SPFAR3

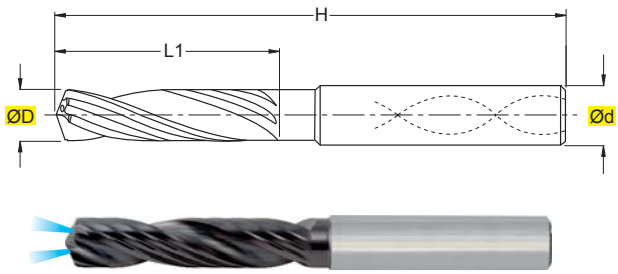
GENERICO / *ALL PURPOSE*

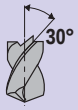
RIVESTIM. COATED **TIALN**

3xD

ØD = 2,97 - 20,02

NEW





MG

TOLLERANZE / TOLLERANCE RANGE	D	d
	±0,003	h6

(mm) ART.	ØD	Ød	H	L1
SPFAR3 2.97	2,97	6,0	62	20
SPFAR3 2.98	2,98	6,0	62	20
SPFAR3 2.99	2,99	6,0	62	20
SPFAR3 3.00	3,00	6,0	62	20
*SPFAR3 3.01	3,01	6,0	62	20
SPFAR3 3.02	3,02	6,0	62	20
SPFAR3 3.97	3,97	6,0	66	28
SPFAR3 3.98	3,98	6,0	66	28
SPFAR3 3.99	3,99	6,0	66	28
SPFAR3 4.00	4,00	6,0	66	28
*SPFAR3 4.01	4,01	6,0	66	28
SPFAR3 4.02	4,02	6,0	66	28
SPFAR3 4.97	4,97	6,0	66	28
SPFAR3 4.98	4,98	6,0	66	28
SPFAR3 4.99	4,99	6,0	66	28
SPFAR3 5.00	5,00	6,0	66	28
*SPFAR3 5.01	5,01	6,0	66	28
SPFAR3 5.02	5,02	6,0	66	28
SPFAR3 5.97	5,97	6,0	66	28
SPFAR3 5.98	5,98	6,0	66	28
SPFAR3 5.99	5,99	6,0	66	28
SPFAR3 6.00	6,00	6,0	66	28
*SPFAR3 6.01	6,01	6,0	66	28
SPFAR3 6.02	6,02	6,0	66	28
SPFAR3 6.97	6,97	8,0	79	34
SPFAR3 6.98	6,98	8,0	79	34
SPFAR3 6.99	6,99	8,0	79	34
SPFAR3 7.00	7,00	8,0	79	34
*SPFAR3 7.01	7,01	8,0	79	34
SPFAR3 702	7,02	8,0	79	34
SPFAR3 7.97	7,97	8,0	79	34
SPFAR3 7.98	7,98	8,0	79	34
SPFAR3 7.99	7,99	8,0	79	34
SPFAR3 8.00	8,00	8,0	79	34
*SPFAR3 8.01	8,01	8,0	79	34
SPFAR3 8.02	8,02	8,0	79	34
SPFAR3 8.97	8,97	10,0	89	47
SPFAR3 8.98	8,98	10,0	89	47
SPFAR3 8.99	8,99	10,0	89	47
SPFAR3 9.00	9,00	10,0	89	47
*SPFAR3 9.01	9,01	10,0	89	47
SPFAR3 9.02	9,02	10,0	89	47
SPFAR3 9.97	9,97	10,0	89	47
SPFAR3 9.98	9,98	10,0	89	47
SPFAR3 9.99	9,99	10,0	89	47

