



D'ANDREA®
TECHNOLOGY FOR HIGH PRECISION

TOOLS INCH 2022



Golden Compass
award for industrial design



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PRECISION IS OUR STRENGTH

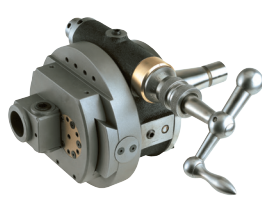


D'ANDREA S.p.A. is an Italian company and world leader in the production of high precision accessories for machine tools, founded in 1951 by Marino D'Andrea, who started the business with the introduction of the first facing and boring head (TA).

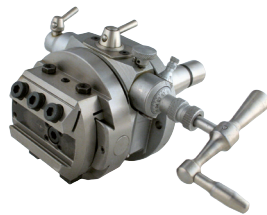
The D'Andrea brand is internationally recognised for the quality and reliability of its products and boasts a distribution network that is present in over 40 countries.



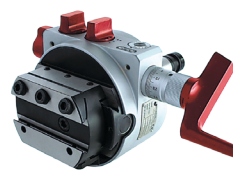
D'Andrea Marino



TA 1951



TS 1963



TA 1974

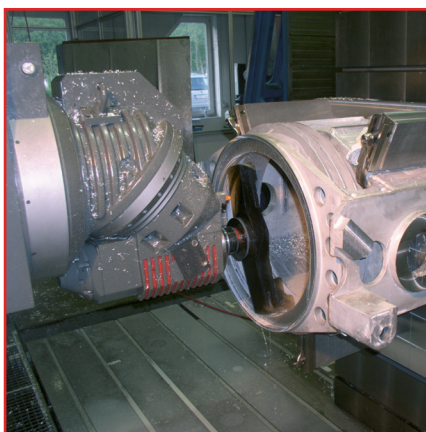
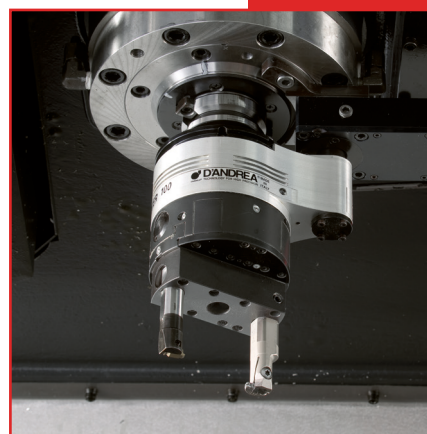


Production is divided between the headquarters in Lainate, on the outskirts of Milan, with its 7,000 square meters of workshop and management offices, and the plant in Castel Del Giudice (Isernia) where D'ANDREA MOLISE produces, most of the semi-finished components that are subsequently finished, assembled and tested at the main site.

Most of the profit is reinvested in the Research and Development of new products which, through advanced technological solutions, satisfy a highly specific demand. Furthermore, a dedicated technical-commercial team ensures rapid execution of special projects based on customer specifications.

Over the years, the boring range has been developed to cover from the smallest diameters (2 mm) to large diameters (up to 3 meters).

A 70-year tradition in the manufacturing sector and an intense passion for mechanics that has now been inherited by the third generation, with the aim of responding to the increasingly stringent demands of the world of precision mechanics.



In the picture above
Ermanno with his sons
Amedeo, Maria Pina and Marino.

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p.29-30 • PF INCH



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KIT MONOforce
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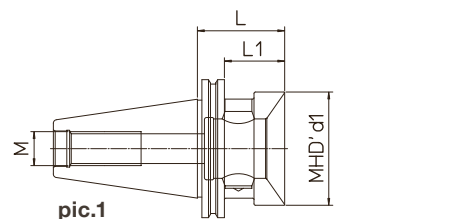
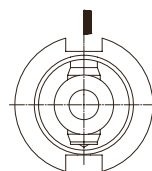
KIT
Testarossa



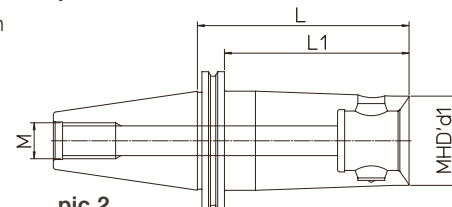
CAT INCH



Cutting edge position



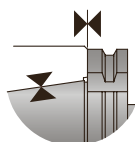
pic.1



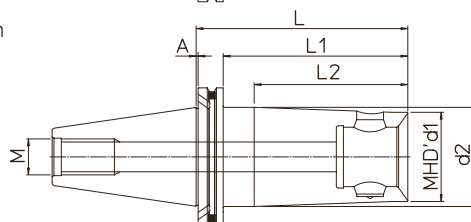
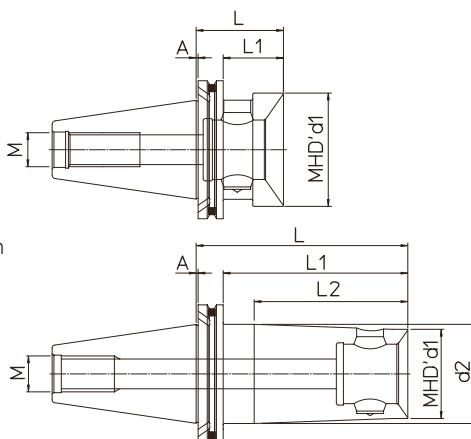
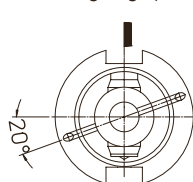
pic.2

CAT	REF.	CODE	MHD' d1	L	L1	M	lb	pic.
40	CAT40 UNC5/8-11 MHD'50.66	416500104045	50	2.59	1.85	UNC 5/8 - 11	2.43	1
40	CAT40 UNC5/8-11 MHD'50.120	416500104049	50	4.72	3.98	UNC 5/8 - 11	3.75	2
40	CAT40 UNC5/8-11 MHD'63.100	416630104045	63	3.94		UNC 5/8 - 11	4.19	1
45	CAT45 UNC3/4-10 MHD'50.48	416500104545	50	1.89	1.14	UNC 3/4 - 10	3.75	1
50	CAT50 UNC1-8 MHD'50.48	416500105045	50	1.89	1.14	UNC 1 - 8	5.29	1
50	CAT50 UNC1-8 MHD'50.120	416500105049	50	4.72	3.9	UNC 1 - 8	7.72	2
50	CAT50 UNC1-8 MHD'63.56	416630105045	63	2.20	1.45	UNC 1 - 8	6.39	1
50	CAT50 UNC1-8 MHD'63.150	416630105049	63	5.90	5.16	UNC 1 - 8	11.02	2
50	CAT50 UNC1-8 MHD'80.62	416800105045	80	2.44	1.69	UNC 1 - 8	7.05	1
50	CAT50 UNC1-8 MHD'80.180	416800105049	80	7.09	6.34	UNC 1 - 8	15.21	2
50	CAT50 UNC1-8 MHD'110.150	416910105045	110	5.90		UNC 1 - 8	16.76	1
50	CAT50 UNC1-8 MHD'140.160	416940105045	140	6.29		UNC 1 - 8	22.05	1

CAT INCH FC AD+B FACE CONTACT



Cutting edge position

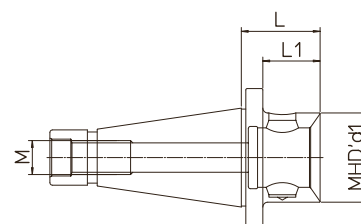
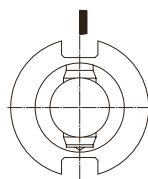


CAT	REF.	CODE	MHD' d1	d2	L	L1	L2	M	lb	pic.
40	CAT40 UNC5/8-11 FC AD+B MHD'50.66	416500104046F	50		2.59	1.85		UNC 5/8 - 11	2.43	1
40	CAT40 UNC5/8-11 FC AD+B MHD'50.120	416500104047F	50	1.97	4.72	3.98	3.26	UNC 5/8 - 11	5.95	2
40	CAT40 UNC5/8-11 FC AD+B MHD'63.100	416630104046F	63		3.94			UNC 5/8 - 11	4.19	1
50	CAT50 UNC1-8 FC AD+B MHD'50.48	416500105046F	50		1.89	1.14		UNC 1 - 8	5.29	1
50	CAT50 UNC1-8 FC AD+B MHD'50.120	416500105047F	50	2.76	4.72	3.98	3.26	UNC 1 - 8	6.30	2
50	CAT50 UNC1-8 FC AD+B MHD'50.200	416500105048F	50	2.76	7.87	7.12	6.42	UNC 1 - 8	7.05	2
50	CAT50 UNC1-8 FC AD+B MHD'63.56	416630105046F	63		2.20	1.46		UNC 1 - 8	6.39	1
50	CAT50 UNC1-8 FC AD+B MHD'63.150	416630105047F	63	2.76	5.90	5.16	4.45	UNC 1 - 8	7.50	2
50	CAT50 UNC1-8 FC AD+B MHD'63.250	416630105048F	63	2.76	9.84	9.09	8.38	UNC 1 - 8	11.05	2
50	CAT50 UNC1-8 FC AD+B MHD'80.62	416800105046F	80		2.44	1.69		UNC 1 - 8	7.09	1
50	CAT50 UNC1-8 FC AD+B MHD'80.180	416800105047F	80	3.15	7.09	6.34	5.63	UNC 1 - 8	13.23	2
50	CAT50 UNC1-8 FC AD+B MHD'80.300	416800105048F	80	3.15	11.81	11.06	10.35	UNC 1 - 8	17.64	2
50	CAT50 UNC1-8 FC AD+B MHD'110.150	416910105046F	110	4.33	5.90	5.16	4.45	UNC 1 - 8	19.84	2
50	CAT50 UNC1-8 FC AD+B MHD'110.250	416910105047F	110	4.33	9.84	9.09	8.38	UNC 1 - 8	22.05	2

NMTB INCH

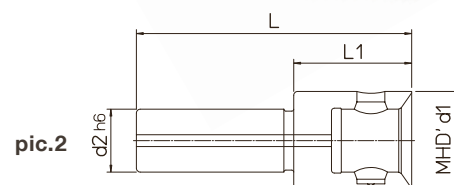
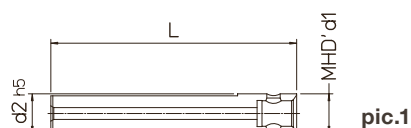


Cutting edge position



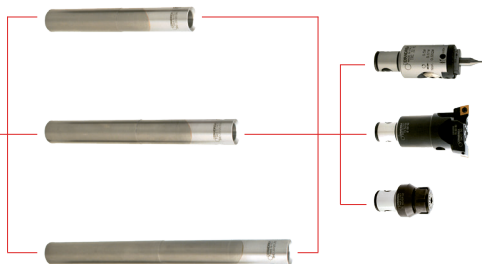
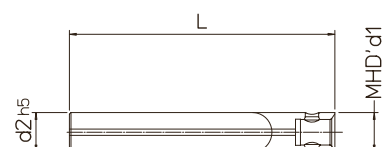
CAT	REF.	CODE	MHD' d1	L	L1	M	lb
40	NMTB40 UNC5/8-11 MHD'50.48	416500104005	50	1.88	1.43	UNC 5/8 - 11	1.9
40	NMTB40 UNC5/8-11 MHD'63.60	416630104005	63	2.36		UNC 5/8 - 11	2.65
50	NMTB50 UNC1-8 MHD'50.48	416500105005	50	1.88	1.30	UNC 1 - 8	5.73
50	NMTB50 UNC1-8 MHD'63.56	416630105005	63	2.20	1.61	UNC 1 - 8	5.95
50	NMTB50 UNC1-8 MHD'80.60	416800105005	80	2.36	1.77	UNC 1 - 8	7.05

BR INCH STEEL BAR



REF.	CODE	MHD' d1	L	L1	d2	lb	pic.
BR 5/8 INCH MHD'16.100	657081661001	16	3.94		.625	0.33	1
BR 3/4 INCH MHD'20.125	657082061251	20	4.92		.75	0.66	1
BR 1 INCH MHD'32.35	416320802505	32	3.94	1.38	1	1.54	2
BR 1-1/4 INCH MHD'50.60	416500803205	50	5.51	2.36	1.25	2.2	2

BMD INCH CARBIDE BARS

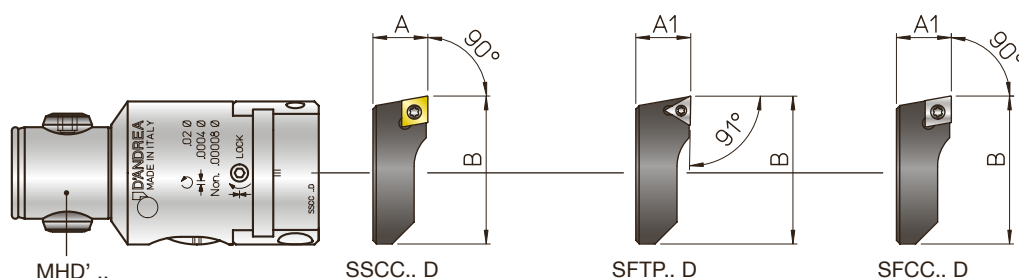


REF.	CODE	MHD' d1	d2	L	lb
BMD 5/8 INCH MHD'16.110	657081661105	16	.63	4.33	0.66
BMD 5/8 INCH MHD'16.140	657081661405	16	.63	5.51	0.88
BMD 5/8 INCH MHD'16.170	657081661705	16	.63	6.69	1.1
BMD 3/4 INCH MHD'20.135	657082061355	20	.75	5.31	1.32
BMD 3/4 INCH MHD'20.170	657082061705	20	.75	6.69	1.65
BMD 3/4 INCH MHD'20.210	657082062105	20	.75	8.26	0.9
BMD 1 INCH MHD'25.160	657082561605	25	1	6.29	1.98
BMD 1 INCH MHD'25.205	657082562055	25	1	8.07	2.87
BMD 1 INCH MHD'25.255	657082562555	25	1	10.03	3.53
BMD 1-1/4 INCH MHD'32.195	657083261955	32	1.25	7.67	4.63
BMD 1-1/4 INCH MHD'32.250	657083262505	32	1.25	9.84	6.17
BMD 1-1/4 INCH MHD'32.315	657083263155	32	1.25	12.40	7.72

TRD 25 ~ 80 INCH Ø 1.10 ~ 6.30



REF.	CODE	Ø	lb
TRD 25 INCH	455022560571	1.10 ~ 1.42	0.44
TRD 32 INCH	455023260711	1.42 ~ 1.81	0.77
TRD 40 INCH	455024060901	1.81 ~ 2.36	1.54
TRD 50 INCH	455025060861	2.36 ~ 2.95	3.31
TRD 63 INCH	455026361081	2.95 ~ 3.74	5.59
TRD 80 INCH	455028061291	3.74 ~ 6.30	10.58

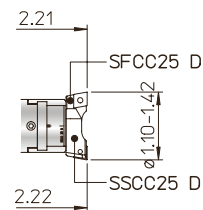
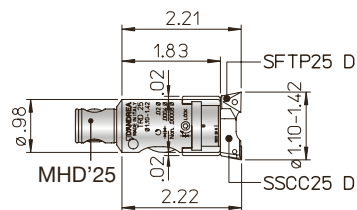


BIT-HOLDERS SSCC .. D - SFTP .. D - SFCC .. D

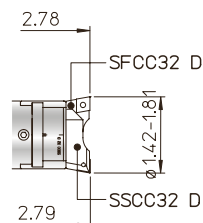
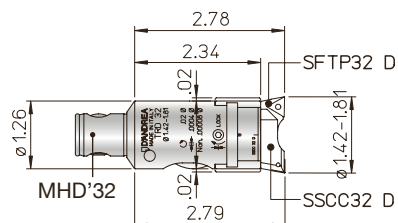


