Räumnadelverzeichnis

AUSGABE 2026

Freude am Zerspanen

OKEY AG · In der Euelwies 8 · CH-8408 Winterthur · Tel. +41 44 301 40 60 · info@okey.ch · www.okey.ch

Inhaltsverzeichnis

1. OKEY AG – Leistungen im Räumen (Broaching) 4
2. Allgemeine Informationen 4
3. Kerbverzahnung DIN 5481 6
4. Kerbverzahnung B.S.A. 19 Fein 9
5. Kerbverzahnung B.S.A. 19 Grob 10
6. Keilnabenprofil DIN ISO 14 (DIN 5462) 11
7. Keilnabenprofil DIN 5462 (Schleifzugabe im Innendurchmesser) 13
8. Keilnabenprofil DIN ISO 14 (DIN 5463) 14
9. Keilnabenprofil DIN 5463 (Schleifzugabe im Innendurchmesser) 16
10. Keilnabenprofil DIN 5463 / DIN 5472 17
11. Keilnabenprofil DIN 5463 / 5472 (Schleifzugabe im Innendurchmesser) 18
12. Keilnabenprofil DIN 5464 19
13. Keilnabenprofil DIN 5464 (Schleifzugabe im Innendurchmesser) 20
14. Keilnabenprofil DIN 5471 21
15. Keilnabenprofil DIN 5472 22
16. Keilnabenprofil B.S.A. 20 23
17. Keilnabenprofil B.S.A. 20 (Schleifzugabe im Innendurchmesser) 24
18. Spezial-Keilnabenprofil 25
19. Zahnnabenprofil DIN 5482 (Eingriffswinkel 30°) 28
20. Zahnnabenprofil Involute-Splines DP (Eingriffswinkel 30°) 30
21. Zahnnabenprofil Involute-Splines ISO 4156 (Eingriffswinkel 30°) 32
22. Zahnnabenprofil DIN 5480 (Eingriffswinkel 30°) 33
23. Kupplungsverzahnung NF E 22-141 (Französisch, Eingriffswinkel 20°) 37
24. Kupplungsverzahnung NF E 22-141 (Schleifzugabe im Innendurchmesser) 38
25. Laufverzahnung (Eingriffswinkel 20°) 39
26. Vierkantprofil 40
27. Sechskantprofil 48
28. Achtkant 52
29. Dreikant 53
30. Doppel-Sechskant 54
31. Zweiflächenprofil 55
32. Einflächenprofil 57
33. Rechteckprofil 58
34. Rundräumung 60
35. Polygon-Profil (P3G, P4G …) 61
36. Profil ATAR 62
37. Spezialprofile 63
38. Spezial-Verzahnung 65

39. Spezial-Kerbverzahnung 66
40. Nockenprofil 67
41. Kerbverzahnung DBN 442 68
42. Flachnadeln / Keilnuten 69

Die Norm-Tabellen entsprechen dem aktuellen, bereinigten Bestand (Stand 2026), dedupliziert.

1. OKEY AG – Leistungen im Räumen (Broaching)

Die **OKEY AG** in Winterthur (Schweiz) ist Ihr Partner für das **Räumen** (engl. *broaching*) von Präzisionsprofilen – im Lohnauftrag und in Serie. Wir räumen Innen- und Aussenprofile und verfügen über einen umfangreichen Bestand an Räumnadeln (engl. *broaches*).

Leistungen:

- Lohnräumen von Innen- und Aussenprofilen (internal & external broaching)
- Verzahnungen, Keilnaben- und Zahnnabenprofile, Kerbverzahnungen, Vielkeilprofile
- Mehrkant (Vier-, Sechs-, Achtkant), Keilnuten (keyways) und Sonderprofile
- Über 2000 vorhandene Räumnadel-Ausführungen ab Lager

Normen (Auszug): DIN 5480, DIN 5481, DIN 5482, DIN 5462–5472, BSA 19/20, NF E 22-141, ISO 4156, DP sowie Keilnuten nach DIN 6885.

Werkstoffe: Stahl, Edelstahl, Guss/GGG, Aluminium, Titan, Kunststoff u.a.

> **English summary:** OKEY AG (Winterthur, Switzerland) provides precision internal and external **broaching** as a contract service — splines, serrations, keyways and polygon profiles to DIN, ISO, BSA and NF standards. A large in-house stock of broaching tools (broaches) covers 2000+ profiles.

OKEY AG · In der Euelwies 8 · CH-8408 Winterthur · Tel. +41 44 301 40 60 · info@okey.ch · www.okey.ch

2. Allgemeine Informationen

Vorbereitung der zu räumenden Teile

Um die Räumarbeit rationell und massgenau durchzuführen, ist eine einwandfreie Vorbearbeitung unerlässlich. In erster Linie betrifft dies die Ausgangsbohrung. Diese muss auf jeden Fall auf die in den Tabellen angegebenen Masse und Toleranzen bearbeitet sein, selbst dann, wenn sie für die Funktion des Bauteils ohne Bedeutung ist. Es ist ganz besonders wichtig, dass die Auflageflächen genau planlaufend zur Ausgangsbohrung bearbeitet sind.

Räumlänge

Die in den Tabellen angegebenen Masse für die Räumlänge sind Richtwerte. Bei sehr günstigen Spannungsverhältnissen können diese überschritten, bei extrem schwierig zu zerspannenden Materialien hingegen müssen reduziert werden. Bitte treten Sie bei Grenzfällen mit uns in Verbindung.

Entgraten

Ohne ausdrücklichen Verlangen werden die geräumten Teile von uns nicht entgratet. Um diese oft kostenspielige Operation bei Verzahnungen, Keilwellen usw. umgehen zu können, empfehlen wir die Ausgangsbohrung beidseitig anzuschrägen

Profilstellung

Eine vorgeschriebene Stellung des zu räumenden Profils (z.B. bei einer Kerbverzahnung) erschwert und verteuert die Räumoperation. In den meisten Fällen, besonders wenn die Profilstellung in engen Grenzen eingehalten werden muss, ist es wirtschaftlich sinnvoller, zuerst zu räumen und die kritischen Partien anschliessend auf einer entsprechenden Aufspannvorrichtung zu bearbeiten. Auf jeden Fall muss sich die Zahnstellung beim Innenprofil auf einen Zahn, beim Aussenprofil auf eine Zahnlücke beziehen

Rundlauffehler

Ein kleiner Rundlauffehler des geräumten Profils ist in den meisten Fällen nicht zu vermeiden. Es ist deshalb unumgänglich, dass die kritischen Partien eines genauen Werkstücks erst nach dem Räumen auf entsprechenden

Aufnahmedornen fertig bearbeitet werden. Bei Mehrkeilprofilen, besonders wenn diese gehärtet werden, empfehlen wir folgenden prinzipiellen Operationsablauf: Drehen mit Schleifzugabe, Ausgangsbohrung nach Tabelle, z.B. C2S (in der Regel 0,2 unter Nennmass) Räumen, Einsetzen und Härten, Schleifen der Aussenpartien auf Spezial-Keildomen mit Aussenzentrierung nach Skizze. Innenschleifen der Bohrung auf Fertigmass, genau rundlaufend zu den geschliffenen Aussenpartien

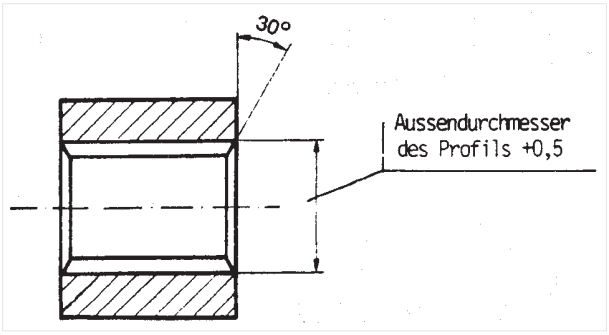
Richtmasse für Dorn

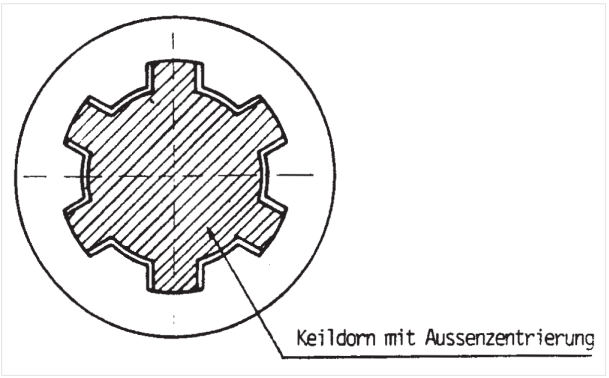
```
d1' = d1 − 2 mm
```

```
d2' = d2 genau nach geräumten Stück
```

```
b' = b − 1 mm
```

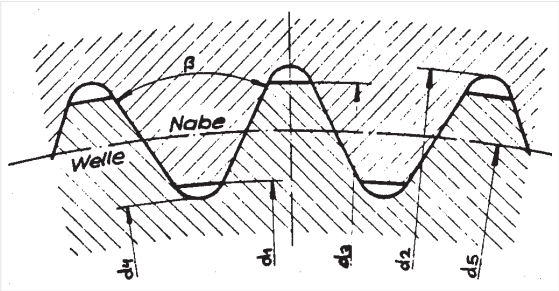
```
Dorn hat ca. 0,02 mm Anzug auf 100 mm
```





3. Kerbverzahnung DIN 5481

96 Ausführungen



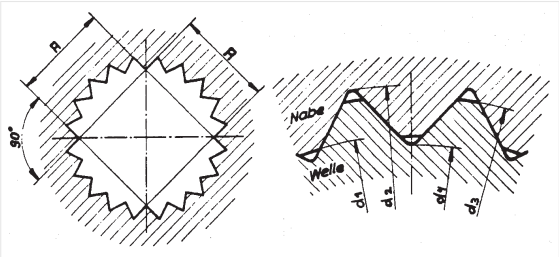
Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
5x6	z=19	0.293901	90°	ø 5.10-H7	16
7x8	z=28	0.26786	60°	ø 7.25-H7	14-35
7x8	z=23	0.26786	90°	ø 7.00-H7	9-23
7x8	z=28			ø 7.25-H7	8-13
7x8	z=23			ø 7.00-H7	8-20
8x10	z=28			ø 8.4-H7	17-35
8x10	z=28	0.32143	60°	ø 8.44-H7	14-35
8x10	z=28			ø 8.4-H7	10-25
8x10	z=28			ø 8.27-H7	10-25
8x10	z=28			ø 8.44-H7	10-25
8x10	z=28			ø 8.44-H7	14-35
10x12	z=30	0.36667	60°	ø 10.47-H7	10-30
10x12	z=30	0.36667	60°	ø 10.47-H7	12-30
10x12	z=30	0.36667	60°	ø 10.47-H7	20-60
10x12	z=30			ø 10.47-H7	35+30
10x12	z=30			ø 10.47-H7	9-30
12x14	z=31	0.41935	60°	ø 12.37	10-60
12x14	z=31	0.41935	60°	ø 12.37	12-30
12x14	z=31	0.41935	60°	ø 12.37	24-60
12x14	z=31	0.41935	60°	ø 12.37	16-40
12x14	z=31	0.41935	60°	ø 12.37	13-17
12x14	z=31		60°	ø 12.37-H7	216
12x14	z=31			ø 12.36-H7	216
12x14	z=31		60°	ø 12.37-H7	24-60
12x14	z=31			ø 12.37-H7	10-60
12x14	z=31			ø 12.28-H7	13-17
12x14	z=31			ø 12.26-H7	14-35
12x14	z=31		60°	ø 12.37-H7	16-40
12x14	z=31			ø 12.37-H7	14-40
12x14	z=31			ø 12.1-H7	10-25
15x17	z=32	0.5	60°	ø 15.27-H7	14-25
15x17	z=32	0.5	60°	ø 15.27-H7	16-45
15x17	z=32	0.5	60°	ø 15.27-H7	16-40

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
15x17	z=32	0.5	60°	ø 15.27-H7	20-50
15x17	z=32			ø 15.09-H7	14-35
15x17	z=32			ø 15.27-H7	10-45
15x17	z=32			ø 15.27-H7	20-…
17x20	z=33		60°	ø 17.67	20-60
17x20	z=33		60°	ø 17.67	20-54
17x20	z=33			ø 17.6-H7 *	14-42
17x20	z=33			ø 17.61-H7	15-24
17x20	z=33 (Doppellücke)			ø 17.5-H7	15-40
17x20	z=33		90°	ø 17.58-H7	14-40
17x20	z=33			ø 17.35-H7	16-40
17x20	z=33			ø 17.6-H7	14-40
17x20	(z=33) (Doppelzahn)			ø 17.5-H7	15-40
17x20	z=33			ø 17.67-H7	21-…
17x20	z=33			ø 17.67-H7	20-55
17x20	z=33			ø 17.67-H7	12-54
17x20	z=33			ø 17.67-H7	14-40
21x24	z=34		60°	ø 21.2	16-25
21x24	z=34		60°	ø 21.2	28-80
21x24	z=34		60°	ø 21.2	14-35
21x24	z=34/60°			ø 21.2-H7	32-80
21x24	z=34 (-1) (Doppelzahn)			ø 21-H7	20-45
21x24	z=34			ø 21.12-H7	25-31
21x24	z=34		60°	ø 21.2-H7	32-80
21x24	z=34 (Doppelzahn)			ø 21-H7	20-45
26x30	z=35		60°	ø 26.90-H7	14-35
26x30	z=35		60°	ø 26.90-H7	12-54
26x30	z=35		60°	ø 26.90-H7	16-40
26x30	z=35		60°	ø 26.80-H7	28-35
30x34	z=36		60°	ø 30.93-H7	15-60
30x34	z=36		60°	ø 30.93-H7	24-60
30x34	z=36			ø 30.78-H7	14-35
30x34	z=36			ø 30.80-H7	20-55
30x34	z=36			ø 30.80-H7	32-39
30x34	z=36		60°	ø 30.80-H7	17-42
30x34	z=36		60°	ø 30.80-H7	32-39
36x40	z=37		60°	ø 36.43-H7	32-80
36x40	z=37		60°	ø 36.28-H7	20-50
36x40	z=37		60°	ø 36.30-H7	32-40
40x44	z=38		60°	ø 40.40-H7	32-70
40x44	z=38		60°	ø 40.30-H7	24-60
45x50	z=39		60°	ø 45.55-H7	30-90
45x50	z=39		60°	ø 45.44-H7	28-90
45x50	z=39		60°	ø 45.30-H7	24-65
45x50	z=39			ø 45.30-H7	23-50

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
45x50	z=39		60°	ø 45.32-H7	30-80
50x55	z=40		60°	ø 50.44-H7	32-90
50x55	z=40		60°	ø 50.32-H7	25-65
50x55	z=40		60°	ø 55.31-H7	25-65
50x55	z=40		60°	ø 50.44-H7	24-70
50x55	z=40		60°	ø 50.35-H7	24-60
55x60	z=42		60°	ø 55.45-H7	40-100
55x60	z=42		60°	ø 56.31-H7	24-60
60x65	z=41		60°	ø 60.50-H7	42-99
65x70	z=45		60°	ø 65.50-H7	42-99
65x70	z=45		60°	ø 65.50-H7	40-100
65x70	z=45			ø 65.40-H7	40-85 85
70x75	z=48		60°	ø 70.50-H7	42-99
75x80	z=51		60°	ø 75.50-H7	42-99
80x85	z=55		60°	ø 80.5-H7	42-99
85x90	z=58		60°	ø 85.5-H7	42-99
90x95	z=61		60°	ø 90.5-H7	40-110
95x100	z=65		60°	ø 95.5-H7	46-109

4. Kerbverzahnung B.S.A. 19 Fein

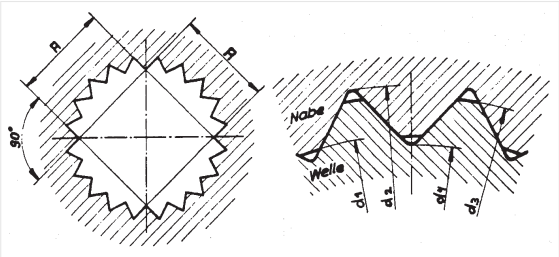
11 Ausführungen



Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
1 1/8"x48	z=48 (Doppelzahn)	82°30'	ø 27.15-H7	16-74
1"x48	z=48		ø 24.20-H7	24-60
1/2"x36	z=36		ø 11.86-H7	7-17
2"x48	z=48		ø 48.31-H7	19-89
3/8"x36	z=36		ø 8.94-H7	9-23
5/16"x36	z=36		ø 7.42-H7	12
5/16"x36	z=36		ø 7.42-H7	10-15
5/8"x36	z=36		ø 14.83-H7	11-39
7/16"x36	z=36		ø 10.39-H7	9-23
7/16"x36	z=36 (Doppelzahn)		ø 10.39-H7	9-23
7/8"x48	z=48		ø 21.20-H7	20-40

5. Kerbverzahnung B.S.A. 19 Grob

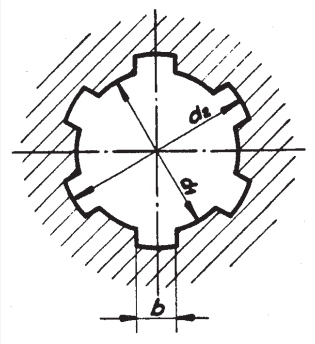
6 Ausführungen



Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
1 1/4"x24	z=24		ø 28.77-H7	16-74
1 1/8"x24	z=24		ø 25.9-H7	15-69
1/2"x16	z=16		ø 11.05-H7	11-29
1/2"x16	z=16	67.5°	ø 11.05-H7	15-32
3/4"x20	z=20		ø 16.96-H7	13-47
3/8"x16	z=16		ø 8.3-H7	6.5-19

6. Keilnabenprofil DIN ISO 14 (DIN 5462)

49 Ausführungen

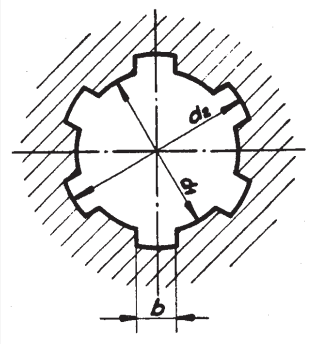


Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x23.0x26.12x6-F9	6 Keile	ø 23.0-H7	28-80
6x23.0x26x6-F9	6 Keile	ø 23.0-H7	28-80
6x26x30x6-D9 (ist 6.06mm)	6 Keile	ø 26.0-H7	40-80
6x26x30x6-F10	6 Keile	ø 26.0-H7	40-80
6x26x30x6-F9	6 Keile	ø 26.0-H7	28-80
6x26x30x6-F9	6 Keile	ø 26.0-H7	26-80
6x28x32x7-D9	6 Keile	ø 28.0-H7	28-80
6x28x32x7-F8	6 Keile	ø 28.0-H7	35-60
6x28x32x7-F9	6 Keile	ø 28.0-H7	22-55
6x28x32x7-F9	6 Keile	ø 28.0-H7	35-60
8x32x36.18x6-F9	8 Keile	ø 32.0-H7	28-70
8x32x36.2x6.04 +0.01	8 Keile	ø 32.0-H7	30-80
8x32x36x6-D9	8 Keile	ø 32.0-H7	30-80
8x32x36x6-D9	8 Keile	ø 32.0-H7	40-80
8x32x36x6-F10	8 Keile	ø 32.0-H7	30-80
8x32x36x6-F9	8 Keile	ø 32.0-H7	28-70
8x32x36x6-F9	8 Keile	ø 32.0-H7	40-80
8x36x40-H11x7-D9	8 Keile	ø 36.0-H7	24-70
8x36x40.15x7.03 +0.02 (F9= +13/+49)	8 Keile	ø 35.8-H7	28-70
8x36x40x7	8 Keile	ø 36.0-H7	30-109
8x36x40x7-D9	8 Keile	ø 36.0-H7	40-80
8x36x40x7-F10	8 Keile	ø 36.0-H7	28-70
8x36x40x7.02 (F9= +13/+49)	8 Keile	ø 36.0-H7	40-80
8x42x46.2x8-F9	8 Keile	ø 42.0-H7	36-110
8x42x46.2x8.05+0.01 (D9= +40/+76)	8 Keile	ø 41.8-H7	36-110
8x42x46x8-D9	8 Keile	ø 42.0-H7	36-100
8x42x46x8-F9	8 Keile	ø 42.0-H7	36-110
8x42x46x8-F9	8 Keile	ø 42.0-H7	30-49
8x42x46x8-F9	8 Keile	ø 42.0-H7	40-80
8x42x46x8.04 +0.01 (D9= +40/+76)	8 Keile	ø 42.0-H7	36-110
8x46x50.2x9+0.03/+0.04	8 Keile	ø 46.0-H7	28-80
8x46x50x9-D9	8 Keile	ø 46.0-H7	28-70

