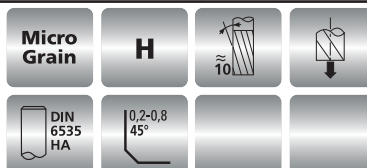
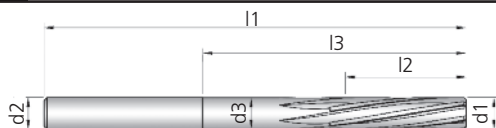


ALESATORI A MACCHINA • SERIE NORMALE

SERIE
HM

HM29

 Denti elicoidali sinistri taglio destro - Per fori cilindrici - Codolo cilindrico
 MACHINE REAMERS - Solid carbide - Left-hand helical teeth, right-hand cutting. For parallel holes - Straight shank
 ALÉSOIRS À MACHINE - Carbure monobloc - Denture hélicoïdale à gauche, coupe à droite. Pour trous cylindriques - Queue cylindrique
 MASCHINEN REIBAHLEN - Vollhartmetall - Spiralgenutet, rechtsschneidend, Linksdrall. Für zylindrische Bohrungen - Zylinderschaft
 ESCARIADORES A MAQUINA - Metal duro - Labios helicoidales izquierda, cortante derecho - Para agujeros cilíndricos - Mango cilíndrico
 Развертка машинная, твердосплавная. Левая спираль, правое вращение. Цилиндрический хвостовик. Средняя серия



NORM.

DIN 212/D

CODE	d1 mm H7	l2 mm	l1 mm	l3 mm	d2 mm H7	d3 mm	Z	K €	TIN €
HM29/01	2	11	49	24	2	1,9	5	21,28	30,90
HM29/02	2,5	14	57	29	2,5	2,4	5	22,60	32,21
HM29/03	3	15	61	33	3	2,9	5	23,32	32,93
HM29/04	3,5	18	70	40	3,5	3,4	5	26,68	36,31
HM29/05	4	19	75	43	4	3,9	5	30,29	39,91
HM29/06	4,5	21	80	45	4,5	4,4	5	33,42	43,04
HM29/07	5	23	86	51	5	4,9	5	37,75	47,36
HM29/08	5,5	26	93	53	5,5	5,4	6	44,48	54,09
HM29/09	6	26	93	55	6	5,9	6	45,68	55,29
HM29/10	6,5	28	101	61	6,5	6,4	6	55,06	67,08
HM29/11	7	31	106	66	7	6,85	6	58,18	70,20
HM29/12	8	33	117	72	8	7,85	6	68,88	80,90
HM29/13	9	36	125	75	9	8,85	6	76,10	91,12
HM29/14	10	38	133	83	10	9,85	6	104,94	119,96
HM29/15	11	41	142	90	11	10,85	7	128,62	146,65
HM29/16	12	44	151	96	12	11,85	7	150,86	168,89
HM29/17	13	44	151	96	13	12,85	7	165,88	186,32
HM29/18	14	47	160	98	14	13,85	7	212,65	233,20
HM29/19	15	50	160	100	15	14,85	7	244,01	271,66
HM29/20	16	52	170	107	16	15,85	7	276,47	304,11

ACCIAI STEELS	GHISE CAST IRON	≤56 HRC	ACCIAI TEMPRATI HARDENED STEELS	>56 HRC	ACCIAI INOSSIDABILI STAINLESS STEELS	SUPER LEGHE - TITANIO SUPERALLOYS - TITANIUM	LEGHE LEGGERE LIGHT ALLOYS	MATERIALI NON FERROSI NON FERROUS MATERIAL	GRAFITE GRAPHITE
▲	▲	▶	▶		▲	▲	▶	▶	▶