REF.	CODE	A	A1	B	△	□	⌋	⌋	lb
SSCC 25 D	470500525220	.39	.94			CCMT 0602..	TS 25	TORX T08	0.017
SSCC 32 D	470500532220	.45	1.18			CCMT 0602..	TS 25	TORX T08	0.033
SSCC 40 D	470500540220	.55	1.57			CCMT 09T3..	TS 4	TORX T15	0.066
SSCC 50 D	470500550220	.75	2.13			CCMT 09T3..	TS 4	TORX T15	0.13
SSCC 63 D	470500563220	.96	2.68			CCMT 09T3..	TS 4	TORX T15	0.33
SSCC 80 D	470500580220	1.16	3.43			CCMT 09T3..	TS 4	TORX T15	0.66
SSCC 85 D	470500585221	1.16	4.22			CCMT 09T3..	TS 4	TORX T15	0.88
SFTP 25 D	470500525030	.38	.94		TPGX 0902..		CS 250T	TORX T08	0.017
SFTP 32 D	470500532030	.44	1.18		TPGX 0902..		CS 250T	TORX T08	0.033
SFTP 40 D	470500540030	.54	1.57		TPGX 1103..		CS 300890T	TORX T08	0.066
SFTP 50 D	470500550030	.74	2.13		TPGX 1103..		CS 300890T	TORX T08	0.13
SFTP 63 D	470500563030	.96	2.68		TPGX 1103..		CS 300890T	TORX T08	0.33
SFTP 80 D	470500580030	1.15	3.43		TPGX 1103..		CS 300890T	TORX T08	0.66
SFTP 85 D	470500585031	1.15	4.22		TPGX 1103..		CS 300890T	TORX T08	0.88
SFCC 25 D	470500525020	.38	.94			CCGT 0602..	TS 25	TORX T08	0.017
SFCC 32 D	470500532020	.44	1.18			CCGT 0602..	TS 25	TORX T08	0.033
SFCC 40 D	470500540020	.54	1.57			CCGT 09T3..	TS 4	TORX T15	0.066
SFCC 50 D	470500550020	.74	2.13			CCGT 09T3..	TS 4	TORX T15	0.13
SFCC 63 D	470500563020	.96	2.68			CCGT 09T3..	TS 4	TORX T15	0.33
SFCC 80 D	470500580020	1.15	3.43			CCGT 09T3..	TS 4	TORX T15	0.66
SFCC 85 D	470500585021	1.15	4.22			CCGT 09T3..	TS 4	TORX T15	0.88

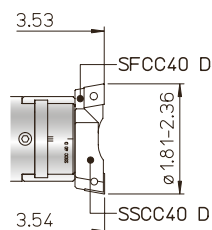
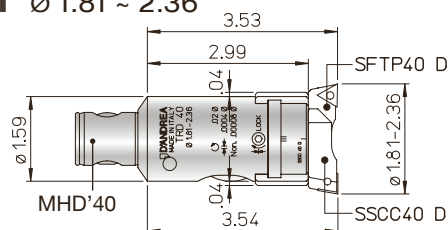
TRD 25 INCH $\varnothing 1.10 \sim 1.42$



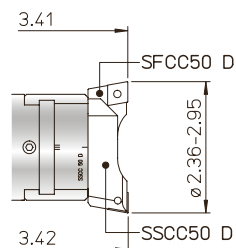
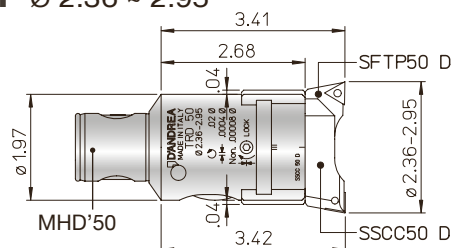
TRD 32 INCH $\varnothing 1.42 \sim 1.81$



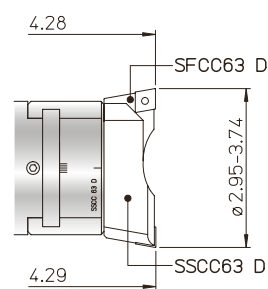
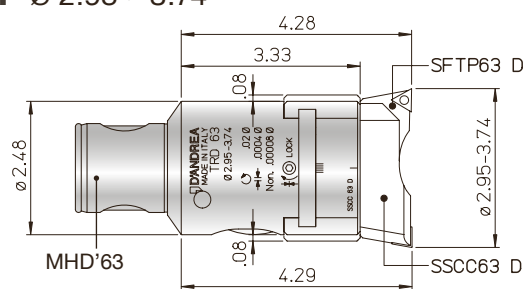
TRD 40 INCH $\varnothing 1.81 \sim 2.36$



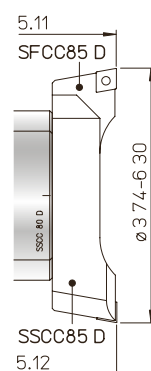
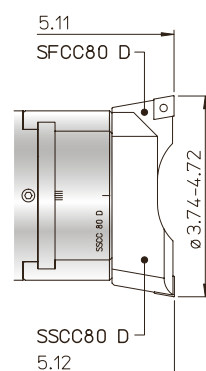
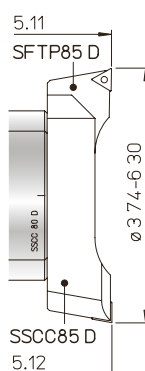
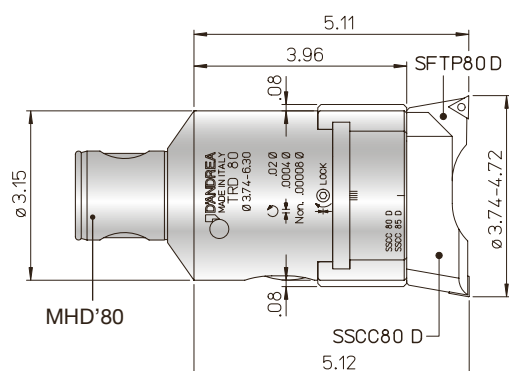
TRD 50 INCH $\varnothing 2.36 \sim 2.95$



TRD 63 INCH $\varnothing 2.95 \sim 3.74$



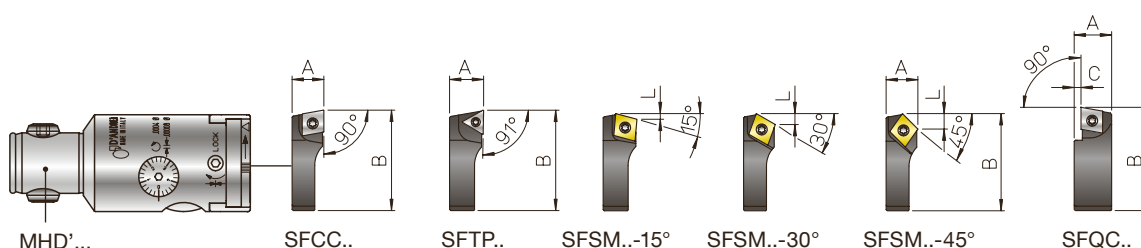
TRD 80 INCH $\varnothing 3.74 \sim 6.30$



TRM 16 ~ 40 INCH Ø .71 ~ 2.48



REF.	CODE	Ø	lb
TRM 16 INCH	455001660341	.71 ~ .91	0.11
TRM 20 INCH	455002060401	.87 ~ 1.14	0.22
TRM 25 INCH	455002560500	1.10 ~ 1.50	0.44
TRM 32 INCH	455003260630	1.40 ~ 2.03	0.77
TRM 40 INCH	455004060800	1.89 ~ 2.48	1.54

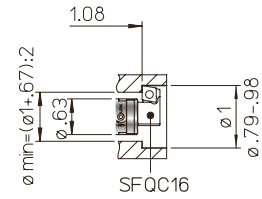
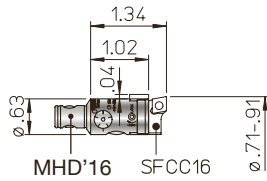


BIT-HOLDERS SFCC .. - SFTP .. - SFSM .. - SFQC ..

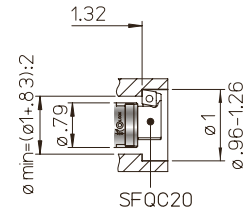
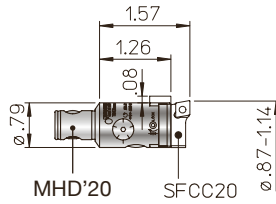


REF.	CODE	A	B	C	L					lb
SFCC 16	470500516002	.31	.67			CCGT 0602..		TS 25	TORX T08	0.006
SFCC 20	470500520002	.33	.83			CCGT 0602..		TS 25	TORX T08	0.011
SFCC 25	470500525002	.39	1.04			CCGT 0602..		TS 25	TORX T08	0.022
SFCC 32	470500532002	.45	1.36			CCGT 0602..		TS 25	TORX T08	0.044
SFCC 40	470500540002	.55	1.73			CCGT 09T3..		TS 4	TORX T15	0.088
SFTP 25	470500525001	.39	1.04				TPGX 0902..	CS 250T	TORX T08	0.022
SFTP 32	470500532001	.45	1.36				TPGX 0902..	CS 250T	TORX T08	0.044
SFTP 40	470500540001	.55	1.73				TPGX 1103..	CS 300890T	TORX T08	0.088
SFQC 16	470500516062	.39	.71	.08		CCMT 0602..		TS 25	TORX T08	0.011
SFQC 20	470500520062	.41	.89	.08		CCMT 0602..		TS 25	TORX T08	0.017
SFQC 25	470500525062	.47	1.12	.10		CCMT 0602..		TS 25	TORX T08	0.022
SFQC 32	470500532062	.53	1.40	.10		CCMT 0602..		TS 25	TORX T08	0.066
SFQC 40	470500540062	.65	1.81	.12		CCMT 09T3..		TS 4	TORXT15	0.066
SFSM 25-15°	470500525011	.39	1.00		.06	CCMT 0602..		TS 25	TORX T08	0.022
SFSM 25-30°	470500525013	.39	1.00		.12	CCMT 0602..		TS 25	TORX T08	0.022
SFSM 25-45°	470500525015	.39	1.00		.17	CCMT 0602..		TS 25	TORX T08	0.022
SFSM 32-15°	470500532011	.45	1.32		.06	CCMT 0602..		TS 25	TORX T08	0.044
SFSM 32-30°	470500532013	.45	1.32		.12	CCMT 0602..		TS 25	TORX T08	0.044
SFSM 32-45°	470500532015	.45	1.32		.17	CCMT 0602..		TS 25	TORX T08	0.044
SFSM 40-15°	470500540011	.55	1.67		.09	CCMT 09T3..		TS 4	TORXT15	0.066
SFSM 40-30°	470500540013	.55	1.67		.18	CCMT 09T3..		TS 4	TORXT15	0.066
SFSM 40-45°	470500540015	.55	1.67		.26	CCMT 09T3..		TS 4	TORXT15	0.066

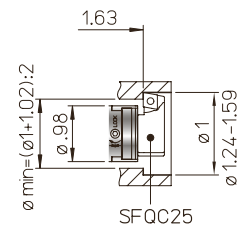
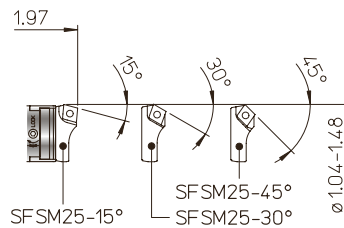
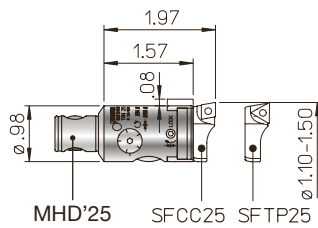
TRM 16 INCH $\varnothing .71 \sim .91$



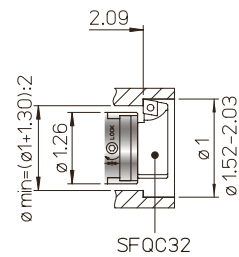
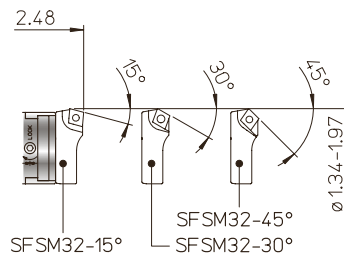
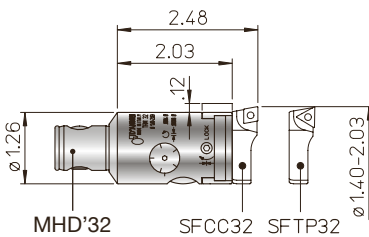
TRM 20 INCH $\varnothing .87 \sim 1.14$



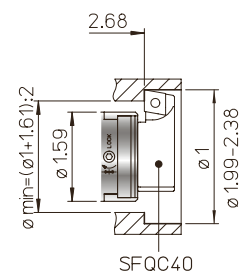
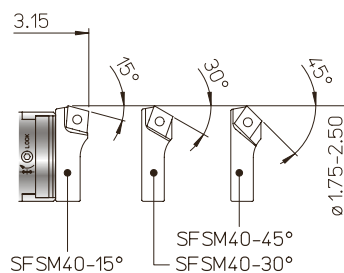
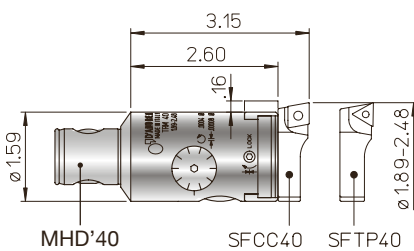
TRM 25 INCH $\varnothing 1.10 \sim 1.50$



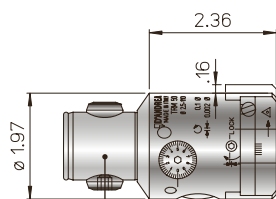
TRM 32 INCH $\varnothing 1.40 \sim 2.03$



