sup>
1/4 - 19	11,45	8,4	14,6	13 <sup>+0,5</sup>
3/8 - 19	14,95	8,8	15	16,5 <sup>+0,5</sup>
1/2 - 14	18,63	11,4	20	20,6 <sup>+0,5</sup>
3/4 - 14	24,12	12,7	21,3	26 <sup>+0,5</sup>
1" - 11	30,29	14,5	25,4	32,8 <sup>+0,5</sup>

### NPT

American tapered pipe thread ANSI/ASME B1.20.1 for threads with dryseal material taper 1:16

Nom. size	D <sub>1</sub>	t <sub>1</sub>	t <sub>2</sub>
D - P/1" (tpi)	mm	mm	mm
1/16 - 27	6,15	11,8	9,7
1/8 - 27	8,5	11,9	9,75
1/4 - 18	11	17,4	14,25
3/8 - 18	14,4	17,7	14,55
1/2 - 14	17,8	23,1	19
3/4 - 14	23,15	23,6	19,5
1" - 11 1/2	29,05	28,4	23,4
1 1/4 - 11 1/2	37,8	28,9	23,9
1 1/2 - 11 1/2	43,85	28,9	23,9
2" - 11 1/2	55,85	29,3	24,35

Nom. size	D <sub>2</sub>	D <sub>3</sub> +0,05	t <sub>1</sub>	t <sub>2</sub>
D - P/1" (tpi)	mm	mm	mm	mm
1/16 - 27	5,95	6,39	11,8	9,7
1/8 - 27	8,3	8,74	11,9	9,75
1/4 - 18	10,75	11,36	17,4	14,25
3/8 - 18	14,15	14,8	17,7	14,55
1/2 - 14	17,45	18,32	23,1	19
3/4 - 14	22,8	23,67	23,6	19,5
1" - 11 1/2	28,65	29,69	28,4	23,4
1 1/4 - 11 1/2	37,35	38,45	28,9	23,9
1 1/2 - 11 1/2	43,45	44,52	28,9	23,9
2" - 11 1/2	55,45	56,56	29,3	24,35

Nom. size	D <sub>3</sub> +0,05	b	t min.	D <sub>1</sub> min.
D - P/1" (tpi)	mm	mm	mm	mm
1/16 - 27	6,39	7	10	7,6
1/8 - 27	8,74	7	10	10
1/4 - 18	11,36	10,2	14,5	13,1
3/8 - 18	14,8	10,6	15	16,5
1/2 - 14	18,32	13,8	19	20,5
3/4 - 14	23,67	14,2	20	25,8
1" - 11 1/2	29,69	17	24	32,2
1 1/4 - 11 1/2	38,45	17,5	24,5	41
1 1/2 - 11 1/2	44,52	17,5	24,5	47,2
2" - 11 1/2	56,56	18	25	59,2

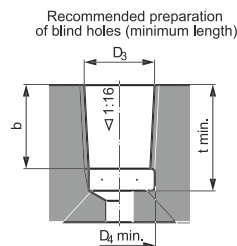
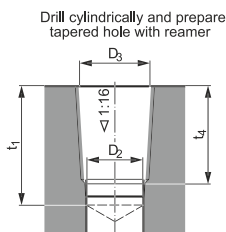
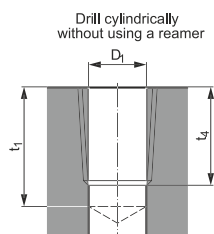
### NPTF

American tapered pipe thread ANSI B1.20.3 for threads without dryseal material taper 1:16

Nom. size	D <sub>1</sub>	t <sub>1</sub>	t <sub>2</sub>
D - P/1" (tpi)	mm	mm	mm
1/16 - 27	6,1	13	10,65
1/8 - 27	8,45	13	10,7
1/4 - 18	10,9	19,2	15,65
3/8 - 18	14,3	19,5	16
1/2 - 14	17,6	25,4	20,85
3/4 - 14	23	25,9	21,3
1" - 11 1/2	28,75	31,1	25,6
1 1/4 - 11 1/2	37,5	31,7	26,15
1 1/2 - 11 1/2	43,75	31,7	26,15
2" - 11 1/2	55,75	32,1	26,55

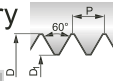
Nom. size	D <sub>2</sub>	D <sub>3</sub> +0,05	t <sub>1</sub>	t <sub>2</sub>
D - P/1" (tpi)	mm	mm	mm	mm
1/16 - 27	5,95	6,41	13	10,65
1/8 - 27	8,3	8,76	13	10,7
1/4 - 18	10,75	11,4	19,2	15,65
3/8 - 18	14,15	14,84	19,5	16
1/2 - 14	17,45	18,33	25,4	20,85
3/4 - 14	22,8	23,68	25,9	21,3
1" - 11 1/2	28,65	29,72	31,1	25,6
1 1/4 - 11 1/2	37,35	38,48	31,7	26,15
1 1/2 - 11 1/2	43,45	44,55	31,7	26,15
2" - 11 1/2	55,45	56,59	32,1	26,55

Nom. size	D <sub>3</sub> +0,05	b	t min.	D <sub>1</sub> min.
D - P/1" (tpi)	mm	mm	mm	mm
1/16 - 27	6,41	8	11	7,4
1/8 - 27	8,76	8	11	9,8
1/4 - 18	11,4	11,6	15,5	12,9
3/8 - 18	14,84	12	16	16,3
1/2 - 14	18,33	15,6	20,5	20,3
3/4 - 14	23,68	16	21,5	25,6
1" - 11 1/2	29,72	19,2	26	32
1 1/4 - 11 1/2	38,48	19,7	26,5	40,8
1 1/2 - 11 1/2	44,55	19,7	26,5	47
2" - 11 1/2	56,59	20,2	27	59