 Ricoperti TIN a richiesta
 TIN coating only upon requirements



ALESATORI A MACCHINA CENTESIMALI • SERIE NORMALE

new

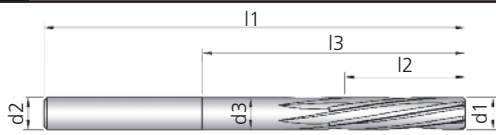
HM29C

 Denti elicoidali sinistri taglio destro divisione irregolare - Per fori cilindrici
 SOLID CARBIDE CENTESIMAL MACHINE REAMERS - Irregular division - Left helix flutes, Right hand cutting - For cylindrical holes
 ALESOIRS CENTESIMAL À MACHINE - Carbure monobloc - Pour trous cylindriques - Division irrégulière
 VHM-MASCHINENREIBAHLEN - Ungleiche Schneidenteilung, Rechtsschneidend mit linker Spiralnuten, für zylindrische Bohrungen
 ESCARIADOR CENTESIMAL DE METAL DURO - Division irregular - Labios hélice izquierda, corte a derechas - Para agujeros cilíndricos
 ESCARIADORES CENTESIMAL A MAQUINA - Metal duro - Para agujeros cilíndricos - División irregular
 Развертка машинная, твердосплавная. Непостоянный шаг зуба. Левая спираль, правое вращение. Цилиндрический хвостовик. Нормальная серия

SERIE
HM

NORM.