TRM 40 INCH $\varnothing 1.89 \sim 2.48$



TRM 50 INCH Ø .10 ~ 4.25



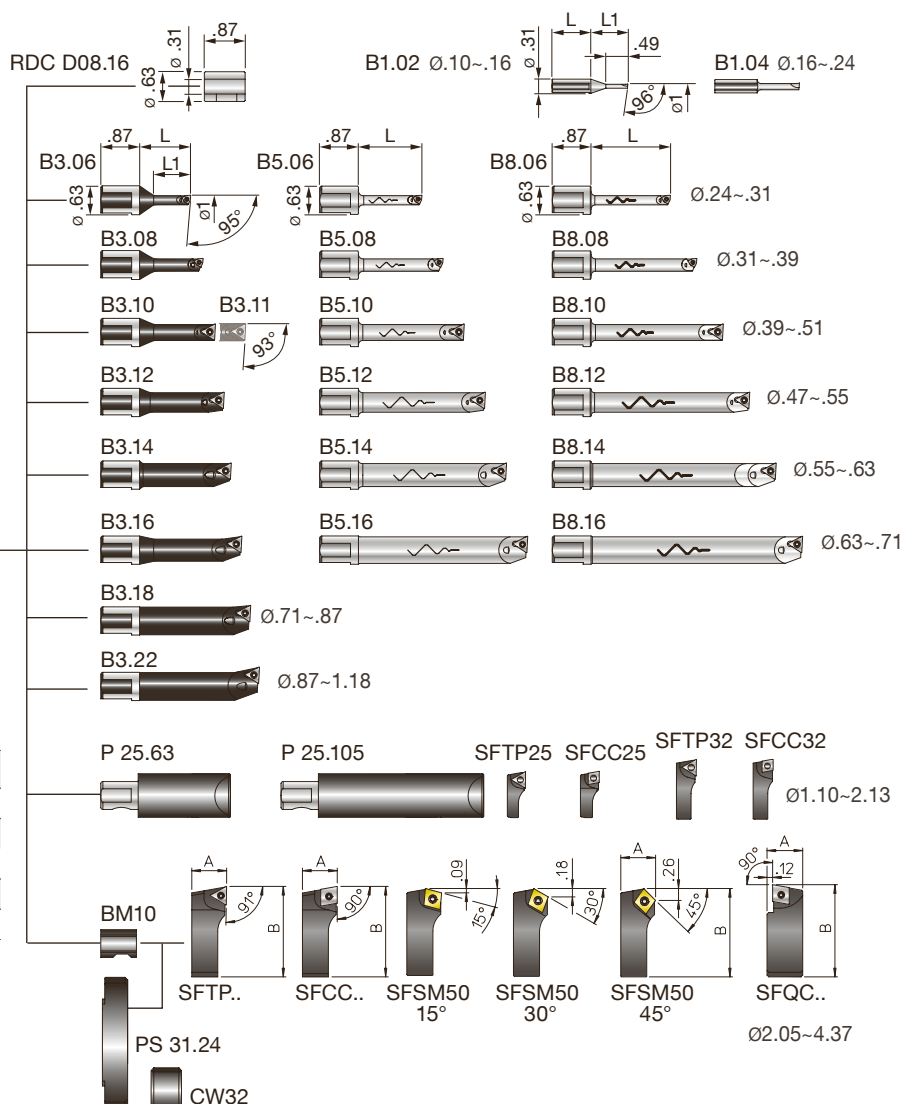
MHD'50

REF.	CODE	lb
TRM 50 INCH	455005060500	2.2
RDC D08.16	200560116082	0.044
P25.63 TR..	435116250631	0.5
P25.105 TR..	435116251051	0.8
PS 31.24 TR..50	433024140751	0.19
CW 32	392011003201	0.07

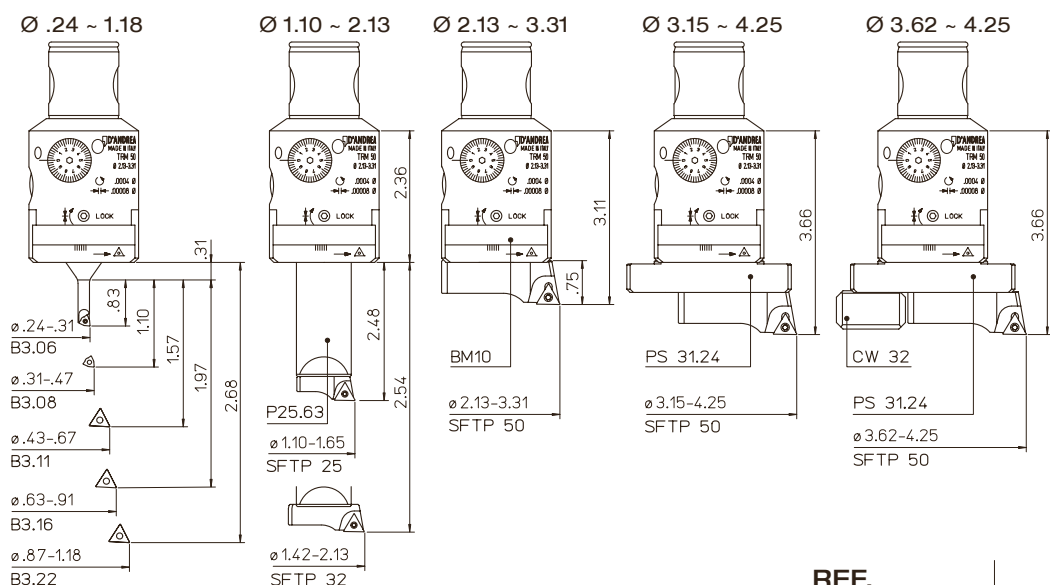
Tools

Vibration-damping tools

Carbide tools



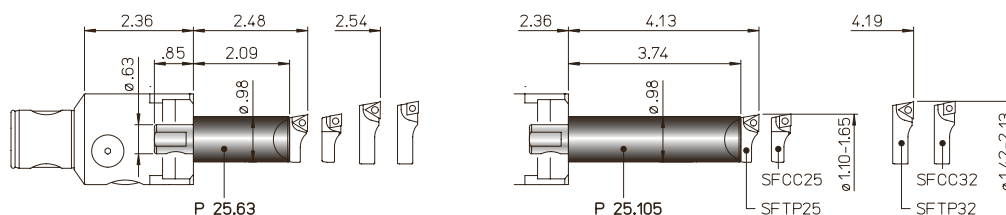
KIT K01 INCH Ø .24 ~ 4.25



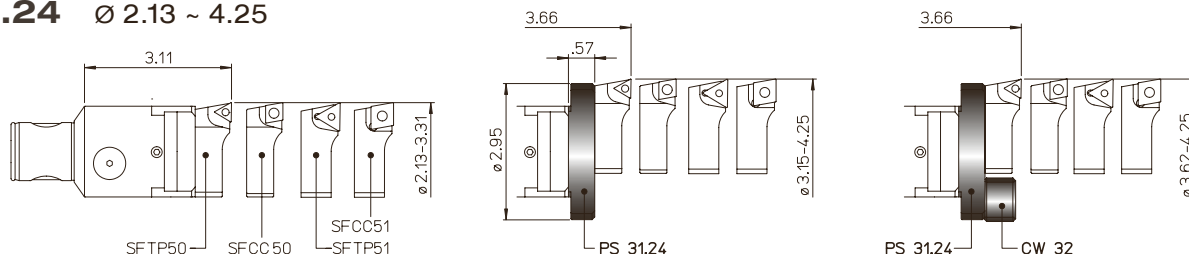
- 1 TRM50 INCH
- 1 BM10
- 1 P25.63
- 1 PS 31.24
- 1 CW 32
- 1 B3.06
- 1 B3.08
- 1 B3.11
- 1 B3.16
- 1 B3.22
- 1 SFTP25
- 1 SFTP32
- 1 SFTP50
- 5 TPGX 090202L DC100
- 1 TPGX 110302L DC100
- 2 WCGT 020102L DC100

REF.	CODE	Ø	lb
KIT K01 TRM50 INCH	655005060501	.24 ~ 4.25	6.83

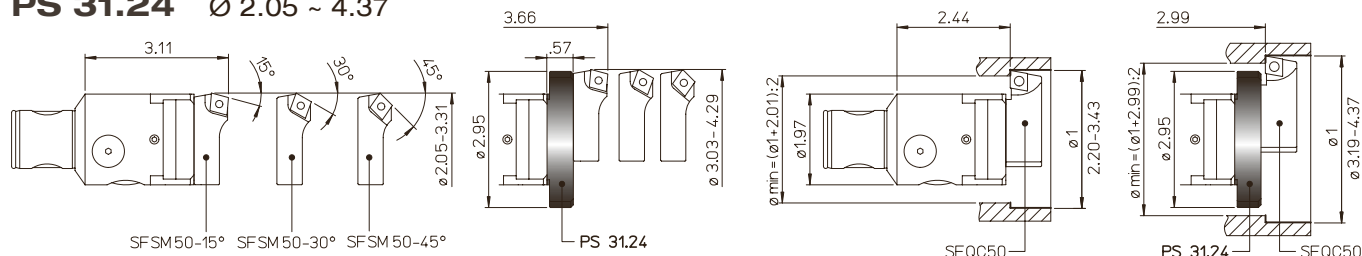
P 25 Ø 1.10 ~ 2.13



PS 31.24 Ø 2.13 ~ 4.25

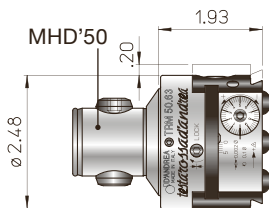


PS 31.24 Ø 2.05 ~ 4.37



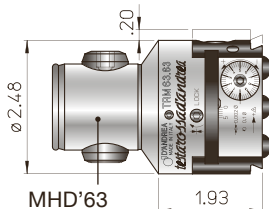
REF.	CODE	Ø1	L	L1	A	B	△	△	△	△	△	lb
SFTP 25	470500525001				.39	1.04		TPGX 0902..		CS 250T	TORX T08	0.022
SFTP 32	470500532001				.45	1.36		TPGX 0902..		CS 250T	TORX T08	0.044
SFTP 50	470500550001				.75	2.05		TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003				.83	2.05		TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 25	470500525002				.39	1.04		CCGT 0602..		TS 25	TORX T08	0.022
SFCC 32	470500532002				.45	1.36		CCGT 0602..		TS 25	TORX T08	0.044
SFCC 50	470500550002				.75	2.05		CCGT 09T3..		TS 4	TORX T15	0.17
SFCC 51	470500550004				.83	2.05		CCMT 1204..		TS 5	TORX T25	0.19
SFQC 50	470500550062				.81	2.09		CCMT 09T3..		TS 4	TORX T15	0.22
SFSM 50-15°	470500550011				.75	1.99		CCMT 09T3..		TS 4	TORX T15	0.15
SFSM 50-30°	470500550013				.75	1.99		CCMT 09T3..		TS 4	TORX T15	0.15
SFSM 50-45°	470500550015				.75	1.99		CCMT 09T3..		TS 4	TORX T15	0.15
B1.02	572010502001	.10 ~ .16	.87	.83								0.044
B1.04	572010504001	.16 ~ .24	.94	.94								0.044
B3.06	572010506001	.24 ~ .31	1.14	.83			WCGT 0201..			TS 21	TORX T06	0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10			WCGT 0201..			TS 211	TORX T06	0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38				TPGX 0902..		CS 250 T	TORX T08	0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57				TPGX 0902..		CS 250 T	TORX T08	0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65				TPGX 0902..		CS 250 T	TORX T08	0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97				TPGX 0902..		CS 250 T	TORX T08	0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97				TPGX 0902..		CS 250 T	TORX T08	0.15
B3.18	572010518001	.71 ~ .72	2.48					TPGX 0902..		CS 250 T	TORX T08	0.22
B3.22	572010522001	.72 ~ .80	2.68					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.06	572010506105	.24 ~ .31	1.42				WCGT 0201..			TS 21	TORX T06	0.075
B5.08	572010508105	.31 ~ .39	1.89				WCGT 0201..			TS 211	TORX T06	0.19
B5.10	572010510105	.39 ~ .47	2.36					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.12	572010512105	.47 ~ .55	2.83					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.14	572010514105	.55 ~ .63	3.31					TPGX 0902..		CS 250 T	TORX T08	0.44
B5.16	572010516105	.63 ~ .71	3.78					TPGX 0902..		CS 250 T	TORX T08	0.66
B8.06	572010506108	.24 ~ .31	1.77				WCGT 0201..			TS 21	TORX T06	0.065
B8.08	572010508108	.31 ~ .39	2.36				WCGT 0201..			TS 211	TORX T06	0.17
B8.10	572010510108	.39 ~ .47	2.95					TPGX 0902..		CS 250 T	TORX T08	0.22
B8.12	572010512108	.47 ~ .55	3.54					TPGX 0902..		CS 250 T	TORX T08	0.44
B8.14	572010514108	.55 ~ .63	4.13					TPGX 0902..		CS 250 T	TORX T08	0.44
B8.16	572010516108	.63 ~ .71	4.72					TPGX 0902..		CS 250 T	TORX T08	0.66

TRM 50/63 - TRM 63/63 INCH Ø .10 ~ 4.92



TRM 50/63

Ø .10 ~ 4.92



TRM 63/63

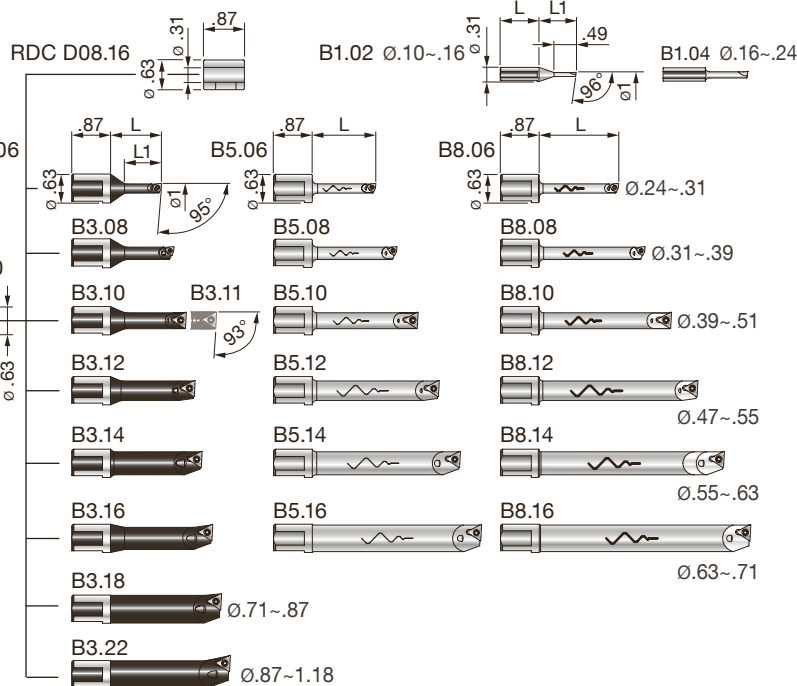
Ø .10 ~ 4.92

REF.	CODE	lb
TRM 50/63 INCH	455005060631	2.43
TRM 63/63 INCH	455005060631	3.31
RDC D08.16	200560116082	0.044
P20.30	431030160300	0.44
PS 11.30 D.16	433030260755	0.88
P25.63 TR..	435116250631	1.1
P25.105 TR..	435116251051	1.76
P02.30	431030250400	0.66
P03.30	431030250700	0.88
P04.30	431030251150	1.54
PS 11.30	433030260750	0.44
PS 12.30	433030260950	1.1

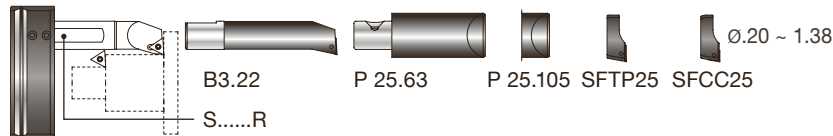
Tools

Vibration-damping tools

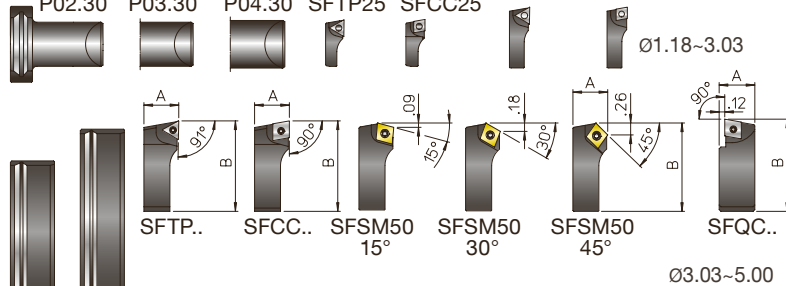
Carbide tools



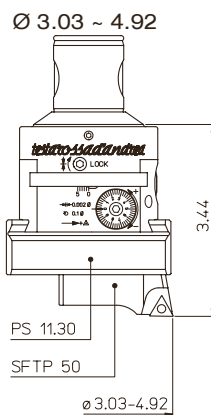
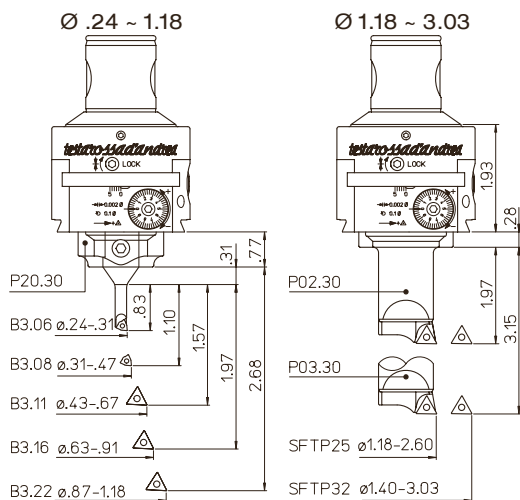
PS 11.30 D.16