(mm) ART.	ØD	Ød	H	L1
SPFAR3 10.00	10,00	10,0	89	47
*SPFAR3 10.01	10,01	10,0	89	47
SPFAR3 10.02	10,02	10,0	89	47
SPFAR3 10.97	10,97	12,0	102	55
SPFAR3 10.98	10,98	12,0	102	55
SPFAR3 10.99	10,99	12,0	102	55
SPFAR3 11.00	11,00	12,0	102	55
*SPFAR3 11.01	11,01	12,0	102	55
SPFAR3 11.02	11,02	12,0	102	55
SPFAR3 11.97	11,97	12,0	102	55
SPFAR3 11.98	11,98	12,0	102	55
SPFAR3 11.99	11,99	12,0	102	55
SPFAR3 12.00	12,00	12,0	102	55
*SPFAR3 12.01	12,01	12,0	102	55
SPFAR3 12.02	12,02	12,0	102	55
SPFAR3 12.97	12,97	14,0	107	60
SPFAR3 12.98	12,98	14,0	107	60
SPFAR3 12.99	12,99	14,0	107	60
SPFAR3 13.00	13,00	14,0	107	60
*SPFAR3 13.01	13,01	14,0	107	60
SPFAR3 13.02	13,02	14,0	107	60
SPFAR3 13.97	13,97	14,0	107	60
SPFAR3 13.98	13,98	14,0	107	60
SPFAR3 13.99	13,99	14,0	107	60
SPFAR3 14.00	14,00	14,0	107	60
*SPFAR3 14.01	14,01	14,0	107	60
SPFAR3 14.02	14,02	14,0	107	60
SPFAR3 14.97	14,97	16,0	115	65
SPFAR3 14.98	14,98	16,0	115	65
SPFAR3 14.99	14,99	16,0	115	65
SPFAR3 15.00	15,00	16,0	115	65
*SPFAR3 15.01	15,01	16,0	115	65
SPFAR3 15.02	15,02	16,0	115	65
SPFAR3 15.97	15,97	16,0	115	65
SPFAR3 15.98	15,98	16,0	115	65
SPFAR3 15.99	15,99	16,0	115	65
SPFAR3 16.00	16,00	16,0	115	65
*SPFAR3 16.01	16,01	16,0	115	65
SPFAR3 16.02	16,02	16,0	115	65
SPFAR3 16.97	16,97	18,0	123	73
SPFAR3 16.98	16,98	18,0	123	73
SPFAR3 16.99	16,99	18,0	123	73
SPFAR3 17.00	17,00	18,0	123	73
*SPFAR3 17.01	17,01	18,0	123	73
SPFAR3 17.02	17,02	18,0	123	73

(mm) ART.	ØD	Ød	H	L1
SPFAR3 17.97	17,97	18,0	123	73
SPFAR3 17.98	17,98	18,0	123	73
SPFAR3 17.99	17,99	18,0	123	73
SPFAR3 18.00	18,00	18,0	123	73
*SPFAR3 18.01	18,01	18,0	123	73
SPFAR3 18.02	18,02	18,0	123	73
SPFAR3 18.97	18,97	20,0	131	79
SPFAR3 18.98	18,98	20,0	131	79
SPFAR3 18.99	18,99	20,0	131	79
SPFAR3 19.00	19,00	20,0	131	79
*SPFAR3 19.01	19,01	20,0	131	79
SPFAR3 19.02	19,02	20,0	131	79
SPFAR3 19.97	19,97	20,0	131	79
SPFAR3 19.98	19,98	20,0	131	79
SPFAR3 19.99	19,99	20,0	131	79
SPFAR3 20.00	20,00	20,0	131	79
*SPFAR3 20.01	20,01	20,0	131	79
SPFAR3 20.02	20,02	20,0	131	79

* = PER OTTENERE FORI IN TOLLERANZA H7
* = TO OBTAIN BORES IN H7 TOLERANCE
* = UM BOHRUNGEN IN H7-TOLERANZ ZU ERHALTEN
* = POUR OBTENIR DES TROUS DANS LA TOLÉRANCE H7

