

High performance drills

Standard programme

MAPAL GIGA-Drill

High precision with four flutes



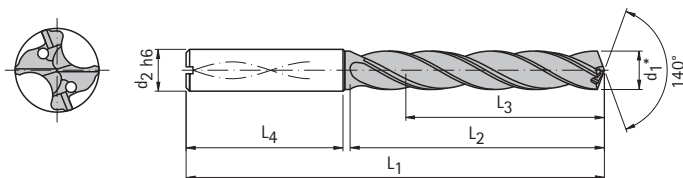
Perfect for you.

GIGA-Drill

5xD

Solid carbide twist drill with internal coolant supply

M2195



Design:

Drill diameter: 6.00 – 18.00 mm
 Bore tolerance: IT 9 (achievable)
 Shank form: HA (DIN 6535, "A")
 Coating: MxF ("E")
 No. of flutes: 4
 Point geometry: special point geometry
 Point angle: 140°
 Helix: 30°

Drill diameter d ₁ *	Shank diameter d ₂ h6	Dimensions				Order No.	Avail-ability
		Total length L ₁	Flute length L ₂	Maximum drilling depth L ₃	Shank length L ₄		
6,00	6	82	44	35	36	M2195-0600AE	●
6,50	8	91	53	43	36	M2195-0650AE	●
6,80	8	91	53	43	36	M2195-0680AE	●
6,90	8	91	53	43	36	M2195-0690AE	●
7,00	8	91	53	43	36	M2195-0700AE	●
7,10	8	91	53	43	36	M2195-0710AE	●
7,20	8	91	53	43	36	M2195-0720AE	●
8,00	8	91	53	43	36	M2195-0800AE	●
8,10	10	103	61	49	40	M2195-0810AE	●
8,20	10	103	61	49	40	M2195-0820AE	●
8,30	10	103	61	49	40	M2195-0830AE	●
8,50	10	103	61	49	40	M2195-0850AE	●
8,90	10	103	61	49	40	M2195-0890AE	●
9,00	10	103	61	49	40	M2195-0900AE	●
9,50	10	103	61	49	40	M2195-0950AE	●
9,80	10	103	61	49	40	M2195-0980AE	●
10,00	10	103	61	49	40	M2195-1000AE	●
10,20	12	118	71	56	45	N2195-1020AE	●
10,30	12	118	71	56	45	N2195-1030AE	●
10,50	12	118	71	56	45	M2195-1050AE	●
11,00	12	118	71	56	45	M2195-1100AE	●
11,70	12	118	71	56	45	M2195-1170AE	●
12,00	12	118	71	56	45	M2195-1200AE	●
12,50	14	124	77	60	45	M2195-1250AE	●
13,00	14	124	77	60	45	M2195-1300AE	●
13,80	14	124	77	60	45	M2195-1380AE	●
14,00	14	124	77	60	45	M2195-1400AE	●
15,00	16	133	83	63	48	M2195-1500AE	●
18,00	18	143	93	71	48	M2195-1800AE	●

- available ex stock Germany
- standard tool with limited stock availability (delivery time on request)

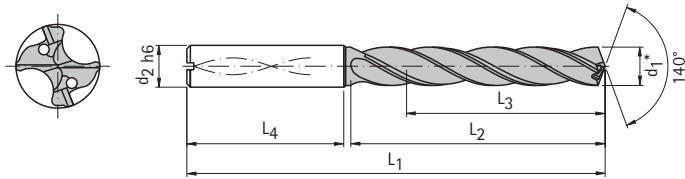
Dimensions in mm.

*The tolerance of the drill diameter d₁ is within bore tolerance field H7.

For information on prices for intermediate dimensions and other coatings see right.

8xD

GIGA-Drill

Solid carbide twist drill with internal coolant supply
M2198**Design:**

Drill diameter:	6.00 – 15.00 mm
Bore tolerance:	IT 9 (achievable)
Shank form:	HA (DIN 6535, "A")
Coating:	MxF ("E")
No. of flutes:	4
Point geometry:	special point geometry
Point angle:	140°
Helix:	30°

Drill diameter d_1^*	Shank diameter d_2 h6	Dimensions				Order No.	Avail-ability	
		Total length L_1	Flute length L_2	Maximum drilling depth L_3	Shank length L_4			
6,00	6	95	57	48	36	M2198-0600AE	●	
6,80	8	114	76	64	36	M2198-0680AE	●	
7,00	8	114	76	64	36	M2198-0700AE	●	
7,60	8	114	76	64	36	M2198-0760AE	●	
8,00	8	114	76	64	36	M2198-0800AE	●	
8,20	10	142	95	80	40	M2198-0820AE	●	
8,30	10	142	95	80	40	M2198-0830AE	●	
8,40	10	142	95	80	40	M2198-0840AE	●	
8,50	10	142	95	80	40	M2198-0850AE	●	
9,00	10	142	95	80	40	M2198-0900AE	●	
9,30	10	142	95	80	40	M2198-0930AE	●	
9,40	10	142	95	80	40	M2198-0940AE	●	
9,50	10	142	95	80	40	M2198-0950AE	●	
10,00	10	142	95	80	40	M2198-1000AE	●	
10,60	12	162	114	96	45	M2198-1060AE	●	
11,00	12	162	114	96	45	M2198-1100AE	●	
11,20	12	162	114	96	45	M2198-1120AE	●	
11,80	12	162	114	96	45	M2198-1180AE	●	
12,00	12	162	114	96	45	M2198-1200AE	●	
12,50	14	178	133	112	45	M2198-1250AE	●	
13,00	14	178	133	112	45	M2198-1300AE	●	
13,50	14	178	133	112	45	M2198-1350AE	●	
14,00	14	178	133	112	45	M2198-1400AE	●	
15,00	16	203	152	128	48	M2198-1500AE	●	

- available ex stock Germany
- standard tool with limited stock availability (delivery time on request)

Dimensions in mm.

*The tolerance of the drill diameter d_1 is within bore tolerance field H7.**Intermediate sizes and other coatings:**

Minimum order quantities for intermediate dimensions:

≤ \varnothing 10 mm:	5 off
> \varnothing 10 ≤ 20 mm:	3 off
> \varnothing 20 mm:	2 off

Prices for intermediate sizes and other coatings available on request.



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