R02 30 R03 30 R04 30 SFTP25 SFCC25 SFTP32 SFCC32



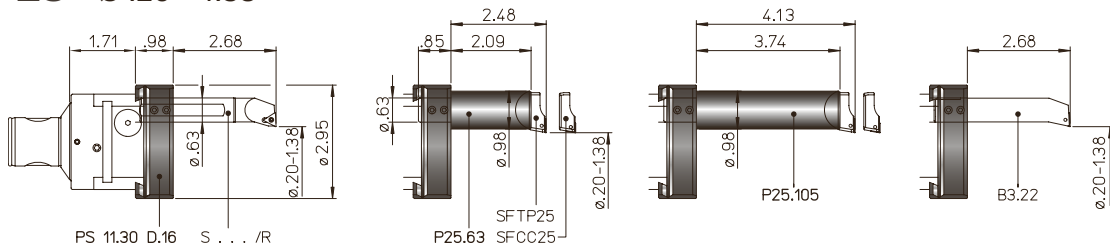
PS 11.30 PS 12.30

KIT K01 INCH Ø .24 ~ 4.92

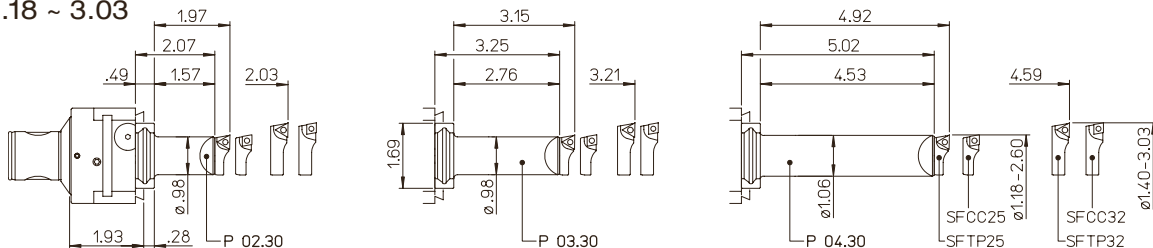
1 TRM.../63 INCH
1 P20.30
1 PS11.30
1 P02.30
1 P03.30
1 B3.06
1 B3.08
1 B3.11
1 B3.16
1 B3.22
1 SFTP25
1 SFTP32
1 SFTP50
5 TPGX 090202L DC100
1 TPGX 110302L DC100
2 WCGT 020102L DC10

REF.	CODE	Ø	lb
KIT K01 TRM50/63 INCH	655005060632	.24 ~ 4.92	8.60
KIT K01 TRM63/63 INCH	655006360632	.24 ~ 4.92	9.26

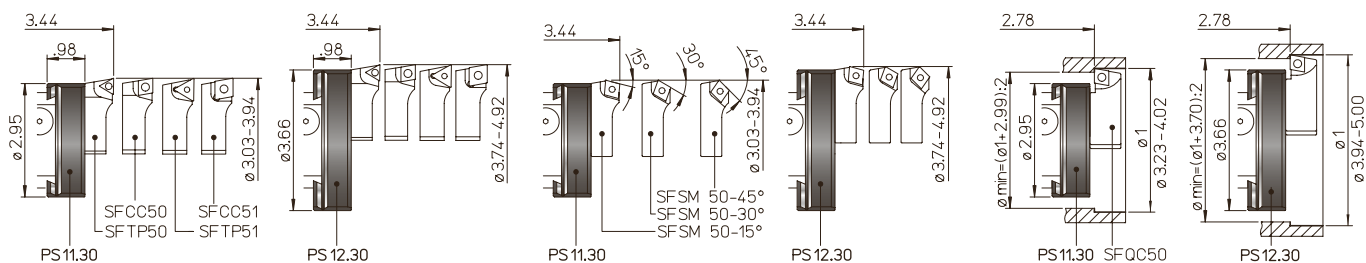
PS + P25 Ø .20 ~ 1.38



P Ø 1.18 ~ 3.03

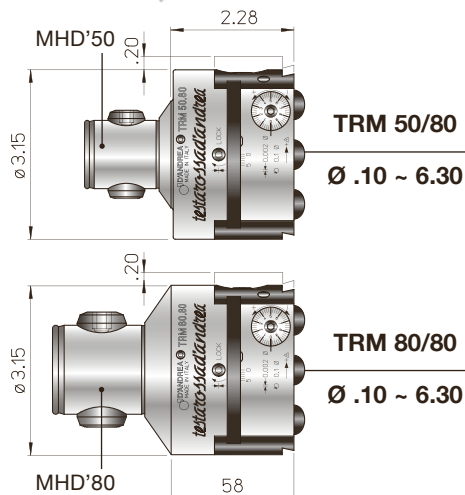


PS Ø 3.03 ~ 5.00

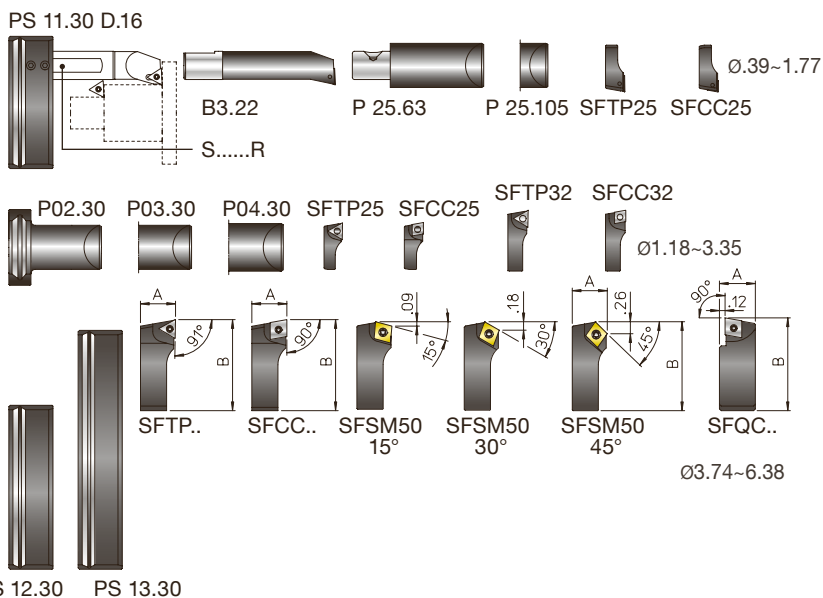
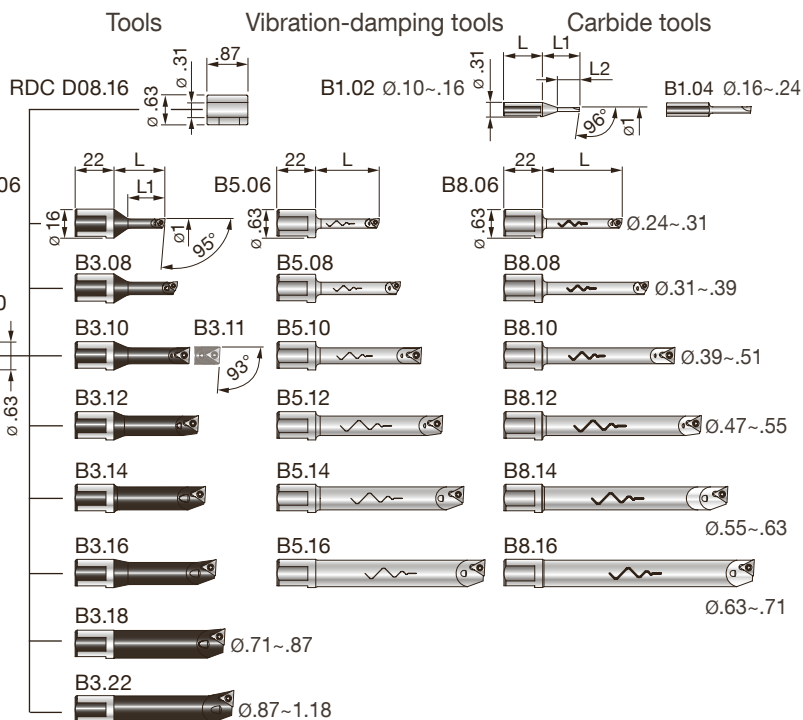


REF.	CODE	Ø1	L	L1	A	B						lb
SFTP 25	470500525001				.39	1.04		TPGX 0902..		CS 250T	TORX T08	0.022
SFTP 32	470500532001				.45	1.36		TPGX 0902..		CS 250T	TORX T08	0.044
SFTP 50	470500550001				.75	2.05		TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003				.83	2.05		TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 25	470500525002				.39	1.04		CCGT 0602..		TS 25	TORX T08	0.022
SFCC 32	470500532002				.45	1.36		CCGT 0602..		TS 25	TORX T08	0.044
SFCC 50	470500550002				.75	2.05		CCGT 09T3..		TS 4	TORX T15	0.17
SFCC 51	470500550004				.83	2.05		CCMT 1204..		TS 5	TORX T25	0.19
SFQC 50	470500550062				.81	2.09		CCMT 09T3..		TS 4	TORXT15	0.22
SFSM 50-15°	470500550011				.75	1.99		CCMT 09T3..		TS 4	TORXT15	0.15
SFSM 50-30°	470500550013				.75	1.99		CCMT 09T3..		TS 4	TORXT15	0.15
SFSM 50-45°	470500550015				.75	1.99		CCMT 09T3..		TS 4	TORXT15	0.15
B1.02	572010502001	.10 ~ .16	.87	.83								0.044
B1.04	572010504001	.16 ~ .24	.94	.94								0.044
B3.06	572010506001	.24 ~ .31	1.14	.83			WCGT 0201..			TS 21	TORX T06	0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10			WCGT 0201..			TS 211	TORX T06	0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38			TPGX 0902..			CS 250 T	TORX T08	0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57			TPGX 0902..			CS 250 T	TORX T08	0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65			TPGX 0902..			CS 250 T	TORX T08	0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97			TPGX 0902..			CS 250 T	TORX T08	0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97			TPGX 0902..			CS 250 T	TORX T08	0.15
B3.18	572010518001	.71 ~ .22	2.48				TPGX 0902..			CS 250 T	TORX T08	0.22
B3.22	572010522001	.22 ~ .30	2.68				TPGX 0902..			CS 250 T	TORX T08	0.22
B5.06	572010506105	.24 ~ .31	1.42				WCGT 0201..			TS 211	TORX T06	0.075
B5.08	572010508105	.31 ~ .39	1.89				WCGT 0201..			TS 211	TORX T06	0.19
B5.10	572010510105	.39 ~ .47	2.36				TPGX 0902..			CS 250 T	TORX T08	0.22
B5.12	572010512105	.47 ~ .55	2.83				TPGX 0902..			CS 250 T	TORX T08	0.22
B5.14	572010514105	.55 ~ .63	3.31				TPGX 0902..			CS 250 T	TORX T08	0.44
B5.16	572010516105	.63 ~ .71	3.78				TPGX 0902..			CS 250 T	TORX T08	0.66
B8.06	572010506108	.24 ~ .31	1.77				WCGT 0201..			TS 21	TORX T06	0.065
B8.08	572010508108	.31 ~ .39	2.36				WCGT 0201..			TS 211	TORX T06	0.17
B8.10	572010510108	.39 ~ .47	2.95				TPGX 0902..			CS 250 T	TORX T08	0.22
B8.12	572010512108	.47 ~ .55	3.54				TPGX 0902..			CS 250 T	TORX T08	0.44
B8.14	572010514108	.55 ~ .63	4.13				TPGX 0902..			CS 250 T	TORX T08	0.44
B8.16	572010516108	.63 ~ .71	4.72				TPGX 0902..			CS 250 T	TORX T08	0.66

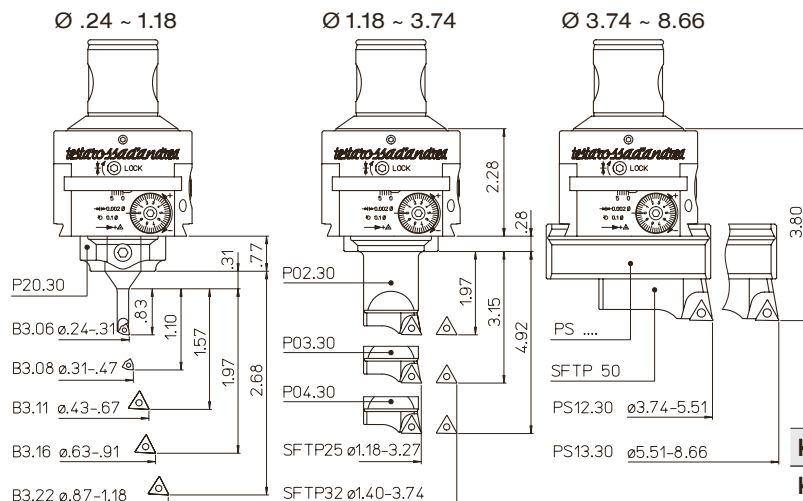
TRM 50/80 - TRM 80/80 INCH Ø .10 ~ 6.30



REF.	CODE	lb
TRM 50/80 INCH	455005060801	4.41
TRM 80/80 INCH	455008060801	5.51
RDC D08.16	200560116082	0.044
P20.30	431030160300	0.44
PS 11.30 D.16	433030260755	0.88
P25.63 TR..	435116250631	1.1
P25.105 TR..	435116251051	1.76
P02.30	431030250400	0.66
P03.30	431030250700	0.88
P04.30	431030251150	1.54
PS 12.30	433030260950	1.1
PS 13.30	433030261400	1.54



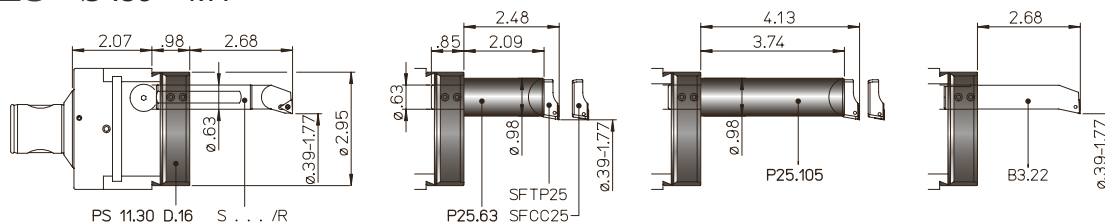
KIT K01 INCH Ø .24 ~ 8.66



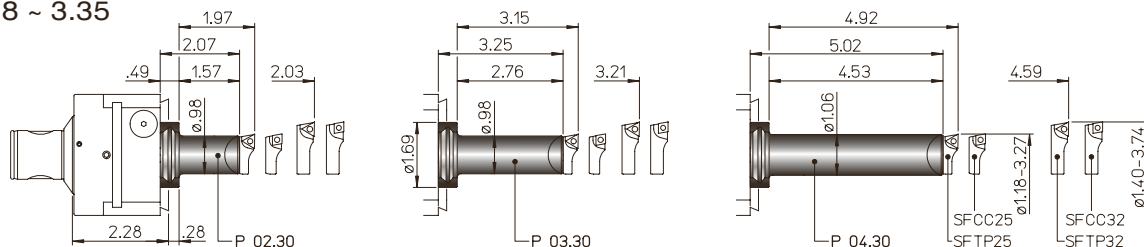
- 1 TRM../80 INCH
- 1 P20.30
- 1 PS12.30
- 1 PS13.30
- 1 P03.30
- 1 P04.30
- 1 B3.06
- 1 B3.08
- 1 B3.11
- 1 B3.16
- 1 B3.22
- 1 SFTP25
- 1 SFTP32
- 1 SFTP50
- 5 TPGX 090202L DC100
- 1 TPGX 110302L DC100
- 2 WCGT 020102L DC100

