































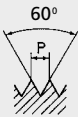
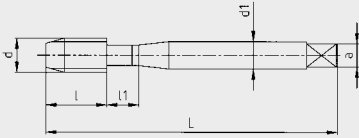
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UNC...



# DIN 371/376



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



105/4

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131/3



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DIN 376

DIN 371

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-2B

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-2B

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B/4

B/4

C/2.5

C/2.5

L	l	l1	l	l1	d1	a	d Nom.	d P <sup>(TP)</sup>	mm
45	9		9		2.8	2.1	2.184	<b>2 - 56 UNC</b>	1.8
50	9		9		2.8	2.1	2.515	<b>3 - 48 UNC</b>	2
56	11	9	7	9	3.5	2.7	2.845	<b>4 - 40 UNC</b>	2.3
56	11	9	7	9	3.5	2.7	3.175	<b>5 - 40 UNC</b>	2.6
56	13	10	8	10	4	3	3.505	<b>6 - 32 UNC</b>	2.7
63	13	11	8	11	4.5	3.4	4.166	<b>8 - 32 UNC</b>	3.4
70	16	13	9	13	6	4.9	4.826	<b>10 - 24 UNC</b>	3.8
80	19	14	13	17	7	5.5	6.35	<b>1/4 - 20 UNC</b>	5.1
90	22	15	15	19	8	6.2	7.938	<b>5/16 - 18 UNC</b>	6.5
100	24	15	16	21	10	8	9.525	<b>3/8 - 16 UNC</b>	7.9
100	24		18		8	6.2	11.112	<b>7/16 - 14 UNC</b>	9.3
110	29		20		9	7	12.7	<b>1/2 - 13 UNC</b>	10.7
110	32		22		12	9	15.875	<b>5/8 - 11 UNC</b>	13.5
125	34		25		14	11	19.05	<b>3/4 - 10 UNC</b>	16.5
140	34		28		18	14.5	22.225	<b>7/8 - 9 UNC</b>	19.3
160	38		31		18	14.5	25.4	<b>1 - 8 UNC</b>	22.25

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
68601	●			68650	●		
68602	○			68651	○		
68603	●			68652	●		
68604	○			68653	○		
68605	●			68654	●		
68606	●			68655	●		
68607	●			68656	●		
68609	●			68658	●		
68610	●			68659	●		
68611	●			68660	●		
		68612	●			68661	●
		68613	●			68662	●
		68615	●			68664	●
		68616	●			68665	●
		68617	●			68666	●
		68618	●			68667	●

### D

**105/4 Gelbring**  
**131/3 Gelbring**

**Speziell geeignet für G20 Kupfer, G21 Hartmessing (Ms 58, kurzspanend), G22 Weichmessing (Ms 63, langspanend), G23 Rotguss, G24 Guss-Zinnbronze, G25 Aluminium-Knetlegierungen, G29 Magnesium-Knetlegierungen, G34 Thermoplaste Kunststoffe**

### F

**105/4 Anneau jaune**  
**131/3 Anneau jaune**

**Spécialement conçu pour G20 cuivre, G21 laiton dur (Ms 58, copeaux courts), G22 laiton tendre (Ms 63, copeaux longs), G23 laiton rouge, G24 bronze au zinc, G25 alliages corroyés d'aluminium, G29 alliages corroyés de magnésium, G34 matières thermoplastiques**

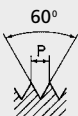
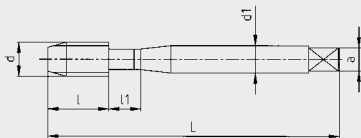
### E

**105/4 Yellow ring**  
**131/3 Yellow ring**

**Specific suitable for G20 copper, G21 hard brass (Ms 58, short chipping), G22 soft brass (Ms 63, long chipping), G23 red brass, G24 phosphor bronze, G25 wrought alloy of aluminium, G29 wrought alloy of magnesium, G34 thermoplastic compounds/synthetics**



# DIN 371/376



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



105/4

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DIN 371

DIN 376

-2B

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-2B

-2B

B/4

B/4

C/2.5

C/2.5

L	l	l1	l	l1	d1	a	d Nom.	d P <sup>(TP)</sup>	mm
45	9		9		2.8	2.1	2.184	<b>2 - 56 UNC</b>	1.8
50	9		9		2.8	2.1	2.515	<b>3 - 48 UNC</b>	2
56	11	9	7	9	3.5	2.7	2.845	<b>4 - 40 UNC</b>	2.3
56	11	9	7	9	3.5	2.7	3.175	<b>5 - 40 UNC</b>	2.6
56	13	10	8	10	4	3	3.505	<b>6 - 32 UNC</b>	2.7
63	13	11	8	11	4.5	3.4	4.166	<b>8 - 32 UNC</b>	3.4
70	16	13	11	13	6	4.9	4.826	<b>10 - 24 UNC</b>	3.8
80	19	14	13	17	7	5.5	6.35	<b>1/4 - 20 UNC</b>	5.1
90	22	15	15	19	8	6.2	7.938	<b>5/16 - 18 UNC</b>	6.5
100	24	15	16	21	10	8	9.525	<b>3/8 - 16 UNC</b>	7.9
100	24		18		8	6.2	11.112	<b>7/16 - 14 UNC</b>	9.3
110	29		20		9	7	12.7	<b>1/2 - 13 UNC</b>	10.7
110	32		22		12	9	15.875	<b>5/8 - 11 UNC</b>	13.5
125	34		25		14	11	19.05	<b>3/4 - 10 UNC</b>	16.5
140	34		28		18	14.5	22.225	<b>7/8 - 9 UNC</b>	19.3
160	38		30		18	14.5	25.4	<b>1 - 8 UNC</b>	22.25

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
69611	●			69650	●		
69612	△			69651	△		
69613	●			69652	●		
69614	○			69653	○		
69615	●			69654	●		
69616	●			69655	●		
69617	●			69656	●		
69619	●			69658	●		
69620	●			69659	●		
69621	●			69660	●		
	69622	●			69661	●	
	69623	●			69662	●	
	69625	●			69664	●	
	69626	●			69665	●	
	69627	○			69666	○	
	69628	●			69667	●	

**D**

### 105/4 Schwarzring

### 131/3 Schwarzring

Speziell geeignet für G01 Baustähle < 1000 N/mm<sup>2</sup>, G03 Einsatzstähle < 1000 N/mm<sup>2</sup>,

G08 Werkzeugstähle, G10 Rostfreie Cr-Stähle, geschwefelt, G13 Automatenstähle, G14 Stahlguss < 1000 N/mm<sup>2</sup>

**F**

### 105/4 Anneau noir

### 131/3 Anneau noir

Spécialement conçu pour G01 aciers de construction < 1000 N/mm<sup>2</sup>, G03 aciers de cémentation < 1000 N/mm<sup>2</sup>, G08 aciers à outils, G10 aciers inoxydables Cr, sulfuré, G13 aciers de décolletage, G14 aciers moulés < 1000 N/mm<sup>2</sup>

**E**

### 105/4 Black ring

### 131/3 Black ring

Specific suitable for G01 structural steels < 1000 N/mm<sup>2</sup>, G03 case hardening steels < 1000 N/mm<sup>2</sup>, G08 carbon tool steels, G10 Cr stainless steels, sulphured, G13 free-cutting steels, G14 cast steels < 1000 N/mm<sup>2</sup>



**FLOYD**

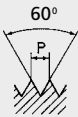
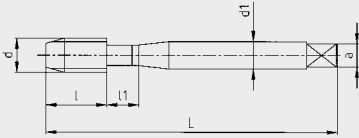
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UNC...



