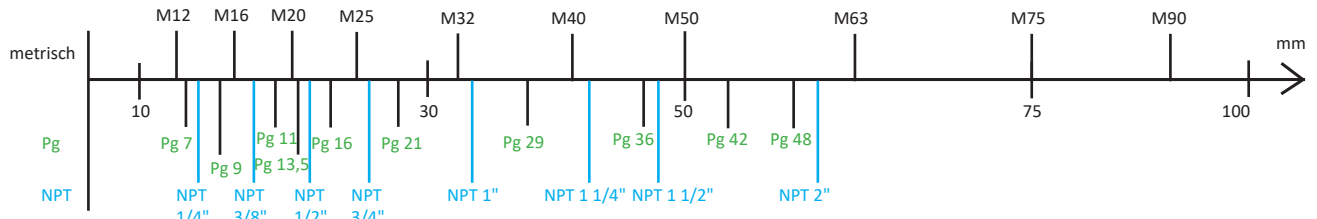


Gegenüberstellung,  
Gewinde-Außendurchmesser  
Comparison thread diameter



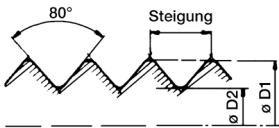
### Metrisches ISO-Gewinde nach EN 60423

### Metric ISO thread to EN 60423

ISO	Steigung / Pitch (mm)	Außen- $\phi$ / Outside diameter D1 (mm)	Kern- $\phi$ , min. / Core diameter, min. D2 (mm)	Durchgangsbohrung/Jacob-Vorgabe Clearance hole / Jacob-specification (mm)
M10x1,0	1,0	10	8,528	10 +0,2
M12x1,5	1,5	12	9,846	12 +0,2
M16x1,5	1,5	16	13,846	16 +0,2
M20x1,5	1,5	20	17,846	20 +0,2
M25x1,5	1,5	25	22,834	25 +0,2
M32x1,5	1,5	32	29,834	32 +0,2
M40x1,5	1,5	40	37,834	40 +0,2
M50x1,5	1,5	50	47,820	50 +0,2
M63x1,5	1,5	63	60,820	63 +0,2
M75x1,5	1,5	75	72,820	75 +0,3
M90x2,0	2,0	90	87,151	90 +0,3
M110x2,0	2,0	110	107,151	110 +0,3

### Pg-Gewinde nach DIN 40430

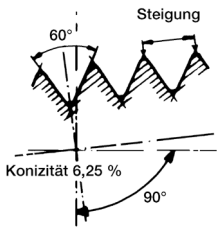
### Pg thread to DIN 40430



Pg	Steigung / Pitch (mm)	Außen- $\phi$ / Outside diameter D1 (mm)	Kern- $\phi$ / Core diameter D2 (mm)	Durchgangsbohrung/Jacob-Vorgabe Clearance hole / Jacob-specification (mm)
Pg 7	1,270	12,5	11,28	12,7
Pg 9	1,410	15,2	13,86	15,4
Pg 11	1,410	18,6	17,26	18,8
Pg 13	1,410	20,4	19,06	20,6
Pg 13,5	1,410	22,5	21,16	22,7
Pg 21	1,588	28,3	26,78	28,5
Pg 29	1,588	37,0	35,48	37,2
Pg 36	1,588	47,0	45,48	47,2
Pg 42	1,588	54,0	52,48	54,2
Pg 48	1,588	59,3	57,78	59,5

### NPT (konisch) amerikanisches Rohrgewinde

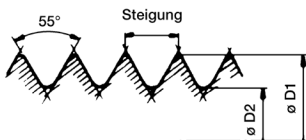
### NPT (conical) American pipe thread



NPT	Steigung / Pitch (mm)	Außen- $\phi$ / Outside diameter (mm)	Gangzahl Number of threads per unit length (n)
NPT 1/4"	1,411	13,616	18
NPT 3/8"	1,411	17,055	18
NPT 1/2"	1,814	21,223	14
NPT 3/4"	1,814	26,568	14
NPT 1"	2,208	33,227	11 1/2
NPT 1 1/4"	2,208	41,984	11 1/2
NPT 1 1/2"	2,208	48,053	11 1/2
NPT 2"	2,208	60,091	11 1/2
NPT 2 1/2"	3,175	72,699	8
NPT 3"	3,175	88,608	8
NPT 3 1/2"	3,175	100,013	8

### Rohrgewinde nach DIN ISO 228

### Pipe thread to DIN ISO 228



G	Steigung / Pitch (mm)	Außen- $\phi$ / Outside diameter D1 (mm)	Kern- $\phi$ / Core diameter D2 (mm)	Durchgangsbohrung/Jacob-Vorgabe Clearance hole / Jacob-specification (mm)
G 1/4"	1,337	13,157	11,145	13,4
G 3/8"	1,337	16,662	14,950	17,0
G 1/2"	1,814	20,955	18,631	21,3
G 3/4"	1,814	26,441	24,117	26,8
G 1"	2,309	33,249	30,291	33,7
G 1 1/4"	2,309	41,910	38,952	42,4
G 1 1/2"	2,309	47,803	44,845	48,3
G 2"	2,309	59,614	56,656	60,2
G 2 1/2"	2,309	75,184	72,226	75,7
G 3"	2,309	87,884	84,926	88,5
G 3 1/2"	2,309	100,330	97,372	101,0
G 4"	2,309	113,030	110,072	114,0