REF.	CODE	Ø	lb
KIT K01 TRM50/80 INCH	655005060802	.24~8.66	13.7
KIT K01 TRM80/80 INCH	655008060802	.24~8.66	14.6

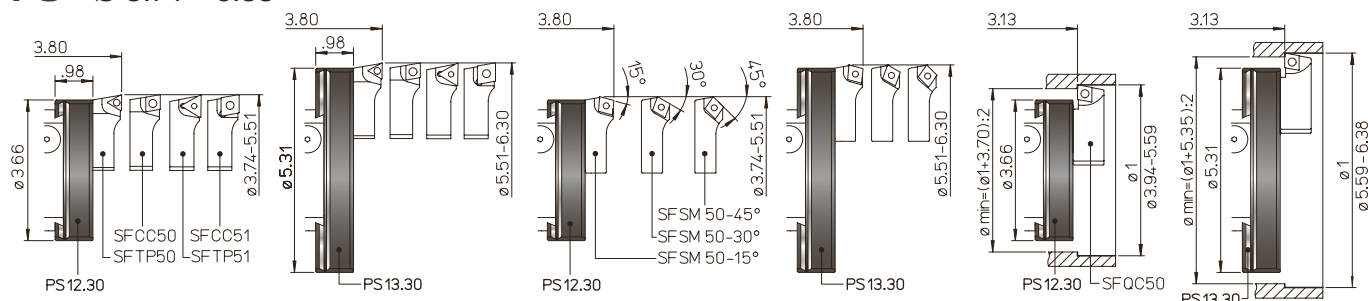
PS + P25 Ø .39 ~ 1.77



P Ø 1.18 ~ 3.35

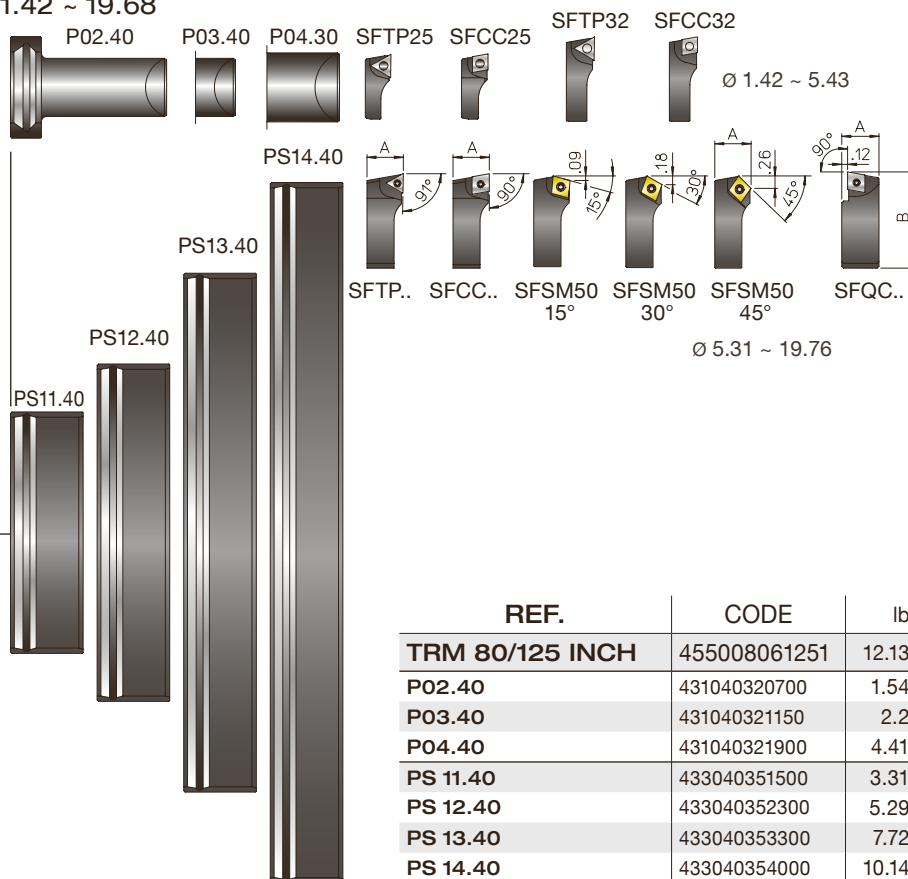
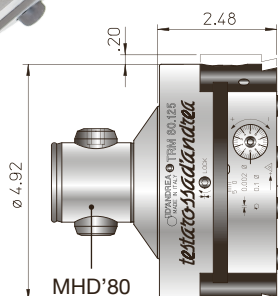


PS Ø 3.74 ~ 6.38



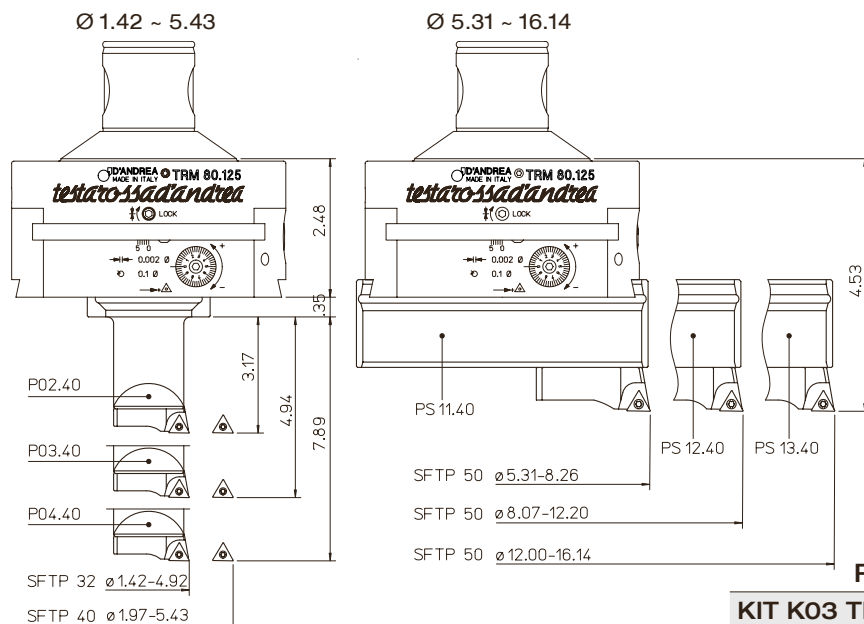
REF.	CODE	Ø1	L	L1	A	B						lb
SFTP 25	470500525001				.39	1.04		TPGX 0902..		CS 250T	TORX T08	0.022
SFTP 32	470500532001				.45	1.36		TPGX 0902..		CS 250T	TORX T08	0.044
SFTP 50	470500550001				.75	2.05		TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003				.83	2.05		TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 25	470500525002				.39	1.04			CCGT 0602..	TS 25	TORX T08	0.022
SFCC 32	470500532002				.45	1.36			CCGT 0602..	TS 25	TORX T08	0.044
SFCC 50	470500550002				.75	2.05			CCGT 09T3..	TS 4	TORX T15	0.17
SFCC 51	470500550004				.83	2.05			CCMT 1204..	TS 5	TORX T25	0.19
SFQC 50	470500550062				.81	2.09			CCMT 09T3..	TS 4	TORXT15	0.22
SFSM 50-15°	470500550011				.75	1.99			CCMT 09T3..	TS 4	TORXT15	0.15
SFSM 50-30°	470500550013				.75	1.99			CCMT 09T3..	TS 4	TORXT15	0.15
SFSM 50-45°	470500550015				.75	1.99			CCMT 09T3..	TS 4	TORXT15	0.15
B1.02	572010502001	.10 ~ .16	.87	.83								0.044
B1.04	572010504001	.16 ~ .24	.94	.94								0.044
B3.06	572010506001	.24 ~ .31	1.14	.83			WCGT 0201..			TS 21	TORX T06	0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10			WCGT 0201..			TS 211	TORX T06	0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38				TPGX 0902..		CS 250 T	TORX T08	0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57				TPGX 0902..		CS 250 T	TORX T08	0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65				TPGX 0902..		CS 250 T	TORX T08	0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97				TPGX 0902..		CS 250 T	TORX T08	0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97				TPGX 0902..		CS 250 T	TORX T08	0.15
B3.18	572010518001	.71 ~ .72	2.48					TPGX 0902..		CS 250 T	TORX T08	0.22
B3.22	572010522001	.22 ~ .30	2.68					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.06	572010506105	.24 ~ .31	1.42				WCGT 0201..			TS 21	TORX T06	0.075
B5.08	572010508105	.31 ~ .39	1.89				WCGT 0201..			TS 211	TORX T06	0.19
B5.10	572010510105	.39 ~ .47	2.36					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.12	572010512105	.47 ~ .55	2.83					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.14	572010514105	.55 ~ .63	3.31					TPGX 0902..		CS 250 T	TORX T08	0.44
B5.16	572010516105	.63 ~ .71	3.78					TPGX 0902..		CS 250 T	TORX T08	0.66
B8.06	572010506108	.24 ~ .31	1.77				WCGT 0201..			TS 21	TORX T06	0.065
B8.08	572010508108	.31 ~ .39	2.36				WCGT 0201..			TS 211	TORX T06	0.17
B8.10	572010510108	.39 ~ .47	2.95					TPGX 0902..		CS 250 T	TORX T08	0.22
B8.12	572010512108	.47 ~ .55	3.54					TPGX 0902..		CS 250 T	TORX T08	0.44
B8.14	572010514108	.55 ~ .63	4.13					TPGX 0902..		CS 250 T	TORX T08	0.44
B8.16	572010516108	.63 ~ .71	4.72					TPGX 0902..		CS 250 T	TORX T08	0.66

TRM 80/125 INCH Ø 1.42 ~ 19.68



REF.	CODE	lb
TRM 80/125 INCH	455008061251	12.13
P02.40	431040320700	1.54
P03.40	431040321150	2.2
P04.40	431040321900	4.41
PS 11.40	433040351500	3.31
PS 12.40	433040352300	5.29
PS 13.40	433040353300	7.72
PS 14.40	433040354000	10.14