# DIN 371/376



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



105/4

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131/3

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DIN 376

DIN 371

DIN 376

-2B

-2B

-2B

-2B

B/4

B/4

C/2.5

C/2.5

L	105/4		131/3		d <sub>1</sub>	a	d Nom.	d P <sup>(TP)</sup>	mm
	l	l <sub>1</sub>	l	l <sub>1</sub>					
45	9		9		2.8	2.1	2.184	<b>2 - 56 UNC</b>	1.8
56	11	9	7	7	3.5	2.7	2.845	<b>4 - 40 UNC</b>	2.3
56	13	10	8	10	4	3	3.505	<b>6 - 32 UNC</b>	2.7
63	13	11	8	11	4.5	3.4	4.166	<b>8 - 32 UNC</b>	3.4
70	16	13	11	13	6	4.9	4.826	<b>10 - 24 UNC</b>	3.8
80	19	14	13	17	7	5.5	6.350	<b>1/4 - 20 UNC</b>	5.1
90	22	15	15	19	8	6.2	7.938	<b>5/16 - 18 UNC</b>	6.5
100	24		16	21	10	8	9.525	<b>3/8 - 16 UNC</b>	7.9
100	24		18		8	6.2	11.113	<b>7/16 - 14 UNC</b>	9.3
110	29		20		9	7	12.700	<b>1/2 - 13 UNC</b>	10.7
110	32		22		12	9	15.875	<b>5/8 - 11 UNC</b>	13.5
125	34		25		14	11	19.050	<b>3/4 - 10 UNC</b>	16.5
140	34		28		18	14.5	22.225	<b>7/8 - 9 UNC</b>	19.3
160	38		30		18	14.5	25.400	<b>1 - 8 UNC</b>	22.25

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
11674	●			86290	●		
11676	●			86304	●		
11678	●			86312	●		
11679	●			86320	●		
11682	●			86339	●		
				86347	●		
11684	●			86355	●		
						86363	●
		11686	●			86371	●
		11688	●			86398	●
		11689	●			86401	●
						86428	○
						86436	●

### D

**105/4 Blauring**

**131/3 Blauring**

**Speziell geeignet für G07** Nitrierstähle, **G09** Hitzebeständige Stähle, **G11** Rostfreie Cr-Stähle, ferritisch und martensitisch, **G12** Rostfreie Cr-Ni Stähle, austenitisch, **G31** Nickellegierungen, **G32** Titan und Titanlegierungen

### F

**105/4 Anneau bleu**

**131/3 Anneau bleu**

**Spécialement conçu pour G07** aciers pour nitruration, **G09** aciers réfractaires, **G11** aciers inoxydables Cr, ferritique et martensitique, **G12** aciers inoxydables Cr-Ni, austénitique, **G31** alliages de nickel, **G32** titane et alliages de titane

### E

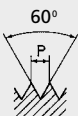
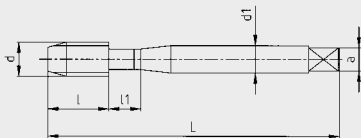
**105/4 Blue ring**

**131/3 Blue ring**

**Specific suitable for G07** nitriding steels, **G09** heat resisting steels, **G11** Cr stainless steels, ferritic and martensitic, **G12** Cr-Ni stainless steels, austenitic, **G31** alloy of nickel, **G32** titanium and alloy of titanium



# DIN 371/376



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



105/4

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DIN 376

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-2B

-2B

-2B

B/4

B/4

C/2.5

C/2.5

L	105/4		131/3		d <sub>1</sub>	a	d Nom.	d P <sup>(TP)</sup>	mm
	l	l <sub>1</sub>	l	l <sub>1</sub>					
45	9		9		2.8	2.1	2.184	<b>2 - 56 UNC</b>	1.8
56	11	9	7	7	3.5	2.7	2.845	<b>4 - 40 UNC</b>	2.3
56	13	10	8	10	4	3	3.505	<b>6 - 32 UNC</b>	2.7
63	13	11	8	11	4.5	3.4	4.166	<b>8 - 32 UNC</b>	3.4
70	16	13	11	13	6	4.9	4.826	<b>10 - 24 UNC</b>	3.8
80	19	14	13	17	7	5.5	6.350	<b>1/4 - 20 UNC</b>	5.1
90	22	15	15	19	8	6.2	7.938	<b>5/16 - 18 UNC</b>	6.5
100	24		16	21	10	8	9.525	<b>3/8 - 16 UNC</b>	7.9
100	24		18		8	6.2	11.113	<b>7/16 - 14 UNC</b>	9.3
110	29		20		9	7	12.700	<b>1/2 - 13 UNC</b>	10.7
110	32		22		12	9	15.875	<b>5/8 - 11 UNC</b>	13.5
125	34		25		14	11	19.050	<b>3/4 - 10 UNC</b>	16.5
140	34		28		18	14.5	22.225	<b>7/8 - 9 UNC</b>	19.3
160	38		30		18	14.5	25.400	<b>1 - 8 UNC</b>	22.25

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
85839	○			86452	○		
85847	○			86460	○		
85855	●			86479	●		
85863	●			86487	●		
85871	●			86495	●		
85898	●			86509	●		
85901	○			86517	○		
85928	●			86525	●		
		85936	○			86533	○
		85944	●			86541	●
		85952	●			86568	●
		85960	●			86576	●
						86584	△
						86592	●

**D**

**105/4 Rotring**  
**131/3 Rotring**

**Speziell geeignet für G02** Baustähle > 900

N/mm<sup>2</sup>, **G04** Einsatzstähle > 900 N/mm<sup>2</sup>,

**G05** Vergütungsstähle < 1000 N/mm<sup>2</sup>,

**G06** Vergütungsstähle > 900 N/mm<sup>2</sup>, **G15**

Stahlguss > 900 N/mm<sup>2</sup>, **G35** HoStockeste

Feinkornbaustähle

**F**

**105/4 Anneau rouge**  
**131/3 Anneau rouge**

**Spécialement conçu pour G02** aciers de

construction > 900 N/mm<sup>2</sup>, **G04** aciers de cémenta-

tion > 900 N/mm<sup>2</sup>, **G05** aciers d'amélioration

< 1000 N/mm<sup>2</sup>, **G06** aciers d'amélioration > 900

N/mm<sup>2</sup>, **G15** aciers moulés > 900 N/mm<sup>2</sup>,

**G35** Aciers de construction à haute résistance et

à grains fins

**E**

**105/4 Red ring**  
**131/3 Red ring**

**Specific suitable for G02** structural steels

> 900 N/mm<sup>2</sup>, **G04** case hardening steels

> 900 N/mm<sup>2</sup>, **G05** heat treatable steels

< 1000 N/mm<sup>2</sup>, **G6** heat treatable steels > 900

N/mm<sup>2</sup>, **G15** cast steels > 900 N/mm<sup>2</sup>,

**G35** High strength structural steels fine grained



**FLOYD**

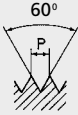
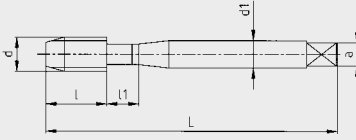
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UNC...