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
8x46x50x9-F9	8 Keile	ø 45.8-H7	28-80
8x46x50x9-F9	8 Keile	ø 46-H7	40-120
8x46x50x9-F9	8 Keile	ø 46-H7	30-80
8x52x58x10-F9	8 Keile		40-60
8x52x58x10-F9	8 Keile	ø 52-H7	17-80
8x52x58x10-F9	8 Keile	ø 52-H7	40-60
8x52x58x10-F9	8 Keile	ø 52-H7	32-80
8x56.0x62x10-D9	8 Keile	ø 56-H7	30-100
8x62x68x12-D9	8 Keile	ø 62-H7	30-90
8x62x68x12-F9	8 Keile	ø 62-H7	40-100
10x 72x78.2x12-F9	10 Keile	ø 72-H7	40-120
10x 72x78x12-F9	10 Keile	ø 72-H7	40-70
10x 82x88x12-F9	10 Keile	ø 82-H7	40-120
10x 92x 98x14-F9	10 Keile	ø 92-H7	40-100
10x112x120x18-F9	10 Keile - Keil bis ø 116	ø 112.0-H7	52-124
10x112x120x18-F9	10 Keile - Keil ab ø 116 - ø 120	ø 112.0-H7	52-124
10x122x130x18-F9	10 Keile - Keil ab ø 128.45 - ø 130	ø 122.0-H7	22-104

7. Keilnabenprofil DIN 5462 (Schleifzugabe im Innendurchmesser)

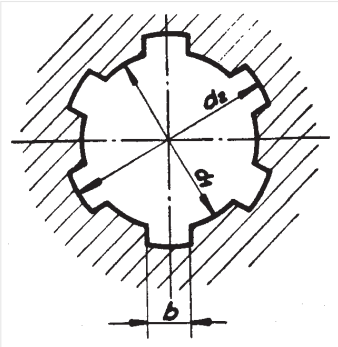
22 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x22.8x26.14+0.02x6.05+0.01	6 Keile	ø 22.8-H7	20-54
6x22.8x26.15x6-F9	6 Keile	ø 22.8-H7	24-60
6x22.8x26x6-F9	6 Keile	ø 22.8-H7	20-54
6x23.0x26x6-F9	6 Keile	ø 23.0-H7	20-54
6x23.0x26x6-F9	6 Keile	ø 23.0-H7	24-60
6x25.8x30.14±0.02x6.04+0.01	6 Keile	ø 25.8-H7	30-60
6x25.8x30x6-D9	6 Keile	ø 25.8-H7	30-60
6x25.8x30x6-F9	6 Keile	ø 25.8-H7	24-60
6x27.8x32x7-F9	6 Keile	ø 27.8-H7	30-80
8x31.7x36x6-D9	8 Keile	ø 31.7-H7	24-60
8x31.8x36x6-D9	8 Keile	ø 31.8-H7	30-80
8x31.8x36x6-F9	8 Keile	ø 31.8-H7	30-80
8x31.8x36x6.08	8 Keile	ø 31.8-H7 Keil 35.56	35-60
8x35.8x40x7-F9	8 Keile	ø 35.8-H7	28-70
8x41.8x46x8-F9	8 Keile	ø 41.8-H7	28-80
8x45.8x50x9-F9	8 Keile	ø 45.8-H7	28-80
8x51.8x58x10-F9	8 Keile	ø 51.8-H7	17-80
8x55.8x62x10-F9	8 Keile	ø 55.8-H7	30-80
8x61.8x68x12-F9	8 Keile	ø 61.8-H7	21-100
10x 71.8x78x12-F9	10 Keile	ø 71.8-H7	36-100
10x 81.8x88x12-F9	10 Keile	ø 81.8-H7	40-120
10x 91.8x 98x14-D9	10 Keile	ø 91.8-H7	40-120

8. Keilnabenprofil DIN ISO 14 (DIN 5463)

59 Ausführungen

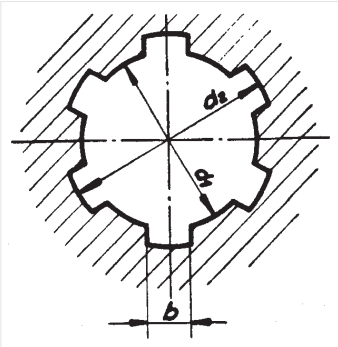


Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
6x11x14.11x3	6 Keile		ø 11.0-H7	9-23
6x11x14.11x3.015 +0.01	6 Keile		ø 11.0-H7	9-23
6x11x14x3-F9	6 Keile		ø 11.0-H7	16-40
6x11x4.13x3.04 (D9)	6 Keile		ø 11.0-H7	10-40
6x12.8x16.12x3.5-F9	6 Keile		ø 12.8-H7	18-50
6x13-H7x16-H11x3.5-F8	6 Keile		ø 13.0-H7	20-50
6x13x16-H11x3.5-F9	6 Keile		ø 13.0-H7	14-35
6x13x16.11x3.52	6 Keile		ø 13.0-H7	20-50
6x13x16x3.5-F9	6 Keile		ø 12.8-H7	20-50
6x16x20-H11x4-D9	6 Keile		ø 16.0-H7	16-40
6x16x20-H11x4-D9	6 Keile		ø 16.0-H7	24-60
6x16x20-H12x4-H9	6 Keile		ø 16.0-H7	20-50
6x16x20.15x4.04-0.01	6 Keile		ø 15.8-H7	16-40
6x16x20x4-F9	6 Keile		ø 16.0-H7	16-40
6x16x20x4-F9	6 Keile		ø 16.0-H7	15-50
6x18x22x5	6 Keile		ø 17.8-H7 Keil 20	25-50
6x18x22x5	6 Keile		ø 18.0-H7 Keil 18.68	24-60
6x18x22x5	6 Keile		ø 18.0-H7 (Keil 19.7)	24-60
6x18x22x5-D9	6 Keile		ø 18.0-H7	20-50
6x18x22x5-D9	6 Keile		ø 18.0-H7	24-60
6x18x22x5-F9	6 Keile		ø 18.0-H7	20-50
6x18x22x5-F9	6 Keile		ø 18.0-H7	20-60
6x20.8x25x5-F9	6 Keile		ø 20.8-H7	20-45
6x21x25x5	6 Keile		ø 20.8-H7	20-50 .
6x21x25x5-F7	6 Keile		ø 20.8-H7	20-60
6x23.0x28x6.09	6 Keile		ø 23.0-H7	25-62.5
6x26x32.18x7	6 Keile		ø 25.8-H7	22-70
6x28-H7x34.2x7+0.03	6 Keile		ø 27.8-H7	28-70
8x32x38.18x6-F9	8 Keile		ø 31.8-H7	24-70
8x32x38x6-D9	8 Keile		ø 32.0-H7	30-80
8x32x38x6-D9	8 Keile		ø 32.0-H7	32-80
8x32x38x6-D9	8 Keile		ø 32.0-H7 Keile 36	24-60

Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
8x32x38x6-F7	8 Keile		ø 32.0-H7	24-70
8x36x42x7-D9	8 Keile		ø 36.0-H7	30-80
8x36x42x7-F10	8 Keile		ø 36.0-H7	30-80
8x36x42x7-F9	8 Keile		ø 36.0-H7	30-80
8x36x42x7-F9	8 Keile		ø 36.0-H7	28-70
8x36x42x7-F9	8 Keile		ø 36.0-H7	45-80
8x42x48-H11x8-D9	8 Keile		ø 42.0-H7 (Keil 46)	36-100
8x42x48x8-D9	8 Keile		ø 42.0-H7	30-80
8x42x48x8-F9	8 Keile		ø 42.0-H7	28-75
8x42x48x8.04 +0.01 (D9= +40/+76)	8 Keile		ø 42.0-H7	36-110
8x46x54.2x9+0.03/+0.04	8 Keile		ø 46-H7	28-80
8x46x54x9-D9	8 Keile		ø 46-H7	28-70
8x46x54x9-F9	8 Keile		ø 46-H7	30-80
8x46x54x9-F9	8 Keile		ø 46-H7	32-80
8x52x60.1x10-F9	8 Keile		ø 52-H7	30-80
8x52x60.2x10-F9	8 Keile		ø 52-H7 (Keil ø 57.8)	32-80
8x52x60.2x10-F9	8 Keile		ø 52-H7	28-80
8x52x60.2x10.06	8 Keile	14°	ø 51.8-H7	50-70
8x52x60x10-F9	8 Keile		ø 52-H7 (ø 57.85)	32-80
8x56.0x65x10-F9	8 Keile		ø 56-H7	28-80
8x62x72x12-D9	8 Keile		ø 62-H7 (ø68)	21-100
8x62x72x12-F9	8 Keile		ø 62-H7 (ø68)	40-100
10x 72x82x12-F9	10 Keile		ø 72-H7	40-120
10x 82x92x12-F9	10 Keile		ø 82-H7	21-120
10x 92x102x14-D9	10 Keile		ø 92-H7	21-100
10x101.8x112-H11x16-D9	10 Keile		ø 101.8-H7	23-109
10x112x125x18-F9	10 Keile - Keil ab ø 120 - ø 125		ø 112.0-H7	26-124

9. Keilnabenprofil DIN 5463 (Schleifzugabe im Innendurchmesser)

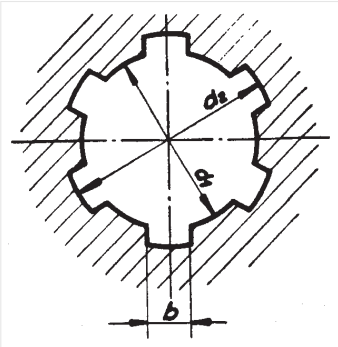
25 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x10.8x14x3-D10	6 Keile	ø 10.8-H7	15-30
6x10.8x14x3-F9	6 Keile	ø 10.8-H7	
6x12.8x16.1-H10x3.5-F9	6 Keile	ø 12.8-H7	14-35
6x12.8x16x3.5-F9	6 Keile	ø 12.8-H7	20-50
6x15.8x20.12-F9	6 Keile	ø 15.8-H7	15-40
6x15.8x20.12x4-F9	6 Keile	ø 15.8-H7	15-40
6x17.8x22.15x5-F9	6 Keile	ø 17.8-H7	20-60
6x17.8x22.3x5-F9 (5.02 +0.01)	6 Keile	ø 17.8-H7	16-35
6x17.8x22x5-D9	6 Keile	ø 17.8-H7	20-50
6x17.8x22x5-F9	6 Keile	ø 17.8-H7	....-50
6x20.8x25x5-F9	6 Keile	ø 20.8-H7	20-50
6x22.8x28x6-D9	6 Keile	ø 22.8-H7	24-60
8x31.8x38x6-D9	8 Keile	ø 31.8-H7	30-80
8x35.8x42x7-F9	8 Keile	ø 35.8-H7	28-70
8x41.8x48.15x8.07 (D9= +40/+76)	8 Keile	ø 41.8-H7	35-60
8x41.8x48x8-F9	8 Keile	ø 41.8-H7	28-80
8x45.8x54x9-F9	8 Keile	ø 45.8-H7	28-80
8x51.7x56x10-D9	8 Keile	ø 51.7-H7 (ø 56)	60-80
8x51.7x60x10-D9	8 Keile	ø 51.7-H7	60-80
8x51.8x60x10-F9	8 Keile	ø 51.8-H7 (ø 58)	32-80
8x55.8x65x10-F9	8 Keile	ø 55.8-H7 (ø 61.8)	17-80
8x61.8x72x12-F9	8 Keile	ø 61.8-H7 (Keile 68)	21-100
10x 71.8x82x12-F9	10 Keile	ø 71.8-H7	36-100
10x 81.8x92x12-F9	10 Keile	ø 81.8-H7	21-100
10x 91.8x102x14-D9	10 Keile	ø 91.8-H7	21-100

10. Keilnabenprofil DIN 5463 / DIN 5472

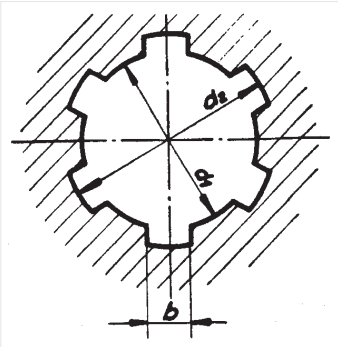
15 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x21x25.15x5-F9 (5.04 0/-0.01mm)	6 Keile	ø 20.8-H7	20-50
6x21x25.15x5-H9	6 Keile	ø 21.0-H7	28-70
6x21x25.25x5.08 (C9= +70/+100)	6 Keile	ø 20.68-H7	30
6x21x25x5	6 Keile	ø 21.0-H7	60
6x21x25x5-F9	6 Keile	ø 21.0-H7	28-70
6x23.0x28x6-F9	6 Keile	ø 23.0-H7	24-70
6x23.0x28x6-F9	6 Keile	ø 22.8-H7	28-70
6x23.0x28x6-F9	6 Keile	ø 23.0-H7	28-70
6x26-H7x32-H11x6-F10	6 Keile	ø 26.0-H7	32-96
6x26x32x6-D9	6 Keile	ø 26.0-H7	32-80
6x26x32x6-F9	6 Keile	ø 26.0-H7	32-80
6x26x32x6-F9	6 Keile	ø 26.0-H7	29-80
6x28x34x7-D9	6 Keile	ø 28.0-H7	24-60
6x28x34x7-F9	6 Keile	ø 28.0-H7	22-55
6x28x34x7-F9	6 Keile	ø 28.0-H7	28-70

11. Keilnabenprofil DIN 5463 / 5472 (Schleifzugabe im Innendurchmesser)

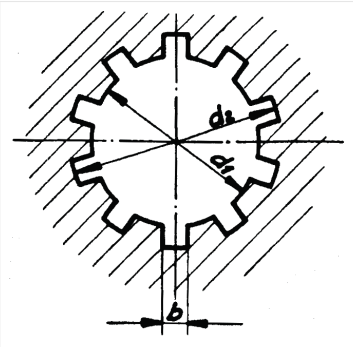
6 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x20.8x25x5-F9	6 Keile	ø 20.8-H7	20-50
6x22.8x28x6-F9	6 Keile	ø 22.8-H7	24-60
6x22.8x28x6-F9	6 Keile	ø 22.8-H7	20-54
6x25.8x32x6-F9	6 Keile	ø 25.8-H7	24-65
6x25.8x32x6-F9	6 Keile	ø 25.8-H7	25-60
6x27.8x34x7-F9	6 Keile	ø 27.8-H7	30-80

12. Keilnabenprofil DIN 5464

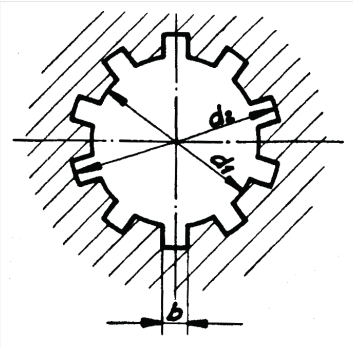
6 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
10x 23x29.2x4-F9	10 Keile	ø 23.0-H7	15-35
10x 26x32.25x4-F9	10 Keile	ø 26.0-H7	32-80 (240)
10x 36x45x5	10 Keile	ø 36.0-H7	24-60
10x 42x52.2x6	10 Keile ø 47.5	ø 42.0-H7	36-100
10x 42x52.2x6	10 Keile	ø 42.0-H7/ø47.1 10 Keile	36-100
16x 56x65x5-D9	16 Keile	ø 55.8-H7	24-60

13. Keilnabenprofil DIN 5464 (Schleifzugabe im Innendurchmesser)

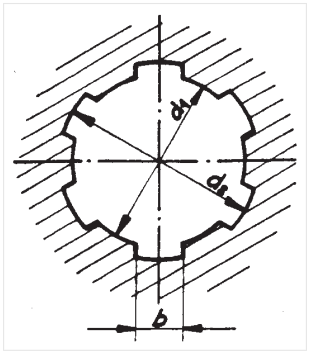
7 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
10x 17.8x23.3-H8x3.02+0.01	10 Keile	ø 17.8-H7	38-95
10x 17.8x23.3-H8x3.02+0.01	10 Keile	ø 17.8-H7/ø20.4 (1 Zug)	38-95
10x 27.8x35.4-H8x4.02+0.01	10 Keile	ø 27.8-H7	36-100
10x 27.8x35.4-H8x4.02+0.01	10 Keile	ø 27.8-H7/ø31.5 (1 Zug)	36-100
10x 31.8x40.4x5+0.02/+0.03	10 Keile	ø 31.8-H7	24-60
16x 71.8x82x7	16 Keile	ø 71.8-H7	24-80
20x 81.8x92x6	20 Keile	ø 81.8-H7	26-90

14. Keilnabenprofil DIN 5471

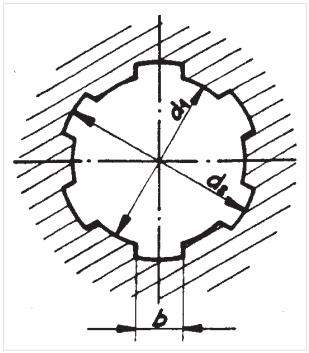
4 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
4x20.82x25.2x8.04	4 Keile	ø 20.82-H7	30-50
4x21x23x8	4 Keile	ø 21.0-H7	24-…
4x21x25x8	4 Keile	ø 21.0-H7 (Keil 23)	24-…
4x32x36.17x10.05	4 Keile	ø 32.0-H7	32-…

15. Keilnabenprofil DIN 5472

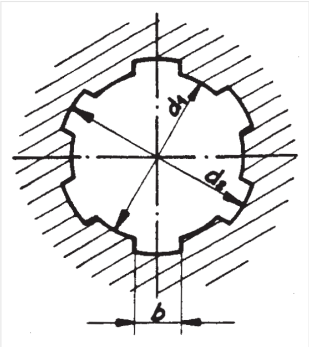
2 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x32x38.2x8-F9	6 Keile	ø 32.0-H7	24-60
6x46x53.5x12.04+0.01	6 Keile	ø 46.0-H7	36-91

