



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

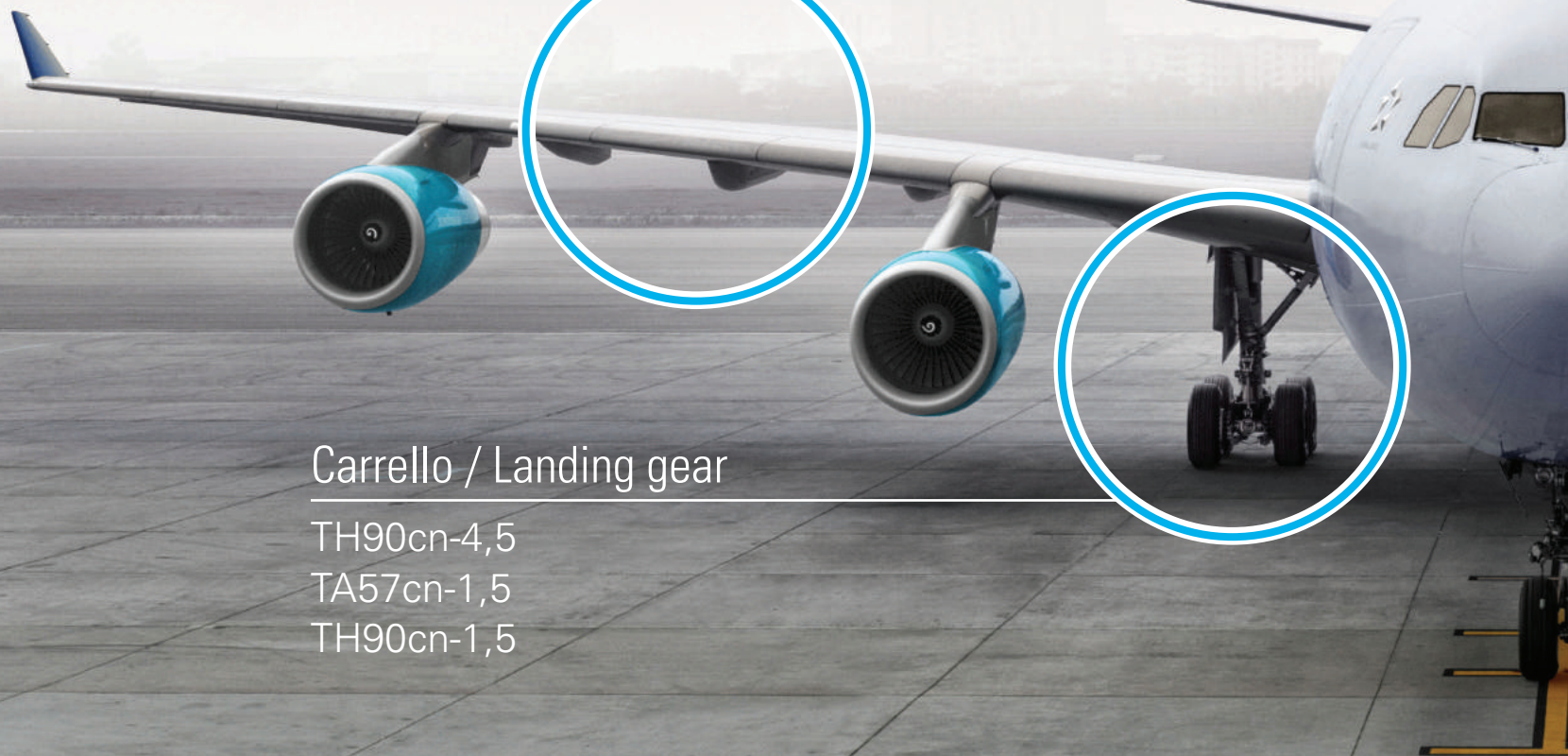
T90cn-0,4 JET INOX

Carrello / Landing gear

TH90cn-4,5

TA57cn-1,5

TH90cn-1,5



Fusoliera / Fuselage

Turboflex

Svasatore/Rivetting holder

Slimline

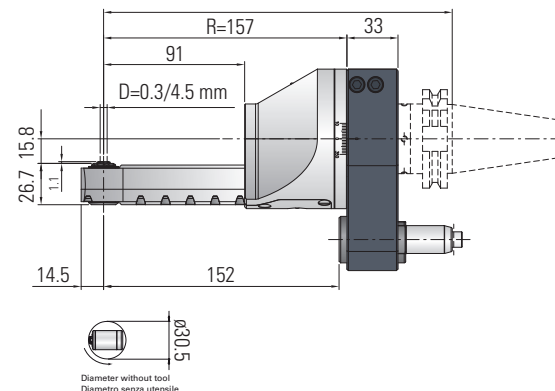
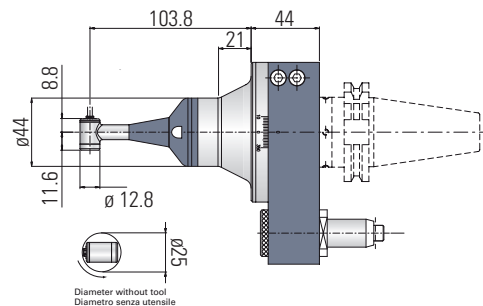
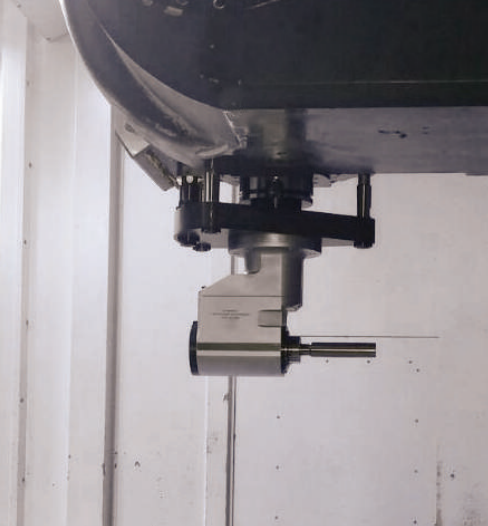
Motore / Engine

