



Aerospace

Soluzioni Alberti per Applicazioni Aeronautiche / Alberti Solution for Aerospace Applications

Ali e deriva / Control surfaces

Turboflex

Svasatore/Rivetting holder

Slimline

TR90cn-0,5

T90cn-0,5XXL

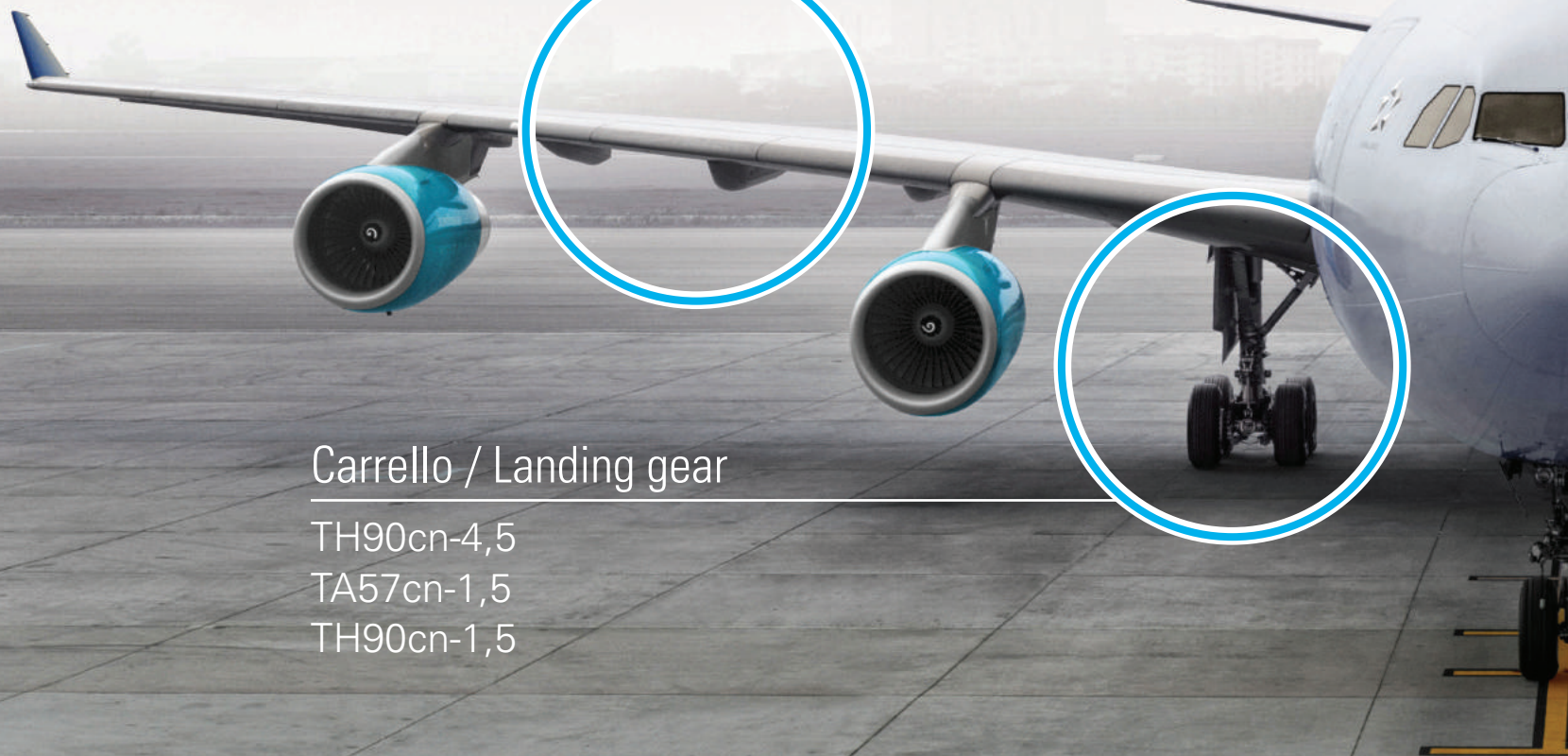
T90cn-0,4 JET INOX

Carrello / Landing gear

TH90cn-4,5

TA57cn-1,5

TH90cn-1,5



Fusoliera / Fuselage

Turboflex

Svasatore/Rivetting holder

Slimline

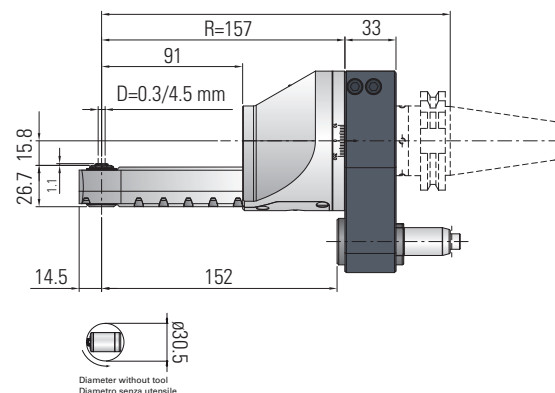