DIN 212/D

Micro
Grain

H

DIN
6535
HA0,2-0,8
45°SHORT
NORMAL
LONG
EXTRA LONG

CODE	d1 mm	l2 mm	l1 mm	l3 mm	d2 mm	d3 mm	Z	K €
HM29C/0198	1,98	12	50	22	3	1,9	5	40,69
HM29C/0199	1,99	12	50	22	3	1,9	5	40,69
HM29C/0200	2	12	50	22	3	1,9	5	40,69
HM29C/0201	2,01	12	50	22	3	1,9	5	40,69
HM29C/0202	2,02	12	50	22	3	1,9	5	40,69
HM29C/0203	2,03	12	50	22	3	1,9	5	40,69
new HM29C/0210	2,10	12	50	22	3	1,9	5	45,32
HM29C/0248	2,48	14	55	30	3	2,4	5	42,23
HM29C/0249	2,49	14	55	30	3	2,4	5	42,23
HM29C/0250	2,5	14	55	30	3	2,4	5	42,23
HM29C/0251	2,51	14	55	30	3	2,4	5	42,23
HM29C/0252	2,52	14	55	30	3	2,4	5	42,23
HM29C/0253	2,53	14	55	30	3	2,4	5	42,23
new HM29C/0260	2,60	14	56	30	3	2,4	5	46,87
HM29C/0297	2,97	16	60	32	4	2,9	5	45,32
HM29C/0298	2,98	16	60	32	4	2,9	5	45,32
HM29C/0299	2,99	16	60	32	4	2,9	5	45,32
HM29C/0300	3	16	60	32	4	2,9	5	45,32
HM29C/0301	3,01	16	60	32	4	2,9	5	45,32
HM29C/0302	3,02	16	60	32	4	2,9	5	45,32
HM29C/0303	3,03	16	60	32	4	2,9	5	45,32
new HM29C/0310	3,10	16	60	32	4	2,9	5	49,96
HM29C/0397	3,97	19	80	43	5	3,9	5	51,29
HM29C/0398	3,98	19	80	43	5	3,9	5	51,29
HM29C/0399	3,99	19	80	43	5	3,9	5	51,29
HM29C/0400	4	19	80	43	5	3,9	5	51,29
HM29C/0401	4,01	19	80	43	5	3,9	5	51,29
HM29C/0402	4,02	19	80	43	5	3,9	5	51,29
HM29C/0403	4,03	19	80	43	5	3,9	5	51,29
new HM29C/0410	4,10	19	80	43	5	3,9	5	56,65
HM29C/0497	4,97	23	93	51	6	4,9	5	63,86
HM29C/0498	4,98	23	93	51	6	4,9	5	63,86
HM29C/0499	4,99	23	93	51	6	4,9	5	63,86
HM29C/0500	5	23	93	51	6	4,9	5	63,86
HM29C/0501	5,01	23	93	51	6	4,9	5	63,86
HM29C/0502	5,02	23	93	51	6	4,9	5	63,86
HM29C/0503	5,03	23	93	51	6	4,9	5	63,86
new HM29C/0510	5,10	23	93	51	6	4,9	5	71,07
HM29C/0597	5,97	26	93	53	6	5,9	6	71,07
HM29C/0598	5,98	26	93	53	6	5,9	6	71,07
HM29C/0599	5,99	26	93	53	6	5,9	6	71,07
HM29C/0600	6	26	93	53	6	5,9	6	71,07
HM29C/0601	6,01	26	93	53	6	5,9	6	71,07
HM29C/0602	6,02	26	93	53	6	5,9	6	71,07
HM29C/0603	6,03	26	93	53	6	5,9	6	71,07
new HM29C/0610	6,10	26	93	53	6	5,9	6	78,28
HM29C/0700	7	31	117	66	8	6,8	6	92,19
HM29C/0797	7,97	33	117	72	8	7,8	6	92,19
HM29C/0798	7,98	33	117	72	8	7,8	6	92,19
HM29C/0799	7,99	33	117	72	8	7,8	6	92,19
HM29C/0800	8	33	117	72	8	7,8	6	92,19
HM29C/0801	8,01	33	117	72	8	7,8	6	92,19
HM29C/0802	8,02	33	117	72	8	7,8	6	92,19
HM29C/0803	8,03	33	117	72	8	7,8	6	92,19
new HM29C/0810	8,10	33	117	72	8	7,8	6	100,94
HM29C/0900	9	36	133	75	10	8,8	6	133,69
HM29C/0997	9,97	38	133	83	10	9,8	6	133,69
HM29C/0998	9,98	38	133	83	10	9,8	6	133,69
HM29C/0999	9,99	38	133	83	10	9,8	6	133,69
HM29C/1000	10	38	133	83	10	9,8	6	133,69
HM29C/1001	10,01	38	133	83	10	9,8	6	133,69
HM29C/1002	10,02	38	133	83	10	9,8	6	133,69
HM29C/1003	10,03	38	133	83	10	9,8	6	133,69
new HM29C/1010	10,10	38	133	83	10	9,8	6	145,23
HM29C/1197	11,97	44	150	96	12	11,8	7	181,28
HM29C/1198	11,98	44	150	96	12	11,8	7	181,28
HM29C/1199	11,99	44	150	96	12	11,8	7	181,28
HM29C/1200	12	44	150	96	12	11,8	7	181,28
HM29C/1201	12,01	44	150	96	12	11,8	7	181,28
HM29C/1202	12,02	44	150	96	12	11,8	7	181,28
HM29C/1203	12,03	44	150	96	12	11,8	7	181,28
new HM29C/1210	12,10	44	150	96	12	11,8	7	197,76

Toll. reale sul d1
Real Tol. on d1

Ø 1,98-5,10 mm
 -0/+0,004
 Ø 5,97-12,10 mm
 -0/+0,005

Parametri
Cutting data

pag. 64

Ulteriori diametri
a richiesta
Other diameters
on demandCONSIGLIATO
RECOMMENDEDACCETTABILE
ACCEPTABLESCONSIGLIATO
NOT RECOMMENDED

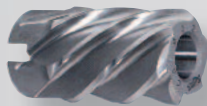
Rime

 Ricoperti TIN a richiesta
 TIN coating only upon requirements



SERIE AL

ALESATORI CILINDRICI A MANO E A MACCHINA CYLINDER REAMERS

		COD.	PAG.
		AL0	125
		AL6	126
		AL7	127
		AL8	128
		AL9	129
		AL10	130

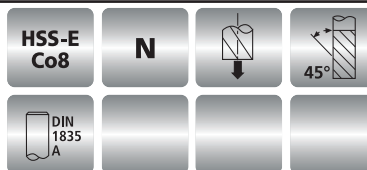
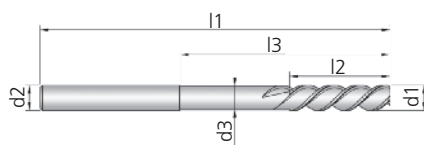
ALESATORI CILINDRICI • SERIE NORMALE