KIT K03 Ø 1.42 ~ 16.14

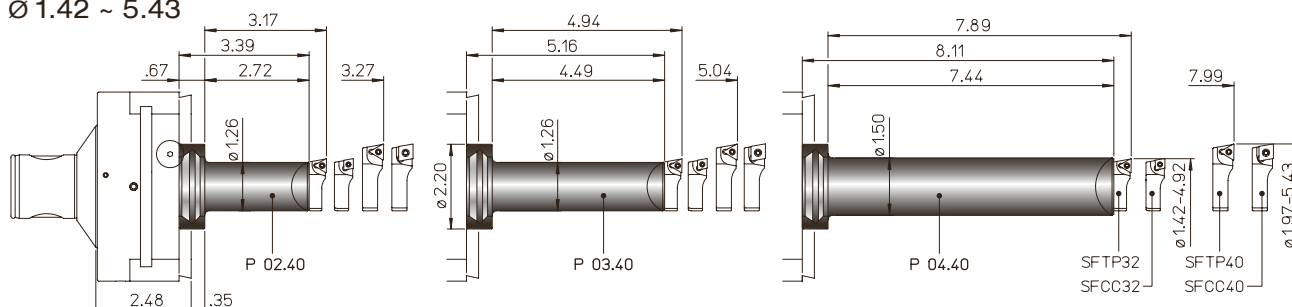


1 P02.40 1 PS11.40 1 SFTP32
1 P03.40 1 PS12.40 1 SFTP40
1 P04.40 1 PS13.40 1 SFTP50

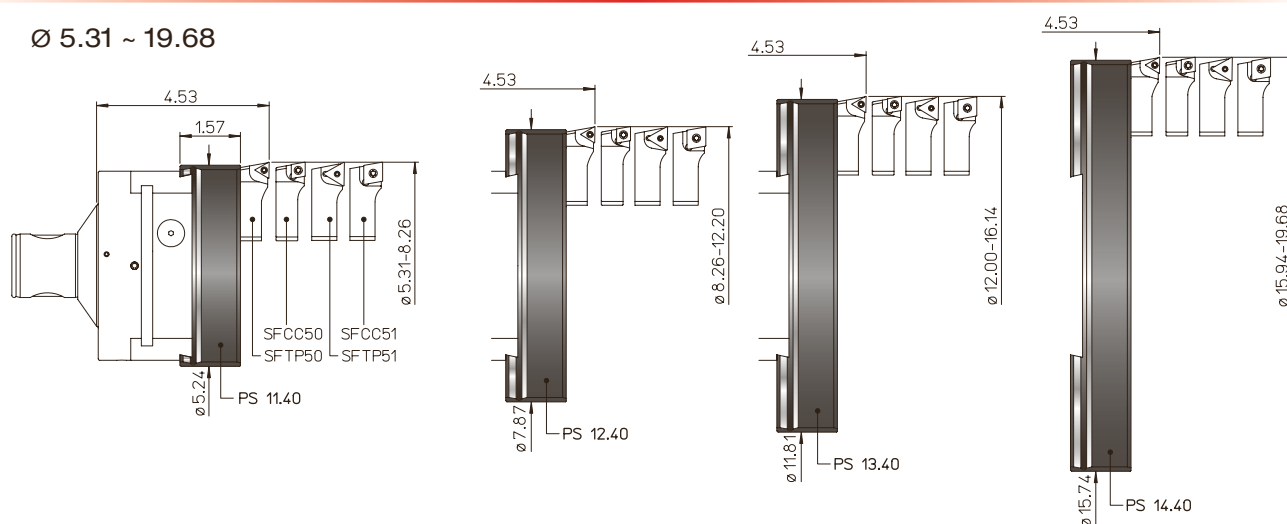
TRM 80/125 INCH NOT INCLUDED

REF.	CODE	Ø	lb
KIT K03 TRM 80/125	655012500030	1.42~16.14	24.69

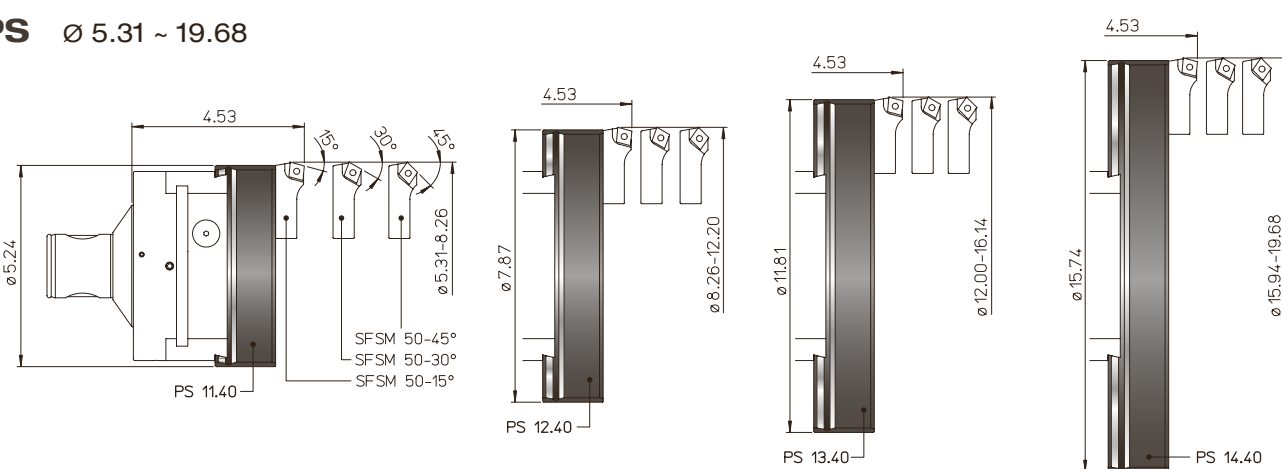
P Ø 1.42 ~ 5.43



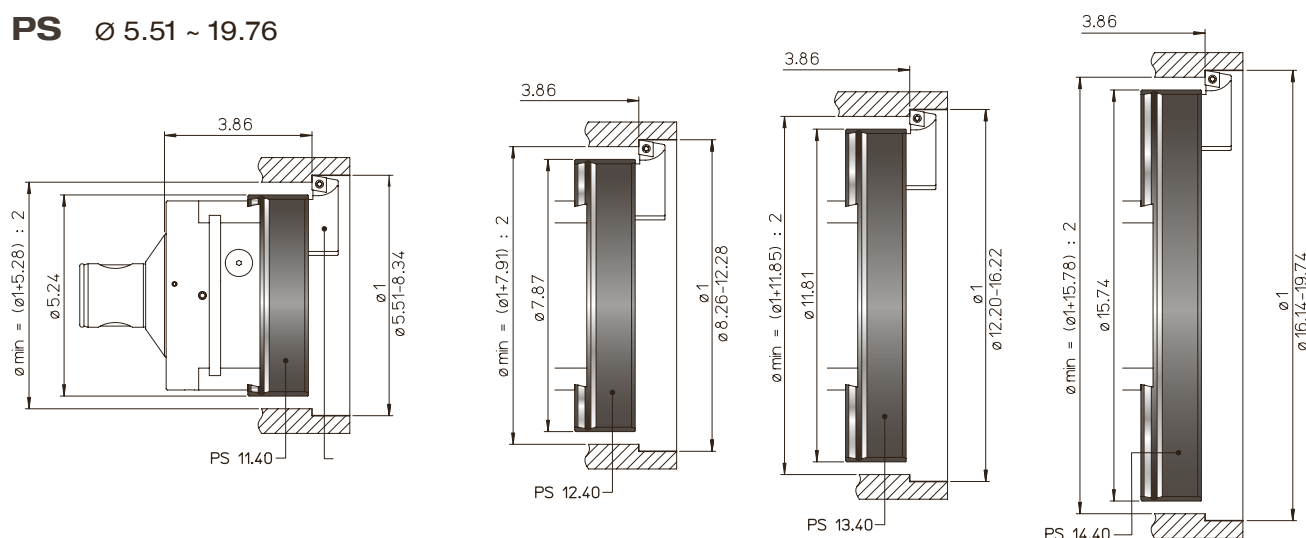
PS Ø 5.31 ~ 19.68



PS Ø 5.31 ~ 19.68



PS Ø 5.51 ~ 19.76



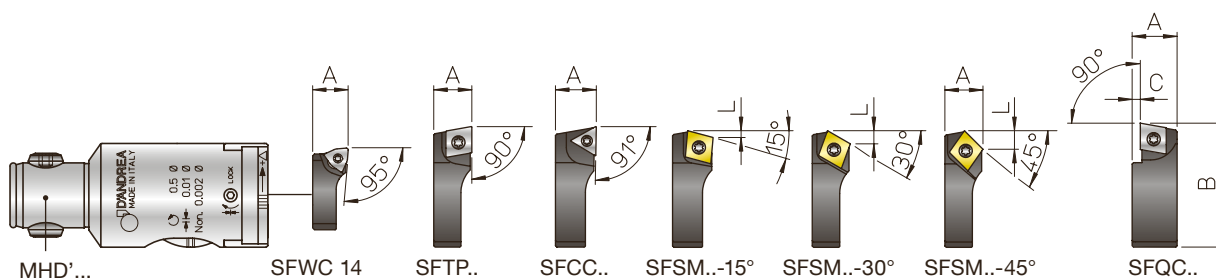
REF.	CODE	A	B					lb
SFTP 32	470500532001	.45	1.36	TPGX 0902..		CS 250T	TORX T08	0.044
SFTP 40	470500540001	.55	1.73	TPGX 1103..		CS 300890T	TORX T08	0.088
SFTP 50	470500550001	.75	2.05	TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003	.83	2.05	TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 32	470500532002	.45	1.36		CCGT 0602..	TS 25	TORX T08	0.044
SFCC 40	470500540002	.55	1.73		CCGT 09T3..	TS 4	TORX T15	0.088
SFCC 50	470500550002	.75	2.05		CCGT 09T3..	TS 4	TORX T15	0.17
SFCC 51	470500550004	.83	2.05		CCMT 1204..	TS 5	TORX T25	0.19
SFQC 50	470500550062	.81	2.09		CCMT 09T3..	TS 4	TORX T15	0.22
SFSM 50-15°	470500550011	.75	1.99		CCMT 09T3..	TS 4	TORX T15	0.15
SFSM 50-30°	470500550013	.75	1.99		CCMT 09T3..	TS 4	TORX T15	0.15
SFSM 50-45°	470500550015	.75	1.99		CCMT 09T3..	TS 4	TORX T15	0.15

TRC 14 ~ 40 INCH Ø .57 ~ 2.60



.0004 μ m
nonio vernier .00008 μ m

REF.	CODE	Ø	lb
TRC 14 INCH	455011460301	.57 ~ .71	0.044
TRC 16 INCH	455011660341	.71 ~ .94	0.11
TRC 20 INCH	455012060401	.94 ~ 1.18	0.22
TRC 25 INCH	455012560501	1.10 ~ 1.57	0.44
TRC 32 INCH	455013260631	1.40 ~ 2.11	0.35
TRC 40 INCH	455014060801	1.89 ~ 2.60	0.77

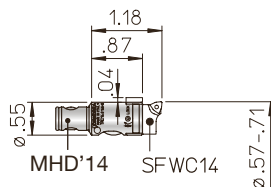


BIT-HOLDERS SFWC.. - SFCC .. - SFTP .. - SF5M .. - SFQC ..

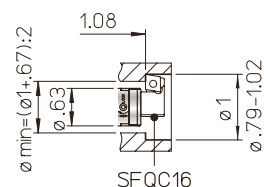
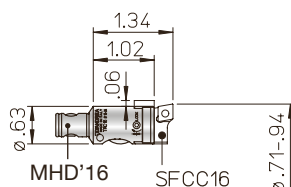


REF.	CODE	A	B	C	L	⊕	⊕	⊕	⊕	⊕	kg
SFWC 14	470500514002	.31	.55			WCGT 0201..			TS 211	TORX T06	0.006
SFCC 16	470500516002	.31	.67			CCGT 0602..			TS 25	TORX T08	0.006
SFCC 20	470500520002	.33	.83			CCGT 0602..			TS 25	TORX T08	0.011
SFCC 25	470500525002	.39	1.04			CCGT 0602..			TS 25	TORX T08	0.022
SFCC 32	470500532002	.45	1.36			CCGT 0602..			TS 25	TORX T08	0.044
SFCC 40	470500540002	.55	1.73			CCGT 09T3..			TS 4	TORX T15	0.088
SFTP 25	470500525001	.39	1.04				TPGX 0902..	CS 250T		TORX T08	0.022
SFTP 32	470500532001	.45	1.36				TPGX 0902..	CS 250T		TORX T08	0.044
SFTP 40	470500540001	.55	1.73				TPGX 1103..	CS 300890T		TORX T08	0.088
SFQC 16	470500516062	.39	.71	.08		CCMT 0602..			TS 25	TORX T08	0.011
SFQC 20	470500520062	.41	.89	.08		CCMT 0602..			TS 25	TORX T08	0.017
SFQC 25	470500525062	.47	1.12	.10		CCMT 0602..			TS 25	TORX T08	0.022
SFQC 32	470500532062	.53	1.40	.10		CCMT 0602..			TS 25	TORX T08	0.066
SFQC 40	470500540062	.65	1.81	.12		CCMT 09T3..			TS 4	TORX T15	0.066
SF5M 25-15°	470500525011	.39	1.00	.06		CCMT 0602..			TS 25	TORX T08	0.022
SF5M 25-30°	470500525013	.39	1.00	.12		CCMT 0602..			TS 25	TORX T08	0.022
SF5M 25-45°	470500525015	.39	1.00	.17		CCMT 0602..			TS 25	TORX T08	0.022
SF5M 32-15°	470500532011	.45	1.32	.06		CCMT 0602..			TS 25	TORX T08	0.044
SF5M 32-30°	470500532013	.45	1.32	.12		CCMT 0602..			TS 25	TORX T08	0.044
SF5M 32-45°	470500532015	.45	1.32	.17		CCMT 0602..			TS 25	TORX T08	0.044
SF5M 40-15°	470500540011	.55	1.67	.09		CCMT 09T3..			TS 4	TORX T15	0.066
SF5M 40-30°	470500540013	.55	1.67	.18		CCMT 09T3..			TS 4	TORX T15	0.066
SF5M 40-45°	470500540015	.55	1.67	.26		CCMT 09T3..			TS 4	TORX T15	0.066

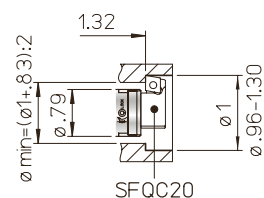
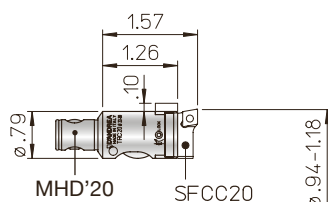
TRC 14 INCH $\varnothing .57 \sim .71$



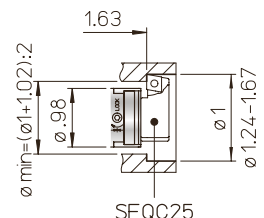
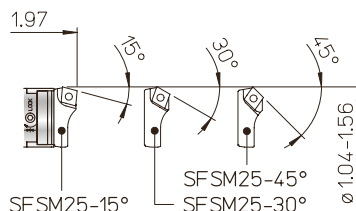
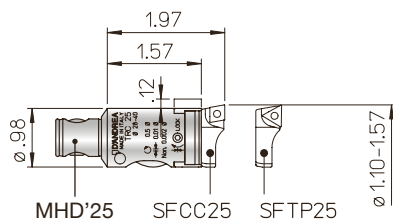
TRC 16 INCH $\varnothing .71 \sim .94$



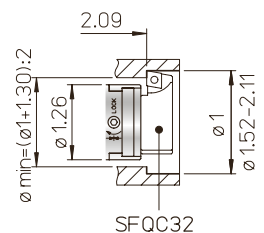
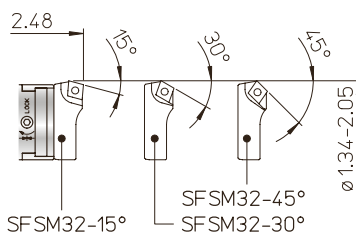
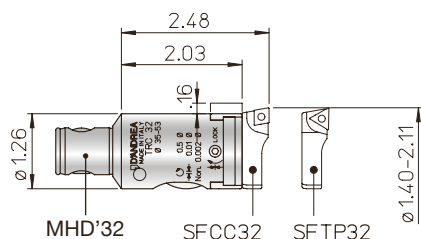
TRC 20 INCH $\varnothing .94 \sim 1.18$



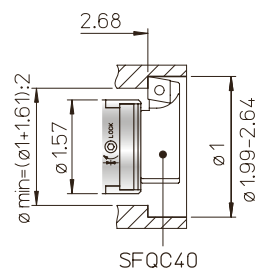
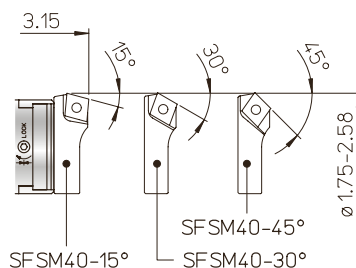
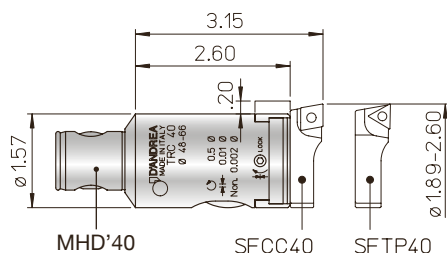
TRC 25 INCH $\varnothing 1.10 \sim 1.57$



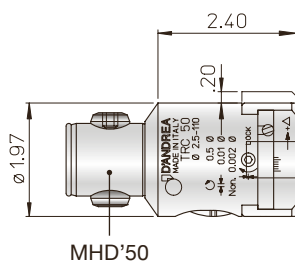
TRC 32 INCH $\varnothing 1.40 \sim 2.11$



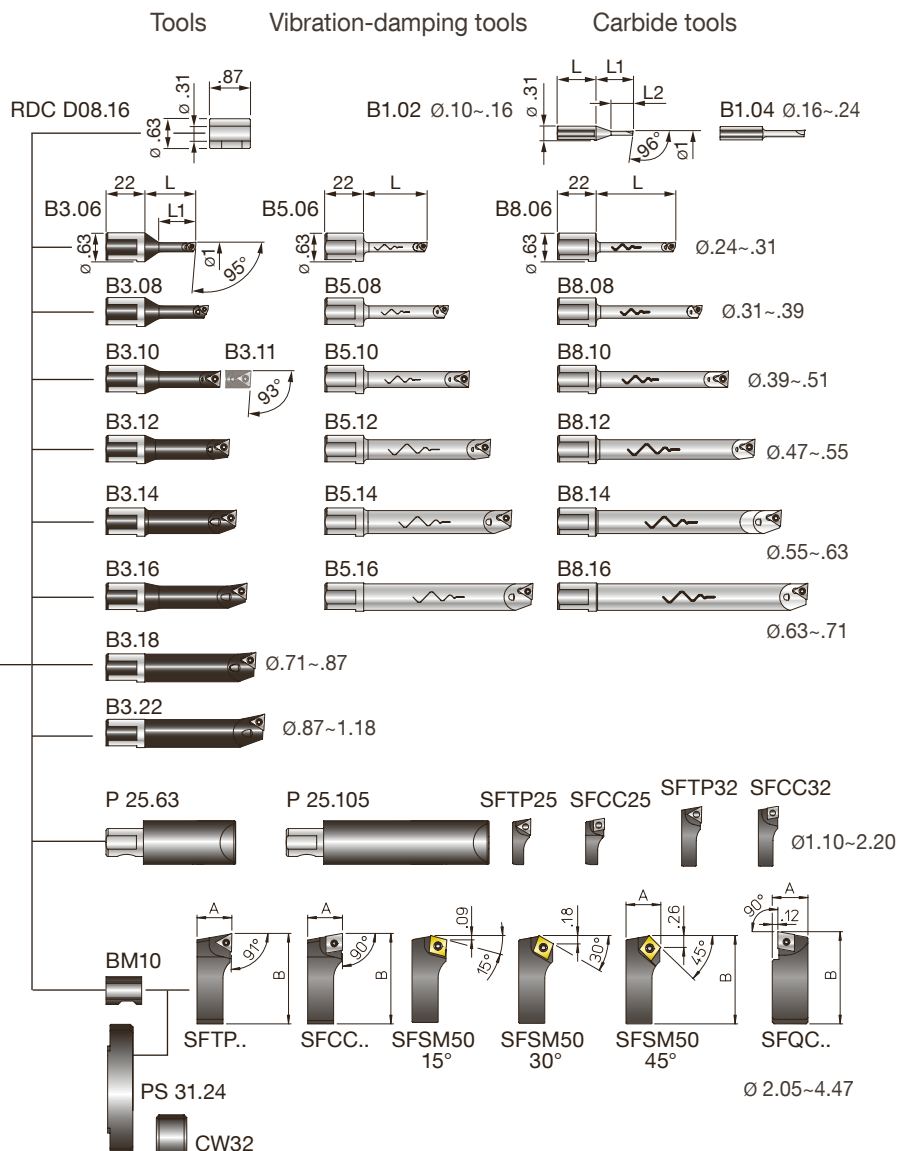
TRC 40 INCH $\varnothing 1.89 \sim 2.60$