# DIN 371/376



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		131/3		d <sub>1</sub>	a	d Nom.	d P <sup>(TP)</sup>	mm
	l	l <sub>1</sub>	l	l <sub>1</sub>					
63	13	8	7	13	4.5	3.4	3.67	<b>4 - 40 UNC</b>	3.1
70	14	10	8	15	6	4.9	4.536	<b>6 - 32 UNC</b>	3.8
80	16	12	8	16	6	4.9	5.197	<b>8 - 32 UNC</b>	4.4
80	17	13	10	19	7	5.5	6.2	<b>10 - 24 UNC</b>	5.2
90	20	15	14	24	8	6.2	8.001	<b>1/4 - 20 UNC</b>	6.7
100	22	17	16	25	10	8	9.771	<b>5/16 - 18 UNC</b>	8.4
110	22	-	16	-	9	7	11.587	<b>3/8 - 16 UNC</b>	10
110	26	-	20	-	11	9	13.47	<b>7/16 - 14 UNC</b>	11.6
110	27	-	22	-	12	9	15.237	<b>1/2 - 13 UNC</b>	13.3
110	26	-	22	-	14	11	17.038	<b>9/16 - 12 UNC</b>	14.9
125	30	-	25	-	14	11	18.875	<b>5/8 - 11 UNC</b>	16.5
140	32	-	27	-	18	14.5	22.349	<b>3/4 - 10 UNC</b>	19.75

105/4 Ultra  
EG HSS-E

105/4 Ultra  
EG HSS-E

131/3 Ultra  
EG HSS-E

131/3 Ultra  
EG HSS-E



DIN 371

DIN 376

DIN 371

DIN 376

-2B

-2B

-2B

-2B

B/4

B/4

C/2.5

C/2.5

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
11716	○			11731	○		
				11732	○		
11717	○			11733	○		
11718	○			11734	○		
11719	○			11735	○		
11720	○			11736	○		
		11721	△			11737	△
		11722	○			11739	○
		11723	△			11740	△
		11724	△			11741	△
		11725	△			11742	△

### D

105/4 Ultra EG

131/3 Ultra EG

**Speziell geeignet für G01** Baustähle <1000 N/mm<sup>2</sup>, **G03** Einsatzstähle <1000 N/mm<sup>2</sup>,

**G05** Vergütungsstähle <1000 N/mm<sup>2</sup>, **G08** Werkzeugstähle, **G13** Automatenstähle, **G14** Stahlguss <1000 N/mm<sup>2</sup>, **G21** Hartmessing (Ms 58, kurzspanend), **G22** Weichmessing (Ms 63, langspanend), **G25** Aluminium-Knetlegierungen, **G29** Magnesium-Knetlegierungen, **G34** Thermoplaste Kunststoffe

Geht auch für G07, G10, G11, G12, G16, G17, G18, G19, G23, G26, G27, G28 und G30

Siehe Seite 9

### F

105/4 Ultra EG

131/3 Ultra EG

**Spécialement conçu pour G01** aciers de construction <1000 N/mm<sup>2</sup>, **G03** aciers de cimentation <1000 N/mm<sup>2</sup>, **G05** aciers d'amélioration <1000 N/mm<sup>2</sup>, **G08** aciers à outils, **G13** aciers de décolletage, **G14** aciers moulés <1000 N/mm<sup>2</sup>, **G21** laiton dur (Ms 58, copeaux courts), **G22** laiton tendre (Ms 63, copeaux longs), **G25** alliages corroyés d'aluminium, **G29** alliages corroyés de magnésium, **G34** matières thermoplastiques

Conçu aussi pour G07, G10, G11, G12, G16, G17, G18, G19, G23, G26, G27, G28 et G30

Voir page 9

### E

105/4 Ultra EG

131/3 Ultra EG

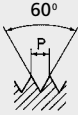
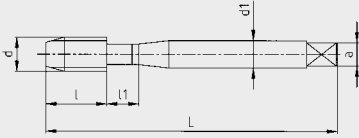
**Specific suitable for G01** structural steels <1000 N/mm<sup>2</sup>, **G03** case hardening steels <1000 N/mm<sup>2</sup>, **G05** heat treatable steels <1000 N/mm<sup>2</sup>, **G08** carbon tool steels, **G13** free-cutting steels, **G14** cast steels <1000 N/mm<sup>2</sup>, **G21** hard brass (Ms 58, short chipping), **G22** soft brass (Ms 63, long chipping), **G25** wrought alloy of aluminium, **G29** wrought alloy of magnesium, **G34** thermoplastic compounds/synthetics

Goets also for G07, G10, G11, G12, G16, G17, G18, G19, G23, G26, G27, G28 and G30

See page 9



# DIN 371/374



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		131/3		d1	a	d Nom.	d P <sup>(TP)</sup>	
	l	l1	l	l1					
56	11	7	10	3.5	2.7	3.175	<b>5 - 44 UNF</b>	2.60	
56	13	8	11	4	3	3.505	<b>6 - 40 UNF</b>	2.9	
63	13	8	13	4.5	3.4	4.166	<b>8 - 36 UNF</b>	3.5	
70	16	9	16	6	4.9	4.826	<b>10 - 32 UNF</b>	4.00	
80	16	9	17	6	4.9	5.486	<b>12 - 28 UNF</b>	4.6	
80	19	10	20	7	5.5	6.350	<b>1/4 - 28 UNF</b>	5.4	
90	22	11	24	8	6.2	7.938	<b>5/16 - 24 UNF</b>	6.9	
100	24	13	25	10	8	9.525	<b>3/8 - 24 UNF</b>	8.4	
100	22	13		8	6.2	11.112	<b>7/16 - 20 UNF</b>	9.9	
100	22	15		9	7	12.700	<b>1/2 - 20 UNF</b>	11.5	
100	22	17		12	9	15.875	<b>5/8 - 18 UNF</b>	14.5	
125	29	20		14	11	19.050	<b>3/4 - 16 UNF</b>	17.4	

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131/3

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DIN 374

-2B

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-2B

-2B

B/4

B/4

C/2.5

C/2.5

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
71752	●			71801	●		
71753	●			71802	●		
71754	●			71803	●		
71755	●			71804	●		
71756	●			71805	●		
71757	●			71806	●		
71758	●			71807	●		
		71759	●			71808	●
		71760	●			71809	●
						71811	●
						71812	●

UNC...