ALO

 Taglio discendente elica 45° sinistra - Codolo cilindrico
 CYLINDER REAMERS - Left-hand 45° helical teeth - Straight shank
 ALESOIRS À CYLINDRES - Denture hélicoïdale à 45° à gauche - Queue cylindrique
 MASCHINEN - REIBAHLEN - 45° links schrägverzahnt - Zylinderschaft
 ESCARIADORES CILÍNDRICOS - Labios hélice izquierda 45° - Mango cilíndrico
 ESCARIADORES CILÍNDRICOS - Trés navalhas hélice esquerda 45° - Encabadouro cilíndrico
 Развертка. Левая спираль 45°. Цилиндрический хвостовик. Средняя серия

SERIE
AL

NORM.

 DIN 212E
 ISO 521

 SHORT
 NORMAL
 LONG
 EXTRA LONG

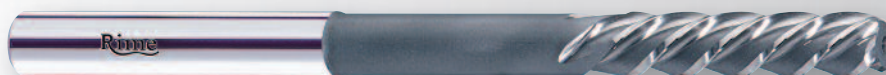
CODE	d1 mm H7	l2 mm	l1 mm	l3 mm	d2 mm h6	d3 mm	Z	Co 8% €
AL0/01	2	11	49	24	2	1.9	3	•
AL0/02	2.5	14	57	29	2.5	2.4	3	•
AL0/03	3	15	61	33	3	2.9	3	•
AL0/04	3.5	18	70	40	3.5	3.4	3	•
AL0/05	4	19	75	43	4	3.7	3	•
AL0/06	4.5	21	80	45	4.5	4.2	3	•
AL0/07	5	23	86	51	5	4.7	3	•
AL0/08	5.5	26	93	55	5.5	5.2	3	•
AL0/09	6	26	93	55	6	5.6	3	•
AL0/10	6.5	28	101	61	6.5	6.1	3	•
AL0/11	7	31	109	67	7	6.6	3	•
AL0/12	8	33	117	72	8	7.6	3	•
AL0/13	9	36	125	75	9	8.4	3	•
AL0/14	10	38	133	83	10	9.4	4	•
AL0/15	11	41	142	90	11	10.3	4	•
AL0/16	12	44	151	96	12	11.3	4	•
AL0/17	13	44	151	96	13	12.2	4	•
AL0/18	14	47	160	100	14	12.8	4	•
AL0/19	15	50	162	102	15	13.8	4	•
AL0/20	16	52	170	107	16	14.8	4	•

ACCIAI STEELS	GHISE CAST IRON	ACCIAI INOSSIDABILI STAINLESS STEELS	SUPER LEGHE - TITANIO SUPERALLOYS - TITANIUM	LEGHE LEGGERE LIGHT ALLOYS	MATERIALI NON FERROSI NON FERROUS MATERIAL
▲	▲	▲	▲	▶	▶

Diametri decimali e tolleranze diverse da H7 si forniscono a richiesta
 Decimal diameter and different tolerance from H7 upon requirements