PAG. H 28

MATERIALI - MATERIALS Pag. H 73

Applicazione - Application	P				M	K			N			S		H	G	(mm) ØD	(m/min) Vc	(mm) fn	(mm) n	(mm) Vf
	ACCIAIO NON LEGATO NOT ALLOY STEEL	ACCIAIO POCO LEGATO LOW ALLOY STEEL	ACCIAIO ALTO LEGATO ALLOY STEEL	INOX MARTENSITICO STAINLESS STEEL MART.	INOX AUST. DUPLEX STAINLESS STEEL AUST.	GHISA GRIGIA GREY CAST IRON	GHISA SFEROIDALE SPHEROIDAL GRAPHITE	GHISA MALLEABILE MALLEABLE CAST IRON	ALLUMINIO E SUE LEGHE ALLUMINIUM	RAME E SUE LEGHE COPPER	NON METALLICI PLASTICS	LEGHE RESIST. CALORE HIGH TEMP. ALLOY	TITANIO E SUE LEGHE TITANIUM	ACCIAIO TEMPRATO HARDENED STEEL	GRAFITE GRAPHITE					
	●															3÷5	80	0,14	6369	892
	●															5÷8	80	0,20	3920	784
	●															8÷12	80	0,24	2548	611
	●															12÷16	80	0,28	1820	510
	●															16÷20	80	0,28	1415	396
			●													3÷5	50	0,12	3981	478
			●													5÷8	50	0,16	2450	392
			●													8÷12	50	0,19	1592	302
			●													12÷16	50	0,19	1137	216
			●													16÷20	50	0,23	885	204
				●												3÷5	45	0,12	3583	430
				●												5÷8	45	0,16	2205	353
				●												8÷12	45	0,19	1433	272
				●												12÷16	45	0,19	1024	194
				●												16÷20	45	0,23	796	183
						●										3÷5	70	0,20	5573	1115
						●										5÷8	70	0,28	3430	960
						●										8÷12	70	0,35	2229	780
						●										12÷16	70	0,40	1592	637
						●										16÷20	70	0,40	1238	495
							●									3÷5	60	0,14	4777	669
							●									5÷8	60	0,20	2940	588
							●									8÷12	60	0,24	1911	459
							●									12÷16	60	0,28	1365	382
							●									16÷20	60	0,28	1061	297
								●								3÷5	50	0,15	3981	597
								●								5÷8	50	0,22	2450	539
								●								8÷12	50	0,27	1592	430
								●								12÷16	50	0,29	1137	330
								●								16÷20	50	0,29	885	257

● APPLICAZIONE CONSIGLIATA-RECOMMENDED APPLICATION
EMPFOHLENER EINSATZ - APPLICATION CONSEILLÉE

○ APPLICAZIONE POSSIBILE - POSSIBLE APPLICATION
MÖGLICHE ANWENDUNG - APPLICATION POSSIBLE

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

n = giri/min (min^{-1}) NUMERO DI GIRI - NUMBER OF REVOLUTIONS

fn = mm AVANZAMENTO AL GIRO - FEED / REVOLUTION

Vf = mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED

SPFAR5

GENERICO / *ALL PURPOSE*

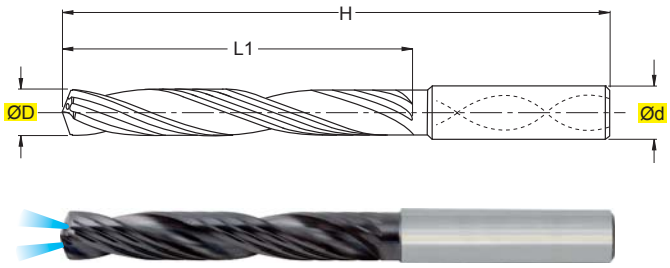
RIVESTIM. COATED **TIALN**

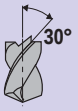
5xD

MG

ØD = 2,97 - 20,02

NEW





TOLLERANZE / TOLLERANCE RANGE	D	d
	±0,003	h6

(mm)

