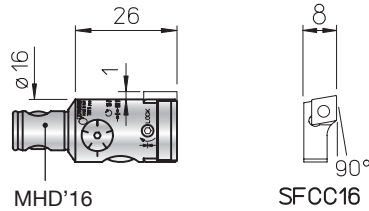
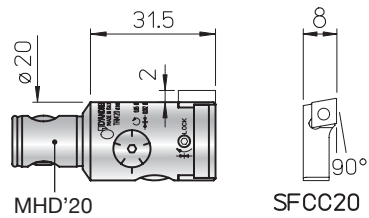


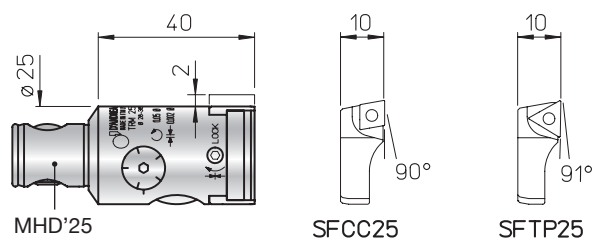
TRM 16 Ø 18 ~ 23



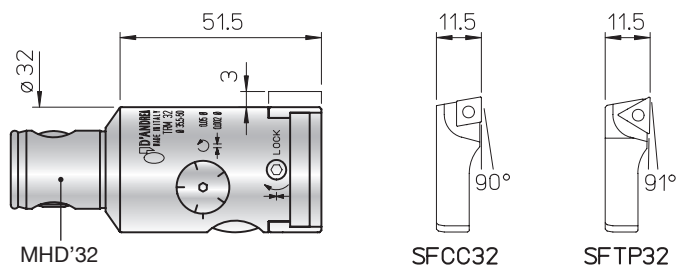
TRM 20 Ø 22 ~ 29



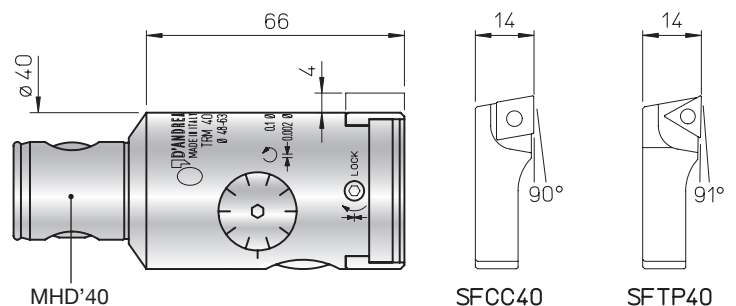
TRM 25 Ø 28 ~ 38



TRM 32 Ø 35.5 ~ 51.5



TRM 40 Ø 48 ~ 63



REF.	CODE	kg
TRM 16	455001600341	0.05
TRM 20	455002000401	0.1
TRM 25	455002500500	0.2
TRM 32	455003200630	0.35
TRM 40	455004000800	0.7

REF.	CODE		TORX T	kg
SFCC 16	470500516002	CCGT 0602..	TS 25	08 0.003
SFCC 20	470500520002	CCGT 0602..	TS 25	08 0.005
SFCC 25	470500525002	CCGT 0602..	TS 25	08 0.01
SFCC 32	470500532002	CCGT 0602..	TS 25	08 0.02
SFCC 40	470500540002	CCGT 09T3..	TS 4	15 0.04
SFTP 25	470500525001	TPGX 0902..	CS 250T	08 0.01
SFTP 32	470500532001	TPGX 0902..	CS 250T	08 0.02
SFTP 40	470500540001	TPGX 1103..	CS 300890T	08 0.04