### Threads for the Aerospace Industry

#### MJ MJ thread DIN ISO 5855



Nom. size		D <sub>1</sub>		
D mm	P mm	min. mm	max. mm	
MJ 3	x 0,5	2,513	2,653	2,6
4	x 0,7	3,318	3,498	3,4
5	x 0,8	4,221	4,421	4,3
6	x 1	5,026	5,216	5,1
8	x 1	7,026	7,216	7,1
8	x 1,25	6,782	6,994	6,9
10	x 1,25	8,782	8,994	8,9
10	x 1,5	8,539	8,775	8,6

#### UNJF

Unified fine thread ASME B1.15

Nom. size		D <sub>1</sub>		
D inch	P/1" (tpi)	min. mm	max. mm	
Nr. 4	- 48	2,329	2,466	2,4
Nr. 6	- 40	2,888	3,053	3
Nr. 8	- 36	3,480	3,663	3,55
Nr. 10	- 32	4,054	4,255	4,15
1/4	- 28	5,466	5,662	5,55
5/16	- 24	6,906	7,109	7
3/8	- 24	8,494	8,679	8,6

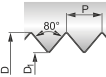
#### UNJC

Unified coarse thread ASME B1.15

Nom. size		D <sub>1</sub>		
D inch	P/1" (tpi)	min. mm	max. mm	
Nr. 4	- 40	2,228	2,393	2,3
Nr. 6	- 32	2,733	2,939	2,85
Nr. 8	- 32	3,393	3,599	3,5
Nr. 10	- 24	3,795	4,064	3,9
1/4	- 20	5,113	5,387	5,25
5/16	- 18	6,563	6,833	6,7
3/8	- 16	7,978	8,255	8,1

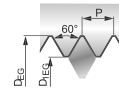
### Steel Conduit Threads

#### Pg Steel conduit thread DIN 40430



Nom. size		D <sub>1</sub>		
D mm	P/1" (tpi)	min. mm	max. mm	
Pg 7	20	11,28	11,43	11,35
9	18	13,86	14,01	13,95
11	18	17,26	17,41	17,35
13,5	18	19,06	19,21	19,15
16	18	21,16	21,31	21,25
21	16	26,78	27,03	26,95
29	16	35,48	35,73	35,6
36	16	45,48	45,73	45,6
42	16	52,48	52,73	52,6
48	16	57,78	58,03	57,9

### Helical Coil Threads for Wire Thread Inserts



#### EG M(STI)

ISO Metric coarse thread DIN 8140-2

Nom. size		D <sub>EG</sub>		D <sub>1EG</sub>		
D mm	P mm	min. mm	min. mm	max. mm	mm	
EG M2,5	0,45	3,084	2,597	2,697	2,65	
3	0,5	3,650	3,108	3,220	3,15	
4	0,7	4,910	4,152	4,292	4,2	
5	0,8	6,040	5,174	5,334	5,25	
6	1	7,300	6,217	6,407	6,3	
8	1,25	9,624	8,271	8,483	8,4	
10	1,5	11,948	10,324	10,560	10,5	
12	1,75	14,274	12,379	12,644	12,5	
14	2	16,598	14,433	14,733	14,5	
16	2	18,598	16,433	16,733	16,5	
18	2,5	21,248	18,541	18,896	18,75	
20	2,5	23,248	20,541	20,896	20,75	

#### EG UNC (STI)

Unified coarse thread ASME B18.29.1

Nom. size		D <sub>EG</sub>		D <sub>1EG</sub>		
D mm	P/1" (tpi)	min. mm	min. mm	max. mm	mm	
EGNr. 4	- 40	3,671	2,982	3,178	3,1	
Nr. 6	- 32	4,536	3,678	3,879	3,8	
Nr. 8	- 32	5,197	4,338	4,523	4,4	
Nr. 10	- 24	6,200	5,054	5,283	5,2	
1/4	- 20	8,002	6,628	6,872	6,7	
5/16	- 18	9,771	8,244	8,490	8,4	
3/8	- 16	11,587	9,867	10,126	10	
7/16	- 14	13,469	11,506	11,783	11,6	
1/2	- 13	15,237	13,121	13,393	13,3	
9/16	- 12	17,039	14,747	15,031	14,9	
5/8	- 11	18,875	16,376	16,673	16,5	
3/4	- 10	22,349	19,598	19,908	19,75	

#### EG UNF (STI)

Unified coarse thread ASME B18.29.1

Nom. size		D <sub>EG</sub>		D <sub>1EG</sub>		
D mm	P/1" (tpi)	min. mm	min. mm	max. mm	mm	
EGNr. 4	- 48	3,533	2,959	3,119	3	
Nr. 6	- 40	4,330	3,642	3,815	3,7	
Nr. 8	- 36	5,083	4,318	4,496	4,4	
Nr. 10	- 32	5,858	4,999	5,184	5,1	
1/4	- 28	7,528	6,545	6,720	6,6	
5/16	- 24	9,312	8,166	8,351	8,25	
3/8	- 24	10,899	9,753	9,931	9,8	
7/16	- 20	12,763	11,389	11,587	11,5	
1/2	- 20	14,352	12,978	13,176	13,1	
9/16	- 18	16,121	14,594	14,800	14,7	
5/8	- 18	17,709	16,182	16,388	16,25	
3/4	- 16	21,112	19,392	19,608	19,5	