ART.	ØD	Ød	H	L1
SPFAR5 2.97	2,97	6,0	66	28
SPFAR5 2.98	2,98	6,0	66	28
SPFAR5 2.99	2,99	6,0	66	28
SPFAR5 3.00	3,00	6,0	66	28
*SPFAR5 3.01	3,01	6,0	66	28
SPFAR5 3.02	3,02	6,0	66	28
SPFAR5 3.97	3,97	6,0	82	44
SPFAR5 3.98	3,98	6,0	82	44
SPFAR5 3.99	3,99	6,0	82	44
SPFAR5 4.00	4,00	6,0	82	44
*SPFAR5 4.01	4,01	6,0	82	44
SPFAR5 4.02	4,02	6,0	82	44
SPFAR5 4.97	4,97	6,0	82	44
SPFAR5 4.98	4,98	6,0	82	44
SPFAR5 4.99	4,99	6,0	82	44
SPFAR5 5.00	5,00	6,0	82	44
*SPFAR5 5.01	5,01	6,0	82	44
SPFAR5 5.02	5,02	6,0	82	44
SPFAR5 5.97	5,97	6,0	82	44
SPFAR5 5.98	5,98	6,0	82	44
SPFAR5 5.99	5,99	6,0	82	44
SPFAR5 6.00	6,00	6,0	82	44
*SPFAR5 6.01	6,01	6,0	82	44
SPFAR5 6.02	6,02	6,0	82	44
SPFAR5 6.97	6,97	8,0	91	53
SPFAR5 6.98	6,98	8,0	91	53
SPFAR5 6.99	6,99	8,0	91	53
SPFAR5 7.00	7,00	8,0	91	53
*SPFAR5 7.01	7,01	8,0	91	53
SPFAR5 7.02	7,02	8,0	91	53
SPFAR5 7.97	7,97	8,0	91	53
SPFAR5 7.98	7,98	8,0	91	53
SPFAR5 7.99	7,99	8,0	91	53
SPFAR5 8.00	8,00	8,0	91	53
*SPFAR5 8.01	8,01	8,0	91	53
SPFAR5 8.02	8,02	8,0	91	53
SPFAR5 8.97	8,97	10,0	103	61
SPFAR5 8.98	8,98	10,0	103	61
SPFAR5 8.99	8,99	10,0	103	61
SPFAR5 9.00	9,00	10,0	103	61
*SPFAR5 9.01	9,01	10,0	103	61
SPFAR5 9.02	9,02	10,0	103	61
SPFAR5 9.97	9,97	10,0	103	61
SPFAR5 9.98	9,98	10,0	103	61
SPFAR5 9.99	9,99	10,0	103	61

(mm)

ART.	ØD	Ød	H	L1
SPFAR5 10.00	10,00	10,0	103	61
*SPFAR5 10.01	10,01	10,0	103	61
SPFAR5 10.02	10,02	10,0	103	61
SPFAR5 10.97	10,97	12,0	118	71
SPFAR5 10.98	10,98	12,0	118	71
SPFAR5 10.99	10,99	12,0	118	71
SPFAR5 11.00	11,00	12,0	118	71
*SPFAR5 11.01	11,01	12,0	118	71
SPFAR5 11.02	11,02	12,0	118	71
SPFAR5 11.97	11,97	12,0	118	71
SPFAR5 11.98	11,98	12,0	118	71
SPFAR5 11.99	11,99	12,0	118	71
SPFAR5 12.00	12,00	12,0	118	71
*SPFAR5 12.01	12,01	12,0	118	71
SPFAR5 12.02	12,02	12,0	118	71
SPFAR5 12.97	12,97	14,0	124	77
SPFAR5 12.98	12,98	14,0	124	77
SPFAR5 12.99	12,99	14,0	124	77
SPFAR5 13.00	13,00	14,0	124	77
*SPFAR5 13.01	13,01	14,0	124	77
SPFAR5 13.02	13,02	14,0	124	77
SPFAR5 13.97	13,97	14,0	124	77
SPFAR5 13.98	13,98	14,0	124	77
SPFAR5 13.99	13,99	14,0	124	77
SPFAR5 14.00	14,00	14,0	124	77
*SPFAR5 14.01	14,01	14,0	124	77
SPFAR5 14.02	14,02	14,0	124	77
SPFAR5 14.97	14,97	16,0	133	83
SPFAR5 14.98	14,98	16,0	133	83
SPFAR5 14.99	14,99	16,0	133	83
SPFAR5 15.00	15,00	16,0	133	83
*SPFAR5 15.01	15,01	16,0	133	83
SPFAR5 15.02	15,02	16,0	133	83
SPFAR5 15.97	15,97	16,0	133	83
SPFAR5 15.98	15,98	16,0	133	83
SPFAR5 15.99	15,99	16,0	133	83
SPFAR5 16.00	16,00	16,0	133	83
*SPFAR5 16.01	16,01	16,0	133	83
SPFAR5 16.02	16,02	16,0	133	83
SPFAR5 16.97	16,97	18,0	143	93
SPFAR5 16.98	16,98	18,0	143	93
SPFAR5 16.99	16,99	18,0	143	93
SPFAR5 17.00	17,00	18,0	143	93
*SPFAR5 17.01	17,01	18,0	143	93
SPFAR5 17.02	17,02	18,0	143	93

(mm)