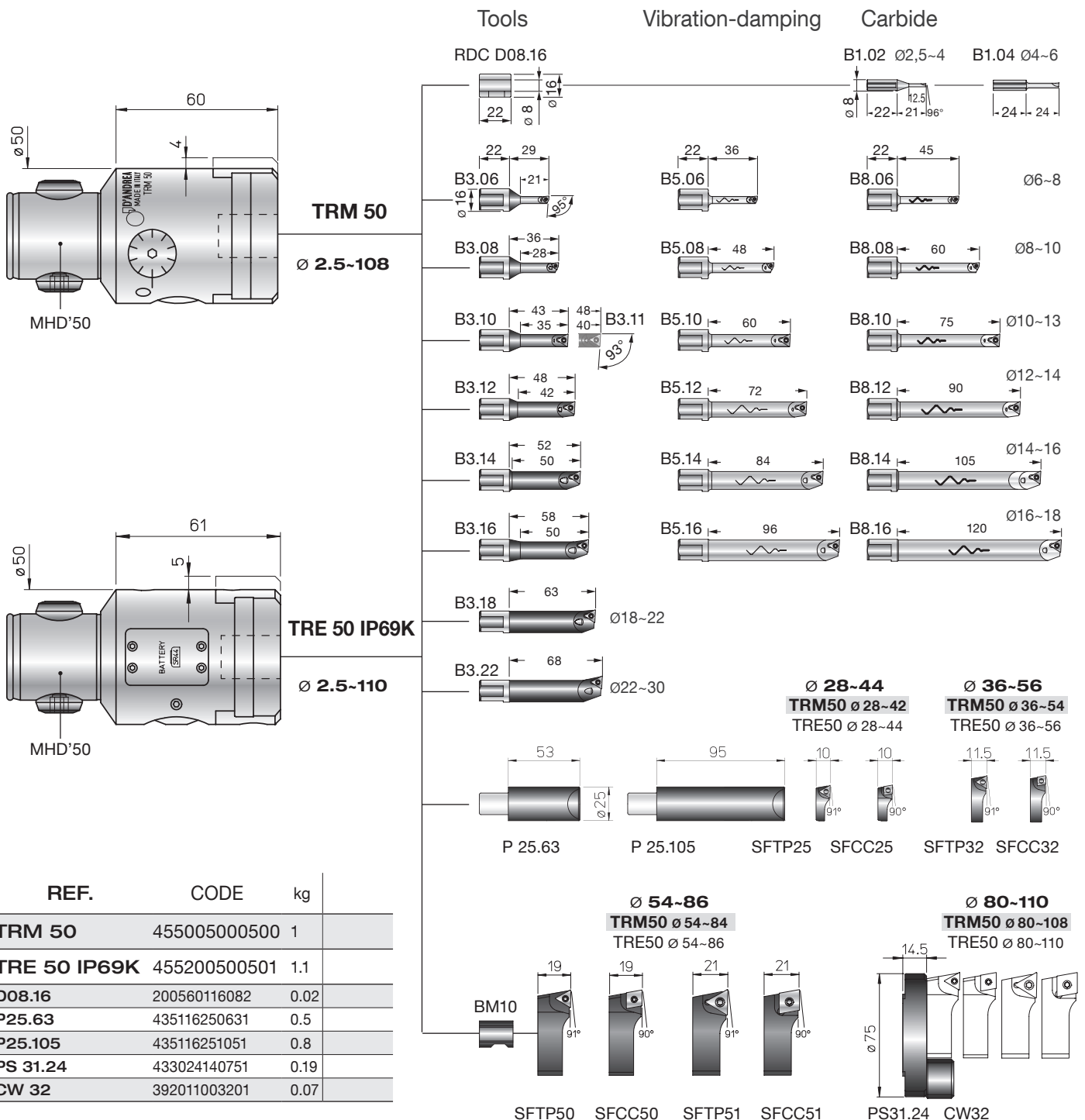
• For back-facing machining see p.26

TRM 50 Ø 2.5 ~ 108

TRE 50 IP69K Ø 2.5 ~ 110



2 μm



REF.	CODE	kg
TRM 50	455005000500	1
TRE 50 IP69K	455200500501	1.1
D08.16	200560116082	0.02
P25.63	435116250631	0.5
P25.105	435116251051	0.8
PS 31.24	433024140751	0.19
CW 32	392011003201	0.07