### D

105/4 Gelbring

131/3 Gelbring

Speziell geeignet für G20 Kupfer, G21

Hartmessing (Ms 58, kurzspanend), G22 Weich-

messing (Ms 63, langspanend), G23 Rotguss,

G24 Guss-Zinnbronze, G25 Aluminium-Knet-

legierungen, G29 Magnesium-Knetlegierungen,

G34 Thermoplaste Kunststoff

### F

105/4 Anneau jaune

131/3 Anneau jaune

Spécialement conçu pour G20 cuivre,

G21 laiton dur (Ms 58, copeaux courts),

G22 laiton tendre (Ms 63, copeaux longs),

G23 laiton rouge, G24 bronze au zinc, G25 al-

liages corroyés d'aluminium, G29 alliages corroyés

de magnésium, G34 matières thermoplastiques

### E

105/4 Yellow ring

131/3 Yellow ring

Specific suitable for G20 copper, G21 hard

brass (Ms 58, short chipping), G22 soft brass

(Ms 63, long chipping), G23 red brass,

G24 phosphor bronze, G25 wrought alloy of

aluminium, G29 wrought alloy of magnesium,

G34 thermoplastic compounds/synthetics



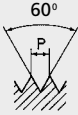
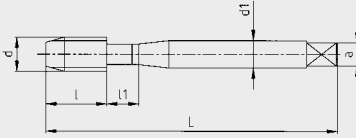
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# DIN 371/374



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		131/3		d1	a	d Nom.	d P <sup>(TP)</sup>	
	l	l1	l	l1					
56	11	7	10	3.5	2.7	3.175	<b>5 - 44 UNF</b>	2.60	
56	13	8	11	4	3	3.505	<b>6 - 40 UNF</b>	2.9	
63	13	8	13	4.5	3.4	4.166	<b>8 - 36 UNF</b>	3.5	
70	16	9	16	6	4.9	4.826	<b>10 - 32 UNF</b>	4.00	
80	16	9	17	6	4.9	5.486	<b>12 - 28 UNF</b>	4.6	
80	19	10	20	7	5.5	6.350	<b>1/4 - 28 UNF</b>	5.4	
90	22	11	24	8	6.2	7.938	<b>5/16 - 24 UNF</b>	6.9	
100	24	13	25	10	8	9.525	<b>3/8 - 24 UNF</b>	8.4	
100	22	13		8	6.2	11.112	<b>7/16 - 20 UNF</b>	9.9	
100	22	15		9	7	12.700	<b>1/2 - 20 UNF</b>	11.5	
100	22	17		12	9	15.875	<b>5/8 - 18 UNF</b>	14.5	
125	29	20		14	11	19.050	<b>3/4 - 16 UNF</b>	17.4	

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DIN 374

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DIN 374

-2B

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-2B

-2B

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B/4

C/2.5

C/2.5

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
71901	△			71950	△		
71902	△			71951	△		
71903	△			71952	△		
71904	●			71953	●		
71905	○			71954	○		
71906	●			71955	●		
71907	○			71956	○		
71908	●			71957	●		
		71909	○			71958	○
		71910	●			71959	●
		71912	△			71961	△
		71913	△			71962	△

**D**

**105/4 Schwarzing**

**131/3 Schwarzing**

Speziell geeignet für **G01** Baustähle < 1000 N/mm<sup>2</sup>, **G03** Einsatzstähle < 1000 N/mm<sup>2</sup>,

**G08** Werkzeugstähle, **G10** Rostfreie Cr-Stähle, geschwefelt, **G13** Automatenstähle, **G14** Stahlguss < 1000 N/mm<sup>2</sup>

**F**

**105/4 Anneau noir**

**131/3 Anneau noir**

Spécialement conçu pour **G01** aciers de construction < 1000 N/mm<sup>2</sup>, **G03** aciers de cémentation < 1000 N/mm<sup>2</sup>, **G08** aciers à outils, **G10** aciers inoxydables Cr, sulfuré, **G13** aciers de décolletage, **G14** aciers moulés < 1000 N/mm<sup>2</sup>

**E**

**105/4 Black ring**

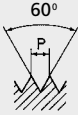
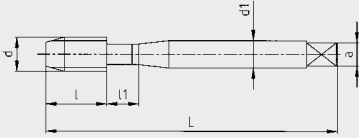
**131/3 Black ring**

Specific suitable for **G01** structural steels < 1000 N/mm<sup>2</sup>, **G03** case hardening steels < 1000 N/mm<sup>2</sup>, **G08** carbon tool steels, **G10** Cr stainless steels, sulphured, **G13** free-cutting steels, **G14** cast steels < 1000 N/mm<sup>2</sup>





# DIN 371/374



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4 l	131/3 l	131/3 l1	d1	a	d Nom.	d P <sup>(TP)</sup>	
40	8			2.5	2.1	1.524	<b>0 - 80 UNF</b>	1.2
40	8			2.5	2.1	1.854	<b>1 - 72 UNF</b>	1.5
45	9	9		2.8	2.1	2.184	<b>2 - 64 UNF</b>	1.8
70	16	9	16	6	4.9	4.826	<b>10 - 32 UNF</b>	4
80	19	10	20	7	5.5	6.350	<b>1/4 - 28 UNF</b>	5.4
90	22	11	24	8	6.2	7.938	<b>5/16 - 24 UNF</b>	6.9
100	24	13	25	10	8	9.525	<b>3/8 - 24 UNF</b>	8.4
100	22	13		8	6.2	11.112	<b>7/16 - 20 UNF</b>	9.9
100	22	15		9	7	12.700	<b>1/2 - 20 UNF</b>	11.5
100	22	17		12	9	15.875	<b>5/8 - 18 UNF</b>	14.5
125	29	20		14	11	19.050	<b>3/4 - 16 UNF</b>	17.4
140	34	22		18	14.5	22.225	<b>7/8 - 14 UNF</b>	20.4
140	34	24		18	14.5	25.400	<b>1 - 12 UNF</b>	23.25

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131/3

131/3



DIN 371

DIN 374

DIN 371

DIN 374

-2B

-2B

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-2B

B/4

B/4

C/2.5

C/2.5

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
11976	○						
11977	○						
11978	●						
11985	●			87173	●		
11987	●			87203	●		
11988	○			87211	●		
11989	●			87238	●		
						87246	○
		11992	●			87254	●
		11993	○			87270	●
		11994	○			87289	●
						87297	○
						87300	○

UNC...

## D

**105/4 Blauring**  
**131/3 Blauring**

**Speziell geeignet für G07** Nitrierstähle, **G09** Hitzebeständige Stähle, **G11** Rostfreie Cr-Stähle, ferritisch und martensitisch, **G12** Rostfreie Cr-Ni Stähle, austenitisch, **G31** Nickellegierungen, **G32** Titan und Titanlegierungen

## F

**105/4 Anneau bleu**  
**131/3 Anneau bleu**

**Spécialement conçu pour G07** aciers pour nitruration, **G09** aciers réfractaires, **G11** aciers inoxydables Cr, ferritique et martensitique, **G12** aciers inoxydables Cr-Ni, austénitique, **G31** alliages de nickel, **G32** titane et alliages de titane

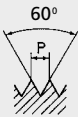
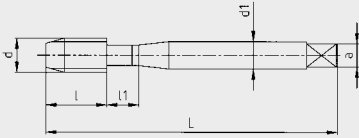
## E

**105/4 Blue ring**  
**131/3 Blue ring**

**Specific suitable for G07** nitriding steels, **G09** heat resisting steels, **G11** Cr stainless steels, ferritic and martensitic, **G12** Cr-Ni stainless steels, austenitic, **G31** alloy of nickel, **G32** titanium and alloy of titanium