16. Keilnabenprofil B.S.A. 20

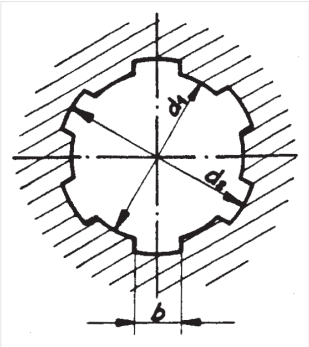
10 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x10.8x13.3x3.18 (1/2")	6 Keile	ø 10.8-H7	15-41
6x10.8x13.3x3.21 (1/2")	6 Keile	ø 10.8-H7	15-41
6x17.15x19.44x4.75 (3/4")	6 Keile	ø 17.15-H7	13-47
6x17.15x19.81x4.75 (3/4")	6 Keile	ø 17.15-H7	13-47
6x21.59x26.42x6.32 (1")	6 Keile	ø 21.59-H7	20-50
6x22.86x26.36x6.35 (1")	6 Keile	ø 22.86-H7	16-40
6x29.7x34.93x8.72 (1 3/8")	6 Keile	ø 29.7-H7	28-80
6x29.7x34.94x8.74 (1 3/8")	6 Keile	ø 29.76-H7	26
6x29.7x34.94x8.74 (1 3/8")	6 Keile	ø 29.7-H7	28-80
6x29.7x34.94x8.74 (1 3/8")	6 Keile	ø 29.7-H7	26-80

17. Keilnabenprofil B.S.A. 20 (Schleifzugabe im Innendurchmesser)

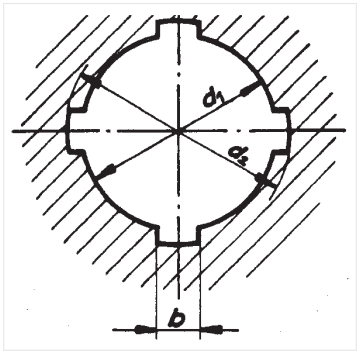
3 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6x10.5x13.3x3.18 (1/2")	6 Keile	ø 10.5-H7	15-29
6x21.24x26.42x6.35+0.02 (1")	6 Keile	ø 21.24-H7	28-80
6x29.3x35.14x8.75 (1 3/8")	6 Keile	ø 29.3-H7	16-74

18. Spezial-Keilnabenprofil

79 Ausführungen



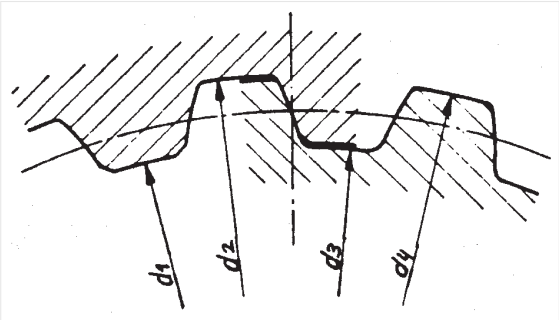
Abmessung	Info / Zähnezahl	Modul	Ausgangsbohrung	Räumlänge mm
2x15.9x18x5.30	2 Keile		ø 15.9-H7	18-50
2x25x36x5	2 Keile		ø 25.0-H7	21-…
2x43.5+0.05xR23.75x12-0.02	2 Keile		ø 43.5-H7	18-43
4x 6x 8.0x3-H9	4 Keile		ø 6.0-H7	10.5
4x 6x 8.6x2.1	4 Keile		ø 6.0-H7	8-16
4x 8x10x3-D9	4 Keile		ø 8.0-H7	13-25
4x 8x10x3-F9	4 Keile		ø 8.0-H7	14-30
4x 8x10x3-F9	4 Keile		ø 8.0-H7	12-20
4x10x12x3	4 Keile		ø 10.0-H7	9-23
4x11.3x14.5+0.1x5.02+0.03	4 Keile		ø 11.3-H7	12-24
4x12x14x3	4 Keile		ø 12.0-H7	9-23
4x14.0x16x3	4 Keile		ø 14.0-H7	9-31
4x14.8x18.4x4	4 Keile		ø 15.0-H7	22-50
4x15x18x4-F7	4 Keile		ø 15.0-H7	15-36
4x17.0x21.4x5-H9	4 Keile		ø 17.0-H7	20-45
4x17.7x21.75x3.92	4 Keile		ø 17.7-H7	15-30
4x17.7x21.75x3.92	4 Keile		ø 17.7-H7	15-31
4x18x21.65x4-H9	4 Keile		ø 18.0-H7	14-30
4x18x21.65x4.03	4 Keile		ø 18.0-H7	14-30
4x18x22x6-D9	4 Keile		ø 18.0-H7	20-50
4x20.0x22.5-H11x6-H7	4 Keile		ø 20.0-H7	25-65
4x20.82x25-A9x8-H9	4 Keile (ø 23.5)		ø 20.82-H7	32-90
4x20.82x25-A9x8-H9	4 Keile		ø 20.82-H7 Keil ø23.7	32-90
4x23.83x28.4x8.04	4 Keile / bis ø 26.3		ø 23.83-H7	36-90
4x23.83x28.4x8.04	4 Keile		ø 23.83-H7/ø26.05	36-90
4x24.7x29.75x5.9	4 Keile		ø 24.7-H7	16-30
4x25x29.25x6-F8	4 Keile		ø 25.0-H7	16-40
4x27.82-H7x32A9x10-H9	4 Keile / bis ø 30.22		ø 27.82-H7	40-120
4x27.82-H7x32A9x10-H9	4 Keile		ø 27.82-H7/ø29.72-H7	40-120
4x30x35.25x8	4 Keile		ø 30.0-H7	16-40
4x32x36x10	4 Keile		ø 32.0-H7	24-…
4x32x36x10-.. (verm. -0.002)	4 Keile		ø 32.0-H7	24-…

Abmessung	Info / Zähnezahl	Modul	Ausgangsbohrung	Räumlänge mm
4x36x42.17x12.07	4 Keile		ø 35.73-H7	65
4x37.7x44.9x9.92	4 Keile		ø 37.7x44.9x9.92	16-40
4x37.7x44.9x9.93	4 Keile		ø 37.7-H7	16-40
4x37.8x45x4.65	4 Keile		ø 37.8-H7+Keil 4.6	50
4x38x44.7x10.04	4 Keile		ø 38.0-H7	16-40
4x42.7x49.5x5.9-0.02	4 Keile		ø 42.7-H7+Keil 4.85	50
6x 9.8x12.2+0.11x2.01+0.02	6 Keile		ø 9.8-H7	10-20
6x17.0x20.15-H11x4-C11	6 Keile		ø 17.0-H7	12-30
6x20.8x26x6	6 Keile		ø 20.8-H7	15-45
6x22.0x26-H11x5.03	6 Keile		ø 22.0-H7	14-28
6x23.0x29+0.1x6+0.2 30°	6 Keile 6+0.2 30° bleiben stehen		ø 23.0-H7	85 = 40
6x23.8x28.2x6.04	6 Keile		ø 23.8-H7	21-50
6x24x28.2x6	6 Keile		ø 24.0-H7	20-50
6x24x31.2x6	6 Keile		ø 24.0-H7	11-49
6x25.4x30.2x7.3	6 Keile		ø 25.4-H7	13-42
6x35.7x42.5+0.1x8.24+0.04 / 12x	6 Keile + 6 Radius (Total 12 Nuten)		ø 35.7-H7	16-32
6x40.2x48x7.7	6 Keile		ø 40.2-H7	20-40
6x41x48x10	6 Keile ø 44.6		ø 41.0-H7	21-99
6x41x48x10	6 Keile		ø 41.0-H7/ø44.5 6 Keile	21-99
6x63.5x71x10.7	6 Keile		ø 63.5-H7	20-40
7x13.3-H7x17+0.05x3.6+0.03	7 Keile		ø 13.3-H7	16-32
7x16.8-H7x19.8+0.3	7 Keile		ø 16.8-H7	28
7x22.32x25.60	7 Keile		ø 22.33-H7	8
7x26.3x30.4x6.1/14.4	7 Keile 6x6.1/1x14.4		ø 26.3-H7	252
8x19x21.45±0.05x3.95±0.05	8 Keile		ø 19.0-H7	25-50
8x27.8x32.16x6-F9	8 Keile (Norm hat 6 Keile)		ø 27.8-H7	28-80
8x27.8x34.16x6-F9	8 Keile (Norm hat 6 Keile)		ø 27.8-H7	28-80
8x34x40x6.06 (D9= +30/+60)	8 Keile		ø 34.0-H7	40-43 .
8x44x50-H11x8-F9	8 Keile		ø 44.0-H7	18-45
8x44x50x8-F10	8 Keile		ø 44.0-H7	45-70
8x44x50x8-F9	8 Keile		ø 44.0-H7	45-70
8x56.6x62.5x10.5-H9	8 Keile		ø 56.3-H7	250
10x 26x32.25x4.8-H7	10 Keile		ø 26.0-H7	32-80 (240)
10x 27.3x31.75x4.95	10 Keile		ø 27.3-H7	29-…
10x 30.65x38.05x5.9-H9	10 Keile		ø 30.65-H7	50-(15)-50
10x 32.7x38.1x6	10 Keile		ø 32.65-H7 (32.63-62)	20-50
10x 32x38.01x5.9	10 Keile		ø 32.0-H7	24-60
10x 34.6x38.1x5.88	10 Keile		ø 34.6-H7	51
10x 38.15x44x6.9-H9	10 Keile		ø 38.15-H7	32-100
10x 45.35x52.44x7.85	10 Keile		ø 45.35-H7	24-60
12x 17.7x20.4x2.86+0.01	12 Keile		ø 17.7-H7	3 6
12x 17.7x20.6x2.8	12 Keile		ø 17.7-H7	11-25
12x 32.7x38+0.2x5.76+0.02	12 Keile		ø 32.7-H7	20-50
12x 38.53x40.895x1.69+0.05	12 Keile		ø 38.53-H7	16-40
15x 51.2x62.2	15 Keile	3.62857	ø 51.2-H7	16-32

Abmessung	Info / Zähnezahl	Modul	Ausgangsbohrung	Räumlänge mm
P5061/067	z=12		ø 14.8-H7	16.5-……
ø10.5/11.7 4x1.95/1x2.45	5 Keile unregelmässig verteilt		ø 10.5-H7	. 19

19. Zahnnabenprofil DIN 5482 (Eingriffswinkel 30°)

49 Ausführungen

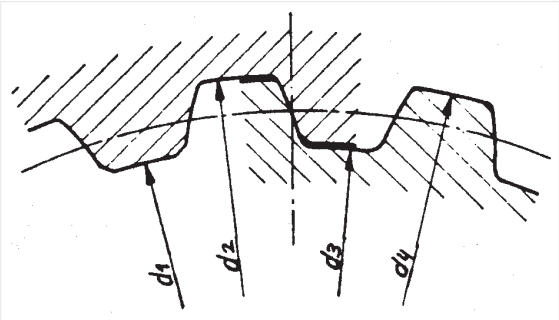


Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
15x12	z=8		30°	ø 12-H7	16-35
17x14	z=9		30°	ø 14-H7	10-36
18x15	z=10		30°	ø 15-H7	10-35
20x17	z=12		30°	ø 17-H7	10-35
22x19	z=13		30°	ø 19-H7	16-40
22x19	z=13			ø 19-H7	22
25-H12x22-H11	z=14	1.6	30°	ø 22-H7	24-60
25x22	z=14		30°	ø 22-H7	18-45
28x25	z=15	1.75	30°	ø 25-H7	20-50
28x25	z=15	1.75	30°	ø 25-H7	32-80
30x27	z=16		30°	ø 27-H7	20-50
30x27	z=16	1.75	30°	ø 27-H7	34-102
30.8x35	z=18	1.75		ø 30.8-H7	31-59
32x28	z=17		30°	ø 28-H7	20-50
32x28	z=17	1.75	30°	ø 28-H7	24-60
35x31	z=18		30°	ø 31-H7	25-65
35x31	z=18		30°	ø 31-H7	26-65
35x31	z=18			ø 31-H7	24-60
35x31	z=18	1.75	30°	ø 31-H7	30-80
38x34	z=19		30°	ø 34-H7	24-60
38x34	z=19	1.9	30°	ø 34-H7	28-70
38x34	z=19	1.9	30°	ø 34-H7	24-60
40x36	z=20		30°	ø 36-H7	28-70
40x36	z=20	1.9		ø 36-H7	32-85
40x36	z=20	1.9	30°	ø 36-H7	30-80
42x38	z=21		30°	ø 38-H7	26-65
45x41	z=22		30°	ø 41-H7	30-90
48x44	z=23		30°	ø 43.8-H7	17-74
48x44	z=23		30°	ø 44-H7	17-74
48x44	z=23	2	30°	ø 44-H7	30-80
50x45	z=24		30°	ø 45-H7	30-90
50x45 Spezial	z=24	2	30°	ø 44.9-H7	21-55
52x47	z=25		30°	ø 47-H7	30-90

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
52x47	z=25	2		ø 47-H7	28-80
55x50	z=26		30°	ø 50-H7	30-90
58x53	z=27		30°	ø 53-H7	32-95
60x55	z=28		30°	ø 55-H7	32-95
60x55	z=28		30°	ø 55-H7	60
60x55	z=28	2	30°	ø 55-H7	25-62
61x57	z=29		30°	ø 57-H7	32-95
62x57	z=29		30°	ø 57-H7	32-95
65x60	z=30		30°	ø 60-H7	32-95
68x62	z=31		30°	ø 62-H7	20-80
70x64	z=32		30°	ø 64-H7	36-100
72x66	z=33			ø 66-H7	50-100
72x66	z=33			ø 66-H7 (ø68.7)	50-100
72x66	z=33 -ø68.8			ø 66-H7	50-100
75x69	z=34	2.1		ø 69-H7	29-80
80x74	z=36	2.1		ø 74-H7	50-100

20. Zahnnabenprofil Involute-Splines DP (Eingriffswinkel 30°)

36 Ausführungen

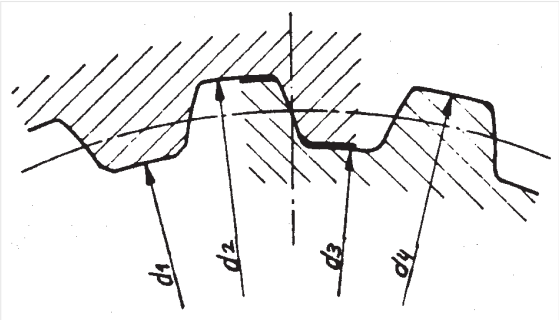


Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
8/16	z=18	3.175	30°	ø 54.0-H7	32-90
8/16	z=16	3.175	30°	ø 47.7-H7	24-70
10/20	z=16	2.54	30°	ø 38.5-H7	30-50
12/24	z=12	2.1166	30°	ø 23.0-H7	16-40
12/24	z=14	2.1166	30°	ø 27.6-H7	24-60
12/24	z=17	2.1166	30°	ø 34.0-H7	20-50
12/24	z=14	2.1166	30°	ø 27.6-H7	28-70
16/32	z=9	1.5875	30°	ø 13.0-H7	15-30
16/32	z=13	1.5875	30°	ø 19.2-H7	20-50
16/32	z=15	1.5875	30°	ø 22.3-H7	20-50
16/32	z=21	1.5875	30°	ø 31.75-H7	30-80
16/32	z=11	1.5875	30°	ø 16.0-H7	14-35
16/32	z=23	1.5875	30°	ø 35.0-H7	30-80
16/32	z=23	1.5875	30°	ø 35.0-H7	32-80
16/32	z=24	1.5875	30°	ø 36.78-H7	20-60
16/32	z=27	1.5875	30°	ø 41.27-H7	24-60
16/32	z=28	1.5875	30°	ø 43.0-H7	40-80
16/32	z=29 / 48x44.63	1.5875	30°	ø 44.3-H7	56
20/30	z=24	1.27	30°	ø 28.7-H7	28-70
20/30	z=16	1.27	30°	ø 18.7-H7	30-50
20/30	z=16	1.27	30°	ø 18.48-H7	15-35
20/40	z=22 (1x Doppellücke)	1.27	30°	ø 26.7-H7	25-50
20/40	z=14	1.27	30°	ø 16.25-H7	12-32
20/40	z=14	1.27	30°	ø 16.55-H7	12-32
20/40	z=12	1.27	30°	ø 14.0-H7	12-32
20/40	z=12	1.27	30°	ø 14.25-H7	12-32
20/40	z=20	1.27	30°	ø 23.85-H7	12-43
20/40	z=20	1.27	30°	ø 24.15-H7	12-43
20/40	z=34	1.27	37.5°	ø 42.19-H7	28-75
24/48	z=11	1.0583	30°	ø 10.58-H7	18-45
24/48	z=12	1.0583	30°		11-25
24/48	z=41	1.0583	30°	ø 42.6-H7	60-80
32/64	z=27 (1x Doppellücke)	0.79375	30°	ø 20.7-H7	25-50

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
32/64	z=16	0.79375	30°	ø 12.0-H7	30-35
32/64	z=15	0.79375	30°	ø 11.1-H7	32
32/64	z=15	0.79375	30°	ø 11.4-H7	14-35

21. Zahnnabenprofil Involute-Splines ISO 4156 (Eingriffswinkel 30°)

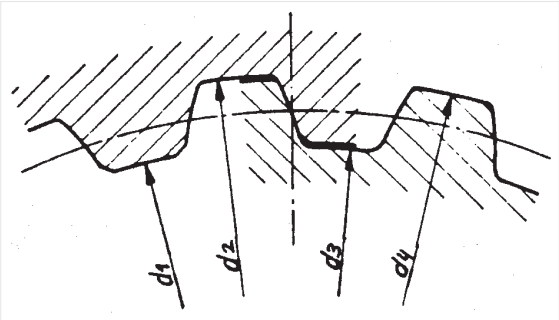
4 Ausführungen



Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
Int. 11z x 0.75	z=11	0.75	30°	ø 7.7-H7	20-40
Int. 15z x 0.75	z=15	0.75	30°	ø 10.62-H7	10-20
Int. 21z x 0.75	z=21	0.75	30°	ø 15.08-H7	10-20
Int. 65z x 0.75	z=65	0.75	30°	ø 47.8-H7	51