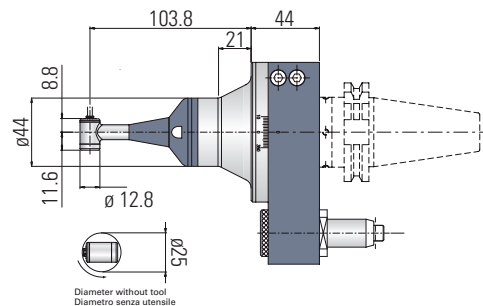
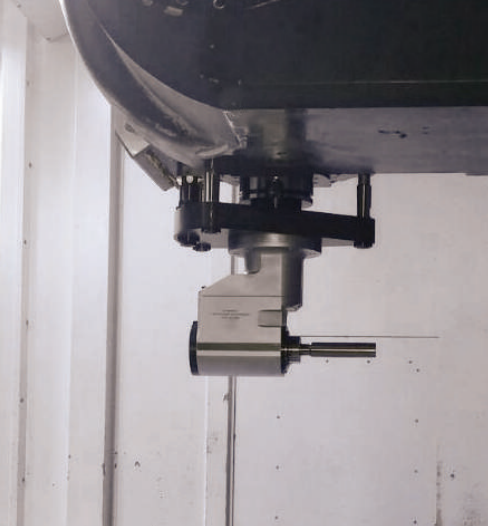
Motore / Engine

T90cn-0,4

TH90cn-4,5

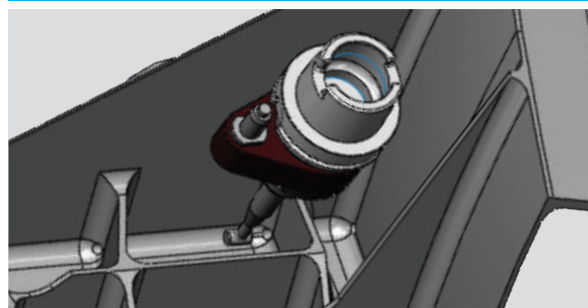
TA57cn-1,5

TA00cn-3,5



TIPO DI TESTA / TYPE OF HEAD

Slimline + IC 300



LAVORAZIONE / APPLICATION

Esecuzione di piccoli fori e contornatura, foratura
Small grooves bores and contouring, drilling

MATERIALE / MATERIAL

Fibre di carbonio / leghe di Alluminio (2024 - 7075)
Carbon fiber / Aluminum alloy (2024 - 7075)