T90cn-0,4

TH90cn-4,5

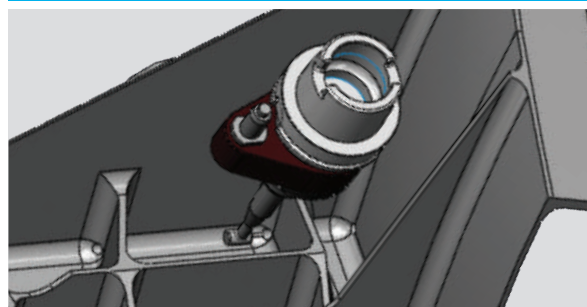
TA57cn-1,5

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

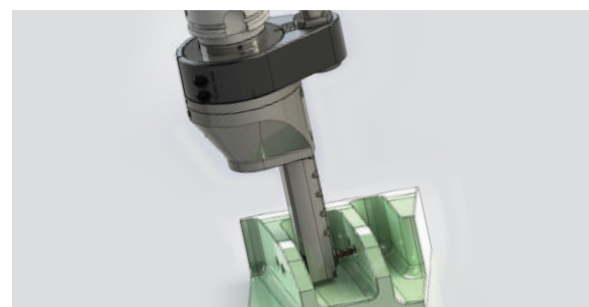
Dati Tecnici / Technical Data

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

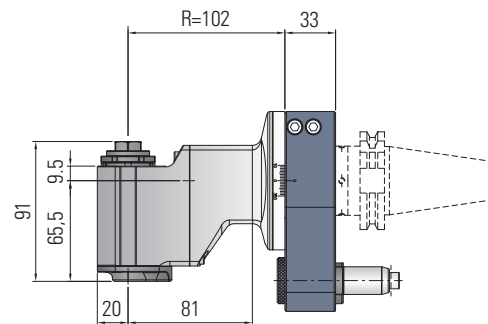
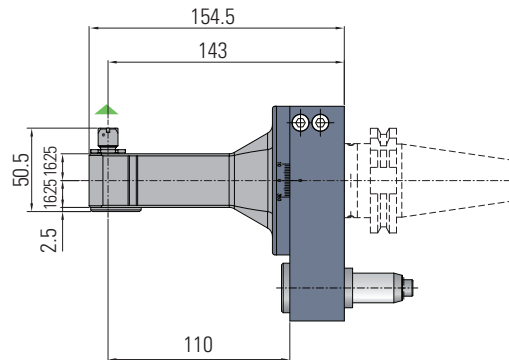
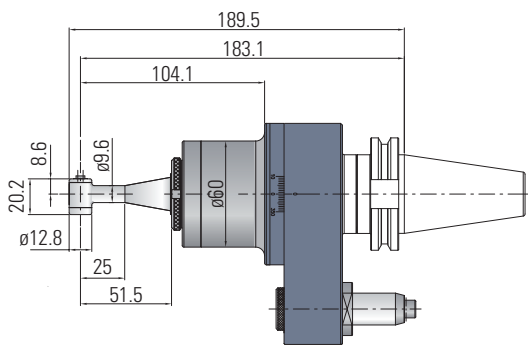
Leghe di alluminio / compositi
Aluminum alloy / composites