22. Zahnnabenprofil DIN 5480 (Eingriffswinkel 30°)

140 Ausführungen



Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
10x0.6x15x9H	z=15	0.6	30°	ø 8.8-H7	13-20
12x0.8x13x9H	z=13	0.8	30°	ø 10.4-H7	10-25
13x0.8x15x7H	z=15 (Doppelzahn)	0.8	30°	ø 11.4-H7	10-25
14x0.6x22	z=22	0.6	30°	ø 12.8-H7	14-30
14x0.6x22x9H	z=22	0.6	30°	ø 12.8-H7	14-30
14x0.8x16x9H	z=16	0.8	30°	ø 12.4-H7	12-30
15x0.8x17	z=17	0.8	30°	ø 13.4-H7	12-30
16x0.8x18	z=18	0.8	30°	ø 14.4-H7	16-40
16x0.8x18x9H	z=18	0.8	30°	ø 14.4-H7	16-42
17x0.8x20	z=20	0.8	30°	ø 15.4-H7	14-42
18x0.8x21x9H	z=21	0.8	30°	ø 16.4-H7	18-45
18x0.8x21x9H	z=21	0.8	30°	ø 16.4-H7	18.5
18x1.0x16	z=16	1	30°	ø 16.0-H7	18-45
18x1.25x13	z=13	1.25	30°	ø 15.5-H7	18-45
18x1.25x13x9H	z=13	1.25	30°	ø 15.5-H7	18-45
20x0.8x23x9H	z=23	0.8	30°	ø 18.4-H7	20-50
20x0.8x24x9H	z=24	0.8	30°	ø 18.4-H7	14-70
20x1.0x18x9H	z=18	1	30°	ø 18-H7	16-40
20x1.0x18x9H	z=18	1	30°	ø 18-H7	20-50
20x1.0x18x9H	z=18	1	30°	ø 18-H7	14-35
20x1.25x14x9H	z=14	1.25	30°	ø 17.5-H7	20-50
20x2x8	z=8	2	30°	ø 16-H7	20-50
20x2x8x9H	z=8	2	30°	ø 16-H7	20-50
21x0.8x25x8H	z=25	0.8	30°	ø 19.4-H7	22-44
22x1.0x20	z=20	1	30°	ø 20-H7	18-45
22x1.25x16	z=16	1.25	30°	ø 19.5-H7	20-50
22x1.25x16x9H	z=16	1.25	30°	ø 19.5-H7	20-50
22x1.25x16x9H	z=16	1.25	30°	ø 19.3-H7	20-50
22x2x9	z=9	2	30°	ø 18-H7	20-50
22x2x9x9H	z=9	2	30°	ø 17.8-H7	20-50
25x0.8x30x9H	z=30	0.8	30°	ø 23.4-H7	20-50
25x1.0x24x9H	z=24	1	30°	ø 23-H7	24-60
25x1.25x18x9H	z=18	1.25	30°	ø 22.5-H7	32-80

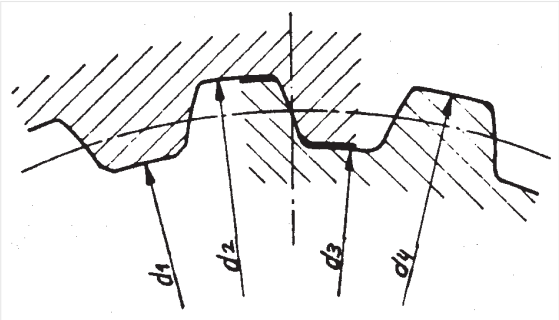
Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
25x1.25x18x9H	z=18	1.25	30°	ø 22.5-H7	20-55
25x1.25x18x9H	z=18	1.25	30°	ø 22.3-H7	20-55
25x1.25x18x9H	z=18	1.25	30°	ø 22.5-H7	18-45
25x2x11	z=11		30°	ø 21.0-H7	24-60
25x2x11x9H	z=11		30°	ø 20.8-H7	24-60
25x2x11x9H	z=11		30°	ø 21.0-H7	24-60
28x1.0x26x9H	z=26		30°	ø 26.0-H7	24-60
28x1.25x21	z=21		30°	ø 25.5-H7	24-60
28x1.25x21x9H	z=21		30°	ø 25.3-H7	24-60
28x1.25x21x9H	z=21 (Doppelzahn)		30°	ø 25.5-H7	24-60
28x1.25x21x9H	z=21		30°	ø 25.5-H7	24-60
28x1.5x17x9H	z=17		30°	ø 25.0-H7	25-60
28x2.0x12	z=12		30°	ø 24.0-H7	24-60
28x2.0x12x9H	z=12 (3x Doppellücke)	2	30°	ø 24.0-H7	15-(8.5)-12-(8.5)-15
28x2.0x12x9H	z=12 (3x Doppellücke)		30°	ø 24.0-H7	15-(8.5)-12-(8.5)-15
28x2.0x12x9H	z=12		30°	ø 23.8-H7	24-60
28x2.5x10x9H	z=10		30°	ø 22.8-H7	(23.5)-11
30x0.8x36x9H	z=36	0.8	30°	ø 28.4-H7	20-50
30x1.0x28	z=28	1	30°	ø 28-H7	24-60
30x1.25x22x9H	z=22	1.25	30°	ø 27.5-H7	24-60
30x1.25x22x9H	z=22	1.25	30°	ø 27.3-H7	24-60
30x1.50x18x9H	z=18 (Doppelzahn)	1.5	30°	ø 27-H7	20-40
30x2x13x9H	z=13	2	30°	ø 26-H7	24-60
30x2x13x9H	z=13	2	30°	ø 25.8-H7	24-60
30x2x14x9H	z=14	2	30°	ø 26-H7	24-60
32x1.25x24x9H	z=24	1.25	30°	ø 29.5-H7	28-70
32x1.25x24x9H	z=24	1.25	30°	ø 29.5-H7	24-60
32x2x14x7H	z=14	2	30°	ø 28-H7	32-100
32x2x14x7H	z=14	2	30°	ø 27.7-H7	24-63
32x2x14x9H	z=14	2	30°	ø 28-H7	24-60
35x1.25x26x9H	z=26		30°	ø 32.5-H7	28-70
35x1.50x22	z=22		30°	ø 32.5-H7	30
35x2x16	z=16		30°	ø 31.0-H7	24-60
35x2x16x7H	z=16		30°	ø 30.7-H7	16-40
37x1.25x28	z=28		30°	ø 34.5-H7	28-70
37x2x17	z=17		30°	ø 33.0-H7	28-70
37x2x17x7H	z=17		30°	ø 32.7-H7	20-50
37x2x17x9H	z=17		30°	ø 32.8-H7	28-70
38x1.25x29	z=29		30°	ø 35.5-H7	28-70
38x1.5x24	z=24	1.5	30°	ø 35.0-H7	14-42
38x2x18	z=18		30°	ø 34.0-H7	24-60
38x2x18x9H	z=18	2	30°	ø 34.0-H7	24-60
38x2x18x9H	z=18	2	30°	ø 34.0-H7	32-80
40x1.25x30	z=30	1.25	30°	ø 37.5-H7	30-80
40x2x18	z=18	2	30°	ø 36-H7	26-65

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
40x2x18x 7H	z=18	2	30°	ø 35.7-H7	12-25
40x2x18x 7H	z=18	2	30°	ø 36-H7	32-80
40x2x18x10H	z=18	2	30°	ø 35.8-H7	18
40x3x12	z=12	3	30°	ø 34-H7	28-70
42x1.25x32x9H	z=32	1.25	30°	ø 39.5-H7	30-80
42x2x20x 9H	z=20	2	30°	ø 38-H7	28-70
42x2x20x10H	z=20	2	30°	ø 37.8-H7	12-25
45x1.25x34x9H	z=34	1.25	30°	ø 42.5-H7	35-80
45x2x21x 7H	z=21	2		ø 41-H7	20-50
45x2x21x 9H	z=21	2	30°	ø 41-H7	28-70
45x2x21x 9H	z=21	2	30°	ø 41-H7	20-50
45x2x21x10H	z=21	2	30°	ø 40.8-H7	16
47x1.25x36x	z=36	1.25	30°	ø 44.5-H7	29-80
47x1.25x36x9H	z=36 (Doppelzahn)	1.25	30°	ø 44.5-H7	20-40
47x2x22	z=22	2	30°	ø 42.8-H7	30-80
47x2x22x9H	z=22	2	30°	ø 43-H7	30-80
48x2x22x9H	z=22	2	30°	ø 44-H7	32-80
50x1.25x38x9H	z=38	1.25	30°	ø 47.5-H7	30-85
50x2x24	z=24	2	30°	ø 46-H7	32-80
50x2x24	z=24	2	30°	ø 46-H7	40-80
50x2x24x 7H	z=24	2	30°	ø 46-H7	32-80 50
50x2x24x 9H	z=24	2	30°	ø 46-H7	32-80
50x2x24x10H	z=24	2	30°	ø 45.8-H7	20-40
50x3x15x9H	z=15	3	30°	ø 44-H7	32-80
52x2.0x24x9H	z=24	2	30°	ø 47.8-H7	12-25
52x2.5x19x8H	z=19	2.5	30°	ø 46.8-H7	18-36
55x2x26	z=26	2	30°	ø 50.8-H7	16-40
55x2x26x9H	z=26	2	30°	ø 50.8-H7	14-24
55x2x26x9H	z=26			ø 51.0-H7	28-70
55x2x26x9H	z=26	2	30°	ø 51.0-H7	30-90
55x3x17x7H	z=17	3	30°	ø 48.7-H7	24-70
55x3x17x9H	z=17	3	30°	ø 49-H7	32-80
55x3x17x…	z=17	3	30°	ø 49-H7	25-55
60x2x28x 7H	z=28	2	30°	ø 56-H7	36-106 (136)
60x2x28x 9H	z=28	2	30°	ø 56-H7	30-90
60x2x28x 9H	z=28	2	30°	ø 56-H7	20-80
60x2x28x 9H	z=28	2	30°	ø 55.8-H7	30-90
60x2x28x10H	z=28	2	30°	ø 55.8-H7	22.5
60x3x18x7H	z=18	3	30°	ø 53.7-H7	20-50
60x3x18x9H	z=18	3	30°	ø 54-H7	32-80
60x3x18x….	z=18	3	30°	ø 54-H7	25-54
65x2.0x31	z=31		30°	ø 61-H7	30-90
65x2.5x24x9H	z=24	2.5	30°	ø 60.0-H7	30-90
65x2.5x24x9H	z=24	2.5	30°	ø 60.0-H7	40-100
65x3x20x9H	z=20	3	30°	ø 59.0-H7	32-90

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
67x1.25x52x10F	z=52	1.25	30°	ø 64.5-H7	10-20
70x2x34x7G	z=34			ø 66.0-H7	60-90
70x2x34x9H	z=34	2	30°	ø 66.0-H7	30-90
70x2x34x9H	z=34		30°	ø 66.0-H7	30-90
70x3x22x7H	z=22 / sp. Zugkopf	3	30°	ø 63.63-H7 (Ist ø63.6)	16-35
70x3x22x9H	z=22	3	30°	ø 64.0-H7	32-90
75x3x24x9H	z=24	3	30°	ø 69.0-H7	32-90
75x3x24x9H	z=24		30°	ø 69.0-H7	32-90
78x3x24x7H	z=24		30°	ø 71.7-H7	24-70
80x2x38x9H	z=38	2	30°	ø 76.0-H7	36-100
80x3x25x7H	z=25		30°	ø 73.65-H7	24-60
80x3x25x9H	z=25	3	30°	ø 74.0-H7	32-90
91x3.5x24x9H	z=24	3.5	30°	ø 84.0-H7	35-100
100.6x3x32x7H	z=32	3	30°	ø 94.3-H7	18-40
130x3x42x9H	z=42	3	30°	ø 124-H7	100-(186)-100
130x3x42x9H	z=42	3	30°	ø 124-H7/ø126.35 (1 Zug)	100-(186)-100
130x3x42x9H	z=42	3	30°	ø 124-H7/ø129.45 (2 Zug)	100-(186)-100

23. Kupplungsverzahnung NF E 22-141 (Französisch, Eingriffswinkel 20°)

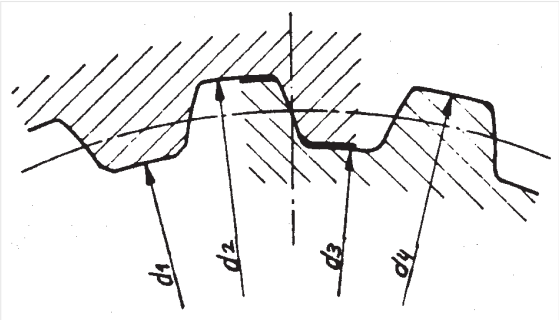
4 Ausführungen



Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
12x22 (Durchmesser x Zähnezahl)	z=22	0.5	20°	ø 11.0-H7	8-20
20x14 (Durchmesser x Zähnezahl)	z=14	1.25	20°	ø 17.5-H7	23-….
30x22 (Durchmesser x Zähnezahl)	z=22	1.25	20°	ø 27.5-H7	23-….
35x19 (Durchmesser x Zähnezahl)	z=19	1.667	20°	ø 31.7-H7	14.5-…

24. Kupplungsverzahnung NF E 22-141 (Schleifzugabe im Innendurchmesser)

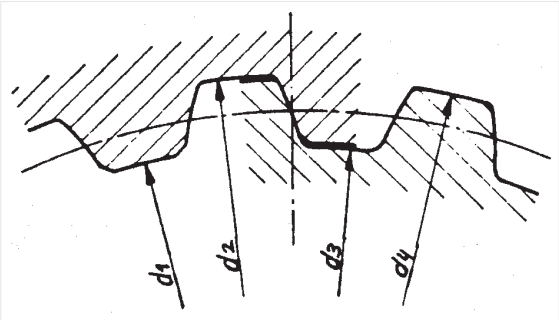
3 Ausführungen



Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
20x14 (Durchmesser x Zähnezahl)	z=14	1.25	20°	ø 17.3-H7	23-…
20x14 (Durchmesser x Zähnezahl)	z=14	1.25	20°	ø 17.3-H7	23.6-…
30x22 (Durchmesser x Zähnezahl)	z=22	1.25	20°	ø 27.3-H7	23-…

25. Laufverzahnung (Eingriffswinkel 20°)

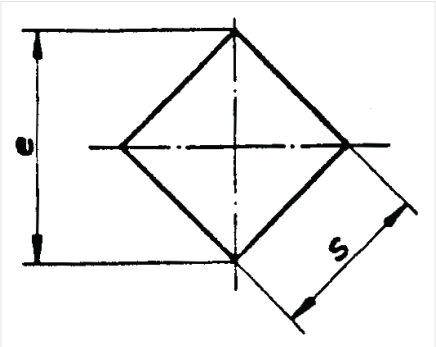
2 Ausführungen



Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
m=0.25, z=44, 20°	z=44	0.25	20°	ø 10.33-H7	9-15
m=0.2758, z=36, 20°	z=36	0.2758	20°	ø 9.52-H7	9-15

26. Vierkantprofil

322 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
4.00-H7	5.6 A	ø 4-H7	4-14
4.02	5.38 B	ø 4-H7	4-14
4.02	5.3 B	ø 4-H7	4-14
4.02	5.65 A	ø 4.4-H7	11-20
4.02	5.65 A	ø 4-H7	4 - 14
4.02	5.65 A	ø 4-H7	11-20
4.02	5.74 A	ø 4-H7	4-14
4.04 +0.01	5.7 A	ø 4-H7	11-25
4.09-0.02	5.7 A	ø 4-H7	11-15
4.15-H9	5.5 B	ø 4.1-H7	6-14
4.53-H9	6.0 B	ø 4.4-H7	5-8
4.80-H9	6.7 A	ø 4.8-H7	12-30
5.00-H11	7.13 A	ø 5-H7	9
5.00-H7	7.05 A	ø 5-H7	12-30
5.00-H7	7.07 A	ø 5-H7	12-30
5.00-H8	7.05 A	ø 5.0 (4-KT)	6-16
5.00-H9	6.60 B	ø 5-H7	8-16
5.00-H9	6.75 B	ø 5.1-H7	8-16
5.02+0.01	7.1 A	ø 5-H7	8-16
5.03	7.1 A	ø 5-H7	8-16
5.05	7.1 A	ø 5-H7	11-22
5.05+0.02	7.1 A	ø 5-H7	8-16
5.05-H9	7.1 A	ø 5-H7	
6.00-H11	8.5 A	ø 6-H7	10
6.00-H11	8.6 A	ø 6-H7	10
6.00-H7	8.2 B	ø 6-H7	12-30
6.00-H7	8.5 A	ø 6-H7	12-30
6.00-H9	8.2 B	ø 6-H7 (5.92)	15-20
6.00-H9	8.5 A	ø 6-H7	5-15
6.00-H9	8.5 A	ø 6-H7	10-30
6.00-H9	8.5 A	ø 6-H7	12-30
6.00-H9	8.2 A	ø 6-H7	15-20

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6.03 +0.01	8.5 A	ø 6-H7	10-30
6.10 +0.01	8.6 A	ø 6-H7	10-30
6.10-H7	8.7 A	ø 6-H7	12-30
6.17	8.64 A	ø 6-H7	14-22
6.20-H11	8.8 A	ø 5.6 (4-KT)	6-12
6.28-H9	8.0 B	ø 6.16-H7	13-22 (17)
6.35-H9 (1/4")	8.5 B	ø 6.35-H7	7-17
6.35-H9 (1/4")	8.5 B	ø 6.35-H7	14
6.35-H9 (1/4")	8.98 A	ø 6.35-H7	12-25
6.37 +0.01 (1/4")	8.5 B		
7.00-H11	9.9 A	ø 7-H7	11
7.00-H11 (7.07)	9.9 A	ø 7-H7	11
7.00-H7	9.9 A	ø 7-H7	12-30
7.00-H9	9.25 B	ø 7-H7	14
7.00-H9	9.4 B	ø 6.98-H7	8-20
7.00-H9	9.4 B	ø 6.97-H7	8-20
7.00-H9	8.1 B	ø 7-H7	10-30
7.00-H9	9.9 A	ø 7 (4-KT)	10-30
7.03	9.9 A	ø 7-H7	7-20
7.03-H9	9.23 B	ø 7-H7	14
7.03-H9	9.9 A	ø 7-H7	12-35
7.10-H9	10.05 A		12-30
7.30-H9	10.3 A	ø 7-H7	12-35
7.35-H9	10.4 A	ø 7.4-H7	12-30
7.80-H9	11.0 A	ø 7.8-H7	16-40
7.94 (5/16")	11.2 A	ø 7.94-H7	9-23
8.00-H11	11.4 A	ø 8-H7	12
8.00-H11	11.0 B	ø 8-H7	12
8.00-H7	11.3 A	ø 8-H7	12-30
8.00-H7	11.3 A	ø 8-H7	16-40
8.00-H7	11.25 A	ø 8-H7	16
8.00-H7	11.3 A	ø 8-H7	8-20
8.00-H9	10.4 B	ø 8-H7	10-25
8.011	10.45 B	ø 8-H7	10-20
8.02	11.3A	ø 8-H7	12-25
8.02 +0.005	10.4 B	ø 8-H7	12-25
8.03	10.15 B	ø 8-H7	8-20
8.03-H9	11.3 A	ø 8-H7	12-30
8.05-H12 (8.05 0/+0.15mm)	11.52 A	ø 8.20-H7	16-40
8.05-H12 (8.05 0/+0.15mm)	11.52 A	ø 8.20-H7	16-50
8.10 (8 +0.1)	11.0 B / R0.5	ø 8-H7	15
8.10 +0.01	11.3 A	ø 8-H7	10-30
8.20	10.8 B / R1	ø 8-H7	21
8.20 +0.02	11.4 A	ø 8-H7	12-24
8.20 +0.02	11.4 B	ø 8-H7	12-24