 ▲
 CONSIGLIATO
 RECOMMENDED

 ▶
 ACCETTABILE
 ACCEPTABLE

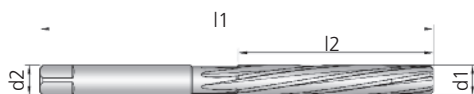
 ▼
 SCONSIGLIATO
 NOT RECOMMENDED


ALESATORI A MANO • SERIE NORMALE

SERIE
AL

AL6

 Denti elicoidali sinistri taglio destro - Codolo cilindrico con quadro - Per fori cilindrici
 HAND REAMERS - Left-hand helical teeth, right-hand cutting - Straight shank with square - For parallel holes
 ALÉSIOIRS À MAIN - Denture hélicoïdale à gauche, coupe à droite - Queue cylindrique carrée - Pour trous cylindriques
 HAND - REIBAHLEN - Spiralgenutet, rechtsschneidend, Linksdrall Zylinderschaft mit Vierkantmitnehmer - Für zylindrische Bohrungen
 ESCARIADORES A MANO - Labios helicoidales izquierda, cortante derecho - Mango cilíndrico con cuadro - Para agujeros cilíndricos
 ESCARIADORES A MANO - Navalhas helicoidais esquerda, cortante direito - Encabadouro cilíndrico con cuadro - Para agujeros cilíndricos
 Развертка ручная. Левая спираль, правое вращение. Средняя серия

HSS-E
Co5

N



NORM.

UNI 6852
 DIN 206B
 ISO 236/1

CODE	d1 mm H7	l2 mm	l1 mm	d2 mm h6	Z	Co 5% €
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AL6/00	2	25	50	2	4	•
AL6/01	3	31	62	3	4	•
AL6/02	4	38	76	4	5	•
AL6/03	5	44	87	5	5	•
AL6/04	6	47	93	6	5	•
AL6/05	7	54	107	7	6	•
AL6/06	8	58	115	8	6	•
AL6/07	9	62	124	9	6	•
AL6/08	10	66	133	10	6	•
AL6/09	11	71	142	11	8	•
AL6/10	12	76	152	12	8	•
AL6/11	13	76	152	13	8	•
AL6/12	14	81	163	14	8	•
AL6/13	15	81	163	15	8	•
AL6/14	16	87	175	16	8	•
AL6/15	17	87	175	17	8	•
AL6/16	18	93	188	18	8	•
AL6/17	19	93	188	19	8	•
AL6/18	20	100	201	20	8	•


 CONSIGLIATO
 RECOMMENDED


 ACCETTABILE
 ACCEPTABLE


 SCONSIGLIATO
 NOT RECOMMENDED

ACCIAI STEELS	GHISE CAST IRON	ACCIAI INOSSIDABILI STAINLESS STEELS	SUPER LEGHE - TITANIO SUPERALLOYS - TITANIUM	LEGHE LEGGERE LIGHT ALLOYS	MATERIALI NON FERROSI NON FERROUS MATERIAL
▲	▲	▲	▲	▶	▶



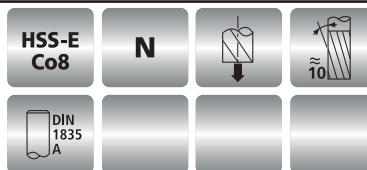
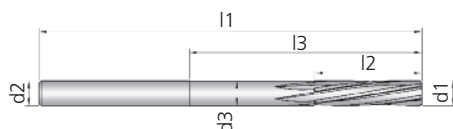
ALESATORI A MACCHINA • SERIE EXTRA-LUNGA

AL7

 Denti elicoidali sinistri taglio destro - Codolo cilindrico
 MACHINE REAMERS, EXTRA-LONG TYPE - Left-hand helical teeth, right-hand cutting - Straight shank
 ALESOIRS POUR MACHINES, TYP EXTRA LONG - Denture hélicoïdale à gauche, coupe à droite - Queue cylindrique
 MASCHINEN - REIBAHLEN, EXTRA LANGE AUSFÜHRUNG - Spiralgenutet, rechtsschneidend, Linksdrall - Zylinderschaft
 ESCARIADORES A MAQUINA - Labios helicoidales izquierda, cortante derecho - Mango cilíndrico
 ESCARIADORES A MANO - Navalhas helicoidais esquerda, cortante direito - Encabadouro cilíndrico
 Развертка машинная. Левая спираль, правое вращение. Цилиндрический хвостовик. Ультралонг серия

SERIE
AL

NORM.