TRC 50 INCH Ø .10 ~ 4.33

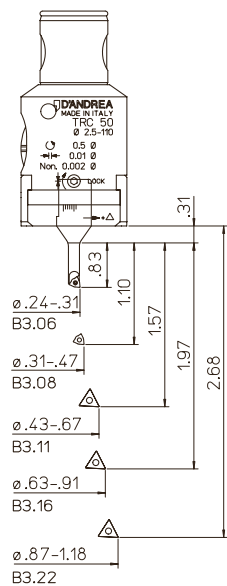


REF.	CODE	lb
TRC 50 INCH	455015060801	2.2
RDC D08.16	200560116082	0.044
P25.63 TR..	435116250631	0.5
P25.105 TR..	435116251051	0.8
PS 31.24 TR..50	433024140751	0.19
CW 32	392011003201	0.07

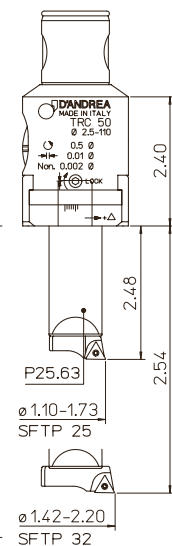


KIT K01 INCH Ø .24 ~ 4.33

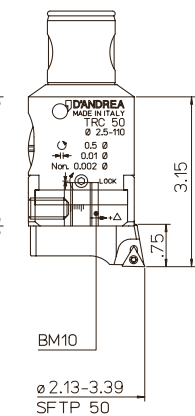
Ø .24 ~ 1.18



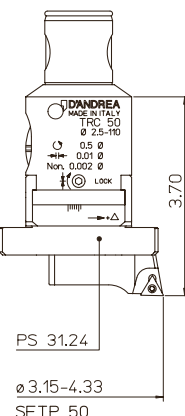
Ø 1.10 ~ 2.20



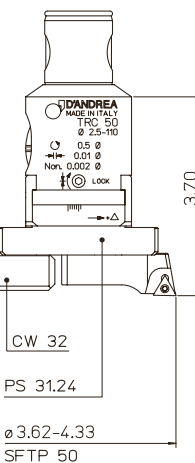
Ø 2.13 ~ 3.39



Ø 3.15 ~ 4.33



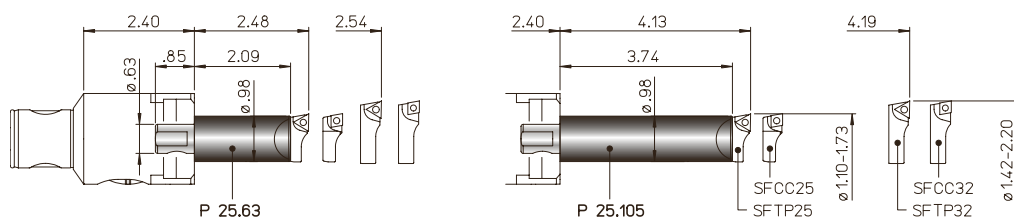
Ø 3.62 ~ 4.33



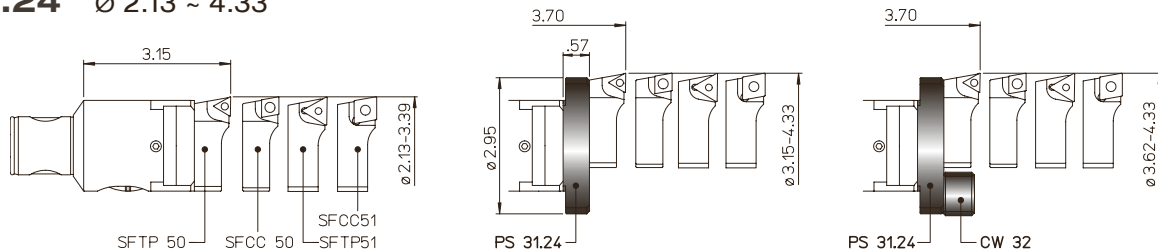
- 1 TRC50 INCH
- 1 BM10
- 1 P25.63
- 1 PS 31.24
- 1 CW 32
- 1 B3.06
- 1 B3.08
- 1 B3.11
- 1 B3.16
- 1 B3.22
- 1 SFTP25
- 1 SFTP32
- 1 SFTP50
- 5 TPGX 090202L DC100
- 1 TPGX 110302L DC100
- 2 WCGT 020102L DC100

REF.	CODE	Ø	lb
KIT K01 TRC 50 INCH	655015060502	.24 ~ 4.33	6.8

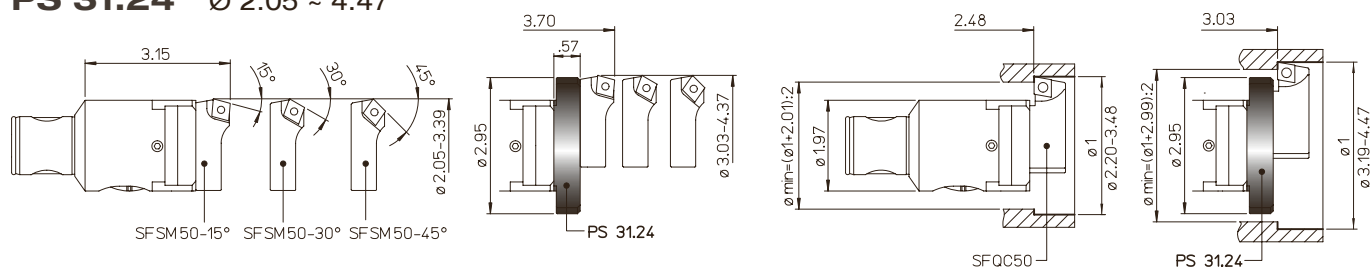
P 25 Ø 1.10 ~ 2.20



PS 31.24 Ø 2.13 ~ 4.33

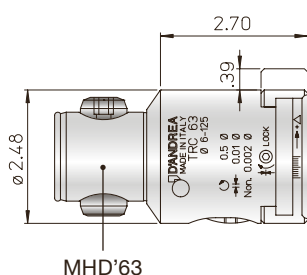


PS 31.24 Ø 2.05 ~ 4.47

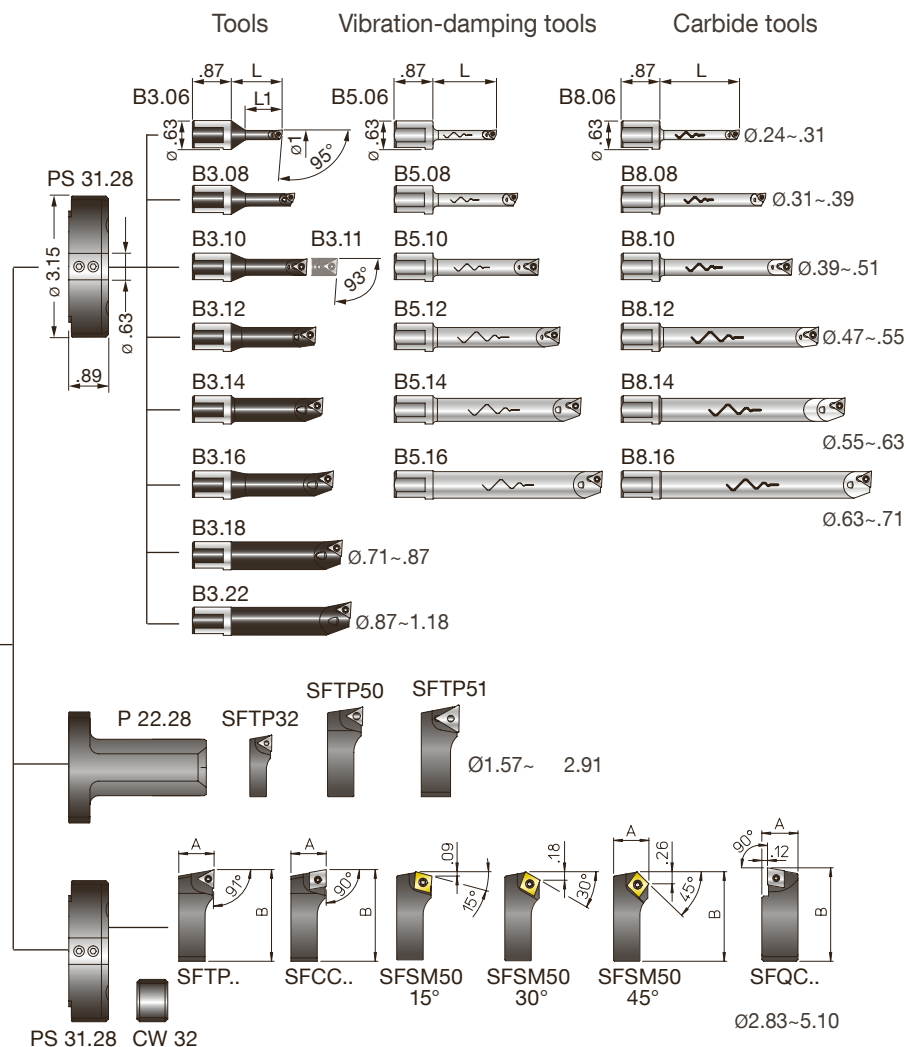
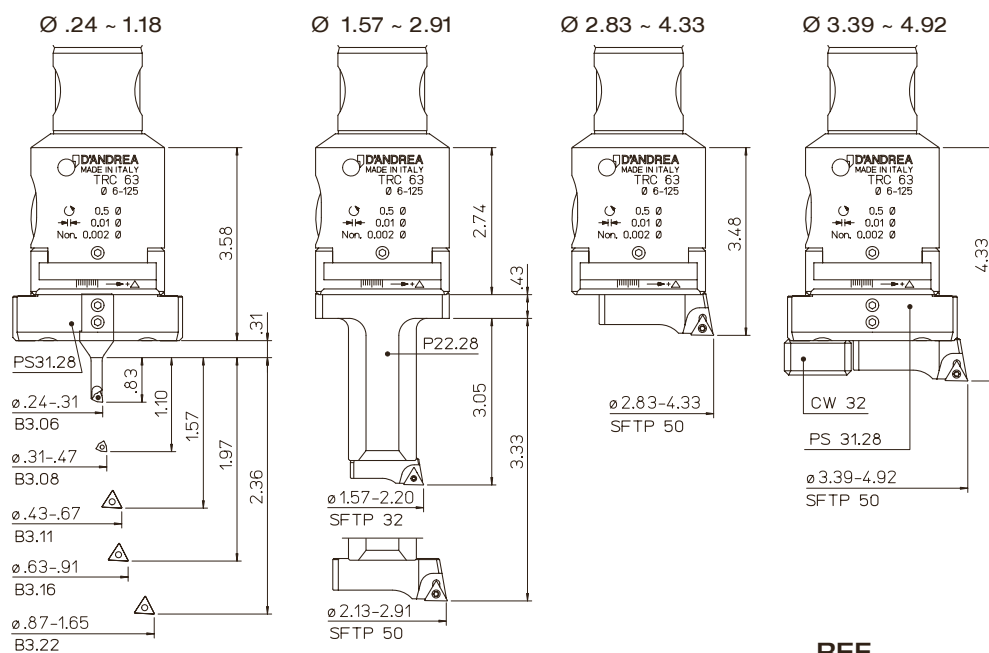


REF.	CODE	Ø1	L	L1	A	B						lb
SFTP 25	470500525001				.39	1.04		TPGX 0902..		CS 250T	TORX T08	0.022
SFTP 32	470500532001				.45	1.36		TPGX 0902..		CS 250T	TORX T08	0.044
SFTP 50	470500550001				.75	2.05		TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003				.83	2.05		TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 25	470500525002				.39	1.04		CCGT 0602..		TS 25	TORX T08	0.022
SFCC 32	470500532002				.45	1.36		CCGT 0602..		TS 25	TORX T08	0.044
SFCC 50	470500550002				.75	2.05		CCGT 09T3..		TS 4	TORX T15	0.17
SFCC 51	470500550004				.83	2.05		CCMT 1204..		TS 5	TORX T25	0.19
SFQC 50	470500550062				.81	2.09		CCMT 09T3..		TS 4	TORXT15	0.22
SFSM 50-15°	470500550011				.75	1.99		CCMT 09T3..		TS 4	TORXT15	0.15
SFSM 50-30°	470500550013				.75	1.99		CCMT 09T3..		TS 4	TORXT15	0.15
SFSM 50-45°	470500550015				.75	1.99		CCMT 09T3..		TS 4	TORXT15	0.15
B1.02	572010502001	.10 ~ .16	.87	.83								0.044
B1.04	572010504001	.16 ~ .24	.94	.94								0.044
B3.06	572010506001	.24 ~ .31	1.14	.83			WCGT 0201..			TS 21	TORX T06	0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10			WCGT 0201..			TS 211	TORX T06	0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38			TPGX 0902..			CS 250 T	TORX T08	0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57			TPGX 0902..			CS 250 T	TORX T08	0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65			TPGX 0902..			CS 250 T	TORX T08	0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97			TPGX 0902..			CS 250 T	TORX T08	0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97			TPGX 0902..			CS 250 T	TORX T08	0.15
B3.18	572010518001	.71 ~ .72	2.48				TPGX 0902..			CS 250 T	TORX T08	0.22
B3.22	572010522001	.72 ~ .80	2.68				TPGX 0902..			CS 250 T	TORX T08	0.22
B5.06	572010506105	.24 ~ .31	1.42				WCGT 0201..			TS 21	TORX T06	0.075
B5.08	572010508105	.31 ~ .39	1.89				WCGT 0201..			TS 211	TORX T06	0.19
B5.10	572010510105	.39 ~ .47	2.36				TPGX 0902..			CS 250 T	TORX T08	0.22
B5.12	572010512105	.47 ~ .55	2.83				TPGX 0902..			CS 250 T	TORX T08	0.22
B5.14	572010514105	.55 ~ .63	3.31				TPGX 0902..			CS 250 T	TORX T08	0.44
B5.16	572010516105	.63 ~ .71	3.78				TPGX 0902..			CS 250 T	TORX T08	0.66
B8.06	572010506108	.24 ~ .31	1.77				WCGT 0201..			TS 21	TORX T06	0.065
B8.08	572010508108	.31 ~ .39	2.36				WCGT 0201..			TS 211	TORX T06	0.17
B8.10	572010510108	.39 ~ .47	2.95				TPGX 0902..			CS 250 T	TORX T08	0.22
B8.12	572010512108	.47 ~ .55	3.54				TPGX 0902..			CS 250 T	TORX T08	0.44
B8.14	572010514108	.55 ~ .63	4.13				TPGX 0902..			CS 250 T	TORX T08	0.44
B8.16	572010516108	.63 ~ .71	4.72				TPGX 0902..			CS 250 T	TORX T08	0.66