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
8.20-H9	11.6 A	ø 8-H7	14-35
8.50-H9	10.6 B	ø 8.5-H7	10-25
9.00-H7	12.7 A	ø 9-H7	7-20
9.00-H8	12.7 A	ø 9.4-H7	26-42
9.00-H8	12.7 A	ø 9-H7	14-28
9.00-H8	10.6 B	ø 9-H7	10-28
9.00-H8	12.6 A	ø 9 (4-KT)	10-28
9.00-H9	11.6 B	ø 9-H7	16-40
9.53 +0.02 (3/8")	13.5 A	ø 9.53-H7	10-35
9.53 ±0.02 (3/8")	13.5 A	ø 9.53-H7	10-35
9.55 (3/8")	13.4 A	ø 9.5-H7	10-35
9.67-H9	13.1 B	ø 9.5-H7	12-30
10.00	12.6 B	ø 10-H7	12-26
10.00-H7	14.1 A	ø 10-H7	15-20
10.00-H9	13.2 B	ø 10-H7	10-40
10.00-H9	14.1 A	ø 10-H7	16-40
10.00-H9	13.3 B	ø 10-H7	16-40
10.00-H9	13.3 B	ø 10-H7	10-30 .
10.02	13.2 B	ø 10-H7	18-40
10.03 +0.01	11.9 B	ø 10-H7	25-65
10.03 +0.01	14.1 A	ø 9.95 (4-KT)	25-65
10.03 ±0.01	14.2 A	ø 10 (4-KT)	25-65
10.03 ±0.01	11.9 B	ø 10-H7	25-65
10.03-H9	14.2 A	ø 10-H7	17-50
10.03-H9	14.2 A	ø 10-H7	10-30
10.05	12.64x12.14B	ø 10-H7	17-39
10.05 +0.01	14.2	ø 10-H7	14-28
10.05 +0.02	12.9 B	ø 10-H7	14-35
10.06	12.65x12.18B	ø 10-H7	17-39
10.10-H9	14.3 A	ø 10-H7	14-40
10.80	13.4 B	ø 11-H7	10-32
10.85-H9	13.3 B	ø 10.85-H7	10-32 .
11.00-H9	14.2 B	ø 11-H7	10-26
11.00-H9	14.2 B	ø 11-H7	20-50
11.00-H9	15.4 A	ø 11-H7	20-50
11.00-H9	13.85 B	ø 11-H7	12-25
11.00-H9	11.6 A	ø 11-H7	18-45
11.20	14.9 B	ø 12-H7 (4KT11.3)	16-22
11.93	15.8 B	ø 11.85-H7	10-26
12.00	15.15 B	ø 12-H7	13.5
12.00+0.2	16.17 B	ø 12-H7	27.5-55
12.00-H7	15.8 B	ø 12-H7	15-50
12.00-H7	16.9 A	ø 12-H7	17-60
12.00-H9	16.9 A	ø 12-H7	20-60
12.00-H9	17.0 A	ø 12-H7	20-60

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
12.00-H9	15.9 B	ø 12-H7	10-60
12.00-H9	14.2 B	ø 12-H7	18
12.00-H9	16.9 A	ø 12 (4-KT)	18
12.00-H9 (12x16.9)	14.25 B	ø 12-H7	33-45
12.00-H9 (1x Eckschräge grösser)	15.14 B (1x 14.2)	ø 12-H7	20-60
12.02	14.2 B	ø 12-H7	18
12.05	16.9 A	ø 12 (4-KT)	18
12.05	15.3 B	ø 12-H7	16-45
12.05	15.2 B	ø 12-H7	16-45
12.06	16.9A	ø 12 (4-KT)	18
12.06	15.2x14.2B	ø 12-H7	21-49
12.06	16.9 A	ø 12 (4-KT)	33-……
12.06 +0.01	16.6 B (R=ca. 0.5mm)	ø 12-H7	10-28
12.06 +0.01	16.7 B (R=ca. 0.5mm)	ø 12-H7	10-28
12.12	17.1 A	ø 12-H7	18-50
12.12-H9	16.3 B	ø 12-H7	18-50
12.70 (1/2")	15.7 B (R=ca. 2.7mm)	ø 12.7-H7	9-31
12.73 (1/2")	18.0 A	ø 12.7-H7	18-50
13.00-H9	18.3 A	ø 13.0-H7	20-50
13.00-H9	17.5 B	ø 13-H7	20-50
13.00-H9	18.4 A	ø 13-H7	20-50
13.05	17.5 B	ø 13-H7	11-30
13.06	17.5 B	ø 13-H7	11-30
13.80-H7	19.5 A	ø 13.8-H7	16-40
14.00	18.2 B	ø 14-H7	11
14.00	16.6 B	ø 14-H7	35-…
14.00-E10	19.0 B	ø 14-H7	65 12
14.00-H8	17.5 B	ø 14-H7	10-35
14.00-H9	19.6 A	ø 14-H7	24-60
14.00-H9	19.8 A	ø 14-H7	24-60
14.00-H9	17.48 B	ø 14-H7	14-35
14.00-H9	17.45 B	ø 14-H7	14-35
14.00-H9	18.35 B	ø 14-H7	15-30
14.02 +0.02	18.2 B	ø 14-H7	14-40
14.03	18.2 B	ø 13.9-H7	10
14.05 +0.02	18.7 B	ø 14-H7	20-65
14.05-H9	19.8 A	ø 14-H7	24-60
14.05-H9	18.2x17.2 B	ø 14-H7	21-52
14.05-H9	19.9 A	ø 14-H7	20-60
14.05-H9	19.9 A	ø 14.8-H7	35-85
14.06	18.2x17.2 B	ø 14-H7	21-52
14.09	16.1 B	ø 14-H7	29-60
14.09	19.8 A	ø 13.9-H7 (4-KT)	29-60
14.50-0.02/+0.03	15.8 B	ø 14.2-H7	24-60
14.50-0.02/+0.03	19.0 B (Eckradius ca. 1.75mm)	ø 14.5 (4-KT)	24-60

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
15.00	18.15 B	ø 14.95-H7	14-20
15.00	21.2 A	ø 15 (4-KT) (ø17.6)	20-70
15.00-H9	20.2 B	ø 15-H7	10-40
15.00-H9	21.2 A	ø 15-H7	35-60
15.00-H9	20.2 B	ø 15-H7	20-50
15.00-H9	20.2 B	ø 15-H7	10-30
15.00-H9	17.7 B	ø 15-H7	20-60
15.00-H9	21.2 A	ø 15 (4-KT)	20-60
15.00-H9	21.2 A	ø 15-H7	14-35
15.03 +0.01	17.3 B (21.2 A)	ø 15-H7	24-70
15.03 +0.01	21.2 A	ø 15 (4-KT)	24-70
15.07	20.05 B	ø 14.77-H7	15-40
15.53	21.5 B	ø 15.5-H7	25-50
16.00-H9	22.6 A	ø 16-H7	20-70
16.00-H9	22.6 A	ø 16-H7	16-40
16.00-H9	21.5 B	ø 16-H7	20-70
16.00-H9	21.5 B	ø 16-H7	16-56
16.00-H9	17.4 B	ø 16-H7	55-130
16.00-H9	22.6 A	ø 16 (4-KT)	55-130
16.00-H9	21.5 B		16-40
16.00-H9	22.66	ø 16-H7	16-56
16.20	22.9 A	ø 16 (4-KT)	16-40
16.90-H8		ø 4Kt 14.8-H7	20-60
17.00-F8	22.73 B (R=1.6)	ø 17-H7	21-48
17.00-F8	22.73 B (R=1.6)	ø 17-H7	21-…
17.00-H8	24.1 A	ø 17-H7	24-60
17.00-H8	23.6 B	ø 17-H7	24-65
17.00-H9	24.0 A	ø 17-H7	16-45
17.00-H9	22.5 B	ø 17-H7	20-40
17.00-H9	21.2 B	ø 17-H7	10-35
17.03 +0.01	22.5 B	ø 17-H7	16-40
17.05	22.2x21.2B	ø 17-H7	21-56
17.05	21.15	ø 17-H7	15-35
17.05 +0.02	22.5 B	ø 17-H7	24-70
17.065	22.2x21.2 B	ø 17-H7	21-56
17.25-H9	22.6 B	ø 17-H7	12-44
17.80-H9	21.5 B	ø 17.85-H7	12-52
18.00	22.2 B	ø 18-H7	10-35
18.00	24.2 B	ø 18-H7	20-60
18.00	21.0 B	ø 18-H7	43-104
18.00	25.4 A	ø 18 (4-KT)	43-104
18.00-H9	24.2 B	ø 18-H7	20-60
18.00-H9	25.4 A	ø 18-H7	20-50
18.00-H9	25.4 A	ø 18x18 (Eckmass 20.9)	43-…
18.00-H9	25.5 A	ø 18-H7	20-50

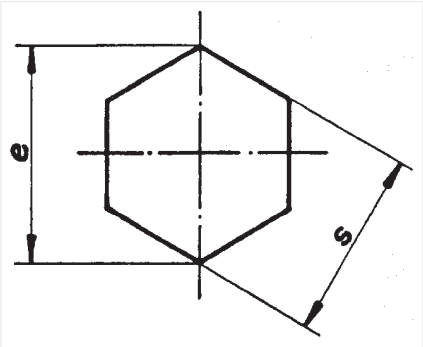
Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
19.00	26.9 A	ø 19 (4-KT)	30-160
19.00	22.0 B	ø 19-H7	30-160
19.00-H9	25.5 B (ca. R=1.7mm)	ø 19-H7	24-65
19.00-H9	26.9 A	ø 19-H7	24-65
19.00-H9	25.5 B (ca. R=1.7mm)	ø 19-H7	25-70
19.05-H9 (3/4")	26.9 A	ø 19.05-H7	20-60
19.07 (3/4")	25.8 B	ø 19-H7	24-50
19.09 (3/4")	25.7 B	ø 19-H7	20-50 (25-(70)-25)
19.35	27.4 A	ø 19 (4-KT)	30-160
20.00	25.2 B	ø 19.9-H7	20-40
20.00	27.0 B	ø 20-H7	20-60
20.00-H9	25.4 B	ø 20-H7	20-60
20.00-H9	27.0 B	ø 20-H7	20-60
20.00-H9x26 Spezial 4kant	Eck-ø26	ø 19x25 Langloch	84 (504)
20.03 +0.04 (20.07)	22.7 B (28.3A)	ø 20-H7	32-105
20.03 +0.04 (20.07)	28.3 A	ø 20.03 (4-KT)	32-105
20.03-H9 (20.08)	28.3 A	ø 20-H7	16-40
20.04	28.3 A	ø 20 (4-KT)	16-40
21.00-H9	28.0 B	ø 21-H7	20-60
21.00-H9	29.6 A	ø 21-H7	20-60
21.00-H9	29.7 A	ø 21-H7	20-60
22.00 +0.02/+0.06	28.1 (2x45°)	ø 22-H7	56
22.00 +0.05/+ 0.1	25.5 B	ø 22-H7	90
22.00 +0.05/+0.08	29.1+0.03/+0.06x28.1+0.02/+0.06 B	ø 22-H7	21-56
22.00-H9	30.1 B	ø 22-H7	20-55
22.00-H9	31.1 A	ø 22-H7	16-45
22.00-H9	29.9 B	ø 22-H7	24-50
22.03	28.7 B	ø 22-H7	20-54
22.03 +0.01	28.7 B	ø 22-H7	20-54
22.03 +0.01	23.7 B	ø 22-H7	36-104
22.03 +0.01	26.8 B	ø 22 (4-KT)	36-104
22.03 +0.01	31.1 A	ø 22 (4-KT)	36-104
22.55	31.8 A	ø 22 (4-KT)	16-40
23.0-H7	31.32 B	ø 23-H7	12-43
23.0-R7	31.32 B	ø 23-H7	12-43
24.00	28.2 B	ø 24-H7	22-104
24.00	33.9 A	ø 24 (4-KT)	22-104
24.00	28.2 B	ø 24-H7	20-60
24.00	32.5 B	ø 24-H7	20-60
24.00-H8	32.5 B	ø 24-H7	20-60
24.00-H8	34 A	ø 24-H7	24-60
24.04	34 A	ø 24 (4-KT)	32-80
24.04	27.6 B	ø 24-H7	32-80
24.04-H7	27.2 B	ø 24-H7	32-80
24.04-H7	34 A	ø 24 (4-KT)	32-80

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
24.10-0.02	34.0 A	ø 24 (4-KT)	30-80
24.10-0.02	34 A	ø 23.8 (4-KT)	28-80
24.10-0.02	27.2 B	ø 24-H7	30-80
25.0-H9	33.7 B	ø 25-H7	24-70
25.0-H9	35.5 A	ø 25-H7	24-60
25.0-H9	28.9 B	ø 25-H7	22-104
25.0-H9	35.3 A	ø 25 (4-KT)	22-104
25.0-H9	35.3 A	ø 25-H7	22-104
25.4-H9 (1")	35.9 A	ø 25.4 (4-KT)	30-160
25.4-H9 (1")	29.2 B	ø 25.4-H7	30-160
25.7	36.3 A	ø 25.4 (4-KT)	30-160
26.00-H9	30.5 B	ø 26-H7	30-160
26.00-H9	36.8 A	ø 26 (4-KT)	30-160
26.00-H9	36.8 A	ø 26-H7	24-55
26.04 +0.02	36.8 A	ø 26.04 (4-KT)	44-136
26.04 +0.02	31.9 B	ø 26.04 (4-KT)	44-136
26.04 +0.02	28.5 B	ø 26-H7	44-136
26.04 ±0.01	28.5 B	ø 26-H7	50-136
26.04 ±0.01	31.95 B	ø 26 (4-KT)	50-136
26.04 ±0.01	36.8 A	ø 26 (4-KT)	50-136
26.1	30.5 B	ø 26-H7	
26.15	37 A	ø 25.7 (4-KT)	44-136
26.15-0.02	28.1 B	ø 26-H7	40-136
26.15-0.02	36.95 A	ø 26.15 (4-KT)	40-136
26.15-0.02	31.8 B	ø 26.15 (4-KT)	40-136
27.0	31.5 B	ø 27-H7	22-104
27.0	38.1 A	ø 27 (4-KT)	22-104
27.0	37 B	ø 27 (4-KT)	22-104
27.0-H9	38.1 A	ø 27-H7	16-40
27.0-H9	30.2 B	ø 27-H7	31-70
27.0-H9	36.2 B	ø 27 (4-KT)	31-70
28.0	32.75 B	ø 28-H7	22-104
28.0	39.5 A	ø 28 (4-KT)	22-104
30.0	34.5 B	ø 30-H7	22-104
30.0	42.2 A	ø 30 (4-KT)	22-104
30.0-H9	42.2 A	ø 30-H7	20-50
30.3	42.8 A	ø 30 (4-KT)	20-60
32.0	36.3 B	ø 32-H7	16-74
32.0	42.8 B (Eckradis ca. 3.0)	ø 32 (4-KT)	16-74
32.0-H9	36.6 B	ø 32-H7	36-125
32.0-H9	45.2 A	ø 32 (4-KT)	36-125
32.0-H9	42.8 B (Eckradis ca. 3.0)	ø 32-H7	20-60
32.0-H9	45.2 A	ø 32-H7	30-50
33.8+0.1x39+0.1		ø 32x36.8	30
34.1x36.1		ø 32 (4KT)	92

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
35.0-H8	39.5 B	ø 35-H7	36-105
35.0-H8	49.4 A	ø 35 (4-KT)	36-105
36.0-H9	41.3 B	ø 36-H7	32-90
36.0-H9	50.9 A	ø 36 (4-KT)	32-90
40.00	44 B	ø 40-H7	32-104
40.00	56.6 A	ø 40 (4-KT)	32-104
40.00-H8	45.3 B	ø 40-H7	30-90
40.00-H8	56.6 A	ø 40 (4-KT)	30-90
46.00-H9	62.5 B mit R3	ø 45.95 (4-KT)	22-102
46.00-N7	62.5 B mit R3	ø 45.95 (4-KT)	22-104
46.00-R7	50.5 B	ø 45.95-H7	22-104
46.00-R7	56.0 B	ø 45.95 (4-KT)	22-104
46.00-R7x62.5	ø56	ø 4KT 46 ø52.2-H7	41-…
50.00-H9	ø56.7	ø 50-H7	52-100
50.00-H9	70.0 A	ø 50x50 (4-Kt)	52-100
50.20	55.0 B	ø 50-H7	
50.20	61.8 B	ø 50 (4-KT)	
50.20	70.5 A	ø 50 (4-KT)	
50.20-H9	70.2 A	ø 50-H9 (4-KT)	52-100
50.60 +0.1	71.0 B	ø 50.2 (4-KT)	30-90

27. Sechskantprofil

132 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
4.0-H9	4.62 A	ø 4-H7	4-10
4.0-H9	4.62 A	ø 4-H7	5-13
5.0-H7	5.78 A	ø 5-H7	14-35
5.0-H9	5.77 A	ø 5-H7	8-20
5.0-H9	5.8 A	ø 5-H7	8-20
5.0-H9	5.8 A	ø 5-H7	15-35
5.0-H9	5.8 A	ø 5-H7	14-35
5.5-H8	6.29	ø 5.5-H7	18
6.00-H7	6.92 A	ø 6-H7	14-35
6.00-H9	6.92 A	ø 6-H7	12-30
6.03+0.01	6.9 A	ø 6-H7	8-17
6.35-H9 (1/4")	7.33 A	ø 6.35-H7	12-25
7.00-H7	8.08 A	ø 7-H7	14-35
7.60-H7	8.77 A	ø 7.6-H7	12-25
7.72	8.2	ø 7.72-H7	10-25
7.72+0.07	8.2+0.07	ø 7.71-H8	10-25
7.85	9.0 A	ø 7.73-H7	6-14
7.95-H8	9.16	ø 7.9-H7	12-27
8.00-H7	9.3 A	ø 8-H7	8-25
8.00-H8	9.25 A	ø 8-H7	5-12
8.00-H9	9.24 A	ø 8-H7	12-30
8.05	9.3 A	ø 8-H7	12-30
8.05-H7	9.3 A	ø 8-H7	16-40
8.15	9.4 A	ø 8-H7	15-25
8.15-H9	9.4 A	ø 8-H7	12-25
9.0	10.4 A	ø 9-H7	9-30
9.0-H9	10.4 A	ø 9-H7	9-30
10.0 +0.05/+0.1	11.6 A	ø 9.8-H7	40-60
10.0-H9	11.5 A	ø 10-H7	18-40
11.0	12.7 A	ø 11-H7	12-30
11.0+0.2		ø 11-H7	8-32
11.0-H9	12.7 A	ø 11-H7	12-30