# DIN 371/374



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	l	l1	d1	a	d Nom.	d P <sup>(TP)</sup>	
40	8		2.5	2.1	1.524	<b>0 - 80 UNF</b>	1.2
40	8		2.5	2.1	1.854	<b>1 - 72 UNF</b>	1.5
45	9	9	2.8	2.1	2.184	<b>2 - 64 UNF</b>	1.8
70	16	9	6	4.9	4.826	<b>10 - 32 UNF</b>	4
80	19	10	7	5.5	6.350	<b>1/4 - 28 UNF</b>	5.4
90	22	11	8	6.2	7.938	<b>5/16 - 24 UNF</b>	6.9
100	24	13	25	10	8	<b>3/8 - 24 UNF</b>	8.4
100	22	13	8	6.2	11.112	<b>7/16 - 20 UNF</b>	9.9
100	22	15	9	7	12.700	<b>1/2 - 20 UNF</b>	11.5
100	22	17	12	9	15.875	<b>5/8 - 18 UNF</b>	14.5
125	29	20	14	11	19.050	<b>3/4 - 16 UNF</b>	17.4
140	34	22	18	14.5	22.225	<b>7/8 - 14 UNF</b>	20.4
140	34	24	18	14.5	25.400	<b>1 - 12 UNF</b>	23.25

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105/4

131/3

131/3



DIN 371

DIN 374

DIN 371

DIN 374

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-2B

-2B

-2B

B/4

B/4

C/2.5

C/2.5

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
68995	○						
68996	○						
68997	●						
69001	●			69281	●		
69002	●			69282	●		
69003	○			69283	●		
69004	●			69284	●		
		69005	○			69285	○
		69006	●			69286	●
		69007	○			69287	●
		69008	○			69288	●
						69289	○
						69300	○

## D

**105/4 Rotring**  
**131/3 Rotring**

**Speziell geeignet für G02** Baustähle > 900

N/mm<sup>2</sup>, **G04** Einsatzstähle > 900 N/mm<sup>2</sup>,

**G05** Vergütungsstähle < 1000 N/mm<sup>2</sup>,

**G06** Vergütungsstähle > 900 N/mm<sup>2</sup>, **G15**

Stahlguss > 900 N/mm<sup>2</sup>, **G35** HoStockeste

Feinkornbaustähle

## F

**105/4 Anneau rouge**  
**131/3 Anneau rouge**

**Spécialement conçu pour G02** aciers de

construction > 900 N/mm<sup>2</sup>, **G04** aciers de cémenta-

tion > 900 N/mm<sup>2</sup>, **G05** aciers d'amélioration

< 1000 N/mm<sup>2</sup>, **G06** aciers d'amélioration > 900

N/mm<sup>2</sup>, **G15** aciers moulés > 900 N/mm<sup>2</sup>,

**G35** Aciers de construction à haute résistance et

à grains fins

## E

**105/4 Red ring**  
**131/3 Red ring**

**Specific suitable for G02** structural steels

> 900 N/mm<sup>2</sup>, **G04** case hardening steels

> 900 N/mm<sup>2</sup>, **G05** heat treatable steels

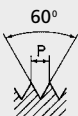
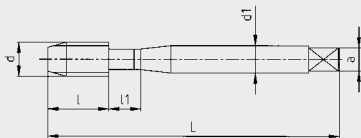
< 1000 N/mm<sup>2</sup>, **G6** heat treatable steels > 900

N/mm<sup>2</sup>, **G15** cast steels > 900 N/mm<sup>2</sup>,

**G35** High strength structural steels fine grained



# DIN 371/374



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		131/3		d <sub>1</sub>	a	d Nom.	d P <sup>(TP)</sup>	mm
	l	l <sub>1</sub>	l	l <sub>1</sub>					
56	9	8	7	13	4	3	3.533	<b>4 - 48 UNF</b>	3
70	11	10	8	15	6	4.9	4.331	<b>6 - 40 UNF</b>	3.7
80	13	12	8	16	6	4.9	5.083	<b>8 - 36 UNF</b>	4.4
80	13	13	8	19	6	4.9	5.857	<b>10 - 32 UNF</b>	5.1
90	17	15	10	24	8	6.2	7.529	<b>1/4 - 28 UNF</b>	6.6
90	18	17	10	25	10	8	9.312	<b>5/16 - 24 UNF</b>	8.25
100	18	26	11	33	8	6.2	10.899	<b>3/8 - 24 UNF</b>	9.8
100	22	-	13	-	9	7	12.764	<b>7/16 - 20 UNF</b>	11.5
100	22	-	15	-	11	9	14.351	<b>1/2 - 20 UNF</b>	13.1
100	22	-	15	-	12	9	16.121	<b>9/16 - 18 UNF</b>	14.7
110	25	-	17	-	14	11	17.709	<b>5/8 - 18 UNF</b>	16.25
125	25	-	17	-	16	12	21.112	<b>3/4 - 16 UNF</b>	19.5

105/4 Ultra EG HSS-E    105/4 Ultra EG HSS-E    131/3 Ultra EG HSS-E    131/3 Ultra EG HSS-E



DIN 371

DIN 374

DIN 371

DIN 374

-2B mod.

-2B mod.

-2B mod.

-2B mod.

B/4

B/4

C/2.5

C/2.5

Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
11251	△			11264	△		
11252	△			12330	△		
11253	○			12331	○		
11254	○			12332	○		
11255	△			12333	△		
		11256	○			11275	○
		11257	△			12334	△
		11259	○			11277	○
		11260	△			12336	△
		11261	△			11279	△
		11262	△				

UNC...

## D

**105/4 Ultra EG**  
**131/3 Ultra EG**

**Speziell geeignet für G21** Hartmessing (Ms 58, kurzspanend), **G22** Weichmessing (Ms 63, langspanend), **G25** Aluminium-Knetlegierungen, **G29** Magnesium-Knetlegierungen, **G34** Thermoplaste Kunststoffe

**Geht auch für G01** Baustähle <1000 N/mm<sup>2</sup>, **G03** Einsatzstähle <1000 N/mm<sup>2</sup>, **G05** Vergütungsstähle <1000 N/mm<sup>2</sup>

## F

**105/4 Ultra EG**  
**131/3 Ultra EG**

**Spécialement conçu pour G21** laiton dur (Ms 58, copeaux courts), **G22** laiton tendre (Ms 63, copeaux longs), **G25** alliages corroyés d'aluminium, **G29** alliages corroyés de magnésium, **G34** matières thermoplastiques

**Conçu aussi pour G01** aciers de construction <1000 N/mm<sup>2</sup>, **G03** aciers de cémentation <1000 N/mm<sup>2</sup>, **G05** aciers d'amélioration <1000 N/mm<sup>2</sup>

## E

**105/4 Ultra EG**  
**131/3 Ultra EG**

**Specific suitable for G21** hard brass (Ms 58, short chipping), **G22** soft brass (Ms 63, long chipping), **G25** wrought alloy of aluminium, **G29** wrought alloy of magnesium, **G34** thermoplastic compounds/synthetics

**Goes also for G01** structural steels <1000 N/mm<sup>2</sup>, **G03** case hardening steels <1000 N/mm<sup>2</sup>, **G05** heat treatable steels <1000 N/mm<sup>2</sup>