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

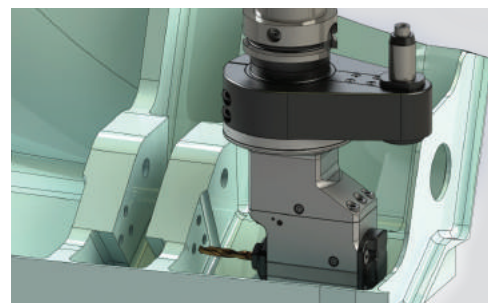
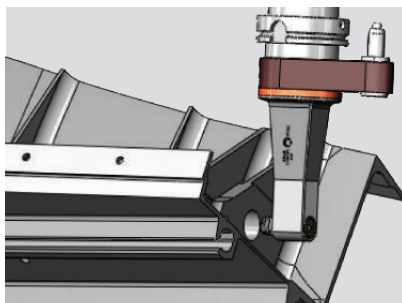
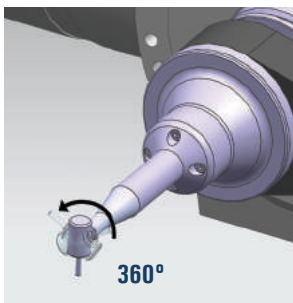
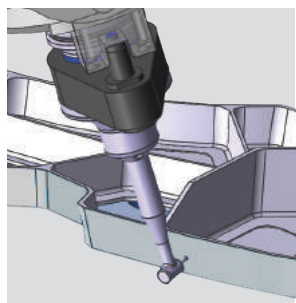
Turboflex Index + IC 300

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

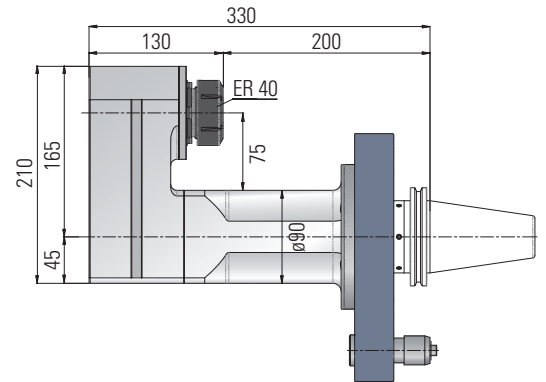
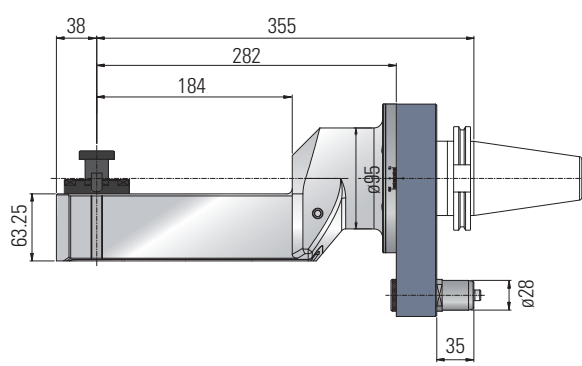
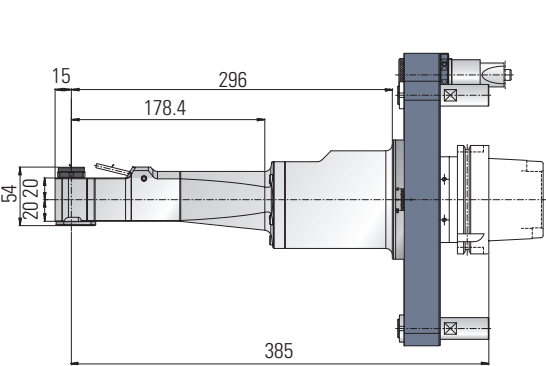
MATERIALE / MATERIAL