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
11.0-H9	12.7 A	ø 11-H7	20-40
11.2-H9	12.94 A	ø 11-H7	10-25
12.00-H8	13.85 A	ø 12-H7	28-80
12.00-H9	13.85 A	ø 12-H7	37-75
12.00-H9	13.85 A	ø 12-H7	15-50
12.00-H9	13.85 A	ø 12-H7	10-25
12.00-H9	13.8 A	ø 12-H7	28-80
12.09	13.96 A	ø 12-H7	16-40
12.09+0.005	13.9 A	ø 12-H7	16-40
12.09±0.005	13.9 A	ø 12-H7	16-40
12.10	13.98	ø 12-H7	16-40
12.75	14.6	ø 12.7-H7	15-30
13.0	15	ø 13-H7	
13.0-H8	14.75 B	ø 13-H7	28-80
13.0-H8	14.7B	ø 13-H7	28-80
13.0-H9	15	ø 13-H7	18-45
14.00-H9	16.2 A	ø 14-H7	28-70
14.00-H9	16.1 A	ø 14-H7	20-55
14.00-H9	16.2 A	ø 14-H7	20-50
14.02	16.14	ø 14-H7	20-50
14.05-H9	16.2 A	ø 14-H7	20-50
14.10	16.3 A	ø 14-H7	20-60
14.10-H7	16.3 A	ø 14-H7	20-60
15.0	17.3 A	ø 15-H7	10-70
15.0-H9	17.3 A	ø 15-H7	28-70
15.0-H9 "Krumm Symmetriefehler"	17.3 A	ø 15-H7	28-70
15.88 (5/8")	18.33 A	ø 15.88-H7	30-65
16.0-H9	18.5 A	ø 16-H7	24-60
17.0+0.05/+0.08	19.6 A / AM500696P1	ø 16.8-H7	12-30
17.0+0.1/+0.3	19.9 A	ø 17-H7	25-50
17.0-D12	19.8 A	ø 17-H7	10-20
17.0-H8	19.6 A	ø 17-H7	30-80
17.0-H9	19.6 A	ø 17-H7	24-60
17.0-H9	19.6 A	ø 17-H7	15-50
17.1-H9	19.7 A	ø 17-H7	24-60
18.0	20.8 A	ø 18-H7	10-35
18.0-H9	20.8 A	ø 18-H7	10-40
18x11.8 6 Keile 30°	20.8	ø 11.7-H7	12-30
19.00	21.9 A	ø 19-H7	. 3000
19.00-H8	22.0 A	ø 19-H7	30-80
19.00-H9	21.9 A	ø 19-H7	24-60
19.00-H9	20.2 B	ø 19-H7	42-120
19.00-H9	21.9 A	ø 19 (6-Kant)	42-120
19.05-G5 (3/4")	22.0 A	ø 19-H7	30-75
19.15-H8	22.2 A	ø 19-H7	20-50

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
19.3-H9	22.8 A	ø 19.3-H7	28-80
20.0	23.1 A	ø 20-H7	
20.0-H7	…..... B (Eckradius R2)	ø 20-H7	12
20.0-H9	23.1 A	ø 20-H7	24-60
21.0	24.25 A	ø 21-H7	14-51
22.0	25.4 A	ø 22-H7	20-60
22.0+0.05	25.4 A	ø 22-H7	18-45
22.0-H9	25.4 A	ø 22-H7	20-60
22.3	25.75 A		
24.0-H9	27.7 A	ø 24-H7	20-70
24.0-H9	27.7 A	ø 24-H7	30-70
24.1-H9	27.8 A	ø 24-H7	28-80
24.2 +0.25 (24 +0.2/ +0.45)	28.15 A	ø 24.65-H7	25-50
24.2-H9	26.2	ø 24-H7	36-110
24.4-H9	28.2 A	ø 24.4-H7	28-76
25.0	28.9 A	ø 25-H7	
25.0-H9	28.9 A	ø 25-H7	24-70
25.4-G8 (1/2")	29.3 A	ø 25.4-H7	30-75
26.04	30.8	ø 26-H7	28-70
26.04+0.01	31	ø 26-H7	28-70
27.0	31.2 A	ø 27-H7	
27.0-D12	30.10 B	ø 27-H7	12-36 (312)
27.0-H9	31.2 A	ø 27-H7	30-70
27.0-H9	31.2 A	ø 27-H7	28-70
27.4	31.5 A	ø 27.2-H7	32-70
27.4-H9	31.5 A	ø 27.2-H7	30-70
30.00-H9	34.6 A	ø 30-H7	28-80
30.00-H9	34.6 A	ø 30-H7	28-75
30.06	34.6 A	ø 30-H7	
30.15-H9	34.8 A	ø 30-H7	32-80
30.15-H9	34.8 A	ø 30-H7	28-80
30.25-H9	34.9 A	ø 30-H7	30-80
30.3	34.6	ø 30-H7	
32.00-H9	36.9 A	ø 32-H7	28-70
32.06	36.9 A	ø 32-H7	28-70
32.15	37.1 A	ø 32-H7	52
36.0	41.6 A	ø 36-H7	19-90
36.0-H9	41.6 A	ø 36-H7	32-80
36.10-H9	41.7 A	ø 36-H7	30-90
36.15-H9	41.7 A	ø 36-H7	28-80
36.15-H9	41.7 A	ø 36-H7	32-80
36.5	42.1 A	ø 36 (6-Kant)	19-90
36.5-H9	42.1 A	ø 36.3-H7	30-90
38.0-H9	43.8 A	ø 38-H7	30-90
40.00	46.2 A	ø 40-H7	30-75

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
40.00-H9	46.2 A	ø 40-H7	20-50
40.05	46.2 A	ø 40-H7	30-80
41.00-H9	47.2 A	ø 41-H7	30-100
46.25	53.41 A	ø 46-H7	40-80
50.00-F8	56.6 B (Eckradius R=4mm)	ø 50-H7	25+55.4
50.00-F8	56.6 B (Eckradius R=4mm)	ø 50-H7	25-55
50.05	57.8 A	ø 50-H7	35-100
50.05	57.8 A	ø 50-H7	30-100
50.15	57.9 A	ø 50-H7	30-75
52.05-H9	60.2 A	ø 52-H7	60-(630)-60

28. Achtkant

3 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
19-H9	20.6	ø 19-H7	10-25
24.25	26	ø 24.02-H7	31-…
46-H8	49.76	ø 46-H7	13-61

29. Dreikant

1 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6.2x7.3	ø 7.3	ø 5.1-H7	29

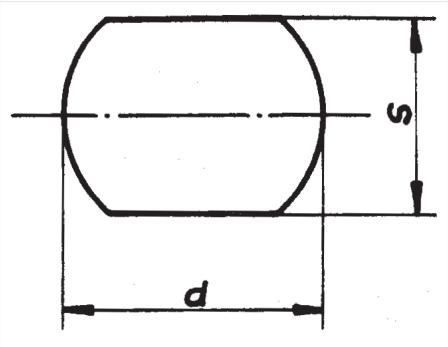
30. Doppel-Sechskant

1 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
14.0+0.05	15.15	ø 14.65-H8	20

31. Zweiflächenprofil

70 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
3.5+0.04/+,0.1x5G7		ø 4.5-H7	10-15
3.5+0.04/+0.1x5G7		ø 4.5-H7	10-15
4.53x6.02		ø 4.6-H7	10-12
4.8x5.4	Stossräumnadel	ø 4.78-H7	5.2-7.4
5 x ø 8.0	s= 5-.. / ø 8	ø 5-H7	10-25
5.40x8.32		ø 5.4-H7	10-13
5.40x8.32		ø 5.4-H7	8-13
6.04 x ø 8.04	s= 6.04-.. / ø 8.04	ø 6-H7	6-15
6.10 x ø 8.20	s= 6.10-.. / ø 8.20	ø 6-H7	7.5-15
6.15xø9.55		ø 8.3-H7x5.4	
6.15xø9.55	2 Zug	ø 8.3-H7x5.4	
6.15xø9.55	20414	ø 9.52-H7x6.07	9.5
6.15xø9.55	20414	ø 9.5-H7x6.07	9.5
6.18xø9.55	2 Zug / Nadel abgebrochen	ø 8.3-H7x5.4	13 (3 .)
6.35xø9.55	20415	ø 9.5-H7x6.3	4.8
6.37xø9.55	20415	ø 9.43-H7x6.25	4.8
7.25x8.03		ø 7.2-H7	7 67
7.25x8.03		ø 7.2-H7	7 7
7.28x7.95		ø 7.16-H7	16-40
7.28x7.95		ø 7.18-H7	16-40 1.4441
7.3x7.9		ø 7.2-H7	16-…
8±0.05x9+0.04		ø 8-H7	11
8±0.05xø8.94+0.07		ø 8-H7	22.6-38
9 x ø 12.0	s= 9-H8 / ø 12-H8	ø 9-H7	14.5-15.5
9 x ø 12.0	s= 9-H7 / ø 12-H9	ø 9-H7	10-25
10+0.1/30°x14+0.1/10°xø30-H8	ø30H8x25.1x29.06 D	ø 28.12-H7x24.12	42-80
10+0.1/30°x14+0.1/10°xø30-H8	ø 28.23x24.23	ø 25.41-H7x22.78	42-80
10+0.1/30°x14+0.1/10°xø30H(	☺55 25.55/22.87 (1FL)	ø 23-H7	42-80
10-H7x15-H7		ø 9.8-H7	35
12x15.5		ø 12-H7	11-39
12.4x16.4		ø 12.4-H7	11-39
12.75-0.07x22.25-0.1		ø 14-H7	11-20

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
13-H8x18/R9.5		ø 13-H7	6-12
13.55+0.1x16+0.1		ø 13.55-H7	11-20
14.1+0.1x19.1+0.1		ø 14-H7	12-33
14.6x18.7		ø 14-H7	11-39
15.45x19.5		ø 15.5-H7	10-35
15.50x19.5		ø 15.5-H7	17-30
16.05-F9x23.95-F9		ø 20.15x16.05	22-57
16.05-F9x23.95-F9		ø 16-H7	22-57
16.05x19		ø 16-H7	25-30
16.3x23.3		ø 16.3-H7	9-31
16.5 x 20.5	s=16.5-H7 / ø 20.5-H9	ø 16.5-H7	10-35
16.5 x 20.5	s=16.5-H7 / ø 20.5-H9	ø 16.5-H7	15-40
17.5x21.5		ø 17.5-H7	10-35
18-H8x24/R12.5		ø 17.9-H7	6-12
18.4x24.4		ø 18.4-H7	10-35
18.5+0.05x30+0.05	(18.5x26.8)	ø 18.5-H7	20-55
18.5+0.05x30+0.05		ø 26.8x15.5	20-55
19.4x23.4		ø 19.4-H7	12-30
19.4x23.4		ø 19.4-H7	15-45
20-H8x23-H9		ø 19.75-H7	230
20.4x26.4		ø 20.4-H7	10-44
22-H8x30-H9	R15.5±0.05	ø 22-H7	8-16
22-H8x30/R15.5		ø 21.9-H7	8-16
22x28	(22.1x28.03)	ø 22-H7	13-59
23.4x32.4		ø 23.4-H7	10-44
24.9x30	ø30	ø 25-H7	30-60
27-H8x35/R18		ø 26.9-H7	8-16
32.05+0.02x36		ø 32-H7	18-50
34-H8x45/R213 Typ125	ø34.9x34H8	ø 33.9-H7	12-24
34-H8x45/R23	34H8xø39.4	ø 33.9-H7	12-24
34-H8x45/R23		ø 34-H8xø39.31-H7	12-24
34-H8x45/R23	Typ125	ø 34-H8xø39.4	12-24
35x25	ø35	ø 30x24.9	30-60
35x45-H9		ø 35-H7	16-40
36x30-H7	ø36	ø 30-H7	40
40x55		ø 40-H7	13
60.3x50.04	ø55.55x49.85 (ø60.3)	ø 49.8-H7	55
60.3x50.04	ø60.3	ø 55.5-H7x49.8	55

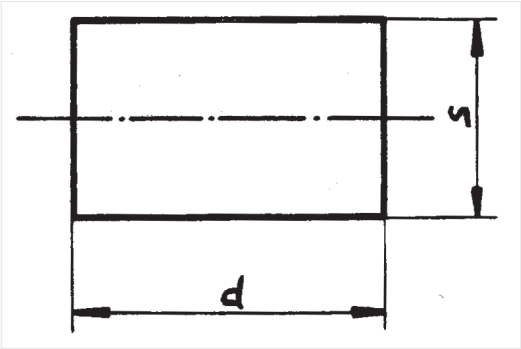
32. Einflächenprofil

7 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
4.5 x ø 5.0	s= 4.5-H11 / ø 5-JS8	ø 4-H7	8.5
8.6 x ø 10.1	s= 8.6-.. / ø 10.1	ø 8.5-H7	14.5
9.0 x ø 12.0	s= 9-.. / ø 12	ø 6-H7	7.5
9.0 x ø 12.0	s= 9-H7 / ø 12-H7	ø 6-H7	7.5
10.0 x ø 12.0	s=10-H7 / ø 12-H7	ø 8-H7	7.5
10.0 x ø 12.0	s=10-H7 / ø 12	ø 8-H7	7.5
24.65 x ø 26.0	s=24.65-.. / ø 26	ø 23.0-H7	30 (310)

33. Rechteckprofil

58 Ausführungen



Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
2x5-H9xø7x8-H9	5 H9x8H9		ø 7-H7 (5x7.86)	24-58
2x5-H9xø7x8-H9	5xø8.06		ø 7-H7	24-58
4-H7x12-H7	Eckrad. 0.3		ø 3.6x11.6 Langloch	12 1414
4-H7x12-H7	Eckrad. 0.3		ø 3.6x11.6 Langloch	5-(31)-5
4.82x12.02	13 A		ø 4.5x11.8 Langloch	2 6.4
5x8			ø 5.5-H7	18
5.05x16.05	(5.14x16.14)		ø 5.04-H7x15.76-H7	14.2
5.05x16.05	(5.14x16.12)		ø 5.04-H7x15.76-H7	14.2
5.5x12	13.2		ø 5.1x11.1	8-15
5.84-H9x8-H9	8.8 B Eckr. ca. 1mm		ø 5.8-H7	15-25
6.05-0.02x7±0.05	9.3 A		ø 6-H7	14-42
6.5x16.1	Scharfkantig		ø 6.2x15	12-30
6.5x16.1	17.5 A		ø 6.2x15.7 Langloch	12-30 1414
6.6+0.05x6.7+0.05	9.27 A		ø 6.5 7	4.8 (32.7) 4.8
7.92+0.125x9.52+0.125	7.92xø9.3		ø 7.9-H7	10-30
7.92+0.125x9.52+0.125	12.35 B		ø 7.9xø9.2	10-30
8x12	14.4		ø 11-H7	25-70
8.1+0.05x19.4+0.1	21		ø 7.5x19	3-8
8.3x10.3	Eckradius 0.8		ø 8.2-H7	15
9.5+0.05x21.7+0.02	23.5 A (9x21.8)		ø 9x21.5 Langloch	10-20
9.5+0.05x21.7+0.02	23.7 A		ø 9x21.8 RE	10-20
10.0 +0.02 x 15 +0.02	10 x ø11.5		ø 10-H7	30-85 45
10.0 +0.02 x 15 +0.02	10x ø13.15		ø 10 x ø 11.3	30-85 45
10.0 +0.02 x 15 +0.02	10x ø14.7		ø 10 x ø 13	30-85 45
10.0 +0.02 x 15 +0.02	18.04 A		ø 10 x ø 14.8	30-85 45
10.0 x 14.1	17.2	12°	ø 10.95-H7	10
10.04 ±0.01 x 14.1 ±0.05	12.1A		ø 11 (2 Fl. Mass 10	210 45
10.2 x 22.9	25		ø 10.05x22.85	
10.7 x 18	20.5 B		ø 10.5-H7	12-30
11.02 +0.03 x 16.55+0.02	19.7 A (10.7x16.55)		ø 10.7x16.3 Langloch	10-20
11.02 +0.03 x 16.55+0.02	19.9 A		ø 10.7x16.55	10-20
14x35 (1.85)	37.6		ø 13.5x34.4	20

Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
14.2x21	25.3		ø 14.1x21	14.8 45
15+0.1x21+0.1	19.8 Eckr. ca. 0.5		ø 16-H7	10-20 35
15+0.1x21+0.1	24.8 Echrad. ca. 0.5		ø 16-H7	10-20 35
15-H7x20-H7	Eck-ø21.5		ø 19-H7	36-112 45
15-H7x20-H7	25 A		ø 19 / 20x15	36-112 45
15.2x40.2	41.1 B Eckrad.		ø 13.7x40 Langlioch	20-….
15.75x20.32 (0.62"x0.80")	25.5		ø 15.5-H7	15-…
15.85-H8x22	15.5xø20.4 2FL		ø 15.5-H7	16-46
15.85-H8x22	26.7		ø 2FL 15.5xø20.3	16-46
16.0x20.57	25.7		ø 15.5-H7	8-27
16.55x17.03+0.01	22.2 B		ø 16.42-H7	18-28
21-H9x28-H9	21.1x21.1 (ø23.7)		ø 21-H7	36-125
21-H9x28-H9	29.7A		ø 4KT 21 (ø24.7)	36-125
21.2x24.12	Eckrad. Ca. 0.2		ø 4KT 21-H7 (ø28.5)	16-40
23.65x49.08	34.5		ø 21.7x48	218.2
25x30.5	39.5A		ø 4KT 25.1 /ø30)	16-30
25.5+/-0.1x28+/-0.1			ø 25.5-H7	6-6.5
25.5+/-0.1x28+/-0.1			ø 25.5-H7	6.5
30x35	46A		ø 28.9x33.9	27-…
30x35	46A		ø 27.7x32.6	29-…
32-E8x32.2			ø 31.73x31.63	200
32.2+0.2x32-E8			ø 31.6x31.7	
33.8+0.1x39+0.1	! 8		ø 4KT 32-H8	30
34.1x36.1	49.7A		ø 32x32	24-92
35.2x56.2	66A		ø 32.9x54.9	31-…
50.25x30.25	Ecken Räumen/Egalisieren		ø 29.8x49.8	

34. Rundräumung

9 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
ø 15-H7	Rundräumung	ø 14.5-H7	16-48
ø 20-H7	Rundräumung	ø 19.2-H7	18-30
ø 25-H7	Rundräumung	ø 24-H7	22-28
ø 25.6-H7	Rundräumung	ø 25.3-H7	20-60
ø 28-H7	Rundräumung	ø 27.4-H7	24-85
ø 30-H7	Rundräumung	ø 29.40-H7	24-90
ø 35-H7	Rundräumung	ø 34.4-H7	26-110
ø 38.3-H8	Rundräumung	ø 38-H7	16-40
ø12-H7	Rundräumung	ø 9-H7	25

35. Polygon-Profil (P3G, P4G …)

1 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
P4C 6 (6-H7 x ø 7-H7, e=1.6)	4-Flächen	ø 5.80-H7	10-19

36. Profil ATAR

23 Ausführungen

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
ø10x19	z=19	0.5	40°	ø 9-H7	9-23
ø10x19	z=19	0.5		ø 9-H7	17-…
ø12x23	z=23	0.5	40°	ø 11-H7	9-31
ø12x23	z=23 1	0.5		ø 11-H7	8.5-….
ø12x23	z=23	0.5		ø 11-H7	17-…
ø14x27	z=27	0.5	42°30'	ø 13-H7	9-31
ø14x27	z=27	0.5		ø 13-H7	17-…
ø16x31	z=31	0.5	42°30'	ø 15-H7	18-39
ø16x31	z=31	0.5		ø 15-H7	19-…
ø18x35	z=35	0.5		ø 17-H7	21-…
ø20x39	z=39	0.5		ø 19-H7	21-…
ø20x42	z=43	0.5		ø 21-H7	21-…
ø22x43	z=43	0.5		ø 21-H7	21-…
ø22x43	z=43	0.5		ø 21-H7	21-….
ø24x31	z=31	0.75		ø 22.5-H7	25-…
ø27x35	z=35	0.75		ø 25.5-H7	25-…
ø30x39	z=39	1.25		ø 28.5-H7	24-….
ø30x39	z=39	0.75		ø 28.5-H7	25-…
ø36x35	z=35	1		ø 34-H7	24-….
ø36x35	z=35	1		ø 34-H7	25-….
ø42x27	z=27	1.5		ø 39-H7	24-….
ø8x15	z=15	0.5		ø 7-H7	13-…
ø8x24	z=24	0.306		ø 7.14-H7	17-…