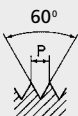
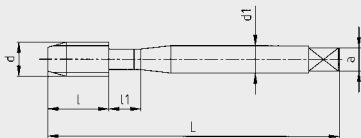
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# DIN 371/374



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		130/3		d1	a	d Nom.	d P <sup>(TP)</sup>	mm
	l	l1	l	l1					
63	16	8			4.5	3.4	4.166	<b>8 - 36 UNJF</b>	3.55
70	16	9			6	4.9	4.826	<b>10 - 32 UNJF</b>	4.15
80	19	10			7	5.5	6.35	<b>1/4 - 28 UNJF</b>	5.55
90	22	11	13		8	6.2	7.938	<b>5/16 - 24 UNJF</b>	7
100	24	13	15	10	8	6.2	9.525	<b>3/8 - 24 UNJF</b>	8.6
100	22	13			8	6.2	11.112	<b>7/16 - 20 UNJF</b>	10
100	22	15			9	7	12.7	<b>1/2 - 20 UNJF</b>	11.5
100	22	17			11	9	14.288	<b>9/16 - 18 UNJF</b>	13

105/4 Aero  
PM



DIN 371

-3BX

B/4-4.5

Art. Stock

12032  $\Delta$

12034 ●

12036 ●

12037 ○

12038 ●

105/4 Aero  
PM



DIN 374

-3BX

B/4-4.5

Art. Stock

12039  $\Delta$

12040 ●

12042 ○

130/3 Aero  
PM



DIN 371

-3BX

C/2.5-3

Art. Stock

12043 ●

12044 ●

12045 ○

130/3 Aero  
PM



DIN 374

-3BX

C/2.5-3

Art. Stock

12046 ●

12047  $\Delta$

12048 ●

**D**

**105/4 Aero**  
**130/3 Aero**

**Speziell geeignet für G09** Hitzebeständige  
Stähle, **G31** Nickellegierungen

**Geht auch für** Werkstoffe mit Zugfestigkeit  
900–1400 N/mm<sup>2</sup>

**F**

**105/4 Aero**  
**130/3 Aero**

**Spécialement conçu pour G09** aciers réfractaires,  
**G31** alliages de nickel

**Conçu aussi pour** des matériaux avec une  
résistance de 900–1400 N/mm<sup>2</sup>

















**E**

**105/4 Aero**  
**130/3 Aero**

**Specific suitable for G09** heat resisting  
steels, **G31** alloy of nickel

**Goes also for** materials with strength of  
extension of 900–1400 N/mm<sup>2</sup>

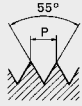
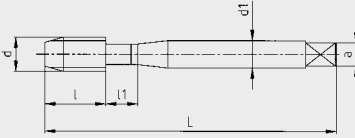
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UNC...



# DIN 5156



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



105/4



DIN 5156

B/4

131/3



DIN 5156

C/2.5

105/3



DIN 5156

C/2.5

L	105/4		131/3		d Nom.	d P <sup>(TR)</sup>	Ø
	l	l	d1	a			
90	20	12	7	5.5	9.728	<b>G 1/8</b> 28	8.7
100	22	16	11	9	13.157	<b>G 1/4</b> 19	11.6
100	22	16	12	9	16.662	<b>G 3/8</b> 19	15
125	25	22	16	12	20.955	<b>G 1/2</b> 14	19
125	25	22	18	14.5	22.911	<b>G 5/8</b> 14	20.75
140	28	24	20	16	26.441	<b>G 3/4</b> 14	24.5
150	28	24	22	18	30.201	<b>G 7/8</b> 14	28
160	30	27	25	20	33.294	<b>G 1</b> 11	30
170	30	27	28	22	37.897	<b>G 1 1/8</b> 11	35
170	30	27	32	24	41.910	<b>G 1 1/4</b> 11	39.5
190	32	27	36	29	47.803	<b>G 1 1/2</b> 11	45
190	32	30	40	32	53.826	<b>G 1 3/4</b> 11	51
220	40	30	45	35	59.614	<b>G 2</b> 11	57

Art.	Stock	Art.	Stock	Art.	Stock
51244	●	51261	●	51501	●
51245	●	51262	●	51502	●
51246	●	51263	●	51503	●
51247	○	51264	○	51504	△
51248	●	51265	●	51505	○
		51266	○	51506	△
51249	●	51267	●	51507	○
51250	○	51268	○		
51251	○	51269	○		
51252	△	51270	△		
51253	△	51271	△		
51243	△	51272	△		

## D

### 105/4 Gelbring 131/3 Gelbring

**Speziell geeignet für G20** Kupfer, **G21** Hartmessing (Ms 58, kurzspanend), **G22** Weichmessing (Ms 63, langspanend), **G23** Rotguss, **G24** Guss-Zinnbronze, **G25** Aluminium-Knetlegierungen, **G29** Magnesium-Knetlegierungen, **G34** Thermoplaste Kunststoffe

### 105/3 Grünring

**Speziell geeignet für G16** Temperguss, **G17** Gusseisen mit Kugelgraphit (Sphäroguss), **G18** Gusseisen mit Lamellengraphit (Grauguss), **G19** Gusseisen mit Vermikulargraphit, **G26** Aluminium-Gusslegierungen Si 0.5%–5%, **G27** Aluminium-Gusslegierungen Si 5%–10%, **G28** Aluminium-Gusslegierungen Si > 10%, **G30** Magnesium-Gusslegierungen, **G33** Ferro-Tic

## F

### 105/4 Anneau jaune 131/3 Anneau jaune

**Spécialement conçu pour G20** cuivre, **G21** laiton dur (Ms 58, copeaux courts), **G22** laiton tendre (Ms 63, copeaux longs), **G23** laiton rouge, **G24** bronze au zinc, **G25** alliages corroyés d'aluminium, **G29** alliages corroyés de magnésium, **G34** matières thermoplastiques

### 105/3 Anneau vert

**Spécialement conçu pour G16** fonte malléable, **G17** fonte à graphite sphéroïdal, **G18** fonte à graphite lamellaire (fonte grise), **G19** fonte à graphite vermiculaire, **G26** alliages de fonte d'aluminium Si 0.5%–5%, **G27** alliages de fonte d'aluminium Si 5%–10%, **G28** alliages de fonte d'aluminium Si > 10%, **G30** alliages de fonte de magnésium, **G33** ferro-Tic

## E

### 105/4 Yellow ring 131/3 Yellow ring

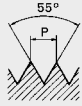
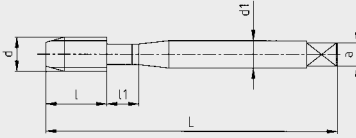
**Specific suitable for G20** copper, **G21** hard brass (Ms 58, short chipping), **G22** soft brass (Ms 63, long chipping), **G23** red brass, **G24** phosphor bronze, **G25** wrought alloy of aluminium, **G29** wrought alloy of magnesium, **G34** thermoplastic compounds/synthetics

### 105/3 Green ring

**Specific suitable for G16** malleable cast iron, **G17** nodular graphite cast iron, **G18** lamellar graphite cast iron (grey cast iron), **G19** vermicular graphite cast iron, **G26** aluminium cast alloy Si 0.5%–5%, **G27** aluminium cast alloy Si 5%–10%, **G28** aluminium cast alloy Si > 10%, **G30** cast alloy of magnesium, **G33** ferro-Tic



# DIN 5156



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



105/4

131/3



DIN 5156

DIN 5156

B/4

C/2.5

L	105		131		d Nom.	d P <sup>(TR)</sup>	mm
	l	l	d1	a			
90	20	12	7	5.5	9.728	<b>G 1/8 28</b>	8.7
100	22	16	11	9	13.157	<b>G 1/4 19</b>	11.6
100	22	16	12	9	16.662	<b>G 3/8 19</b>	15
125	25	22	16	12	20.955	<b>G 1/2 14</b>	19
125	25	22	18	14.5	22.911	<b>G 5/8 14</b>	20.75
140	28	24	20	16	26.441	<b>G 3/4 14</b>	24.5
150	28	24	22	18	30.201	<b>G 7/8 14</b>	28
160	30	27	25	20	33.294	<b>G 1 11</b>	30.5
170	30	27	28	22	37.897	<b>G 1 1/8 11</b>	35
170	30	27	32	24	41.91	<b>G 1 1/4 11</b>	39.5
190	32	27	36	29	47.803	<b>G 1 1/2 11</b>	45
190	32	30	40	32	53.746	<b>G 1 3/4 11</b>	51
220	40	30	45	35	59.614	<b>G 2 11</b>	57

Art.	Stock	Art.	Stock
51281	●	51301	●
51282	●	51302	●
51283	●	51303	●
51284	○	51304	○
51285	●	51305	●
51286	△	51307	△
51287	●	51308	●
51288	○	51309	△
51289	○	51310	△
51290	△	51311	△
51291	△	51312	△
51292	△	51313	△

UNC...

**D**

**105/4 Schwarzring**

**131/3 Schwarzring**

Speziell geeignet für **G01** Baustähle < 1000 N/mm<sup>2</sup>, **G03** Einsatzstähle < 1000 N/mm<sup>2</sup>,

**G08** Werkzeugstähle, **G10** Rostfreie Cr-Stähle, geschwefelt, **G13** Automatenstähle, **G14** Stahlguss < 1000 N/mm<sup>2</sup>

**F**

**105/4 Anneau noir**

**131/3 Anneau noir**

Spécialement conçu pour **G01** aciers de construction < 1000 N/mm<sup>2</sup>, **G03** aciers de cémentation < 1000 N/mm<sup>2</sup>, **G08** aciers à outils, **G10** aciers inoxydables Cr, sulfuré, **G13** aciers de décolletage, **G14** aciers moulés < 1000 N/mm<sup>2</sup>

**E**

**105/4 Black ring**

**131/3 Black ring**

Specific suitable for **G01** structural steels < 1000 N/mm<sup>2</sup>, **G03** case hardening steels < 1000 N/mm<sup>2</sup>, **G08** carbon tool steels, **G10** Cr stainless steels, sulphured, **G13** free-cutting steels, **G14** cast steels < 1000 N/mm<sup>2</sup>



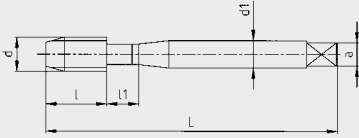
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verkauf@manigley.ch · www.manigley.ch

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# DIN 5156



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		131/3		d Nom.	d P <sup>(TR)</sup>	Stock
	l	l	d1	a			
90	20	12	7	5,5	9.728	<b>G 1/8 28</b>	8.7
100	22	16	11	9	13.157	<b>G 1/4 19</b>	11.6
100	22	16	12	9	16.662	<b>G 3/8 19</b>	15
125	25	22	16	12	20.955	<b>G 1/2 14</b>	19
140	28	24	20	16	26.441	<b>G 3/4 14</b>	24.5
160	30	27	25	20	33.294	<b>G 1 11</b>	30.5

105/4



DIN 5156

-

B/4

Art.	Stock
11270	●
11271	●
11272	●
11273	●
11276	●
11278	●

131/3



DIN 5156

-

C/2.5

Art.	Stock
83216	●
83224	●
83232	●
83240	●
83267	●
83283	●

## D

**105/4 Blauring**  
**131/3 Blauring**

**Speziell geeignet für G07** Nitrierstähle, **G09** Hitzebeständige Stähle, **G11** Rostfreie Cr-Stähle, ferritisch und martensitisch, **G12** Rostfreie Cr-Ni Stähle, austenitisch, **G31** Nickellegierungen, **G32** Titan und Titanlegierungen

## F

**105/4 Anneau bleu**  
**131/3 Anneau bleu**

**Spécialement conçu pour G07** aciers pour nitruration, **G09** aciers réfractaires, **G11** aciers inoxydables Cr, ferritique et martensitique, **G12** aciers inoxydables Cr-Ni, austénitique, **G31** alliages de nickel, **G32** titane et alliages de titane

## E

**105/4 Blue ring**  
**131/3 Blue ring**

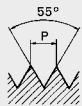
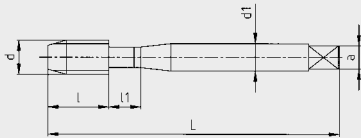
**Specific suitable for G07** nitriding steels, **G09** heat resisting steels, **G11** Cr stainless steels, ferritic and martensitic, **G12** Cr-Ni stainless steels, austenitic, **G31** alloy of nickel, **G32** titanium and alloy of titanium







# DIN 5156



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



L	105/4		131/3		d Nom.	d P <sup>(TR)</sup>	a	d1	d
	l	l1	l	l1					
90	20	12	7	5.5	9.728	<b>G 1/8</b>	<b>28</b>	8.7	
100	22	16	11	9	13.157	<b>G 1/4</b>	<b>19</b>	11.6	
100	22	16	12	9	16.662	<b>G 3/8</b>	<b>19</b>	15	
125	25	22	16	12	20.955	<b>G 1/2</b>	<b>14</b>	19	
140	28	24	20	16	26.441	<b>G 3/4</b>	<b>14</b>	24.5	
160	30	27	25	20	33.294	<b>G 1</b>	<b>11</b>	30.5	

105/4



DIN 5156

-

B/4

Art.	Stock
63380	●
63381	●
63382	●
63383	●
63384	●
63385	●

131/3



DIN 5156

-

C/2.5

Art.	Stock
65480	●
65481	●
65482	●
65483	●
65484	●
65485	●

UNC...

## D

**105/4 Rotring**

**131/3 Rotring**

**Speziell geeignet für G02** Baustähle > 900

N/mm<sup>2</sup>, **G04** Einsatzstähle > 900 N/mm<sup>2</sup>,

**G05** Vergütungsstähle < 1000 N/mm<sup>2</sup>,

**G06** Vergütungsstähle > 900 N/mm<sup>2</sup>, **G15**

Stahlguss > 900 N/mm<sup>2</sup>, **G35** HoStockeste

Feinkornbaustähle

## F

**105/4 Anneau rouge**

**131/3 Anneau rouge**

**Spécialement conçu pour G02** aciers de

construction > 900 N/mm<sup>2</sup>, **G04** aciers de cémen-

tation > 900 N/mm<sup>2</sup>, **G05** aciers d'amélioration

< 1000 N/mm<sup>2</sup>, **G06** aciers d'amélioration > 900

N/mm<sup>2</sup>, **G15** aciers moulés > 900 N/mm<sup>2</sup>,

**G35** Aciers de construction à haute résistance et

à grains fins

## E

**105/4 Red ring**

**131/3 Red ring**

**Specific suitable for G02** structural steels

> 900 N/mm<sup>2</sup>, **G04** case hardening steels

> 900 N/mm<sup>2</sup>, **G05** heat treatable steels

< 1000 N/mm<sup>2</sup>, **G06** heat treatable steels > 900

N/mm<sup>2</sup>, **G15** cast steels > 900 N/mm<sup>2</sup>,

**G35** High strength structural steels fine grained

to grain



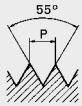
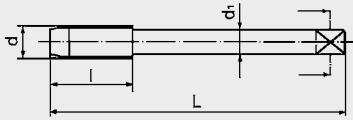
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# DIN 5157



101/1 Ultra  
HSS-E



101/3 Ultra  
HSS-E



101/S Ultra HSS-E  
Satz / jeu / set



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance



DIN EN ISO 228

DIN EN ISO 228

DIN EN ISO 228

A/5

C/2

L	l	d1	a	d Nom.	d	P <sup>(TPI)</sup>	mm
63	18	7	5.5	9.728	<b>G 1/8</b>	<b>28</b>	8.7
70	20	11	9	13.157	<b>G 1/4</b>	<b>19</b>	11.6
70	20	12	9	16.662	<b>G 3/8</b>	<b>19</b>	15
80	22	16	12	20.955	<b>G 1/2</b>	<b>14</b>	19
80	22	18	14.5	22.911	<b>G 5/8</b>	<b>14</b>	20.75
90	22	20	16	26.441	<b>G 3/4</b>	<b>14</b>	24.5
100	25	25	20	33.249	<b>G 1</b>	<b>11</b>	30.5

Art.		Stück/pce/piece	Satz/jeu/set	
Art.	Art.	Stock	Art.	Stock
37530	37531	●	37532	●
37533	37534	●	37535	●
37536	37537	●	37538	●
37539	37540	●	37541	●
37542	37543	○	37544	○
37545	37546	●	37547	●
37551	37552	●	37553	●

## D

### 101/S Ultra

**Speziell geeignet für G01** Baustähle <1000 N/mm<sup>2</sup>, **G03** Einsatzstähle <1000 N/mm<sup>2</sup>, **G05** Vergütungsstähle <1000 N/mm<sup>2</sup>, **G13** Automatenstähle, **G14** Stahlguss <1000 N/mm<sup>2</sup>, **G20** Kupfer, **G22** Weichmessing (Ms 63, langspanend), **G23** Rotguss, **G24** Guss-Zinnbronze

## F

### 101/S Ultra

**Spécialement conçu pour G01** aciers de construction <1000 N/mm<sup>2</sup>, **G03** aciers de cémentation <1000 N/mm<sup>2</sup>, **G05** aciers d'amélioration <1000 N/mm<sup>2</sup>, **G13** aciers de décolletage, **G14** aciers moulés <1000 N/mm<sup>2</sup>, **G20** cuivre, **G22** laiton tendre (Ms 63, copeaux longs), **G23** laiton rouge, **G24** bronze au zinc

## E

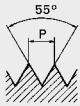
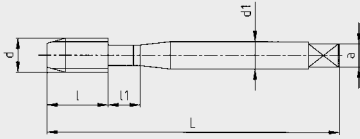
### 101/S Ultra

**Specific suitable for G01** structural steels <1000 N/mm<sup>2</sup>, **G03** case hardening steels <1000 N/mm<sup>2</sup>, **G05** heat treatable steels <1000 N/mm<sup>2</sup>, **G13** free-cutting steels, **G14** cast steels <1000 N/mm<sup>2</sup>, **G20** copper, **G22** soft brass (MS 63, long chipping), **G23** red brass, **G24** phosphor bronze





# DIN 371/376



105/4 Ultra  
HSS-E

105/4 Ultra  
HSS-E

131/3 Ultra  
HSS-E

131/3 Ultra  
HSS-E



Norm / Norme / Norm

Toleranzklasse / Classe de tolérance / Class of tolerance

DIN 371

DIN 376

DIN 371

DIN 376

B/4

B/4

C/2.5

C/2.5

L	105/4		131/3		d1	a	d Nom.	d P <sup>(TP)</sup>		Art.	Stock	Art.	Stock	Art.	Stock	Art.	Stock
	l	l1	l	l1													
56	11	7	11	3.5	2.7	3.18	<b>W 1/8 - 40</b>	2.55		47070	○			61001	○		
80	17	13	17	7	5.5	6.35	<b>W 1/4 - 20</b>	5.1		47071	●			61002	●		
90	20	14	21	8	6.2	7.94	<b>W 5/16 - 18</b>	6.5		47072	○			61003	○		
100	22	16	23	10	8	9.530	<b>W 3/8 - 16</b>	7.9		47073	●			61004	●		
100	22	18		8	6.2	11.110	<b>W 7/16 - 14</b>	9.25				47074	△			61005	△
110	25	20		9	7	12.700	<b>W 1/2 - 12</b>	10.5				47075	●			61006	●
125	30	25		14	11	19.050	<b>W 3/4 - 10</b>	16.4				47076	○			61007	○
160	36	30		18	14.5	25.400	<b>W 1" - 8</b>	22				47077	○			61008	○

## D

**105/4 Ultra**  
**131/3 Ultra**

**Speziell geeignet für G21** Hartmessing (Ms 58, kurzspanend), **G22** Weichmessing (Ms 63, langspanend), **G25** Aluminium-Knetlegierungen, **G29** Magnesium-Knetlegierungen, **G34** Thermoplaste Kunststoffe

**Geht auch für G01** Baustähle <1000 N/mm<sup>2</sup>, **G03** Einsatzstähle <1000 N/mm<sup>2</sup>, **G05** Vergütungsstähle <1000 N/mm<sup>2</sup>

## F

**105/4 Ultra**  
**131/3 Ultra**

**Spécialement conçu pour G21** laiton dur (Ms 58, copeaux courts), **G22** laiton tendre (Ms 63, copeaux longs), **G25** alliages corroyés d'aluminium, **G29** alliages corroyés de magnésium, **G34** matières thermoplastiques

**Conçu aussi pour G01** aciers de construction <1000 N/mm<sup>2</sup>, **G03** aciers de cémentation <1000 N/mm<sup>2</sup>, **G05** aciers d'amélioration <1000 N/mm<sup>2</sup>

## E

**105/4 Ultra**  
**131/3 Ultra**

**Specific suitable for G21** hard brass (Ms 58, short chipping), **G22** soft brass (MS 63, long chipping), **G25** wrought alloy of aluminium, **G29** wrought alloy of magnesium, **G34** thermoplastic compounds/synthetics

**Goes also for G01** structural steels <1000 N/mm<sup>2</sup>, **G03** case hardening steels <1000 N/mm<sup>2</sup>, **G05** heat treatable steels <1000 N/mm<sup>2</sup>

UNC...



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