

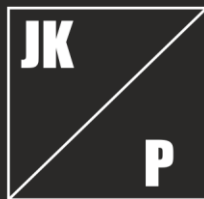
## Metrisches ISO-Gewinde UNI 4535-64

Metrisches ISO-Regelgewinde nach UNI 4535-64

Gewinde	Steigung (mm)	∅ Bohrung (mm)	∅ Bohrer (mm)
M 1,6	0,35	1,321	1,20
M 1,8	0,35	1,521	1,45
M 2	0,40	1,679	1,60
M 2,2	0,45	1,838	1,75
M 2,5	0,45	2,138	2,05
M 3	0,50	2,599	2,5
M 3,5	0,60	3,010	2,9
M 4	0,70	3,422	3,3
M 4,5	0,75	3,878	3,7
M 5	0,80	4,334	4,2
M 6	1	5,153	5
M 7	1	6,153	6
M 8	1,25	6,912	6,8
M 9	1,25	7,912	7,8
M 10	1,5	8,676	8,5
M 11	1,5	9,676	9,5
M 12	1,75	10,441	10,2
M 14	2	12,210	12
M 16	2	14,210	14
M 18	2,5	15,744	15,5
M 20	2,5	17,744	17,5
M 22	2,5	19,744	19,5
M 24	3	21,252	21
M 27	3	24,252	24
M 30	3,5	26,771	26,5
M 33	3,5	29,771	29,5
M 36	4	32,270	32
M 39	4	35,270	35
M 42	4,5	37,799	37,5
M 45	4,5	40,799	40,5
M 48	5	43,297	43
M 52	5	47,297	47
M 56	5,5	50,796	50,5
M 60	5,5	54,796	54,5
M 64	6	58,305	58
M 68	6	62,305	62

Metrisches ISO-Feingewinde nach UNI 4535-64

Gewinde	Steigung (mm)	∅ Bohrung (mm)	∅ Bohrung (mm)
M 3	0,35	2,721	2,65
M 4	0,50	3,599	3,5
M 5	0,50	4,599	4,5
M 6	0,75	5,378	5,2
M 7	0,75	6,378	6,2
M 8	0,75	7,378	7,2
M 8	1	7,153	7
M 9	1	8,153	8
M 10	0,75	9,378	9,2
M 10	1	9,153	9
M 10	1,25	8,912	8,8
M 11	1	10,153	10
M 12	1	11,153	11
M 12	1,25	10,912	10,8
M 12	1,5	10,676	10,5
M 14	1	13,153	13
M 14	1,25	12,912	12,8
M 14	1,5	12,676	12,5
M 15	1	14,153	14
M 15	1,5	13,676	13,5
M 16	1	15,153	15
M 16	1,5	14,676	14,5
M 18	1	17,153	17
M 18	1,5	16,676	16,5
M 18	2	16,210	16
M 20	1	19,153	19
M 20	1,5	18,676	18,5
M 20	2	18,210	18
M 22	1	21,153	21
M 22	1,5	20,676	20,5
M 21	2	20,210	20
M 24	1	23,153	23
M 24	1,5	22,676	22,5
M 24	2	22,210	22
M 24	1	24,153	24
M 25	1,5	23,676	23,5
M 26	1,5	24,676	24,5
M 27	1,5	25,676	25,5
M 27	2	25,210	25
M 28	1,5	26,676	26,5
M 30	1,5	28,676	28,5
M 30	2	28,210	28
M 32	1,5	30,676	30,5
M 33	2	31,210	31
M 35	1,5	33,676	33,5
M 36	1,5	34,676	34,5
M 36	2	34,210	34
M 36	3	33,252	33
M 38	1,5	36,676	36,5
M 39	3	36,252	36
M 40	1,5	38,676	38,5
M 42	1,5	40,676	40,5
M 45	1,5	43,676	43,5
M 50	1,5	48,676	48,5