37. Spezialprofile

61 Ausführungen

Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
1x1.5xø8.4xø11.6	1 Keil 1.5 breit bleibt stehen		ø 8.4-H7	5.5 (16.5)
1x2.39/4x1.83x10.5x11.6			ø 10.5-H7	210.6
1x2.39/4x1.83x10.5x11.6	5 Keile		ø 10.5-H7	210.6
2x10x13.0x2.15 (breite ca.)	2 Keile		ø 10.5-H7	54
2x2-0.1/30°x6x8.05+0.05	2 Keile 2-0.1 bleiben stehen 3-4		ø 8.05+0.05	6 7
2x3.35x18/18.24x23.26	2 Keile 3.35 bleiben stehen		ø 18-H7	11-20 (17)
2x4.01xø15xø18.6	Drallnuten 2x		ø 15-H7	22.5 (1.4507)
2x4.62-0.13x15.5/15.63x19.05+0.13	2 Kei 4.62 bleiben stehen		ø 15.5-H7	23.7
2x7.75x9.95x2-JS9	2 Keile		ø 7.75-H7	24.5
2x8-H9x25-F7x31.6-0.1	Doppelkeilnute (Doppelzahn)		ø 24.5-H7	20-54
2x8x10.2x1.8	2 Lücken		ø 8-H7	10.6-…
3x25.6x30.2x4.4	3 Keile bleiben stehen		ø 25.3-H7	182
3x4.97-0.05x17.4x22.9+0.2	3x5.32+0.05 / 18°		ø 17.4-H7	
4x42.7x49.7x5.87	Nachräumwerkzeug		ø 42.7/ø49.4x5.8	30.5-50
4.5-H7x4.7-H7x8.5-E7	3 Zug / 1259 - 1266 in gleicher Kiste		ø 8.1/4.5	8
4.5-H7x8.5-E7	2 Zug / 1259 - 1266 in gleicher Kiste		ø 6.5-H7/4.5	8
4.5-H7x8.5-E7	2 Zug / 1259 - 1266 in gleicher Kiste		ø 5.95/4.5	8
4.5-H7x8.5-E7 (ø6.5)	1 Zug / 1259 - 1266 in gleicher Kiste		ø 4.5-H7	8
4.5x5.44	Tropfenform		ø 4.5-H7	6-8
6x7+0.2/12x74.5x84+0.2	6 Zähne 7/12		ø 74.5-H7	24-65
7-H7x10.1-0.05x2 Keile 30°	2 Lücken 30°		ø 7-H7	12 .
7-H7x14-E7x2 Radien 3.4-0.06			ø 10.5-H7	10
11.4-H9x1.5 tief	Nutengrund-Rund		ø 24-H7	96.9 115
11.6x12.25	2 Keile x R2.3		ø 11.6-H7	203
12-0.05x3.6 tief	Nutengrund-Rund		ø 24-H7x11.4xø25.4	96.9 115
12x14x16 (R8 einseitig)	16.1		ø 12-H7	14-40
13.38-0.15x16.5	Elipse		ø 13-H7	10-26
13.38-0.16x14.3	Elipse		ø 13-H7	10-30
14-H8x16+0.1x1 Nut 3-0.1	1 Lücke		ø 14-H7	20-35
15.2 +0.08x16 +0.2x38+0.05	Rechteck		ø 14.6x37.6	3 7.2
15.2+0.08/16+0.2x37.4	41B		ø 14.7x37	37.2
15.2+0.08/16+0.2x38+0.05			ø 9.5x37.5 RE	3 7.2 .
15.2+0.08/16+0.2x38+0.05	1819/51			37.2
16-0.2x15-F9	Oval / HAFA 407'849		ø 15-H7	28 = 16
16.1x38.3	DIS. 5-41257/2 (13477)		ø 14.37x37.46	47.2 = 28.8
19	4Kt 1 Fl. Mit Radius		ø 19	19-38
24-H7x30.5+0.1xR3+0.05x2	Doppel-Radius-Nute (Doppelzahn)		ø 24-H7	28-70 37

Abmessung	Info / Zähnezahl	Winkel	Ausgangsbohrung	Räumlänge mm
24x24	25.1x25.1		ø 4KT 24 (ø31.7)	
26x26	27.1x27.1		ø 4KT 26 (ø34.5)	
30+0.1/+0.2x45°+0.5°	Schwalbenschwanz Kontaktrohr		ø 25.5x28.1	
30+0.1/+0.2x45°+0.5°	Schwalbenschwanz Kontaktrohr		ø 27.5x28.1	
30+0.1/+0.2x45°+0.5°	Schwalbenschwanz Kontaktrohr		ø 25.45x28.1	
30+0.1/+0.2x45°+0.5° (DEFEKTE FüHRUNG)	Schwalbenschwanz Kontaktrohr		ø 24.01-H7/28.25x28.1 (Höhe)	
30x45°	27.85x28.1			
30x45°	27.85x30.1			
31.8øx1r 34ø/40.4ø/46ø			ø 31.8	212.3
46.8x50	2x z=8 vis à vis		ø 46.8-H7	23-…
50-H8x58.35	Doppelkeil 30H8 (Doppelzahn)		ø 48.51-H7	30-50
70x10			ø 10x69	17-……
76x80.5 DH48076	z=36		ø 76-H7	40-…
DF 13-307	Reiden Spezial		ø 76-H7	29-….
ø11.88/Drall	2 Drallkeile		ø 8.25-H7	16.5-25
ø12.01/Drall	2 Drallkeile		ø 8.02-H7	16.5-25
ø12.51/Drall	2 Drallkeile		ø 8.25-H7	16.5-25
ø12.61/Drall	2 Drallkeile		ø 8.02-H7	16.5-25
ø13.23/Drall	2 Drallkeile		ø 8.25-H7	16.5-25
ø15.1/ø14.3	7 Halbmonde		ø 14.5-H7	30
ø17xø12.6	z=12	60°	ø 12.6-H7	16-30
ø43.5xø52.5	z=15 / Zahnnabenprofil		ø 43.5-H7	…-22
ø44.9xø47	2x z=9 vis à vis		ø 44.9-H7	
ø9xø12-H7	Steigung 120°		ø 9-H7	25

38. Spezial-Verzahnung

21 Ausführungen

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
8.9-H7x9.5+0.3	z=42 90° / Auftrag 4807			ø 8.9-H7	10-25
22x41.5	z=17			ø 22-H7x40-H7	
25.2x31 Stella	z=12			ø 25.2-H7	28
30.05x33.14	z=24			ø 33.05-H7	10-22
30.05x33.14	z=24			ø 30.05-H7	10-22
39.5x42.6	z=28			ø 39.5-H7	16.52
47x52.7 +0.19	z=16 / Grob Spline zu Rollen-Nr. R427		45°	ø 47-H7	30-100
m=1.5/20°	z=45, .	1.5	20°	ø 59.5-H7	29-…
m=3 z=16		3		ø 45-H7	25-…
z=16, Lückenwink. =22.5° (10.9x13.25)	z=16 / Grob Spline zu Rollen-Nr. R818	0.75	22.5°	ø 11-H7	18-45
z=16, Lückenwink. =22.5° (10.9x13.25)	z=16 / Grob Spline zu Rollen-Nr. R819	0.75	22.5°	ø 11-H7	18-45
z=25, Lückenwink. =60° (m=0.1878)	z=25	0.1878	60°	ø 4.55-H7	9 (24.5)
z=36, Lückenwink. =75° (m=0.7375)	z=36	0.7375	75°	ø 25.55-H8	40 (104)
z=60, Teilung 4.5mm, Zahnwink. = 75°	z=60 / 85.1x87.96 (69° Lückenwink.)		75°	ø 85.1-H8	28-83
z=60, Teilung 4.5mm, Zahnwink. = 75°	z=60 / 85.1x87.96 (69° Lückenwink.)		75°	ø 85.1-H8	34-83
z=60, Teilung 4.5mm, Zahnwink. = 75°	z=60 / 85.1x87.96 (69° Lückenwink.)		75°	ø 85.1-H8	28-85
z=62, Teilung 4.5mm, Zahnwink. = 75°	z=62 / 88x90.83 (69°11'36" Lückenwi.)		75°	ø 88.0-H7	26-75
z=62, Teilung 4.5mm, Zahnwink. = 75°	z=62 / 88x90.83 (69°11'36" Lückenwi.)		75°	ø 88.0-H7	26-78
z=62, Teilung 4.5mm, Zahnwink. = 75°	z=62 / 88x90.83 (69°11'36" Lückenwi.)		75°	ø 88.0-H7	28-75
ø14.6xø10.2x10	z=10/60°			ø 10.2-H7	12-30 (319)
ø48x50.2	z=98	0.5		ø 48-H7	7.5-…

39. Spezial-Kerbverzahnung

18 Ausführungen

Abmessung	Info / Zähnezahl	Modul	Winkel	Ausgangsbohrung	Räumlänge mm
4.25x5.2	z=15			ø 4.25-H7	7-14
9.3x10.2	z=19			ø 9.3-H7	21-40
9.3x10.3	z=24			ø 9.3-H7	18-34
18x20	z=33			ø 18-H7	32-60
20x22.5x37	z=37			ø 20-H7	19-30
45x43.5	z=72			ø 43.4-H7	103
56x27 BNA227	z=27	2	42°30'	ø 52-H7	24-65
61.201.440 Kerbverzahnung	z=40	0.635	60°	ø 24.7-H7	20-52
62x67	z=31			ø 62-H7	30-130
68"x777" 17.27x19.74	z=18			ø 17-H7	23-40
68"x777"17.27x19.74	z=18			ø 17-H7	23-40
AS.S-48 32.19x35.78	z=24			ø 32.2-H7	22-40
IR12/24	z=32			ø 15-H7	20-50
SS25 24.54x28.2	z=28		60°	ø 24.55-H7	18-45
m=0.266, z=50, 98.065°	z=50	0.266	98.065°	ø 13-H7	34.5 = 13.5
ø 17.577+0.2 x ø15.24-H7	z=15			ø 15.25-H7	13-25
ø 24	z=50			ø 24.1-H7	22-35
ø10.8/ø9.6 (9.6x1.1mm)	z=16			ø 9.6-H7	12-30

40. Nockenprofil

8 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
7-H7x8.6-H8x1.0-0.1 R0.2	0811-209-001/101-1	ø 7-H7	6.6-9.5
7-H7x8.6-H8x1.0-0.1 R0.2	, 0811-209-001/101-1	ø 7-H7	6.6-9.5
7-H7x8.6-H8x1.0-0.1 R0.2	1 Nocken / Meggitt	ø 7-H7	6.6-9.5
8x98+0.1x105+0.1x6x4rx90°	8 Keile (Rund)	ø 97.8	26.5
ø 12-H7 / ø 16-H9 mit Nocken 6mm	1 Nocken bleibt stehen	ø 12.0-H7	12
ø 17-H8 / ø 20+0.05 / Keil 4+0.1	1 Keil bleibt stehen	ø 17.0-H7	5-20
ø 6.5 / ø 8 / Nocken 3.15mm	1 Nocken bleibt stehen / Tiefe 0.75mm	ø 6.5-H7/4.5	7-14
ø8/Keil 3.0	1 Nocken bleibt stehen	ø 6.47-H7	7.5-15

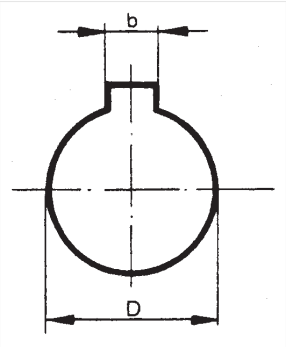
41. Kerbverzahnung DBN 442

3 Ausführungen

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
1x47 (ø16)	z=47	ø 14.4	7-17
1x60 (ø20)	z=60	ø 18.5	7-23
1x66 (ø22)	z=66	ø 20.4	7-23

42. Flachnadeln / Keilnuten

479 Ausführungen



Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
2.0	1	ø 4	12-24
2.00-F8	1.1	ø 3x5.3	10-25
2.00-H7	1	ø 3	..-20
2.00-H7	1.1	ø 3x5.55	10-25
2.00-H7	1.1	ø 3x5.65	10-20
2.00-H7	1.1	ø 3x5.65	14-35
2.00-H7	1.1	ø 2.5x5.3 (Räumdorn)	10-25
2.00-P9	1.1	ø 3x5.3	10-25
2.00-P9	1.1	ø 3x5.65	10-25
2.00-P9	1.1	ø 3x5.7	20
2.00-P9	1.1	ø 3x5.65	14-35
2.10	1.6	ø 4x7.3	12-30
2.15 0/+0.05	1.37 0/+0.15	ø 3x5.3	10-25
2.15 0/+0.05	2.35 0/+0.15	ø 3x5.3	10-20
2.15 0/+0.05	2.35 0/0.15	ø 3x6.8	10-20
2.15 ±0.05	1.37 0/+0.15	ø 3x5.3	10-25
2.30-H9	1.1	ø 4x6.7	12-30
2.50-H7	1.5	ø 4	..-34
2.50-H7	1.1	ø 4	18-34
2.50-H9	1.5	ø 4	12-30
2.50-P9	1.5	ø 4	..-34
2.50-P9	1.5	ø 4x7.3	12-30
2.55-H9	1.5	ø 4	12-30
2.99 (3-P9)	1.5	ø 4	..-22
2.995 (3-P9)	1.4	ø 4x7.4	10-25
3.00	1.5	ø 5	12-30
3.00-C11 (3 +0.06/+0.12)	1.4 (2 Züge)	ø 5x7.83	20-60
3.00-H10	1.5	ø 4x7.3	18-50
3.00-H7	1.3	ø 4	12-30
3.00-H7	1.5	ø 4	20-30
3.00-H7	1.3	ø 4	18-50
3.00-H7	1.5	ø 4	12-30

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
3.00-H7	1.6	ø 4	12-30
3.00-H7	1.3		18-50
3.00-H7	1.5	ø 4x6.4	18-45
3.00-H7	1.5	ø 4x73	12-30
3.00-H7	1.5	ø 4x7.3	16-40
3.00-H7	1.5	ø 4x7.3	18-50
3.00-H7	1.3	ø 4x7.3	18-50
3.00-H7	1.5	ø 4x7.3	12-30
3.00-H9	4	ø 5	12-30
3.00-H9	1.3+0.1 (bei ø10)	ø 10-H7	134
3.00-H9	1.6	ø 5x8.35	14-25
3.00-H9	1.5	ø 4x7.3	18-50
3.00-J9	1.5	ø 4x7.35	12-30
3.00-P9	1.4	ø 4	22
3.00-P9	1.8	ø 4x6.4	18-45
3.00-P9	1.8	ø 4x7.3	12-30
3.00-P9	1.5	ø 4x7.3	12-30
3.00-P9	1.5	ø 4x7.3	16-40
3.00-P9	1.4 0/+0.1	ø 4x7.4	20-60
3.005 +0.015	0.95 +/- 0.05 (bei Ø 4.5)	ø 4.5	
3.20-0.02	1.8	ø 5	24-60
3.20-H7	1.8	ø 5x9.1	12-30
3.20-H9	1.5	ø 4x7.3	12-30
3.50	4	ø 4	16-35
4.00-D10	2.2	ø 5x11.2	14-35
4.00-D10	2.2 0/+0.2	ø 5x11.2	14-35
4.00-D10	2.2 0/+0.2	ø 5x10.8	14-35
4.00-F9	1.9	ø 5x8.9	18-50
4.00-F9	1.9	ø 5x9.3	18-50
4.00-H7	2	ø 6	
4.00-H7	2.2	ø 5	20-40
4.00-H7	1.8	ø 5x9	12-30
4.00-H7	1.9	ø 5x9.3	18-50
4.00-H7	1.9	ø 5x9.3	22-55
4.00-H9	2.5	ø 5	20-60
4.00-H9	1.9	ø 5	24-60
4.00-H9	3	ø 4	
4.00-H9	1.8	ø 5x9.35	12-30
4.00-H9	2.7	ø 6x9.8	18-30
4.00-H9	1.9	ø 5x9.3	12-30
4.00-H9	1.8 0/+0.1	ø 5x9.4	12-30
4.00-P9	2	ø 5	24-60
4.00-P9	3	ø 4	8-24
4.00-P9	1.4	ø 5x10.1	
4.00-P9	2.1	ø 6x9.75	20-30

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
4.00-P9			20-30
4.00-P9	1.8	ø 5x9.35	12-30
4.00-P9	1.8	ø 5x8.1	24-60
4.00-P9	1.9	ø 5x9.3	18-50
4.00-P9	1.9	ø 5x9.3	22-55
4.06-H9 (4.0-D10)	4	ø 5x	10-22
4.11	3.5	ø 5x	14-30
4.12	3	ø 5x	10-22
4.50	2.2	ø 5x	16-30
4.65	4.35/5.25	ø 12x30.2	48-54
4.75	2.3	ø 5x	16-40
4.76 (3/16")	1.7	ø 6x10.7	12-63
4.76-H9 (3/16")	2.1	ø 5x11.3	18-60
4.79 (3/16")	2.2	ø 6x11.7	20-40
4.80-H7	2.2	ø 5x10.6	14-35
4.80-H7	2.2	ø 5x12.2	16-32
4.97	2.7	ø 6x11.8	22-40
5.00-D 8	4	ø 6	22-41
5.00-D10	4.3	ø 6	15-50
5.00-H7	2.2	ø 5 breit	14-35
5.00-H7	2.2	ø 5	30-90
5.00-H7	2.2	ø 5	28-70
5.00-H7	2.4	ø 5	14-35
5.00-H7	2.4	ø 5	30-90
5.00-H7	2.2	ø 5	24-60
5.00-H7	2.6	ø 7x12.65	25-40
5.00-H7	2.4	ø 5x10.05	24-60
5.00-H7	2.4	ø 5x10.1	24-60
5.00-H7	2.4	ø 6x11.6	14-35
5.00-H7	2.4	ø 6x 8.5/11.55	20-60
5.00-H7	2.4	ø 6x11.55	16-60
5.00-H7	2.4	ø 6x15	18-45
5.00-H7	2.8	ø 5x11.80	20-50
5.00-H8	2.4	ø 6x15	18-45
5.00-H9	2.3	ø 5	18-45
5.00-H9	2.2	ø 5	20-50
5.00-H9	1.9	ø 6	40-117
5.00-H9	2.7	ø 6	22-40
5.00-H9	2.3	ø 5x11.6	14-35
5.00-H9	2.4	ø 5x11.6	16-40
5.00-J8	2.8	ø 6	22-40
5.00-JS8	2.4	ø 6x11.6	20-60
5.00-JS8	2.4	ø 6x11.60	20-60
5.00-JS9	2.4	ø 5	14-35
5.00-JS9	2.4	ø 6x11.55	16-60