TRM 50/63 - TRM 63/63

Ø 2.5 ~ 125

TRM 50/80 - TRM 80/80

Ø 2.5 ~ 220



2 µm

TRM 50/63
Ø 2.5-125

TRM 63/63
Ø 2.5-125

TRM 50/80
Ø 2.5-220

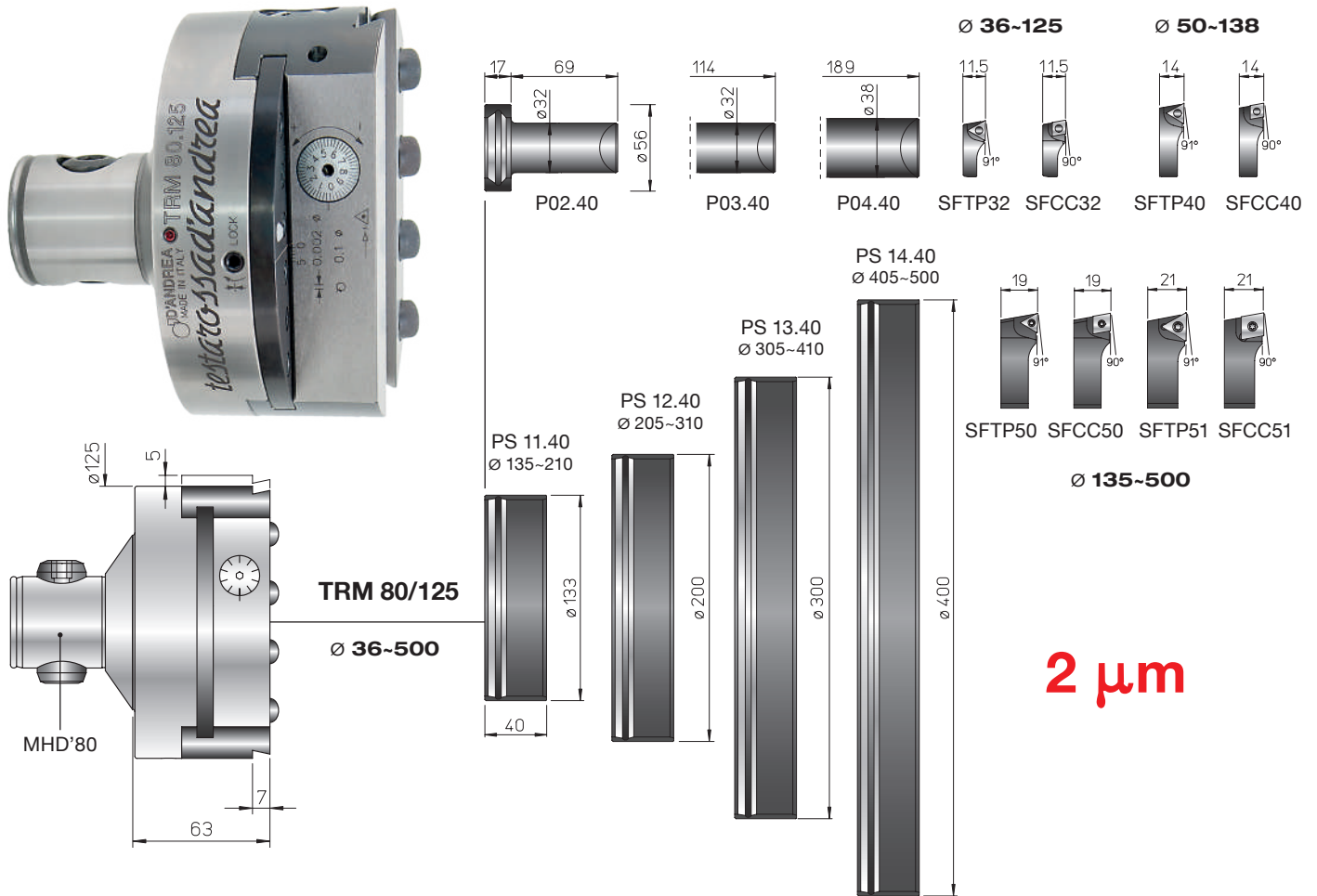
TRM 80/80
Ø 2.5-220

Tools	Vibration-damping	Carbide
RDC D08.16	B5.06	B1.02 Ø2,5-4 B1.04 Ø4-6
B3.06	B5.08	B8.06 Ø6-8
B3.08	B5.10	B8.08 Ø8-10
B3.10	B5.12	B8.10 Ø10-13
B3.11	B5.14	B8.12 Ø12-14
B3.12	B5.16	B8.14 Ø14-16
B3.14	B5.18	B8.16 Ø16-18
B3.16	B5.20	
B3.18		
B3.22		

REF.	CODE	kg
TRM 50/63	455005000631	1.1
TRM 63/63	455006300631	1.5
TRM 50/80	455005000801	2
TRM 80/80	455008000801	2.5
D08.16	200560116082	0.02
P20.30	431030160300	0.2
P02.30	431030250400	0.3
P03.30	431030250700	0.4
P04.30	431030251150	0.7
PS 11.30	433030260750	0.4
PS 12.30	433030260950	0.5
PS 13.30	433030261400	0.7

