



General Catalogue



TESCAR

**Passion,
creativity
& constant
innovation**

These are our foundations, with which day by day we build value for our customers in Italy and abroad. Tescar is glad to welcome you in a dynamic, young, professional and competitive world, capable to offer products and efficient services of great quality to satisfy the technical enquiries of the drilling professionals.

Process quality and accuracy of details are fundamental requirements for the realization of any project, thus generating reliable and safe products that comply with European CE directives.

This management method has enabled us to achieve ISO 9001 quality certification.



For over 30 years, we have been designing the best solutions for drilling professionals

THE BRAND

After years of research in the field of drilling & foundation and the experience matured in the production of Kelly bars, tools and drilling equipment, in 1985 Tescar launches on the market the first mini-piling rigs, now well-known and appreciated everywhere as "CF series". The main feature of these machines is the ability to move and work in very confined spaces and/or limited access, with the presence of structural obstacles which cannot be removed, like inside existing buildings.

Thanks to the compact design and the limited weight, while keeping a big power and high performances, the Tescar piling rigs face every kind of working conditions, even the most prohibitive.

Tescar range of piling rigs has expanded over the years and now also includes a line of drilling kits to be mounted on the excavators' boom and a specific section suitable for road/rail jobsites, through the application of railway bogies, developed according to the different laws and norms of the country of destination.

Further to the piling rigs, Tescar has always produced also micropiling and soil investigation machines with separate and/or separable power pack, always in the name of the extreme versatility and easy handling that distinguish the entire products range.



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ANNO 1978
N. 376208
PORTATA MAX
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TOP. 2

CASE

ESP 100 UR

WHY TESCAR

- Compact design and reduced ground pressure for limited access and low headroom jobsites
- Smart handling and easy maintenance
- Flexible arrangement for various applications
- Fast loading onto transport vehicles
- Rapid shifting to new working positions on construction sites (and from one site to another)
- High quality standard and technological innovation
- Reliable and long-lasting to ensure the operator's safety and keep an excellent resale value



Safe Reliable Conform

Product range

LDP Large Diameter Piles

Kelly bar
CFA
Soil Mixing

LHP – Low Headroom Piles

DW – Diaphragm Walls

MD - Microdrilling

Micropiles
Soil investigation / Core Drilling
Tie back / Anchoring

DK – Drilling Kits

Piling attachments for excavators
Railway applications
Conversion kits for existing piling rigs

Kelly Bars

Locking and Friction Kelly bars for piling rigs of any make and model

Drilling Tools

Buckets, Core Barrels, Augers, CFA augers, Tremie pipes, Casing pipes

Accessories

Casing extractors, Casing oscillators, Hydraulic grabs, Hydraulic clamps





LDP – LARGE DIAMETER PILES

KELLY BAR

CF SERIES

Model	Engine power HP	Torque kNm	Depth m	Diameter (Front-mast) mm	Regular Headroom m	Low Headroom m	Total weight t
CF1	16,8	6	10	600	3000	2500	3
CF2	24,4	12	15	800	3400	2900	5
CF2.5	47,6	25	15	1000	5200	3550	7
CF2.5 PLUS	66,9	30	18	1000	5270	2550	8
CF2.5 COMPACT	65	25 / 35	18	1000	4560	2350	7,5
CF3 S	68	35	22	1000	7160	3500	12,5
CF3 S PLUS	68	45	24	1000	7100	2760	14
CF4	73	45	28	1100	9600	5900	14,5 - 16 (*)
CF6	107	60	30	1500	11808	7224	21 - 23 (*)
CF8	130	80	36	1500	13942	8805	26 - 28 (*)

TF SERIES

Model	Engine power HP	Torque kNm	Depth m	Diameter (Front-mast) mm	Regular Headroom m	Low Headroom m	Total weight t
TT5	73	50	28	1100	9600	5900	14,5 - 16 (*)
TT7	107	70	32	1500	12520	8320	25 (*)
TT9	130	90	36	1500	13942	8805	28 (*)

(*) with expanding tracks

Maximal values depending on equipment set-up



CF4

LDP - LARGE DIAMETER PILES

CFA / SOIL MIXING

CF SERIES

Model	Engine power	Torque	Depth	Diameter	Extraction force	Working Headroom <small>(with kelly extension)</small>	Total weight <small>(without augers)</small>
	HP	kNm	m	mm	kN	m	t
CF4 CFA	73	45	10	600	104	13960	12,5
CF4 CFA extended	73	45	12	600	156	15960	14 (*)
CF6 CFA	107	60	13	700	160	15648	20
CF6 CFA extended	107	60	16	700	240	19648	22 (*)
CF8 CFA	130	80	14	800	200	17782	25
CF8 CFA extended	130	80	17	800	300	21782	27 (*)

TF SERIES

Model	Engine power	Torque	Depth	Diameter	Extraction force	Working Headroom <small>(with kelly extension)</small>	Total weight <small>(without augers)</small>
	HP	kNm	m	mm	kN	m	t
TT5 CFA	73	50	10	600	104	13960	12,5
TT5 CFA extended	73	50	12	600	156	15960	14 (*)
TT7 CFA	107	70	13	700	160	16360	24 (*)
TT7 CFA extended	107	70	16	700	240	20360	24,5 (*)
TT9 CFA	130	90	14	800	200	17782	27 (*)
TT9 CFA extended	130	90	17	800	300	21782	27,5 (*)

(*) with expanding tracks
Maximal values depending on equipment set-up



DW - DIAPHRAGM WALLS

ROTARY + KELLY BAR

CF SERIES

Model	Engine power	Extraction force	Depth	Grab dimensions	Regular Headroom	Total weight (without grab)
	HP	kN	m	kN	m	t
CF4	73	52	15	1500 x 400	9600	14,5 - 16 (*)
CF6	107	80	20	2000 x 600	11808	21 - 23 (*)
CF8	130	100	25	2500 x 600	13942	26 - 28 (*)

TT SERIES

Model	Engine power	Extraction force	Depth (Kelly Bar)	Grab dimensions	Regular Headroom	Total weight (without grab)
	HP	kN	m	kN	m	t
TT5	73	52	15	1500 x 400	9600	14,5 - 16 (*)
TT7	107	80	20	2000 x 600	12520	25 (*)
TT9	130	100	25	2500 x 600	13942	28 (*)

GUIDING DEVICE + SQUARE BAR

CF SERIES

Model	Engine power	Extraction force	Depth	Regular Headroom	Low Headroom	Total weight (without Kelly Bar)
	HP	kN	m	m	m	t
CF4 DW	73	52	10	9600	5900	13,5 - 15 (*)
CF6 DW	107	80	14	11808	7224	20,5 - 22,5 (*)
CF8 DW	130	100	18	13942	8805	24 - 26 (*)

TT SERIES

Model	Engine power	Extraction force	Depth	Regular Headroom	Low Headroom	Total weight (without Kelly Bar)
	HP	kN	m	m	m	t
TT5 DW	73	52	10	9600	5900	13,5 - 15 (*)
TT7 DW	107	80	14	12520	8320	24,5 (*)
TT9 DW	130	100	18	13942	8805	26 (*)

(*) with expanding tracks

Maximal values depending on equipment set-up



MD - MICRODRILLING

TES SERIES

GEOTECHNICAL: VERTICAL MICROPILES / SOIL INVESTIGATION / CORE DRILLING

Model	Engine power HP	Torque kNm	Max speed rpm	Push/Pull force kN	Rotary stroke mm	Clamps diameter m	Total weight t
TES 20 separate power pack	59,4	2,5	100	20	1200	50 - 200	2
TES 20/40 separate power pack	59,4	5	200	20	1200	50 - 200	2,5
TES 40 F	59,6	5	497	26 / 38,5	3500	60 - 260	5,6
TES 60 F	74,7	7	354	37 / 50	3500	60 - 260	6,7

FOUNDATION ENGINEERING: ARTICULATED MICROPILES / TIE-BACKS / ANCHORS

Model	Engine power HP	Torque kNm	Max speed rpm	Push/Pull force kN	Rotary stroke mm	Clamps diameter m	Total weight t
TES 40 D	59,6	5	249	26 / 38,5	2200	60 - 260	5,6
TES 60 D	74,7	6,5	226	37 / 50	3500	60 - 260	6,7

Maximal values depending on equipment set-up



DK - DRILLING KITS

B SERIES

BACKHOE LOADERS

Model	Torque kNm	Max depth m	Max diameter mm	Minimum weight class t	Attachment weight t
CF2 B	12	15	600	8	2,5

EXCAVATORS

Model	Torque kNm	Max depth m	Max diameter mm	Minimum weight class required t	Attachment weight t
CF4 B	35 / 45	20	1100	18	4,5
CF6 B	60 / 70	25	1200	22	6,5
CF8 B	80 / 90	30	1500	25	8

R SERIES

RAILWAY LOADERS

Model	Torque kNm	Max depth m	Max diameter mm	Minimum weight class required t	Attachment weight t
CF6 R	60 / 70	15	1200	22	6,5

Maximal values depending on equipment set-up

Tescar is your partner, every day

TRAINING AND SERVICE

Our activity is not limited to selling, but also takes care of the commissioning of the machines, the training of the customers' technicians, the 360° assistance, including the supply of spare parts and genuine components in order to maintain the machines in perfect working conditions and with the highest safety standards.

One of the most important services is indeed the training of the technical staff and the start-up of our machines. Tescar has always

been focusing on the follow-up service of its customers, a service carried out by highly specialized personnel, with decades of experience in the drilling sector, always available 365 days a year, 7 days a week, 24 hours a day to assist customers and solve any kind of technical problem, in every country in the world.

Beyond the domestic market, Tescar boasts its presence in over 60 foreign countries!





I dati tecnici sono indicativi e soggetti a modifiche senza preavviso.
Specifications shown are only indicative and subjected to change without prior notice.