PINZA / CUTTER: Max. 3mm

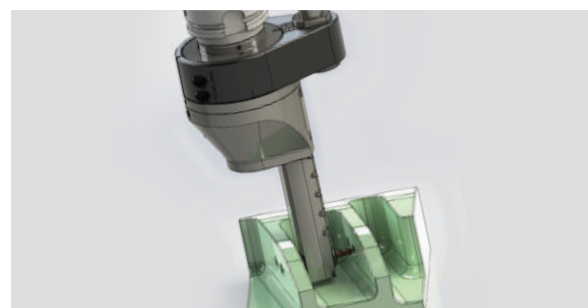
Dati Tecnici / Technical Data

Rapporto / Ratio		3/4
Max. velocità / RPM max.	min ⁻¹	11.000
Peso / Weight	kg	3

Disponibile con altri manipoli
Available with other output spindle

TIPO DI TESTA / TYPE OF HEAD

TR90cn-05



LAVORAZIONE / APPLICATION

Foratura e fresatura
Drilling and milling

MATERIALE / MATERIAL

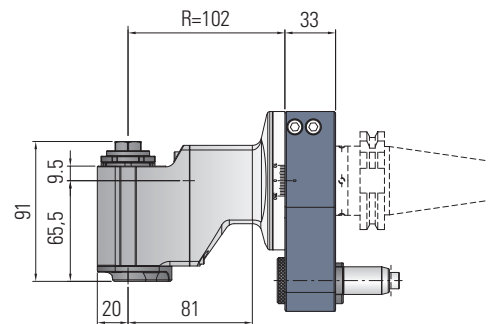
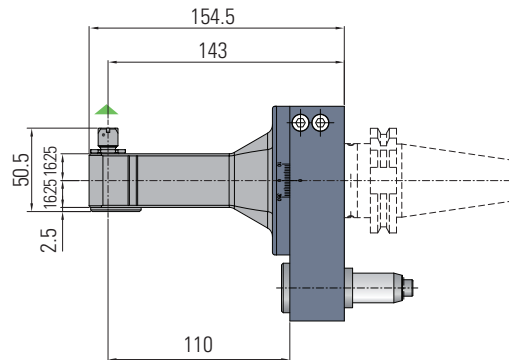
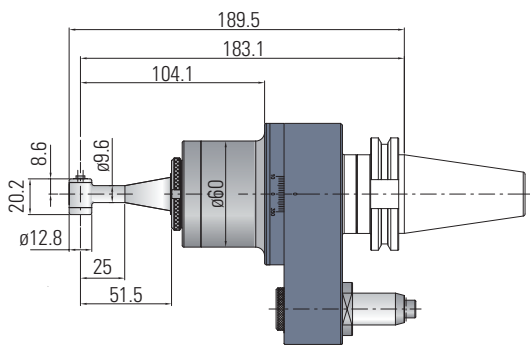
Leghe di alluminio / compositi
Aluminum alloy / composites

PINZA / COLLET: Max. 4,5mm

Dati Tecnici / Technical Data

Rapporto / Ratio		2.4:1
Max. velocità / RPM max.	min ⁻¹	3.500
Max. carico assiale / Max. axial load	N	135
Momento torcente / Torque	Nm	8
Peso / Weight	kg	4,5

Disponibile in altre dimensioni
Available in other sizes



TIPO DI TESTA / TYPE OF HEAD

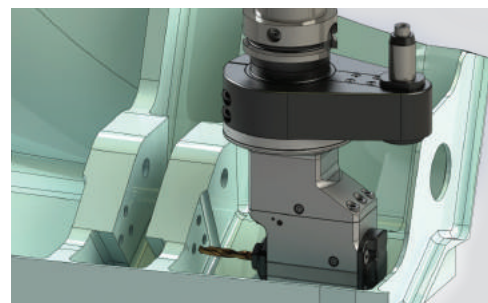
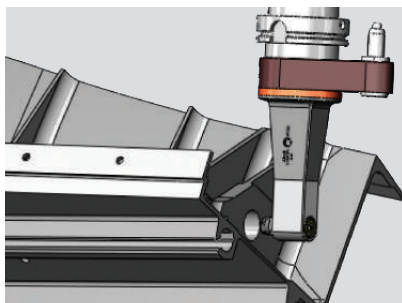
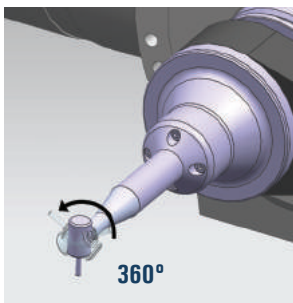
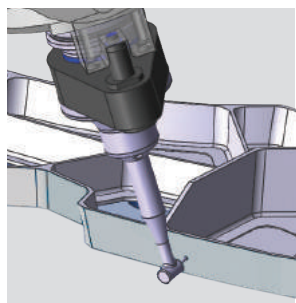
Turboflex Index + IC 300

TIPO DI TESTA / TYPE OF HEAD

T90cn-0,4 JET INOX

TIPO DI TESTA / TYPE OF HEAD

TH90cn-1,5 100 Bar



LAVORAZIONE / APPLICATION

Fori pilot adiacenti a pareti
Pilot holes close to surface frame

AIR
DRIVEN
UNIT

LAVORAZIONE / APPLICATION

Foratura e fresatura in piccoli spazi
Drilling and milling in confined spaces

STAINLESS
STEEL
UNIT

LAVORAZIONE / APPLICATION

Foratura, barenatura e alesatura
Drilling, boring and reaming

HIGH
PRESSURE
UNIT

MATERIALE / MATERIAL

Titanio / leghe di Alluminio (2024 - 7075)
Titanium / Aluminum alloy (2024 - 7075)