ART.	ØD	Ød	H	L1
SPFAR5 17.97	17,97	18,0	143	93
SPFAR5 17.98	17,98	18,0	143	93
SPFAR5 17.99	17,99	18,0	143	93
SPFAR5 18.00	18,00	18,0	143	93
*SPFAR5 18.01	18,01	18,0	143	93
SPFAR5 18.02	18,02	18,0	143	93
SPFAR5 18.97	18,97	20,0	153	101
SPFAR5 18.98	18,98	20,0	153	101
SPFAR5 18.99	18,99	20,0	153	101
SPFAR5 19.00	19,00	20,0	153	101
*SPFAR5 19.01	19,01	20,0	153	101
SPFAR5 19.02	19,02	20,0	153	101
SPFAR5 19.97	19,97	20,0	153	101
SPFAR5 19.98	19,98	20,0	153	101
SPFAR5 19.99	19,99	20,0	153	101
SPFAR5 20.00	20,00	20,0	153	101
*SPFAR5 20.01	20,01	20,0	153	101
SPFAR5 20.02	20,02	20,0	153	101

* = PER OTTENERE FORI IN TOLLERANZA H7

* = TO OBTAIN BORES IN H7 TOLERANCE

* = UM BOHRUNGEN IN H7-TOLERANZ ZU ERHALTEN

* = POUR OBTENIR DES TROUS DANS LA TOLÉRANCE H7

PAG. H 28

MATERIALI - MATERIALS Pag. H 73

Applicazione - Application	P				M	K			N			S		H	G	(mm) ØD	(m/min) Vc	(mm) fn	(mm) n	(mm) Vf
	ACCIAIO NON LEGATO NOT ALLOY STEEL	ACCIAIO POCO LEGATO LOW ALLOY STEEL	ACCIAIO ALTO LEGATO ALLOY STEEL	INOX MARTENSITICO STAINLESS STEEL MART.	INOX AUST. DUPLEX STAINLESS STEEL AUST.	GHISA GRIGIA GREY CAST IRON	GHISA SFEROIDALE SPHEROIDAL GRAPHITE	GHISA MALLEABILE MALLEABLE CAST IRON	ALLUMINIO E SUE LEGHE ALUMINIUM	RAME E SUE LEGHE COPPER	NON METALLICI PLASTICS	LEGHE RESIST. CALORE HIGH TEMP. ALLOY	TITANIO E SUE LEGHE TITANIUM	ACCIAIO TEMPRATO HARDENED STEEL	GRAFITE GRAPHITE					
	●															3÷5	80	0,11	6369	700
	●															5÷8	80	0,16	3920	627
	●															8÷12	80	0,19	2548	484
	●															12÷16	80	0,22	1820	400
	●															16÷20	80	0,22	1415	311
			●													3÷5	50	0,10	3981	398
			●													5÷8	50	0,13	2450	318
			●													8÷12	50	0,16	1592	255
			●													12÷16	50	0,16	1137	182
			●													16÷20	50	0,18	885	159
				●												3÷5	45	0,10	3583	358
				●												5÷8	45	0,13	2205	287
				●												8÷12	45	0,16	1433	229
				●												12÷16	45	0,16	1024	164
				●												16÷20	45	0,18	796	143
						●										3÷5	70	0,16	5573	892
						●										5÷8	70	0,22	3430	755
						●										8÷12	70	0,28	2229	624
						●										12÷16	70	0,32	1592	509
						●										16÷20	70	0,32	1238	396
							●									3÷5	60	0,11	4777	525
							●									5÷8	60	0,16	2940	470
							●									8÷12	60	0,19	1911	363
							●									12÷16	60	0,22	1365	300
							●									16÷20	60	0,22	1061	233
								●								3÷5	50	0,12	3981	478
								●								5÷8	50	0,17	2450	416
								●								8÷12	50	0,21	1592	334
								●								12÷16	50	0,23	1137	261
								●								16÷20	50	0,23	885	203

● APPLICAZIONE CONSIGLIATA-RECOMMENDED APPLICATION
EMPFOHLENER EINSATZ - APPLICATION CONSEILLÉE

○ APPLICAZIONE POSSIBILE - POSSIBLE APPLICATION
MÖGLICHE ANWENDUNG - APPLICATION POSSIBLE

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

n = giri/min (min^{-1}) NUMERO DI GIRI - NUMBER OF REVOLUTIONS

fn = mm AVANZAMENTO AL GIRO - FEED / REVOLUTION

Vf = mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED