

# FMSR ... N

GENERICO / ALL PURPOSE

TOLLERANZE  
 TOLERANCE RANGE

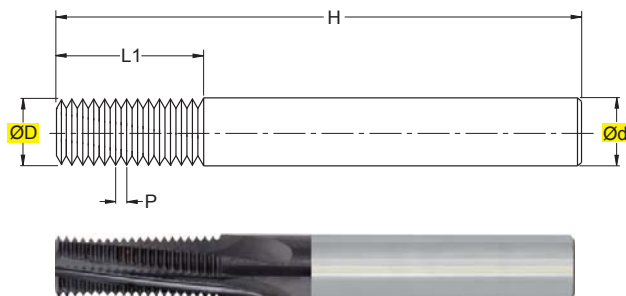
D	d
e8	h6

RIVESTIM.  
 COATED  
**TIALN**



MG

ØD = 3,10 - 20



> PER FILETTATURE ISO 60°  
 > ATTACCO DIN 6535 HA  
 > RIVESTIMENTO TIALN

> FOR ISO 60° THREAD  
 > SHANK DIN 6535 HA  
 > TIALN COATED

ART.	(mm)		H	L1	Z	Filetti utili Thread useful	P/mm	Preforo d. Prebore	Filetto eseguibile Thread type
	ØD	Ød							
FMSR 031.070 N	3,1	6	55	8	3	11	0,70	3,3	M4
FMSR 040.080 N	4,0	6	55	12	3	15	0,80	4,2	M5
FMSR 045.075 N	4,5	6	55	12	3	16	0,75	8,3	MF9
FMSR 045.100 N	4,5	6	55	12	3	12	1,00	5-6	M6-M7
FMSR 060.075 N	6,0	6	55	15	3	20	0,75	7,2	MF8
FMSR 060.100 N	6,0	6	55	15	3	15	1,00	7	MF8
FMSR 060.125 N	6,0	6	55	15	3	12	1,25	6,8-7,8-8,8	M8-M9-MF10
FMSR 080.075 N	8,0	8	66	20	3	26	0,75	9,2-11,2	MF10-MF12
FMSR 080.100 N	8,0	8	66	20	3	20	1,00	9-11	MF10-MF12
FMSR 080.125 N	8,0	8	66	20	3	16	1,25	9	MF10
FMSR 080.150 N	8,0	8	66	20	3	13	1,50	8,5-9,5-10,5	M10-M11-MF12
FMSR 080.175 N	8,0	8	66	20	4	11	1,75	10,2	M12
FMSR 100.100 N	10,0	10	80	25	4	25	1,00	11	MF12
FMSR 100.125 N	10,0	10	80	25	4	20	1,25	12,8	MF14
FMSR 100.150 N	10,0	10	80	25	4	16	1,50	12,5	MF14
FMSR 100.200 N	10,0	10	80	25	4	12	2,00	12	M14
FMSR 120.100 N	12,0	12	82	30	4	30	1,00	13	MF14
FMSR 120.150 N	12,0	12	82	30	4	20	1,50	14,5	MF16
FMSR 120.200 N	12,0	12	82	30	4	15	2,00	14	M16
FMSR 140.100 N	14,0	14	100	35	4	35	1,00	15	MF16
FMSR 140.150 N	14,0	14	100	35	4	23	1,50	16,5	MF18
FMSR 140.200 N	14,0	14	100	35	4	17	2,00	16	MF18
FMSR 140.250 N	14,0	14	100	35	4	14	2,50	15,5	M18
FMSR 160.100 N	16,0	16	100	40	5	40	1,00	17-19	MF18-MF20
FMSR 160.150 N	16,0	16	100	40	5	26	1,50	18,5-20,5	MF20-MF22
FMSR 160.200 N	16,0	16	100	40	5	20	2,00	18-20	MF20-MF22
FMSR 160.250 N	16,0	16	100	40	5	16	2,50	17,5-19,5	M20-M22
FMSR 200.100 N	20,0	20	110	40	5	40	1,00	21>	MF22>
FMSR 200.150 N	20,0	20	110	40	5	26	1,50	22,5>	MF24>
FMSR 200.200 N	20,0	20	110	40	5	20	2,00	22>	MF24>
FMSR 200.300 N	20,0	20	110	40	5	13	3,00	21>	MF24>

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47

# FMSR ... F

GENERICO / ALL PURPOSE

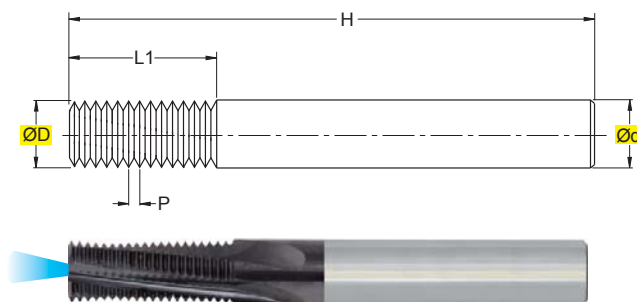
TOLLERANZE TOLERANCE RANGE	D e8	d h6
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RIVESTIM.  
COATED  
**TIALN**



MG

$\varnothing D = 3,10 - 20$



> PER FILETTATURE ISO 60°  
 > ATTACCO DIN 6535 HA  
 > RIVESTIMENTO TIALN

> FOR ISO 60° THREAD  
 > SHANK DIN 6535 HA  
 > TIALN COATED

ART.	ØD (mm)	Ød (mm)	H (mm)	L1 (mm)	Z	Filetti utili Thread useful	P/mm	Preforo d. Prebore	Filetto eseguibile Thread type
FMSR 031.070 F	3,1	6	55	8	3	11	0,70	3,3	M4
FMSR 040.080 F	4,0	6	55	12	3	15	0,80	4,2	M5
FMSR 045.075 F	4,5	6	55	12	3	16	0,75	8,3	MF9
FMSR 045.100 F	4,5	6	55	12	3	12	1,00	5-6	M6-M7
FMSR 060.075 F	6,0	6	55	15	3	20	0,75	7,2	MF8
FMSR 060.100 F	6,0	6	55	15	3	15	1,00	7	MF8
FMSR 060.125 F	6,0	6	55	15	3	12	1,25	6,8-7,8-8,8	M8-M9-MF10
FMSR 080.075 F	8,0	8	66	20	3	26	0,75	9,2-11,2	MF10-MF12
FMSR 080.100 F	8,0	8	66	20	3	20	1,00	9-11	MF10-MF12
FMSR 080.125 F	8,0	8	66	20	3	16	1,25	9	MF10
FMSR 080.150 F	8,0	8	66	20	3	13	1,50	8,5-9,5-10,5	M10-M11-MF12
FMSR 080.175 F	8,0	8	66	20	4	11	1,75	10,2	M12
FMSR 100.100 F	10,0	10	80	25	4	25	1,00	11	MF12
FMSR 100.125 F	10,0	10	80	25	4	20	1,25	12,8	MF14
FMSR 100.150 F	10,0	10	80	25	4	16	1,50	12,5	MF14
FMSR 100.200 F	10,0	10	80	25	4	12	2,00	12	M14
FMSR 120.100 F	12,0	12	82	30	4	30	1,00	13	MF14
FMSR 120.150 F	12,0	12	82	30	4	20	1,50	14,5	MF16
FMSR 120.200 F	12,0	12	82	30	4	15	2,00	14	M16
FMSR 140.100 F	14,0	14	100	35	4	35	1,00	15	MF16
FMSR 140.150 F	14,0	14	100	35	4	23	1,50	16,5	MF18
FMSR 140.200 F	14,0	14	100	35	4	17	2,00	16	MF18
FMSR 140.250 F	14,0	14	100	35	4	14	2,50	15,5	M18
FMSR 160.100 F	16,0	16	100	40	5	40	1,00	17-19	MF18-MF20
FMSR 160.150 F	16,0	16	100	40	5	26	1,50	18,5-20,5	MF20-MF22
FMSR 160.200 F	16,0	16	100	40	5	20	2,00	18-20	MF20-MF22
FMSR 160.250 F	16,0	16	100	40	5	16	2,50	17,5-19,5	M20-M22
FMSR 200.100 F	20,0	20	110	40	5	40	1,00	21>	MF22>
FMSR 200.150 F	20,0	20	110	40	5	26	1,50	22,5>	MF24>
FMSR 200.200 F	20,0	20	110	40	5	20	2,00	22>	MF24>
FMSR 200.300 F	20,0	20	110	40	5	13	3,00	21>	MF24>

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47

# FGSR ... N

GENERICO / ALL PURPOSE

TOLLERANZE  
 TOLERANCE RANGE

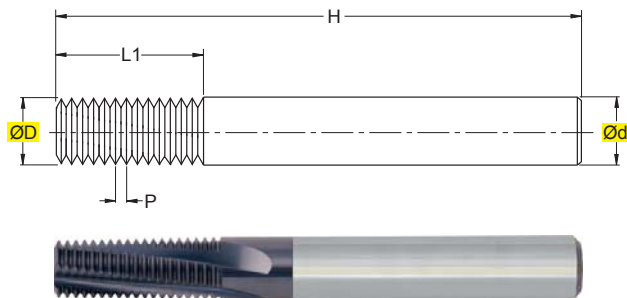
D	d
e8	h6

RIVESTIM.  
 COATED  
**TIALN**



MG

ØD = 8 - 20



> PER FILETTATURE WHITWORTH 55° GAS  
 > ATTACCO DIN 6535 HA  
 > RIVESTIMENTO TIALN

> FOR WHITWORTH 55° GAS THREAD  
 > SHANK DIN 6535 HA  
 > TIALN COATED

ART.	(mm)		H	L1	Z	Filetti utili Thread useful	P/tpi	Preforo d. Prebore	Filetto eseguibile Thread type
	ØD	Ød							
FGSR 080.028 N	8	8	66	20	3	22	28	8,7	1/8"
FGSR 100.019 N	10	10	80	25	4	18	19	11,8	1/4"
FGSR 140.019 N	14	14	100	35	4	26	19	15,25	3/8"
FGSR 160.014 N	16	16	100	40	5	22	14	19	1/2"
FGSR 200.014 N	20	20	110	40	5	22	14	21-24,5-28,25	5/8"-3/4"-7/8"
FGSR 200.011 N	20	20	110	40	5	17	11	30,75	1">



P/tpi = FILETTI PER POLLICE  
 P/tpi = THREADS FOR INCH-SIZES  
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN  
 P/tpi = FILETS POUR POUÇES

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47

# FUSR ... N

GENERICO / ALL PURPOSE

TOLLERANZE  
 TOLERANCE RANGE

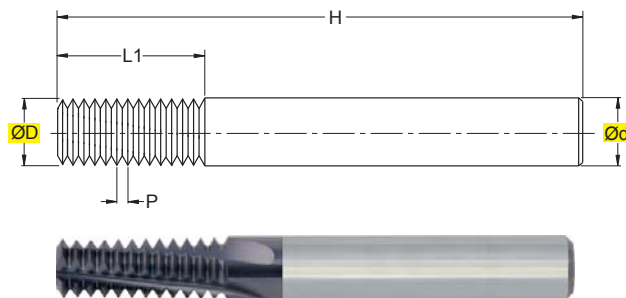
D	d
e8	h6

RIVESTIM.  
 COATED  
**TIALN**



MG

$\varnothing D = 4,5 - 20$







- > PER FILETTATURE UN 60° (UNC-UNF)
- > ATTACCO DIN 6535 HA
- > RIVESTIMENTO TIALN

- > UN 60° (UNC-UNF) THREAD
- > SHANK DIN 6535 HA
- > TIALN COATED

ART.	ØD (mm)	Ød (mm)	H (mm)	L1 (mm)	Z	Filetti utili Thread useful	P/tpi	Preforo d. Prebore	Filetto eseguibile Thread type
FUSR 045.020 N	4,5	6	55	12	3	9	20	5,2	UNC 1/4"
FUSR 045.028 N	4,5	6	55	12	3	13	28	5,5	UNF 1/4"
FUSR 055.018 N	5,5	6	55	15	3	10	18	6,6	UNC 5/16"
FUSR 055.024 N	5,5	6	55	15	3	14	24	6,9	UNF 5/16"
FUSR 075.016 N	7,5	8	66	20	3	12	16	8,5	UNC 3/8"
FUSR 080.014 N	8,0	8	66	20	3	11	14	9,4	UNC 7/16"
FUSR 080.020 N	8,0	8	66	20	3	15	20	9,9	UNF 7/16"
FUSR 080.024 N	8,0	8	66	20	3	18	24	8,5	UNF 3/8"
FUSR 100.012 N	10,0	10	80	25	4	11	12	12,2	UNC 9/16"
FUSR 100.013 N	10,0	10	80	25	4	12	13	10,8	UNC 1/2"
FUSR 100.018 N	10,0	10	80	25	4	21	18	12,9-14,5	UNF 9/16"-5/8"
FUSR 100.020 N	10,0	10	80	25	4	19	20	11,5	UNF 1/2"
FUSR 120.018 N	12,0	12	82	30	4	21	18	12,9-14,5	UNF 9/16"-5/8"
FUSR 120.011 N	12,0	12	82	30	4	13	11	13,6	UNC 5/8"
FUSR 155.016 N	15,5	16	100	40	5	25	16	17,5	UNF 3/4"
FUSR 155.010 N	15,5	16	100	40	5	15	10	16,5	UNC 3/4"
FUSR 155.014 N	15,5	16	100	40	5	22	14	20,5	UNF 7/8"
FUSR 180.009 N	18,0	18	110	40	5	15	9	19,5	UNF 7/8"
FUSR 180.014 N	18,0	18	110	40	5	22	14	19,5	UNC 7/8"
FUSR 200.008 N	20,0	20	110	40	5	12	8	23,25	UNF 1"
FUSR 200.012 N	20,0	20	110	40	5	18	12	22,25	UNC 1"

 P/tpi = FILETTI PER POLLICE  
 P/tpi = THREADS FOR INCH-SIZES  
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN  
 P/tpi = FILETS POUR POUCES

 PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47

# FTSR ... N

GENERICO / ALL PURPOSE

TOLLERANZE  
 TOLERANCE RANGE

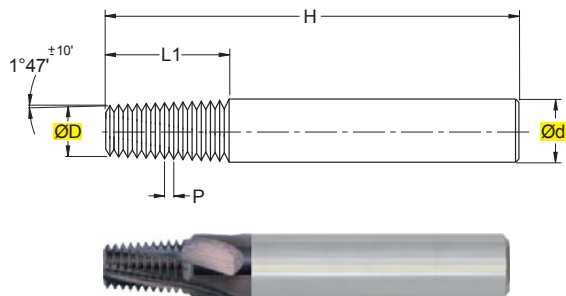
D	d
	h6

RIVESTIM.  
 COATED  
**TIALN**



MG

$\varnothing D = 5,9 - 19,6$



> PER FILETTATURE NPTCONICHE 60°  
 > ATTACCO DIN 6535 HA  
 > RIVESTIMENTO TIALN

> FOR 60° TAPERED NPT-NPTF THREAD  
 > SHANK DIN 6535 HA  
 > TIALN COATED

ART.	(mm)		H	L1	Z	Filetti utili Thread useful	P	Preforo d. Prebore	Filetto eseguibile Thread type
	$\varnothing D$	$\varnothing d$							
FTSR 059.27° N	5,90	8	55	9,88	3	10	27	6,3	1/16"
FTSR 076.27° N	7,65	8	55	9,88	3	10	27	8,5	1/8"
FTSR 101.18° N	10,15	12	75	14,82	4	10	18	11,1	1/4"
FTSR 111.18° N	11,15	12	75	14,82	4	10	18	14,5	3/8"
FTSR 142.14° N	14,25	16	80	19,05	4	10	14	18-23	1/2"-3/4"
FTSR 196.11° N	19,60	20	90	23,19	5	12	11 1/2	29-44-56	1"-1"1/2-2"

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47

# FMAN ... F

ALLUMINIO / ALUMINIUM

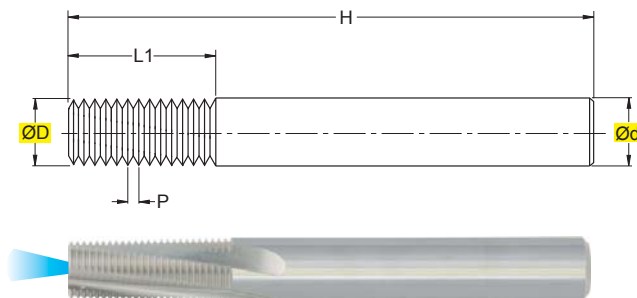
TOLLERANZE  
 TOLLERANCE RANGE

D	d
e8	h6



MG

ØD = 3,10 - 20



> PER FILETTATURE ISO 60°  
 > ATTACCO DIN 6535 HA

> FOR ISO 60° THREAD  
 > SHANK DIN 6535 HA

ART.	ØD (mm)	Ød (mm)	H (mm)	L1 (mm)	Z	Filetti utili Thread useful	P/mm	Preforo d. Prebore	Filetto eseguibile Thread type
FMAN 031.070 F	3,1	6	55	8	3	11	0,70	3,3	M4
FMAN 040.080 F	4,0	6	55	12	3	15	0,80	4,2	M5
FMAN 045.075 F	4,5	6	55	12	3	16	0,75	8,3	MF9
FMAN 045.100 F	4,5	6	55	12	3	12	1,00	5-6	M6-M7
FMAN 060.075 F	6,0	6	55	15	3	20	0,75	7,2	MF8
FMAN 060.100 F	6,0	6	55	15	3	15	1,00	7	MF8
FMAN 060.125 F	6,0	6	55	15	3	12	1,25	6,8-7,8-8,8	M8-M9-MF10
FMAN 080.075 F	8,0	8	66	20	3	26	0,75	9,2-11,2	MF10-MF12
FMAN 080.100 F	8,0	8	66	20	3	20	1,00	9-11	MF10-MF12
FMAN 080.125 F	8,0	8	66	20	3	16	1,25	9	MF10
FMAN 080.150 F	8,0	8	66	20	3	13	1,50	8,5-9,5-10,5	M10-M11-MF12
FMAN 080.175 F	8,0	8	66	20	4	11	1,75	10,2	M12
FMAN 100.100 F	10,0	10	80	25	4	25	1,00	11	MF12
FMAN 100.125 F	10,0	10	80	25	4	20	1,25	12,8	MF14
FMAN 100.150 F	10,0	10	80	25	4	16	1,50	12,5	MF14
FMAN 100.200 F	10,0	10	80	25	4	12	2,00	12	M14
FMAN 120.100 F	12,0	12	82	30	4	30	1,00	13	MF14
FMAN 120.150 F	12,0	12	82	30	4	20	1,50	14,5	MF16
FMAN 120.200 F	12,0	12	82	30	4	15	2,00	14	M16
FMAN 140.100 F	14,0	14	100	35	4	35	1,00	15	MF16
FMAN 140.150 F	14,0	14	100	35	4	23	1,50	16,5	MF18
FMAN 140.200 F	14,0	14	100	35	4	17	2,00	16	MF18
FMAN 140.250 F	14,0	14	100	35	4	14	2,50	15,5	M18
FMAN 160.100 F	16,0	16	100	40	5	40	1,00	17-19	MF18-MF20
FMAN 160.150 F	16,0	16	100	40	5	26	1,50	18,5-20,5	MF20-MF22
FMAN 160.200 F	16,0	16	100	40	5	20	2,00	18-20	MF20-MF22
FMAN 160.250 F	16,0	16	100	40	5	16	2,50	17,5-19,5	M20-M22
FMAN 200.100 F	20,0	20	110	40	5	40	1,00	21>	MF22>
FMAN 200.150 F	20,0	20	110	40	5	26	1,50	22,5>	MF24>
FMAN 200.200 F	20,0	20	110	40	5	20	2,00	22>	MF24>
FMAN 200.300 F	20,0	20	110	40	5	13	3,00	21>	MF24>