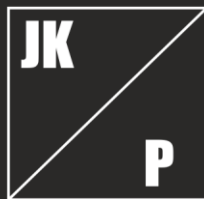
### Withwort-Gewinde UNI 2709

>> B <<

>>BSF<<

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)	Ø Bohrer (mm)
W 1/16" - 60	1,588	1,18	1,2
W 3/32" - 48	2,381	1,87	1,9
W 1/8" - 40	3,175	2,56	2,6
W 5/32" - 32	3,969	3,21	3,2
W 3/16" - 24	4,762	3,74	3,8
W 7/32" - 24	5,556	4,54	4,6
W 1/4" - 20	6,350	5,13	5,2
W 5/16" - 18	7,938	6,58	6,6
W 3/8" - 16	9,525	8,01	8,0
W 7/16" - 14	11,112	9,37	9,4
W 1/2" - 12	12,700	10,66	10,5
W 9/16" - 12	14,288	12,25	12,0
W 5/8" - 11	15,875	13,66	13,5
W 3/4" - 10	19,050	16,61	16,5
W 7/8" - 9	22,225	19,51	19,5
W 1" - 8	25,400	22,35	22,5
W 1 1/8" - 7	28,575	25,09	25,0
W 1 1/4" - 7	31,750	28,26	28,0
W 1 3/8" - 6	34,925	30,86	31,0
W 1 1/2" - 6	38,100	34,03	34,0
W 1 5/8" - 5	41,275	36,39	36,5
W 1 3/4" - 5	44,450	39,56	39,5
W 1 7/8" - 4,5	47,625	42,20	42,0
W 2" - 4,5	50,800	45,37	45,5
W 2 1/4" - 4	57,150	51,04	51,0
W 2 1/2" - 4	63,500	57,39	57,5
W 2 3/4" - 3,5	69,850	62,87	63,0
W 3" - 3	76,200	69,22	69,5

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)	Ø Bohrer (mm)
W 3/16" - 32	4,762	4,00	4,0
W 7/32" - 28	5,556	4,69	4,7
W 1/4" - 26	6,350	5,41	5,4
W 5/16" - 22	7,938	6,83	6,8
W 3/8" - 20	9,525	8,30	8,3
W 7/16" - 18	11,113	9,76	9,8
W 1/2" - 16	12,700	11,17	11,0
W 9/16" - 16	14,288	12,76	12,5
W 5/8" - 14	15,875	14,13	14,0
W 3/4" - 12	19,050	17,01	17,0
W 7/8" - 11	22,225	20,00	20,0
W 1" - 10	25,400	22,96	23,0
W 1 1/8" - 9	28,575	25,86	26,0
W 1 1/4" - 9	31,750	29,04	29,0
W 1 3/8" - 8	34,925	31,87	32,0
W 1 1/2" - 8	38,100	35,05	35,0
W 1 5/8" - 8	41,275	38,22	38,0
W 1 3/4" - 7	44,450	40,96	41,0
W 1 7/8" - 7	47,625	44,14	44,0
W 2" - 7	50,800	47,31	47,5
W 2 1/4" - 6	57,150	53,08	53,0
W 2 1/2" - 6	63,500	59,43	59,5
W 2 3/4" - 6	69,850	65,78	66,0
W 3" - 5	76,200	71,32	71,5



## Gasrohrgewinde

&gt;&gt;G&lt;&lt; UNI 338-66

&gt;&gt;Gc&lt;&lt; UNI 339-66

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)	Ø Bohrer (mm)
G 1/8" - 28	9,73	8,68	8,70
G 1/4" - 19	13,16	11,62	11,75
G 3/8" - 19	16,66	15,12	15,25
G 1/2" - 14	20,95	18,86	19,00
G 5/8" - 14	22,91	20,82	21,00
G 3/4" - 14	26,44	24,35	24,50
G 7/8" - 14	30,20	28,11	28,25
G 1" - 11	33,25	30,59	30,50
G 1 1/8" - 11	37,90	35,24	35,50
G 1 1/4" - 11	41,91	39,25	39,50
G 1 3/8" - 11	44,32	41,66	41,50
G 1 1/2" - 11	47,80	45,14	45,00
G 1 5/8" - 11	51,32	48,67	48,50
G 1 3/4" - 11	53,75	51,08	51,00
G 2" - 11	59,61	56,95	57,00
G 2 1/4" - 11	65,71	63,05	63,00
G 2 1/2" - 11	75,18	72,52	72,50
G 2 3/4" - 11	81,53	78,87	79,00
G 3" - 11	87,88	85,22	85,50
G 3 1/4" - 11	93,98	91,32	91,50
G 3 1/2" - 11	100,33	97,67	97,50
G 3 3/4" - 11	106,68	104,02	104,00
G 4" - 11	113,03	110,37	110,50

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)	Ø Bohrer (mm)
Gc 1/8"-28	8,5	4,9	3,1
Gc 1/4"-19	11,5	7,3	4,7
Gc 3/8"-19	15,0	7,7	5,1
Gc 1/2"-14	18,5	10,0	6,4
Gc 3/4"-14	23,5	11,3	7,7
Gc 1"-11	30,0	12,7	8,1
Gc 1 1/4"-11	38,0	15,0	10,4
Gc 1 3/8"-11	41,0	15,0	10,4
Gc 1 1/2"-11	44,5	15,0	10,4
Gc 2"-11	56,0	18,2	13,6
Gc 2 1/2"-11	72,0	21,0	14,0
Gc 3"-11	85,0	24,1	17,1
		<b>max.</b>	<b>min.</b>

## AMERIKANISCHES GEWINDE

### Standard «NC» und «UNC»

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)	Ø Bohrer (mm)
UNC Nr. 1-64	1,854	1,425	1,582
UNC Nr. 2-56	2,184	1,694	1,872
UNC Nr. 3-48	2,515	1,941	2,136
UNC Nr. 4-40	2,845	2,156	2,383
UNC Nr. 5-40	3,175	2,487	2,697
UNC Nr. 6-32	3,505	2,647	2,909
UNC Nr. 8-32	4,166	3,307	3,515
UNC Nr. 10-24	4,826	3,680	3,960
UNC Nr. 12-24	5,486	4,341	4,575
UNC 1/4"-20	6,350	4,976	5,232
UNC 5/16"-18	7,938	6,411	6,680
UNC 3/8"-16	9,525	7,805	8,087
UNC 7/16"-14	11,112	9,149	9,451
UNC 1/2"-13	12,700	10,584	10,896
UNC 9/16"-12	14,288	11,996	12,319
UNC 5/8"-11	15,875	13,376	13,709
UNC 3/4"-10	19,050	16,299	16,644
UNC 7/8"-9	22,225	19,169	19,530
UNC 1"-8	25,400	21,963	22,339
UNC 1 1/8"-7	28,575	24,648	25,039
UNC 1 1/4"-7	31,750	27,823	28,214
UNC 1 3/8"-6	34,925	30,343	30,800
UNC 1 1/2"-6	38,100	33,518	33,975

### Fein «NF» und «UNF»

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)		Ø Bohrer (mm)
UNF Nr. 0-80	1,524	1,181	1,306	1,3
UNF Nr. 1-72	1,854	1,473	1,613	1,6
UNF Nr. 2-64	2,184	1,755	1,913	1,9
UNF Nr. 3-56	2,515	2,024	2,174	2,1
UNF Nr. 4-48	2,845	2,271	2,438	2,35
UNF Nr. 5-44	3,175	2,550	2,713	2,65
UNF Nr. 6-40	3,505	2,817	2,995	2,9
UNF Nr. 8-36	4,166	3,401	3,561	3,5
UNF Nr. 10-32	4,826	3,967	4,125	4
UNF Nr. 12-28	5,486	4,503	4,466	4,6
UNF 1/4"-28	6,350	5,367	5,519	5,4
UNF 5/16"-24	7,938	6,792	6,957	6,7
UNF 3/8"-24	9,525	8,379	8,545	8,4
UNF 7/16"-20	11,112	9,738	9,921	9,8
UNF 1/2"-20	12,700	11,326	11,509	11,4
UNF 9/16"-18	14,288	12,761	12,954	12,8
UNF 5/8"-18	15,875	14,348	14,542	14,4
UNF 3/4"-16	19,050	17,330	17,534	17,4
UNF 7/8"-14	22,225	20,261	20,477	20,3
UNF 1"-12	25,400	23,109	23,338	23,2
UNF 1 1/8"-12	28,570	26,284	26,513	26,4
UNF 1 1/4"-12	31,750	29,459	29,688	29,6
UNF 1 3/8"-12	34,920	32,634	32,863	32,7
UNF 1 1/2"-12	38,100	35,809	36,038	35,9
		max.	min.	

### «NPS» Rohrgewinde

Gewinde	Ø Außen (mm)	Ø Bohrung (mm)	Ø Bohrer (mm)
NPS 1/8"-27	10,27	8,92	8,9
NPS 1/4"-18	13,57	11,54	11,5
NPS 3/8"-18	17,05	15,03	15,0
NPS 1/2"-14	21,22	18,61	18,5
NPS 3/4"-14	26,56	23,95	24,0
NPS 1"-11½	33,22	30,05	30,0
NPS 1¼"-11½	41,98	38,80	39,0
NPS 1½"-11½	48,05	44,87	45,0
NPS 2"-11½	60,09	56,91	57,0
NPS 2½"-8	72,70	68,13	68,0
NPS 3"-8	88,60	84,04	84,0

### «NPT» Kegeliges Gewinde

Gewinde	Ø Bohrung (mm)
NPS 1/8"-27	8,5
NPS 1/4"-18	11,0
NPS 3/8"-18	14,5
NPS 1/2"-14	18,0
NPS 3/4"-14	23,0
NPS 1"-11½	29,0
NPS 1¼"-11½	38,0
NPS 1½"-11½	44,0
NPS 2"-11½	56,0
NPS 2 1/2"-8	67,0
NPS 3"-8	83,0

Angaben verstehen sich als unverbindliche Richtwerte!