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
5.00-M7	2.2	ø 5	25-60
5.00-M7	2.2	ø 5x11.6	25-60
5.00-M7	2.2	ø 6x12	25-60
5.00-P9	2.2	ø 5	30-90
5.00-P9	2.3	ø 5	
5.00-P9	2.2	ø 6	18-45
5.00-P9	2.2	ø 5	14-35
5.00-P9	2.5	ø 5	24-60
5.00-P9	2.8	ø 6	22-40
5.00-P9	2.2	ø 5	16-40
5.00-P9	2.4	ø 6	60-145
5.00-P9	2.3	ø 5	14-35
5.00-P9	2.3	ø 7x11.6	20-60
5.00-P9	2.4	ø 6x11.6	14-35
5.00-P9	2.4	ø 6x11.55	16-60
5.00-P9	2.4	ø 6x11.5	20-60
5.00-P9	2.4	ø 5x11.5	18-50
5.01	2.75	ø 6x7.35	20-50
5.04	2.5	ø 6	40-117
5.05-0.01	2.4	ø 6	18-45
5.15 +0.01	3	ø 6	12-22
5.20 +0.1	3	ø 6	12-22
5.55-H7	3	ø 5.55	12-22
5.85	4/6.37	ø 12x30.03	48-54
5.85	4/6.37	ø 12x30.3	48-54
5.96	3.2	ø 6x16.2	12.5-39
6.0	1.07	ø 6x7.9	12-….
6.0 +0.05/+0.10	2.9	ø 8 x 15.6	18-45
6.00-H7	3.5	ø 6	21-40
6.00-H7	3.4	ø 6	25-50
6.00-H7	3.2	ø 6	20-50
6.00-H7	3.3	ø 6	25-50
6.00-H7	2.6	ø 6	18-45
6.00-H7	2.6	ø 6	30-80
6.00-H7	2.8	ø 6	20-60
6.00-H7	3.3	ø 6	12.5-39
6.00-H7	2.9	ø 8x15.6	20-60
6.00-H7	2.9	ø 6x15.6	18-45
6.00-H7	2.9	ø 8x15.55	18-45
6.00-H7	2.9	ø 8x15.55	20-60
6.00-H7	2.9	ø 8x15.60	28-75
6.00-H7	2.9	ø 6x15.50	20-60
6.00-H7	2.9	ø 6x15.60	25-80
6.00-H9	2.7	ø 6	22-66
6.00-H9	2.7	ø 6	20-60

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
6.00-H9	2.7	ø 6	22-55
6.00-H9	2.9	ø 6	30-80
6.00-H9	2.9	ø 6	40-110
6.00-H9	3.8	ø 6	30-50
6.00-H9	2.9	ø 6	18-45
6.00-H9	2.7	ø 8x12.9 (14.5)	161-246
6.00-H9	2.7	ø 8x14.9 (16.5)	161-246
6.00-H9	3.7	ø 8x14.3	25-50
6.00-H9	3.5	ø 6x16.15	20-50
6.00-H9	3.55	ø 6x15.50	18-45
6.00-H9	3.7	ø 6x15.00	14-35
6.00-H9	3.8	ø 6x15.60	14-35
6.00-J8	3.4	ø 6	25-50
6.00-J8	3.3	ø 6	26-80
6.00-J8	3.3	ø 6	25-50
6.00-J9	3.7	ø 6x15.60	18-45
6.00-JS9	3.5	ø 6	18-45
6.00-JS9	2.9	ø 8x19.6	20-50
6.00-M7	3.3	ø 6	40-110
6.00-M7	3.4	ø 6x18.40	20-50
6.00-M7	3.3	ø 6x14.30	25-50
6.00-P9	3.3	ø 6	25-50
6.00-P9	2.6	ø 6	30-80
6.00-P9	3.8	ø 6	30-150
6.00-P9	3.2	ø 6	25-50
6.00-P9	2.8	ø 8	25-80
6.00-P9	3.48	ø 6x16.38	40
6.00-P9	2.9	ø 8x15.60	20-60
6.00-P9	2.9	ø 8x15.60	28-75
6.00-P9	2.9	ø 8x19.5	20-50
6.00-P9	2.9	ø 6x14.4	20-50
6.00-P9	1.9	ø 6x13.70	30-80
6.00-P9	3.2	ø 6x14.30	25-50
6.00-P9	3.6	ø 6x15.60	18-45
6.00-P9	3.3	ø 6x14.30	25-50
6.04	3.5	ø 6.04 x 16.13	20-50
6.07	3.3	ø 8x18.3 (15.9)	32-100
6.08-H9	1.15	ø 6.05x12.10	40-200
6.35-H9 (1/4")	3.8	ø 8x19.80	13-52
6.37 (1/4")	3.8	ø 8x…	25-60
6.37-H7 (1/4")	2.9	ø 8.x15.55	20-60
6.40 +0.061/+0.178	1.5	ø 8x17.50	45-200
6.43	1.4	ø 15.81x14.24	1665
6.83	4.95	ø 12	48-54
7.00-H7	3.9	ø 8	25-50

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
7.00-H9	3.1	ø 7	24-60
7.00-H9	2.6	ø 7x16.80	14-35
7.00-H9	3.5	ø 7x20.20	20-50
7.00-H9	3.7	ø 7x17.00	10-25
7.00-K8	3.4	ø 7	24-60
7.00-P9	3.3	ø 7	24-60
7.00-P9	3.8	ø 7x20.60	24-60
7.10+0.036	1.9	ø 7.10x17.90	44-150
7.10-H9	3.7	ø 7.15x19.70	30-80
7.15	4	ø 8	28-70
7.15	3.2	ø 8	28-70
7.30	3.3	ø 8	25-80
7.95	1.8	ø 15.81x11.96	16-60
8.0	2.3	ø 8.0x	30-180
8.00 +/-0.01	3.5	ø 10x20.1	20-50
8.00 +/-0.01	3.5	ø 10x20.15	20-50
8.00 +0.048/+0.072	1.6	ø 8.08x18.3	17-65
8.00-0.008/+0.013	3.5	ø 8.0x	50-150
8.00-CD6 (8 +0.05/+0.06mm)	3.5	ø 10x24.20	24-80
8.00-CD6 (8 +0.05/+0.06mm)	3.5	ø 10x24.20	24-82
8.00-D9	3.5	ø 10x20.20	28-70
8.00-H7	3.5	ø 8.0x20.20	24-60
8.00-H7	3.1	ø 8.0x	28-70
8.00-H7	3.5	ø 8.0x	40-110
8.00-H7	3.5	ø 8x18.1	30-80
8.00-H7	3.5	ø 10x20.2	28-70
8.00-H7	3.5	ø 10x20.15	28-70
8.00-H7	3.5	ø 10x20.20	28-70
8.00-H7	3.5	ø 10x20.20	36-90
8.00-H7	3.5	ø 8x20.0	20-60
8.00-H7	0.9	ø 8x20.30	50-450
8.00-H9	3.5 / Eckradius R1	ø 10x20.25	20-50
8.00-H9	3.2	ø 8.0x	26-80
8.00-H9	3.2	ø 8.0x	32-70
8.00-H9	4.35	ø 10.0	35
8.00-H9	3.5	ø 10x20.20	28-70
8.00-H9	3.5	ø 8x20.20	28-70
8.00-H9	4.5	ø 10x20.00	30-80
8.00-H9	3.3	ø 8x18.30	32-100
8.00-H9	4.1	ø 8x20.00	28-80
8.00-H9	4.5	ø 8x20.40	20-60
8.00-H9	3.3	ø 8x20.30	20-60
8.00-H9	3.3	ø 8x22.20	24-60
8.00-J8	3.3	ø 8.0x	32-100
8.00-J8	3.3	ø 10	28-80

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
8.00-J8	3.3	ø 10x20.1	28-80
8.00-J8	2.6	ø 8x18.20	32-100
8.00-J8	2.5	ø 8x20.00	30-80
8.00-JS9	3.5	ø 8.0x	20-50
8.00-JS9	3.5	ø 10x20.1	20-50
8.00-JS9	3.3	ø 8x20.20	24-60
8.00-K8	3.2	ø 8.0x	28-70
8.00-M7	2	ø 8x18.00	35-100
8.00-M7	2.1	ø 8x18.10	36-120
8.00-N7	3.5	ø 8x20.2	24-60
8.00-P9	3.5	ø 8.0x	20-50
8.00-P9	2.4	ø 8.0x18.4	30-180
8.00-P9	3.8	ø 8.0x	16-49
8.00-P9	4	ø 8.0x	28-80
8.00-P9	3.5	ø 10x20.1	28-70
8.00-P9	3.1	ø 8x20.2	28-70
8.00-P9	3.5	ø 10x20.20	28-70
8.00-P9	3.5	ø 10x20.20	36-90
8.00-P9	3.5	ø 8x20.2	28-80
8.00-P9	3.3	ø 8x16.50	30-80
8.00-P9	2.1	ø 8x19.50	30-80
8.00-P9	3.3	ø 10x20.30	20-60
8.00-P9	3.3	ø 8x20.20	24-60
8.00-Z8	3.8	ø 8.0x	. 50
8.03	3.3	ø 10	32-100
8.04-0.01	3.5	ø 8.04	28-70
8.07	3.3	ø 10	25-80
8.50-H9	4.5	ø 10	18-80
9.05-H9	6	ø 10	30-60
9.10	3.9	ø 9.1	
9.50-P9	2.65	ø 10x18.80	34-80
9.53 (3/8 ")	1.6	ø 15.81x15.48 (Rechteckig)	16-60
9.55 (3/8 ")	2.4	ø 9.55	30-45
9.95	3.5	ø 9.95	34-80
10.0	5.5	ø 10	32-85
10.00+0.10/+0.15	3	ø 10x18.70	35-90
10.00+0.10/+0.20	3	ø 10x18.70	35-90
10.00-D9	3.3	ø 10x22.40	32-100
10.00-H7	3.5	ø 10	40-110
10.00-H7	3.5	ø 10	30-80
10.00-H7	3.5	ø 10	25-50
10.00-H7	3.5	ø 10x21.5	40-110
10.00-H7	3.5	ø 10x22.2	30-80
10.00-H7	3.5	ø 12x24.40	24-60
10.00-H7	3.5	ø 12x24.40	36-90

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
10.00-H7	3.5	ø 12x24.60	36-90
10.00-H7	4.5	ø 10x24.30	24-70
10.00-H9	3.3	ø 10	20-50
10.00-H9	3.5	ø 10	40-100
10.00-H9	3.5	ø 10	40-110
10.00-H9	3.3	ø 10	24-70
10.00-H9	3.7	ø 10	45-105
10.00-H9	3.7	ø 10	37.5-105
10.00-H9	3.7	ø 12	37.5-105
10.00-H9	3.5	ø 10x24.3	28-70
10.00-H9	2	ø 10x18.75	34-80
10.00-H9	5.75	ø 10x21.00	34-80
10.00-H9	4.8	ø 10x21.10	30-86
10.00-H9	3.3	ø 10x21.50	40-100
10.00-H9	4.6	ø 10x20.50	34-80
10.00-J8	3.8	ø 10x21.00	25-50
10.00-J8	4.5	ø 8x20.00	30-80
10.00-JS9	3.5	ø 10	40-110
10.00-K8	6	ø 10	32-80
10.00-M7	4.6	ø 10	32-90
10.00-M7	3.7	ø 10x22.30	18-120
10.00-P9	3.5	ø 10	40-110
10.00-P9	3.3	ø 10	20-50
10.00-P9	3.5		30-80
10.00-P9	4.1	ø 10	. 63
10.00-P9	2.4	ø 10	34-80
10.00-P9	3.3	ø 10	24-70
10.00-P9	3.3 0/+0.2	ø 12x24.60	20-60
10.00-P9	3.5	ø 12x24.40	36-90
10.00-P9	4.3	ø 10x18.70	34-80
10.00-P9	3.3	ø 10x21.60	40-110
10.00-P9	1.8	ø 10x25.50	30-80
10.00-P9	2.5	ø 10x27.90	30-80
10.00-P9	3.5	ø 12x25.70	25-55
10.05	8.6	ø 10	2 25
10.05-0.01	3.5	ø 10.05	40-110
10.10-H7	3.3	ø 10.1	18-40
11.00-M7	4.8	ø 12x25.00	36-120
11.00-P9	2.4	ø 12x22.70	38-110
12.0	4	ø 12	36-90
12.00-H7	3.8	ø 12	36-90
12.00-H7	3.5	ø 14x29.35	24-60
12.00-H7	3.5	ø 14x29.40	36-90
12.00-H7	3.5	ø 14x29.60	36-90
12.00-H9	3.7	ø 12	45-120

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
12.00-H9	3.3	ø 12	20-50
12.00-H9	3.5	ø 12	30-80
12.00-H9	5.85	ø 12x24.0	20-50
12.00-H9	3.5	ø 12x29.4	28-70
12.00-H9	2.7	ø 12x37.00	30-80
12.00-J8	3.3	ø 12	32-100
12.00-J8	3.3	ø 14x27.50	25-80
12.00-J8	2.4	ø 14x22.70	38-110
12.00-J8	3.3	ø 14x27.40	25-80
12.00-JS9	33	ø 12x28.50	20-50
12.00-K8	4	ø 12	36-90
12.00-M7	2.7	ø 12x36.40	16-80
12.00-M7	4.7	ø 12x25.00	36-110
12.00-M7	2	ø 12x22.70	40-110
12.00-P9	3.5	ø 12	30-80
12.00-P9	3.5	ø 12	40-60
12.00-P9	3.5	ø 12	40-110
12.00-P9	3.8	ø 12	36-90
12.00-P9	3.4	ø 12	. 80
12.00-P9	3.5	ø 14x29.40	24-60
12.00-P9	3.5	ø 14x29.40	36-90
12.00-P9	4.1	ø 12x17.10	38-110
12.00-P9	4	ø 12x17.30	20-50
12.00-P9	2.3	ø 14x26.30	30-70
12.00-P9	2.5	ø 12x22.70	38-110
12.00-P9	2.4	ø 12x22.80	38-110
12.00-P9	2.4	ø 12x27.40	40-160
12.00-P9	3.3	ø 14x29.60	20-60
12.02 0/+0.01	2.3	ø 12.03	125
12.70-P9 (1/2")	3.5	ø 14	38-110
13.1	3.8	ø 14	20-50
14.00-0.04	4	ø 16	32-80
14.00-H7	3.8	ø 14	20-60
14.00-H7	4.3	ø 14	32.5-78
14.00-H7	3.6	ø 14x30.5	120-150
14.00-H7	3.6	ø 14x30.4	120-150
14.00-H7	4	ø 16x30.15	24-60
14.00-H7	4	ø 16x30.20	32-80
14.00-H7	4	ø 16x25.0	24-60
14.00-H7	4	ø 14x30.2	24-60
14.00-H9	4.2	ø 18	24-60
14.00-H9	4.2	ø 14	37.5-105
14.00-H9	4.2	ø 18x42.8	24-60
14.00-H9	3.8	ø 14x30.2	18-36
14.00-H9	2.6	ø 14x39.10	30-100

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
14.00-H9	3	ø 14x42.00	30-100
14.00-J8	3.8	ø 14x27.8	25-80
14.00-J8	3.8	ø 14x27.80	25-80
14.00-JS9	4	ø 14	40-120
14.00-P9	3.8	ø 14	36-110
14.00-P9	4	ø 16	24-60
14.00-P9	5	ø 14	. 90
14.00-P9	4	ø 16	32-80
14.00-P9	3.8	ø 16x27.8	36-125
14.00-P9	4	ø 16x30.20	24.60
14.00-P9	2	ø 14x24.30	40-110
14.00-P9	2.8	ø 14x24.40	40-100
14.00-P9	2.7	ø 14x25.30	40-110
14.05-0.01	4	ø 14.05	40-120
14.52	3.5	ø 18	5-12.3
15.08	3.4	ø 16x35.4	25-70
15.875-H9 (5/8")	4.2	ø 16	. 100
16.00-H7	4.3	ø 16	40-110
16.00-H7	4.5	ø 18	30-75
16.00-H7	4.1	ø 16	50-125
16.00-H7	4.3 + 0.2	ø 16	40-110
16.00-H7	4.5	ø 16x33.85	56-150
16.00-H7	4.1	ø 16x34.8	50-125
16.00-H7	4.5	ø 16x37.8	24-60
16.00-H7	3.2	ø 16x35.00	40-100
16.00-H7	3.5	ø 16x34.40	45-144
16.00-H9	4.2	ø 16	45-135
16.00-H9	9.5	ø 20x41.5	10-30
16.00-JS9	4.5	ø 16	56-150
16.00-M7	3.3	ø 16x26.80	40-110
16.00-P9	4.3	ø 16	25-80
16.00-P9	4.1	ø 16	50-150
16.00-P9	4.5	ø 18	24-60
16.00-P9	4	ø 16	30-85
16.00-P9	4.3	ø 18	32-100
16.00-P9	2.3	ø 16x25.8	40-110
16.00-P9	3.2	ø 16x26.8	40-110
16.00-P9	2.2	ø 16x25.70	40-110
16.05-0.01	4.5	ø 16.05	56-150
17.0	3.5	ø 17	34-80
17.0 +0.02	5.3	ø 17	34-85
18.0-0.01	4.4	ø 18	40-140
18.00-H7	2.4	ø 18	44-110
18.00-H7	4.6	ø 20	30-75
18.00-H7	4.6	ø 20	24-60

Abmessung	Info / Zähnezahl	Ausgangsbohrung	Räumlänge mm
18.00-H7	4.6	ø 18x38.05	24-60
18.00-H7	4.5	ø 18x39	50-125
18.00-H8	5.3	ø 18x38.00	56-140
18.00-H9	5.3	ø 18	45-135
18.00-J9	4.4	ø 18	44-110
18.00-JS9	5.3	ø 18	45-135
18.00-P9	4.3	ø 18	40-160
18.00-P9	4.4	ø 18	40-140
18.00-P9	4.6	ø 20	24-60
18.00-P9	4.6	ø 20	30-75
18.00-P9	1.9	ø 18	45-140
18.00-P9	4.4	ø 20x35.2	25-80
18.00-P9	3.4	ø 18x28.60	45-140
19.02-H7	4.4	ø 19.03	30-160
19.03-H7	4.4	ø 19.04	30-160
19.94 (19.84+0.12)	4.8	ø 19.94	44-146
20.0	6.3	ø 20	36-90
20.0-H8	4.8	ø 20	48-120
20.0-H9	3.65	ø 20	16-40
20.0-H9	6.3	ø 20	45-135
20.0-H9	5.1	ø 22	20-50
20.0-H9	4	ø 20	40-140
20.0-P9	4.8	ø 20	48-120
20.0-P9	4.9	ø 20	45-110
20.00-P9	4	ø 20x31.20	40-140
20.00-P9	2	ø 20x29.15	45-140
21.0-H9	3.5	ø 21	36-125
22.0-H7	5.6	ø 22	60-160
22.0-P9	3.2	ø 22x43.55	30-100
24.0-H7	5.4 (2.4)	ø 24	48-120
24.0-H9	2.1	ø 24	45-80
24.0-P9	5.4 (2.4)	ø 24	48-120
24.00-H9	1.9	ø 24x38.70	46-170
24.00-H9	3.1	ø 24x39.90	46-170
24.00-P9	2	ø 24x38.70	46-170
24.00-P9	3.2	ø 24x40.00	46-170
25.0-H9	7.3	ø 25	45-105
25.4 (1")	3.23	ø 25.4	30-160
26.0-F9	4.5	ø 26x44.5	
26.00-F9	4.5	ø 26x44.50	36-100
28.0-H9	8.3	ø 28	45-105
40.0-H7	5.6	ø 40	25-80