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47



# FGAN ... F

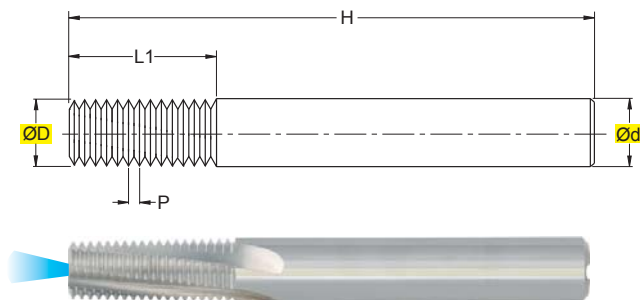
ALLUMINIO / ALUMINIUM

TOLLERANZE  
 TOLERANCE RANGE

D	d
e8	h6



ØD = 8 - 20



> PER FILETTATURE WHITWORTH 55° GAS  
 > ATTACCO DIN 6535 HA

> FOR WHITWORTH 55° GAS THREAD  
 > SHANK DIN 6535 HA

MG

ART.	(mm)		H	L1	Z	Filetti utili Thread useful	P/tpi	Preforo d. Prebore	Filetto eseguibile Thread type
FGAN 080.028 F	ØD	Ød	66	20	3	22	28	8,7	1/8"
FGAN 100.019 F	10	10	80	25	4	18	19	11,8	1/4"
FGAN 140.019 F	14	14	100	35	4	26	19	15,25	3/8"
FGAN 160.014 F	16	16	100	40	5	22	14	19	1/2"
FGAN 200.014 F	20	20	110	40	5	22	14	21-24,5-28,25	5/8"-3/4"-7/8"
FGAN 200.011 F	20	20	110	40	5	17	11	30,75	1">



P/tpi = FILETTI PER POLLICE  
 P/tpi = THREADS FOR INCH-SIZES  
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN  
 P/tpi = FILETS POUR POUÇES