Leghe di alluminio
Aluminum alloy

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

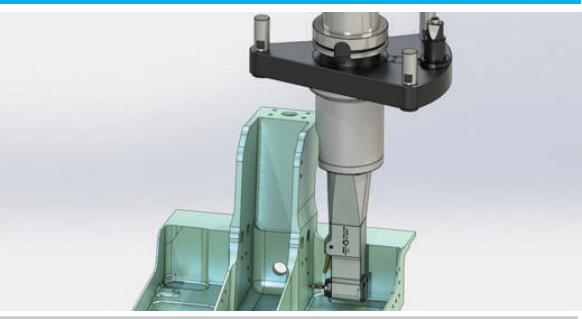
Dati Tecnici / Technical Data

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



LAVORAZIONE / APPLICATION

Foratura, fresatura e alesatura
Drilling, milling and reaming



MATERIALE / MATERIAL

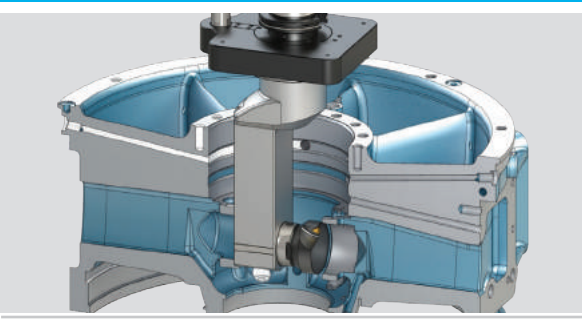
Fibre di carbonio / leghe di Alluminio (2024 - 7075)
Carbon fiber / Aluminum alloy (2024 - 7075)

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

TIPO DI TESTA / TYPE OF HEAD

TR90cn-4,5



LAVORAZIONE / APPLICATION

Fresatura e barenatura
Milling and boring

MATERIALE / MATERIAL

Acciaio, titanio e superleghe
Steel, titanium e superalloy

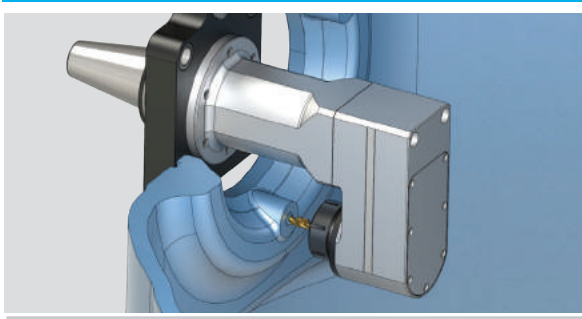
PINZA / COLLET: ER40 (Ø 3 / ø30)

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

TIPO DI TESTA / TYPE OF HEAD

TA00cn-3,5



LAVORAZIONE / APPLICATION

Foratura e maschiatura
Drilling and Tapping



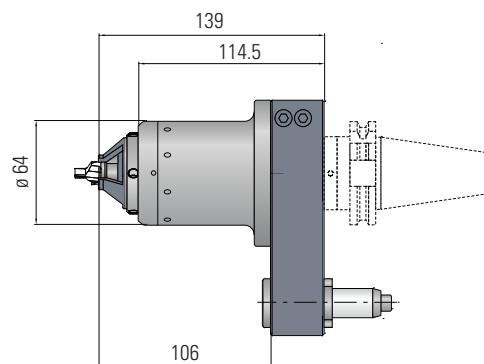
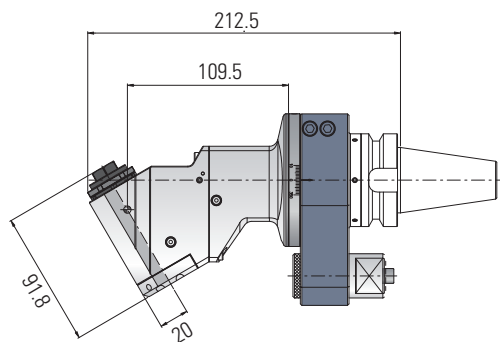
MATERIALE / MATERIAL