PINZA / COLLET: Max. 3mm

Dati Tecnici / Technical Data

Rapporto / Ratio		3/4
Max. velocità / RPM max.	min ⁻¹	30.000
Pressione aria / Air pressure	bar	max. 6 (max. 90 Psi)
Peso / Weight	kg	4

MATERIALE / MATERIAL

Leghe di Alluminio (2024 - 7075)
Aluminum alloy (2024 - 7075)

PINZA / COLLET: ER8 (Ø 0.5-5mm)

Dati Tecnici / Technical Data

Rapporto / Ratio		1:1
Max. velocità / RPM max.	min ⁻¹	10.000
Max. carico assiale / Max. axial load	N	60
Momento torcente / Torque	Nm	4
Peso / Weight	kg	4

Disponibile in altre dimensioni
Available in other sizes

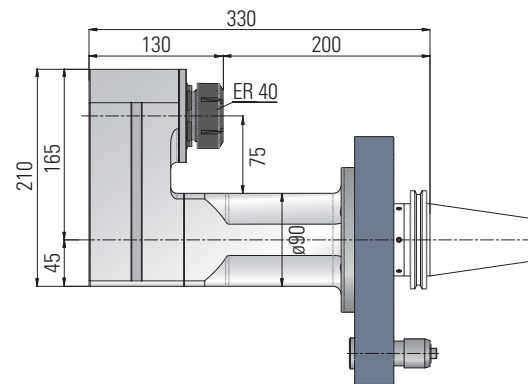
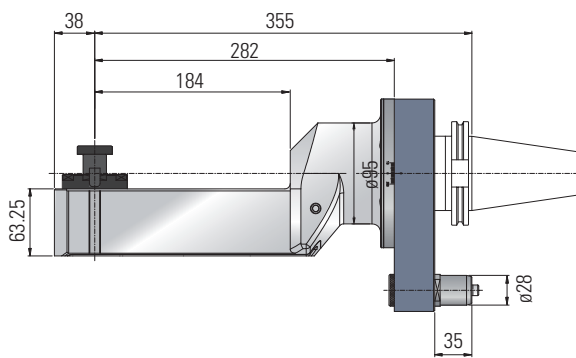
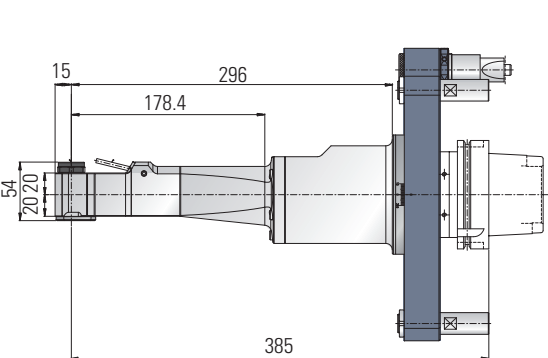
MATERIALE / MATERIAL

Leghe di alluminio
Aluminum alloy

PINZA / COLLET: disponibile con
available with ER-16 / ER25 / ER32 / ER40

Dati Tecnici / Technical Data

Rapporto / Ratio		1:1
Max. velocità / RPM max.	min ⁻¹	10.000
Max. carico assiale / Max. axial load	N	250
Momento torcente / Torque	Nm	15
Peso / Weight	kg	4,5



TIPO DI TESTA / TYPE OF HEAD

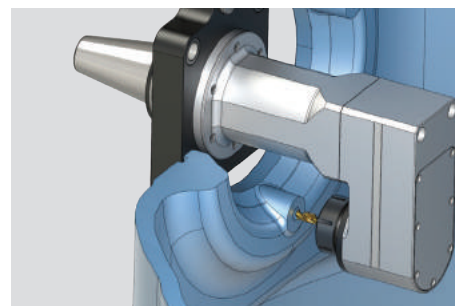
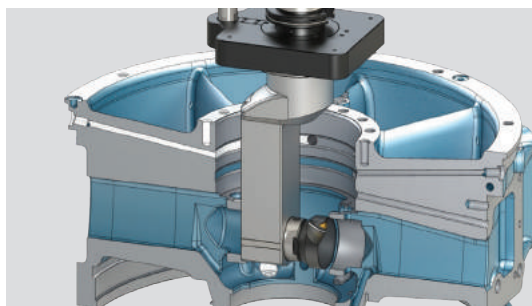
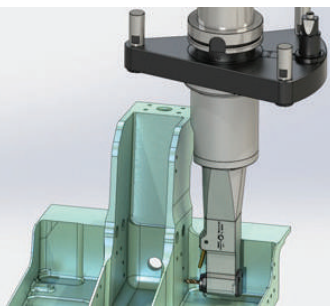
T90cn-0,5XXL