 UNI
DIN 212D
ISO 521

 SHORT
NORMAL
LONG
EXTRA-LONG

CODE	d1 mm H7	l2 mm	l1 mm	l3 mm	d2 mm h6	d3 mm	Z	Co 8% €
AL7/01	2	18	110	75	2	1.9	4	•
AL7/02	2.5	20	120	80	2.5	2.4	4	•
AL7/03	3	20	120	80	3	2.9	4	•
AL7/04	3.5	30	150	110	3.5	3.4	6	•
AL7/05	4	30	150	110	4	3.9	6	•
AL7/06	4.5	35	180	135	4.5	4.4	6	•
AL7/07	5	35	180	135	5	4.9	6	•
AL7/08	5.5	40	200	150	5.5	5.4	6	•
AL7/09	6	40	200	150	6	5.9	6	•
AL7/10	6.5	45	200	150	6.5	6.4	6	•
AL7/11	7	45	200	150	7	6.9	6	•
AL7/12	8	45	200	150	8	7.9	6	•
AL7/13	9	50	220	160	9	8.9	6	•
AL7/14	10	50	220	160	10	9.8	6	•
AL7/15	11	55	250	190	11	10.8	6	•
AL7/16	12	55	250	190	12	11.8	6	•

ACCAI/STEELS

GHISE/CAST IRON

ACCAI INOSSIDABILI/STAINLESS STEELS

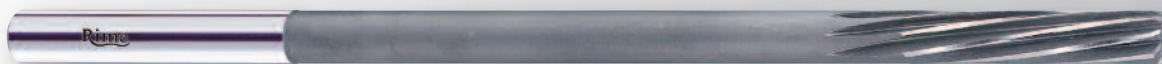
SUPER LEGHE - TITANIO/SUPERALLOYS - TITANIUM

LEGHE LEGGERE/LIGHT ALLOYS

MATERIALI NON FERROSI/NON FERROUS MATERIAL

 ▲
CONSIGLIATO
RECOMMENDED

 ►
ACCETTABILE
ACCEPTABLE

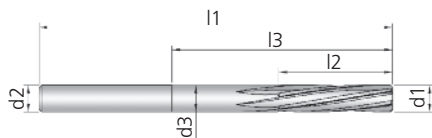
 ▼
SCONSIGLIATO
NOT RECOMMENDED


ALESATORI A MACCHINA • SERIE NORMALE

SERIE
AL

AL8


 Denti elicoidali sinistri taglio destro - Codolo cilindrico - Per fori cilindrici
 MACHINE REAMERS - Left-hand helical teeth, right-hand cutting - Straight shank. For parallel holes
 ALÉSIOIRS POUR MACHINES - Denture hélicoïdale à gauche, coupe à droite - Queue cylindrique. Pour trous cylindriques
 MASCHINEN - REIBAHLEN - Spiralgenutet, rechtsschneidend, Linksdrall - Zylinderschaft. Für zylindrische Bohrungen
 ESCARIADORES A MÁQUINA - Labios helicoidales izquierda, cortante derecho - Mango cilíndrico - Para agujeros cilíndricos
 ESCARIADORES À MÁQUINA - Quatro navalhas helicoidais esquerda, cortante direito - Encabadouro cilíndrico - Para agujeros cilíndricos
 Развертка машинная. Левая спираль, правое вращение. Цилиндрический хвостовик. Средняя серия

HSS-E
Co8

N

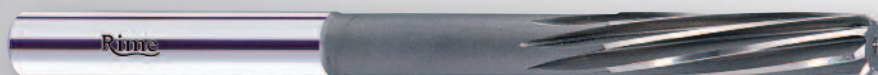


NORM.