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

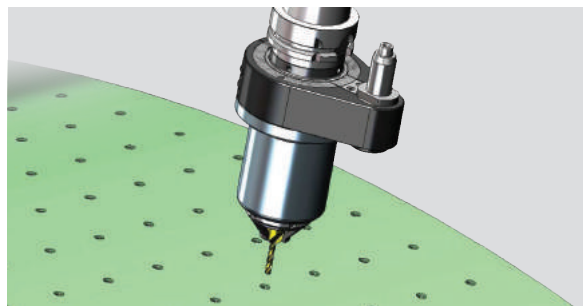
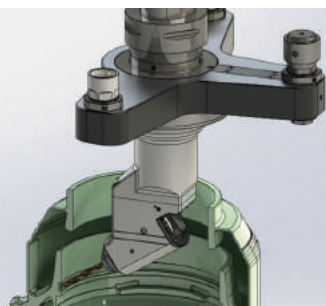


TIPO DI TESTA / TYPE OF HEAD

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

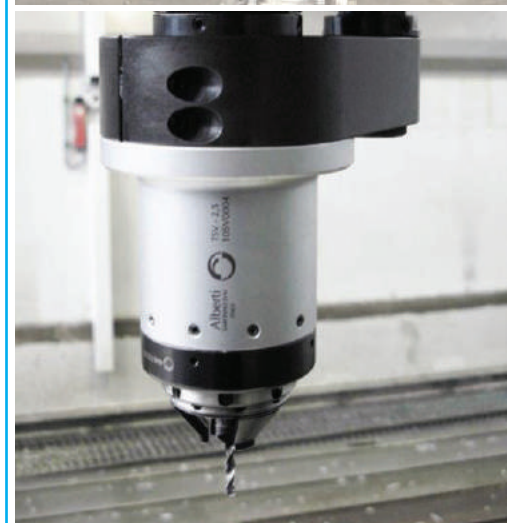
Titanio / leghe di Alluminio (2024 - 7075) / Compositi
Titanium / Aluminum alloy (2024 - 7075) / Composites

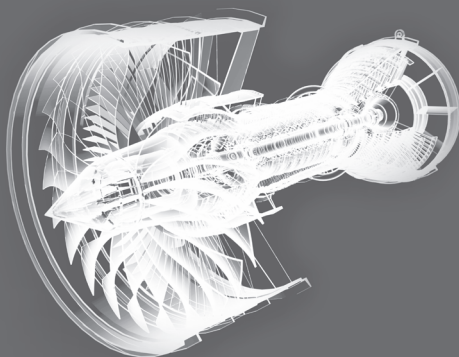
MAX. DIAM. SMUSSO / MAX. CHAMFER: Ø 16

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





Il nostro ufficio tecnico offre soluzioni speciali ad hoc per ogni tipo di applicazione

Our technical department offers customised solutions for each application.

www.albertiumberto.com

LAVORIAMO CON
OUR REFERENCE PARTNERS

ACITURRI	KAWASAKI HEAVY INDUSTRIES
AERNNOVA	LMI AEROSPACE
AGUSTA WESTLAND	LOCKHEED MARTIN
AIRBUS	PIAGGIO
ALENIA AERMACCHI	PILATUS
AVIO	PRATT & WHITNEY CANADA
BAE SYSTEM	RUAG AEROSPACE
BF AEROSPACE	ROLLS ROYCE
BOEING	SAM AEROSPACE
BOMBARDIER	SNECMA
DASSAULT	SPIRIT AEROSPACE
EMBRAER	SUKHOI AVIATION
GE	TAI AIRLINES
GOODRICH	TAL AEROSPACE
GKN	



Via Gorizia 37
21047 Saronno (VA)
Italy
Tel. +39 02 96 703 586
Fax +39 02 96 703 620
info@albertiumberto.com