TIPO DI TESTA / TYPE OF HEAD

TR90cn-4,5

TIPO DI TESTA / TYPE OF HEAD

TA00cn-3,5



LAVORAZIONE / APPLICATION

Foratura, fresatura e alesatura
Drilling, milling and reaming

EXTENDED
LENGHT
UNIT

LAVORAZIONE / APPLICATION

Fresatura e barenatura
Milling and boring

LAVORAZIONE / APPLICATION

Foratura e maschiatura
Drilling and Tapping

U-STYLE
UNIT

MATERIALE / MATERIAL

Fibre di carbonio / leghe di Alluminio (2024 - 7075)
Carbon fiber / Aluminum alloy (2024 - 7075)

PINZA / COLLET: ER11 (Ø 0.5-7mm)

Dati Tecnici / Technical Data

Rapporto / Ratio		1:1
Max. velocità / RPM max.	min ⁻¹	6.000
Max. carico assiale / Max. axial load	N	120
Peso / Weight	kg	6,5
Momento torcente / Torque	mm	8Nm

MATERIALE / MATERIAL

Acciaio, titanio e superleghe
Steel, titanium e superalloy

PINZA / COLLET: ER40 (Ø 3 / ø30)

Dati Tecnici / Technical Data

Rapporto / Ratio		1.2:1
Max. velocità / RPM max.	min ⁻¹	4.000
Max. carico assiale / Max. axial load	N	1.200
Momento torcente / Torque	Nm	75
Peso / Weight	kg	21

Disponibile in altre dimensioni
Available in other sizes

MATERIALE / MATERIAL

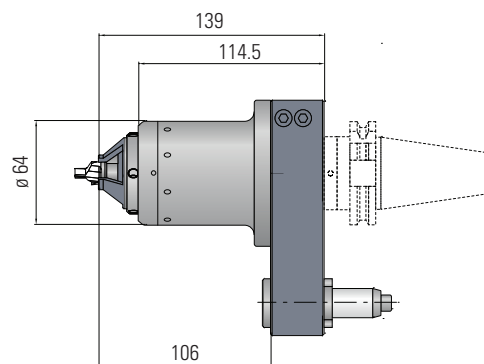
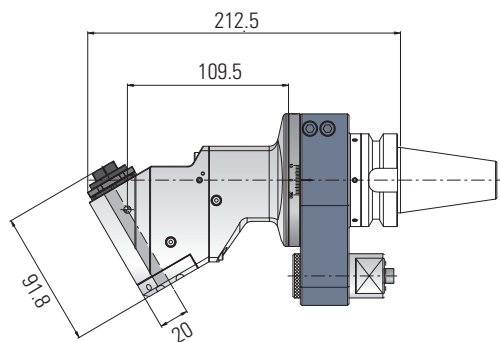
Acciaio, titanio e superleghe
Steel, titanium e superalloy

PINZA / COLLET: ER32 (Ø 3 / Ø20)

Dati Tecnici / Technical Data

Rapporto / Ratio		1:1
Max. velocità / RPM max.	min ⁻¹	4.000
Max. carico assiale / Max. axial load	N	1750
Momento torcente / Torque	Nm	75
Peso / Weight	kg	18

Disponibile in altre dimensioni
Available in other sizes

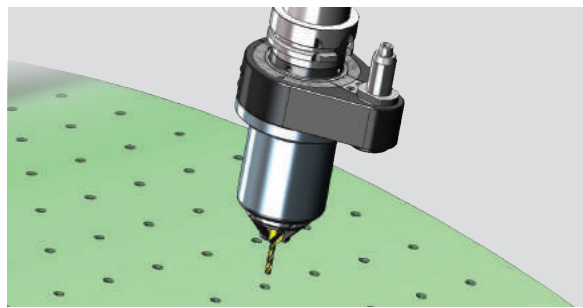
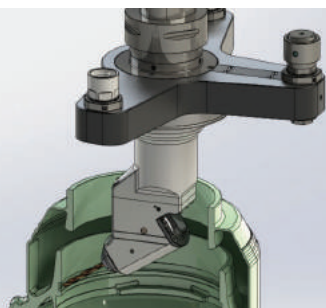


TIPO DI TESTA / TYPE OF HEAD

TH57cn-1,5

TIPO DI TESTA / TYPE OF HEAD

Svasatore / Rivetting holder



LAVORAZIONE / APPLICATION

Foratura, fresatura e maschiatura
Drilling, milling and Tapping

HIGH
PRESSURE
UNIT

LAVORAZIONE / APPLICATION

Foratura e svasatura su superfici a profilo variabile
Drilling and countersinking on uneven surfaces

MATERIALE / MATERIAL

Titanio e superleghe

Titanium e Superalloy

PINZA / COLLET: disponibile con
available with ER-16 / ER25 / ER32 /
ER40

Dati Tecnici / Technical Data

Rapporto / Ratio		1:1
Max. velocità / RPM max.	min ⁻¹	8.000
Max. carico assiale / Max. axial load	N	250
Momento torcente / Torque	Nm	15
Peso / Weight	kg	4,5

MATERIALE / MATERIAL

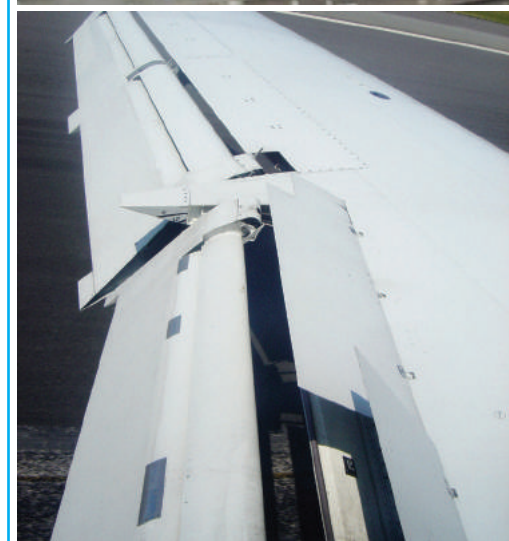
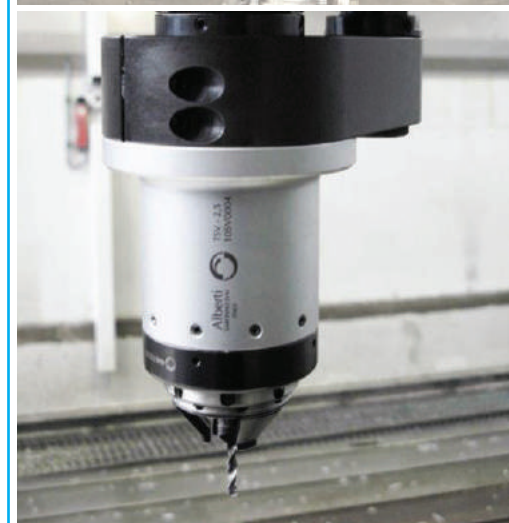
Titanio / leghe di Alluminio (2024 - 7075) / Compositi
Titanium / Aluminum alloy (2024 - 7075) / Composites

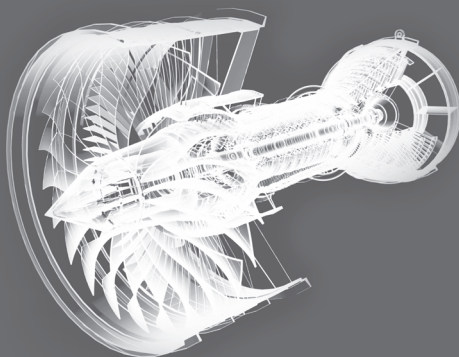
MAX. DIAM. SMUSSO / MAX. CHAMFER: Ø 16

Dati Tecnici / Technical Data

Rapporto / Ratio		1:1
Max. velocità / RPM max.	min ⁻¹	8.000
Max. carico assiale / Max. axial load	N	480
Peso / Weight	kg	5

Sistema a compensazione integrata
Integrated spring-loaded mechanism





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BOEING	SAM AEROSPACE
BOMBARDIER	SNECMA
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