 UNI 6853
 DIN 212D
 ISO 521

CODE	d1 mm H7	l2 mm	l1 mm	l3 mm	d2 mm h6	d3 mm	Z	Co 8% €
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AL8/01	2	11	49	24	2	1.9	5	•
AL8/02	2.5	14	57	29	2.5	2.4	5	•
AL8/03	3	15	61	33	3	2.9	5	•
AL8/04	3.5	18	70	39	3.5	3.4	5	•
AL8/05	4	19	75	43	4	3.7	5	•
AL8/06	4.5	21	80	45	4.5	4.2	5	•
AL8/07	5	23	86	51	5	4.7	5	•
AL8/08	5.5	26	93	55	5.5	5.2	6	•
AL8/09	6	26	93	55	6	5.6	6	•
AL8/10	6.5	28	101	61	6.5	6.1	6	•
AL8/11	7	31	109	67	7	6.6	6	•
AL8/12	8	33	117	72	8	7.6	6	•
AL8/13	9	36	125	75	9	8.4	6	•
AL8/14	10	38	133	83	10	9.4	6	•
AL8/15	11	41	142	90	11	10.3	8	•
AL8/16	12	44	151	96	12	11.3	8	•
AL8/17	13	44	151	96	13	12.2	8	•
AL8/18	14	47	160	100	14	12.8	8	•
AL8/19	15	50	162	102	15	13.8	8	•
AL8/20	16	52	170	107	16	14.8	8	•

ACCIAI
STEELSGHISE
CAST IRONACCIAI INOSSIDABILI
STAINLESS STEELSSUPER LEGHE - TITANIO
SUPERALLOYS - TITANIUMLEGHE LEGGERE
LIGHT ALLOYSMATERIALI NON FERROSI
NON FERROUS MATERIAL

Diametri decimali e tolleranze diverse da H7 si forniscono a richiesta
 Decimal diameter and different tolerance from H7 upon requirements

 ▲
 CONSIGLIATO
 RECOMMENDED

 ►
 ACCETTABILE
 ACCEPTABLE

 ▼
 SCONSIGLIATO
 NOT RECOMMENDED

ALESATORI A MACCHINA TIPO MANICOTTO

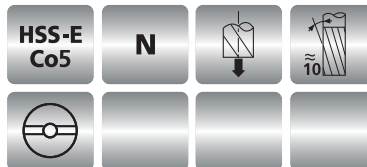
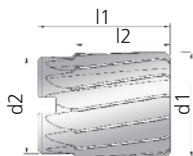
AL9

 Foro conico 1:30 - Dentatura elicoidale 10°
 SHELL MACHINE REAMERS - 1:30 taper hole - 10° helical teeth
 ALÉSIRS CREUX - Alésage conique 1:30 - Denture hélicoïdale 10°
 AUFSTECK - REIBAHLEN - Kegelbohrung 1:30 - 10° schrägverzahnt
 ESCARIADORES A MÁQUINA TIPO MANICOTTO - Agujero cónico 1:30 - Labios helicoidales 10°
 ESCARIADORES A MÁQUINA TIPO MANICOTTO - Agujero conico 1:30 - Navalhas helicoidales 10°
 Развертка насадная

SERIE
AL

NORM.

UNI 6855
 DIN 219B
 ISO 2402



CODE	d1 mm H7	l2 mm	l1 mm	d2 mm	d foro mm conicità 1:30	Z	Co 5% €
AL9/01	24	32	45	22	13	10	•
AL9/02	25	32	45	23	13	10	•
AL9/03	26	32	45	24	13	10	•
AL9/04	27	32	45	25	13	10	•
AL9/05	28	32	45	26	13	10	•
AL9/06	29	32	45	27	13	10	•
AL9/07	30	32	45	28	13	10	•
AL9/08	31	36	50	28	16	10	•
AL9/09	32	36	50	29	16	10	•
AL9/10	33	36	50	30	16	10	•
AL9/11	34	36	50	31	16	10	•
AL9/12	35	36	50	32	16	10	•
AL9/13	36	40	56	33	19	12	•
AL9/14	37	40	56	34	19	12	•
AL9/15	38	40	56	35	19	12	•
AL9/16	39	40	56	36	19	12	•
AL9/17	40	40	56	37	19	12	•
AL9/18	42	40	56	39	19	12	•
AL9/19	44	45	63	40	22	12	•
AL9/20	45	45	63	41	22	12	•
AL9/21	46	45	63	42	22	14	•
AL9/22	48	45	63	44	22	14	•
AL9/23	49	45	63	45	22	14	•
AL9/24	50	45	63	46	22	14	•
AL9/25	52	50	71	48	27	14	•
AL9/26	55	50	71	51	27	14	•
AL9/27	58	50	71	54	27	14	•
AL9/28	60	50	71	56	27	16	•

ACCIAI STEELS	GHISE CAST IRON	ACCIAI INOSSIDABILI STAINLESS STEELS	SUPER LEGHE - TITANIO SUPERALLOYS - TITANIUM	LEGHE LEGGERE LIGHT ALLOYS	MATERIALI NON FERROSI NON FERROUS MATERIAL
▲	▲	▲	▲	▼	▼

▲
CONSIGLIATO
RECOMMENDED

▲
ACCETTABILE
ACCEPTABLE

▼
SCONSIGLIATO
NOT RECOMMENDED

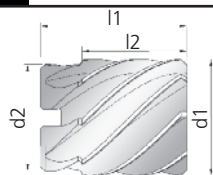


ALESATORI A MACCHINA TIPO MANICOTTO

SERIE
AL

AL10

 Foro conico 1:30 - Dentatura elicoidale discendente 45°
 SHELL MACHINE REAMERS - 1:30 taper hole - 45° helical teeth
 ALÉSIOIRS CREUX - Alésage conique 1:30 - Denture hélicoïdale 45°
 AUFSTECK - REIBAHLEN - Kegelbohrung 1:30 - 45° schrägverzahnt
 ESCARIADORES A MÁQUINA TIPO MANICOTTO - Agujero conico 1:30 - Labios 45°
 Развертка насадная с углом винтовой канавки 45°

HSS-E
Co5

N



NORM.

 UNI 6855
 DIN 219
 ISO 2402

CODE	d1 mm H7	l2 mm	l1 mm	d2 mm	d foro mm conicità 1:30	Z	Co 5% €
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Diametri decimali e tolleranze diverse da H7 si forniscono a richiesta
 Decimal diameter and different tolerance from H7 upon requirements

AL10/01	24	32	45	22	13	5	•
AL10/02	25	32	45	23	13	5	•
AL10/03	26	32	45	24	13	5	•
AL10/04	27	32	45	25	13	5	•
AL10/05	28	32	45	26	13	5	•
AL10/06	29	32	45	27	13	6	•
AL10/07	30	32	45	28	13	6	•
AL10/08	31	36	50	28	16	6	•
AL10/09	32	36	50	29	16	6	•
AL10/10	33	36	50	30	16	7	•
AL10/11	34	36	50	31	16	7	•
AL10/12	35	36	50	32	16	7	•
AL10/13	36	40	56	33	19	8	•
AL10/14	37	40	56	34	19	8	•
AL10/15	38	40	56	35	19	8	•
AL10/16	39	40	56	36	19	8	•
AL10/17	40	40	56	37	19	8	•
AL10/18	42	40	56	39	19	8	•
AL10/19	44	45	63	40	22	8	•
AL10/20	45	45	63	41	22	8	•
AL10/21	46	45	63	42	22	8	•
AL10/22	48	45	63	44	22	8	•
AL10/23	49	45	63	45	22	8	•
AL10/24	50	45	63	46	22	8	•
AL10/25	52	50	71	48	27	8	•
AL10/26	55	50	71	51	27	8	•
AL10/27	58	50	71	54	27	10	•
AL10/28	60	50	71	56	27	10	•

 ▲
 CONSIGLIATO
 RECOMMENDED

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 SCONSIGLIATO
 NOT RECOMMENDED
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STEELSGHISE
CAST IRONACCIAI INOSSIDABILI
STAINLESS STEELSSUPER LEGHE - TITANIO
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