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47



# FUAN ... F

ALLUMINIO / ALUMINIUM

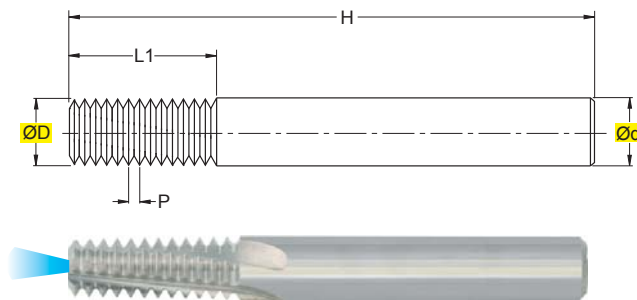
TOLLERANZE  
 TOLERANCE RANGE

D	d
e8	h6



MG

ØD = 4,5 - 20



> PER FILETTATURE UN 60° (UNC-UNF)  
 > ATTACCO DIN 6535 HA

> UN 60° (UNC-UNF) THREAD  
 > SHANK DIN 6535 HA

ART.	ØD (mm)	Ød (mm)	H (mm)	L1 (mm)	Z	Filetti utili Thread useful	P/tpi	Preforo d. Prebore	Filetto eseguibile Thread type
FUAN 045.020 F	4,5	6	55	12	3	9	20	5,2	UNC 1/4"
FUAN 045.028 F	4,5	6	55	12	3	13	28	5,5	UNF 1/4"
FUAN 055.018 F	5,5	6	55	15	3	10	18	6,6	UNC 5/16"
FUAN 055.024 F	5,5	6	55	15	3	14	24	6,9	UNF 5/16"
FUAN 075.016 F	7,5	8	66	20	3	12	16	8,5	UNC 3/8"
FUAN 080.014 F	8,0	8	66	20	3	11	14	9,4	UNC 7/16"
FUAN 080.020 F	8,0	8	66	20	3	15	20	9,9	UNF 7/16"
FUAN 080.024 F	8,0	8	66	20	3	18	24	8,5	UNF 3/8"
FUAN 100.012 F	10,0	10	80	25	4	11	12	12,2	UNC 9/16"
FUAN 100.013 F	10,0	10	80	25	4	12	13	10,8	UNC 1/2"
FUAN 100.018 F	10,0	10	80	25	4	21	18	12,9-14,5	UNF 9/16"-5/8"
FUAN 100.020 F	10,0	10	80	25	4	19	20	11,5	UNF 1/2"
FUAN 120.018 F	12,0	12	82	30	4	21	18	12,9-14,5	UNF 9/16"-5/8"
FUAN 120.011 F	12,0	12	82	30	4	13	11	13,6	UNC 5/8"
FUAN 155.016 F	15,5	16	100	40	5	25	16	17,5	UNF 3/4"
FUAN 155.010 F	15,5	16	100	40	5	15	10	16,5	UNC 3/4"
FUAN 155.014 F	15,5	16	100	40	5	22	14	20,5	UNF 7/8"
FUAN 180.009 F	18,0	18	110	40	5	15	9	19,5	UNF 7/8"
FUAN 180.014 F	18,0	18	110	40	5	22	14	19,5	UNC 7/8"
FUAN 200.008 F	20,0	20	110	40	5	12	8	23,25	UNF 1"
FUAN 200.012 F	20,0	20	110	40	5	18	12	22,25	UNC 1"

P/tpi = FILETTI PER POLLICE  
 P/tpi = THREADS FOR INCH-SIZES  
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN  
 P/tpi = FILETS POUR POUCES

PARAMETRI DI TAGLIO A PAG. H 47  
 CUTTING DATA ON PAGE H 47  
 SCHNITTPARAMETER AUF SEITE H 47  
 PARAMETRES DE COUPE PAGE H 47

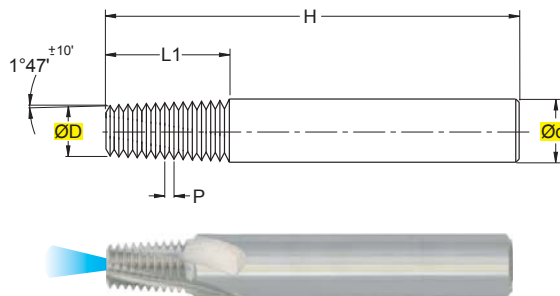


# FTAN ... F

ALLUMINIO / ALUMINIUM

TOLLERANZE	D	d
TOLLERANCE RANGE		h6

ØD = 5,9 - 19,6



> PER FILETTATURE NPT CONICHE 60°  
 > ATTACCO DIN 6535 HA

> FOR 60° TAPERED NPT-NPTF THREAD  
 > SHANK DIN 6535 HA



MG

ART.	(mm)		H	L1	Z	Filetti utili Thread useful	P	Preforo d. Prebore	Filetto eseguibile Thread type
FTAN 059.27° F	5,90	8	55	9,88	3	10	27	6,3	1/16"
FTAN 076.27° F	7,65	8	55	9,88	3	10	27	8,5	1/8"
FTAN 101.18° F	10,15	12	75	14,82	4	10	18	11,1	1/4"
FTAN 111.18° F	11,15	12	75	14,82	4	10	18	14,5	3/8"
FTAN 142.14° F	14,25	16	80	19,05	4	10	14	18-23	1/2"-3/4"
FTAN 196.11° F	19,60	20	90	23,19	5	12	11 1/2	29-44-56	1"-1 3/4-1 1/2-2"

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