REF.	CODE	kg
TRM63	Ø 77-100	
TRM63 - TRM80	Ø 95-125 - Ø 95-140	
TRM80	Ø 140-220	

TRM 80/125 \varnothing 36 ~ 500



REF.	CODE	kg
TRM 80/125	455008001251	5.5
P02.40	431040320700	0.7
P03.40	431040321150	1
P04.40	431040321900	2

REF.	CODE	kg
PS 11.40	433040351500	1.5
PS 12.40	433040352300	2.4
PS 13.40	433040353300	3.5
PS 14.40	433040354000	4.6

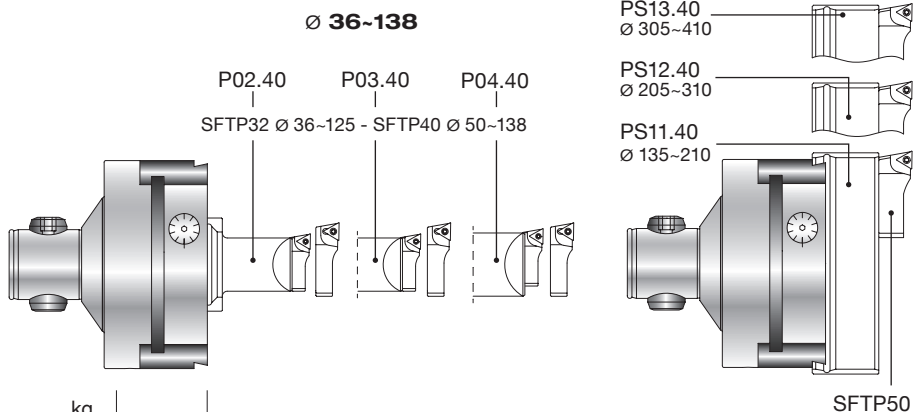
KIT K03 \varnothing 36 ~ 410

Working Range

TRM 80/125 EXCLUDED



- 1 PS11.40
- 1 PS12.40
- 1 PS13.40
- 1 PS13.40
- 1 P02.40
- 1 P03.40
- 1 P04.40
- 1 P04.40
- 1 SFTP32
- 1 SFTP40
- 1 SFTP50



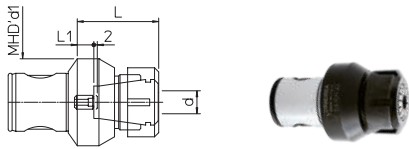
REF.	CODE	kg
KIT K03 TRM 80/125	655012500030	11.2

REF.	CODE	Δ	\square	TORX T	kg
SFTP32	470500532001	TPGX 0902..	CS 250T	08	0.02
SFTP40	470500540001	TPGX 1103..	CS300890T	08	0.04
SFTP50	470500550001	TPGX 1103..	CS300890T	08	0.08
SFTP51	470500550003	TCMT 16T3..	TS 4	15	0.09

REF.	CODE	\square	\square	TORX T	kg
SFCC32	470500532002	CCGT 0602..	TS 25	08	0.02
SFCC40	470500540002	CCGT 09T3..	TS 4	15	0.04
SFCC50	470500550002	CCGT 09T3..	TS 4	15	0.08
SFCC51	470500550004	CCMT 1204..	TS 5	25	0.09

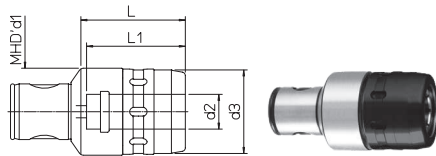
PE COLLETS CHUCKING TOOLS

Supplied without collets and clamping wrenches



REF.	CODE	MHD' d1	d	L	L1	kg			N-m
PE 20 / ER16M	655702000160	20	0.5-10	32	1	0.06	ER-16M	E16M	40
PE 32 / ER25M	655703200250	32	1-16	42	1.5	0.25	ER-25M	E25M	160
PE 40 / ER25	655704000250	40	1-16	45	5	0.4	UM/ER25	E25	200
PE 50 / ER25	655705000250	50	1-16	48	7	0.7	UM/ER25	E25	200
PE 50 / ER32	655705000320	50	2-20	55	8	1	UM/ER32	E32	220
PE 63 / ER32	655706300320	63	2-20	59	12	1.3	UM/ER32	E32	220

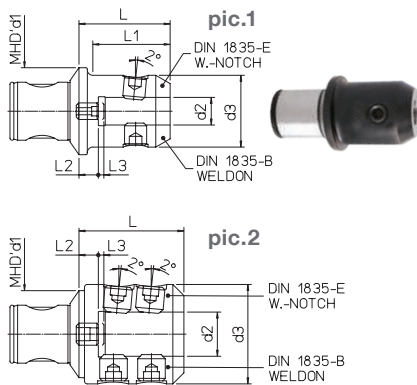
FORCE MILLING POWER CHUCK



Supplied without collets and clamping wrenches

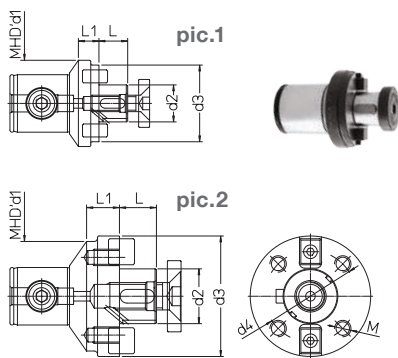
REF.	CODE	MHD' d1	d2	d3	L	L1	kg
FORCE 50/20	656305000200	50	20	48	60	60	1
FORCE 63/32	656306300320	63	32	66	80	80	2

AW WELDON WHISTLE NOTCH CHUCKING TOOLS



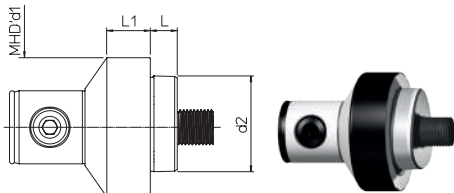
REF.	CODE	MHD' d1	d2 ^{H5}	d3	L	L1	L2	L3	kg	pic.
AW 50/6	655805000060	50	6	25	44	32.5	7	2	0.5	1
AW 50/8	655805000080	50	8	28	44	33	7	2	0.5	1
AW 50/10	655805000100	50	10	35	52	42	11	3	0.7	1
AW 50/12	655805000120	50	12	42	57	48	11	3	0.8	1
AW 50/14	655805000140	50	14	42	57	48	11	3	0.8	1
AW 50/16	655805000160	50	16	48	67	61	17	4	1.1	1
AW 50/20	655805000200	50	20	51	67		16	4	1.2	1
AW 50/25	655805000250	50	25	63	80		22	4	1.8	2
AW 63/16	655806300160	63	16	48	64	53	14	4	1.4	1
AW 63/20	655806300200	63	20	52	66	56	14	4	1.5	1
AW 63/25	655806300250	63	25	64	74		16	4	2.1	2
AW 63/32	655806300320	63	32	72	76		14	4	2.5	2
AW 80/40	655808000400	80	40	80	83		12	4	3.2	2

PF DISC AND FACING CUTTER HOLDERS



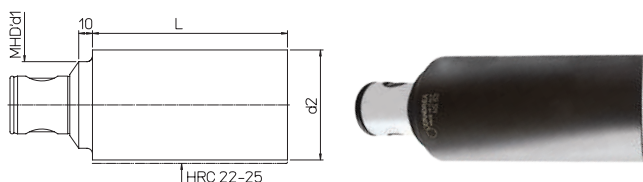
REF.	CODE	MHD' d1	d2	d3	d4	M	L	L1	kg	pic.
PF 40/16	655904020165	40	16	32			17	15	0.3	1
PF 40/22	655904020225	40	22	40			19	13	0.4	1
PF 50/16	655905000160	50	16	32			17	15	0.5	1
PF 50/22	655905000220	50	22	40			19	15	0.5	1
PF 50/27	655905000270	50	27	50			21	15	0.6	1
PF 50/32	655905000320	50	32	60			24	15	0.7	1
PF 63/22	655906300220	63	22	60			19	15	0.9	1
PF 63/27	655906300270	63	27	60			21	15	1.1	1
PF 63/32	655906300320	63	32	63			24	15	1.2	1
PF 80/32	655908000320	80	32	80			24	24	1.7	1
PF 80/40	655908000400	80	40	84	66.7	M12	27	24	1.9	2
PF 80/50	655908000500	80	50	90			30	24	2.0	2
PF 80/60	655908000600	80	60	128.5	101.6	M16	40	31.5	3.5	2

MHD' 80 - HT 8 CHUCKING TOOLS MHD' 80 - HT 8



REF.	CODE	MHD' d1	d2	L	L1	kg
MHD'80-HT8	655108000080	80	HT8	15.5	25	2

NS SEMIFINISHED CHUCK HOLDERS



ON REQUEST

REF.	CODE	MHD' d1	d2	L	kg
NS 50	657205001600	50	63	160	4.2
NS 63	657206302000	63	80	200	8.7
NS 80	657208002500	80	100	250	16