TRC 63 INCH Ø .24 ~ 4.92



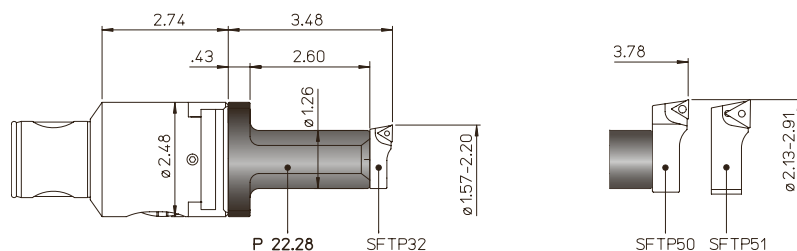
REF.	CODE	lb
TRC 63 INCH	455016361001	4.4
P 22.28	433028220631	0.99
PS 31.28 TRC 63	433028220801	0.66
CW 32	392011003201	0.15

**KIT K01 INCH** Ø .24 ~ 4.92

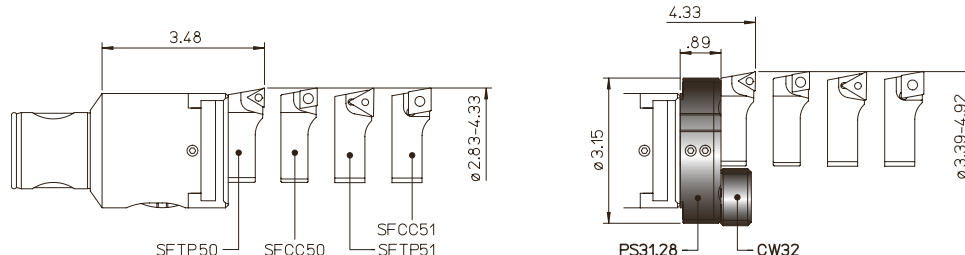
1 TRC 63 INCH	1 B3.16
1 PS31.28	1 B3.22
1 CW 32	1 SFTP32
1 P22.28	1 SFTP50
1 B3.06	5 TPGX 090202L DC100
1 B3.08	1 TPGX 110302L DC100
1 B3.11	2 WCGT 020102L DC100

REF.	CODE	Ø	lb
KIT K01 TRC 63 INCH	655016360632	.24 ~ 4.29	9.9

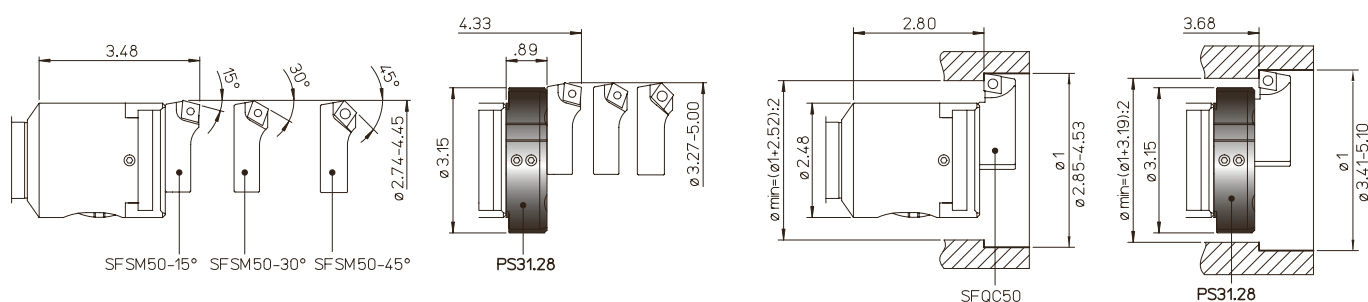
P 22 Ø 1.57 ~ 2.91



PS 31.28 Ø 2.83 ~ 4.92

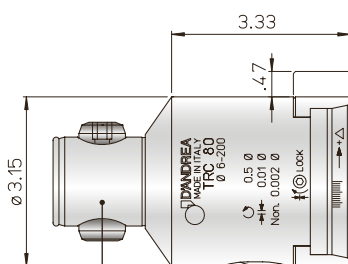


PS 31.28 Ø 2.72 ~ 5.10



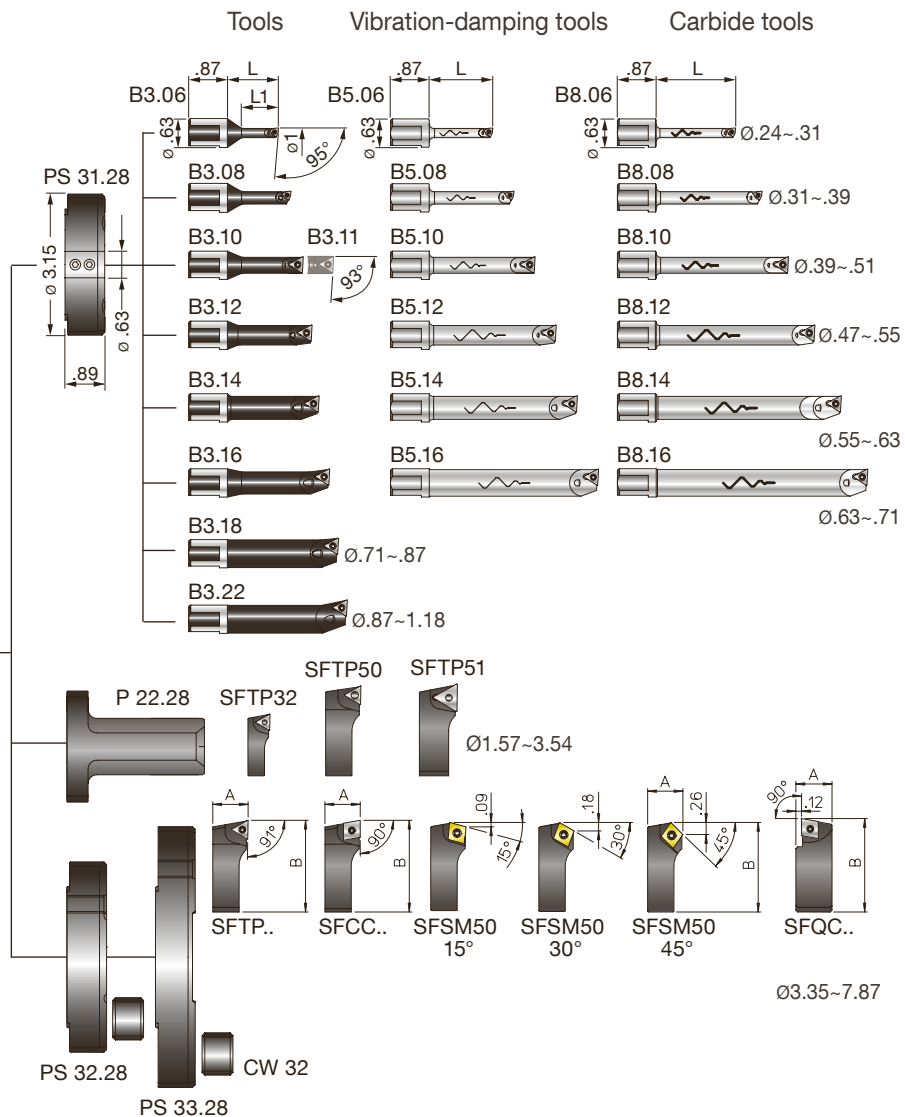
REF.	CODE	Ø1	L	L1	A	B						lb
SFTP 32	470500532001			.45	1.36		TPGX 0902..		CS 250T	TORX T08		0.044
SFTP 50	470500550001			.75	2.05		TPGX 1103..		CS 300890T	TORX T08		0.17
SFTP 51	470500550003			.83	2.05		TCMT 16T3..		TS 4	TORX T15		0.19
SFCC 50	470500550002			.75	2.05		CCGT 09T3..		TS 4	TORX T15		0.17
SFCC 51	470500550004			.83	2.05		CCMT 1204..		TS 5	TORX T25		0.19
SFQC 50	470500550062			.81	2.09		CCMT 09T3..		TS 4	TORX T15		0.22
SFSM 50-15°	470500550011			.75	1.99		CCMT 09T3..		TS 4	TORX T15		0.15
SFSM 50-30°	470500550013			.75	1.99		CCMT 09T3..		TS 4	TORX T15		0.15
SFSM 50-45°	470500550015			.75	1.99		CCMT 09T3..		TS 4	TORX T15		0.15
B3.06	572010506001	.24 ~ .31	1.14	.83			WCGT 0201..		TS 21	TORX T06		0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10			WCGT 0201..		TS 211	TORX T06		0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38			TPGX 0902..		CS 250 T	TORX T08		0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57			TPGX 0902..		CS 250 T	TORX T08		0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65			TPGX 0902..		CS 250 T	TORX T08		0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97			TPGX 0902..		CS 250 T	TORX T08		0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97			TPGX 0902..		CS 250 T	TORX T08		0.15
B3.18	572010518001	.71 ~ .72	2.48				TPGX 0902..		CS 250 T	TORX T08		0.22
B3.22	572010522001	.22 ~ .30	2.68				TPGX 0902..		CS 250 T	TORX T08		0.22
B5.06	572010506105	.24 ~ .31	1.42				WCGT 0201..		TS 21	TORX T06		0.075
B5.08	572010508105	.31 ~ .39	1.89				WCGT 0201..		TS 211	TORX T06		0.19
B5.10	572010510105	.39 ~ .47	2.36				TPGX 0902..		CS 250 T	TORX T08		0.22
B5.12	572010512105	.47 ~ .55	2.83				TPGX 0902..		CS 250 T	TORX T08		0.22
B5.14	572010514105	.55 ~ .63	3.31				TPGX 0902..		CS 250 T	TORX T08		0.44
B5.16	572010516105	.63 ~ .71	3.78				TPGX 0902..		CS 250 T	TORX T08		0.66
B8.06	572010506108	.24 ~ .31	1.77				WCGT 0201..		TS 21	TORX T06		0.065
B8.08	572010508108	.31 ~ .39	2.36				WCGT 0201..		TS 211	TORX T06		0.17
B8.10	572010510108	.39 ~ .47	2.95				TPGX 0902..		CS 250 T	TORX T08		0.22
B8.12	572010512108	.47 ~ .55	3.54				TPGX 0902..		CS 250 T	TORX T08		0.44
B8.14	572010514108	.55 ~ .63	4.13				TPGX 0902..		CS 250 T	TORX T08		0.44
B8.16	572010516108	.63 ~ .71	4.72				TPGX 0902..		CS 250 T	TORX T08		0.66

TRC 80 INCH Ø .24 ~ 7.87

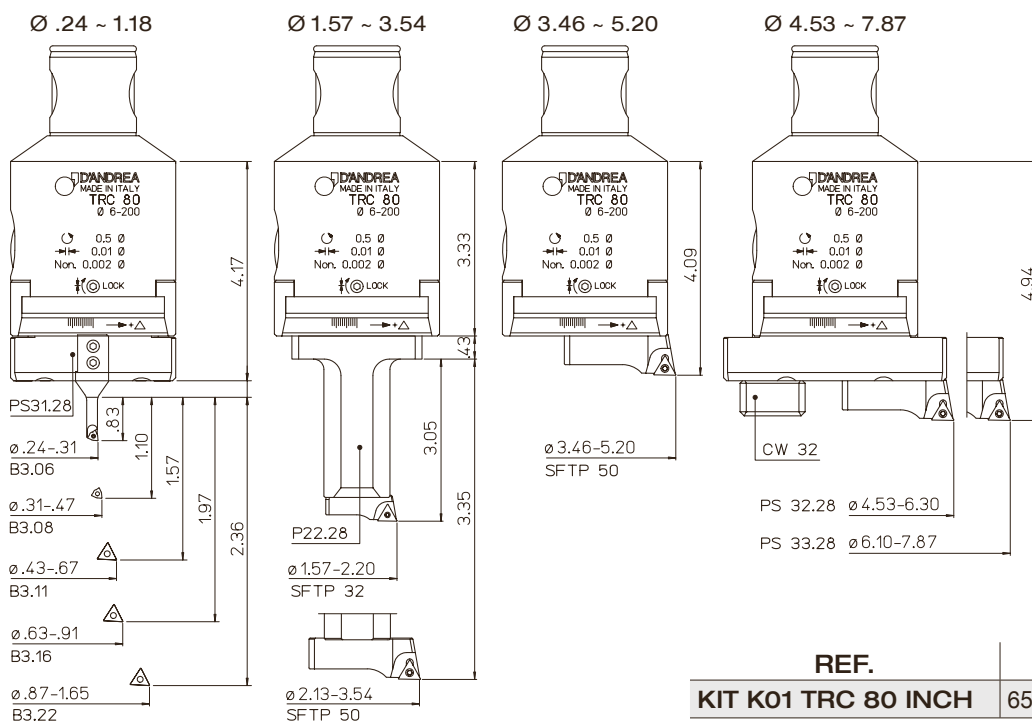


MHD'80

REF.	CODE	lb
TRC 80 INCH	455018061201	8.4
P 22.28	433028220631	0.99
PS 31.28 TRC 80	433028220801	0.66
PS 32.28 TRC 80	433028221081	1.1
PS 33.28 TRC 80	433028221481	1.3
CW 32	392011003201	0.15

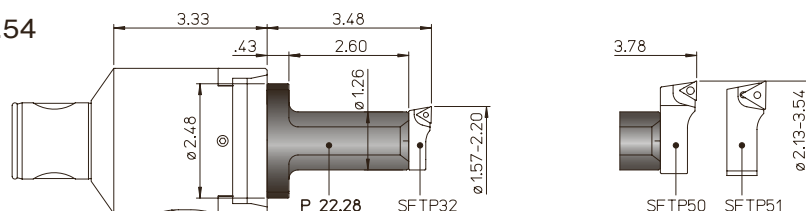


KIT K01 INCH Ø .24 ~ 7.87

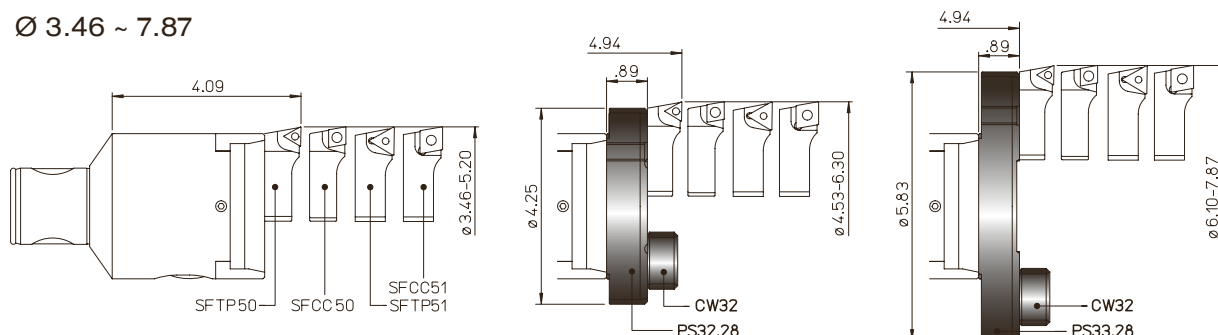


- 1 TRC80 INCH
- 1 PS31.28
- 1 PS32.28
- 1 PS33.28
- 1 CW 32
- 1 P22.28
- 1 B3.06
- 1 B3.08
- 1 B3.11
- 1 B3.16
- 1 B3.22
- 1 SFTP32
- 1 SFTP50
- 5 TPGX 090202L DC100
- 1 TPGX 110302L DC100
- 2 WCGT 020102L DC100

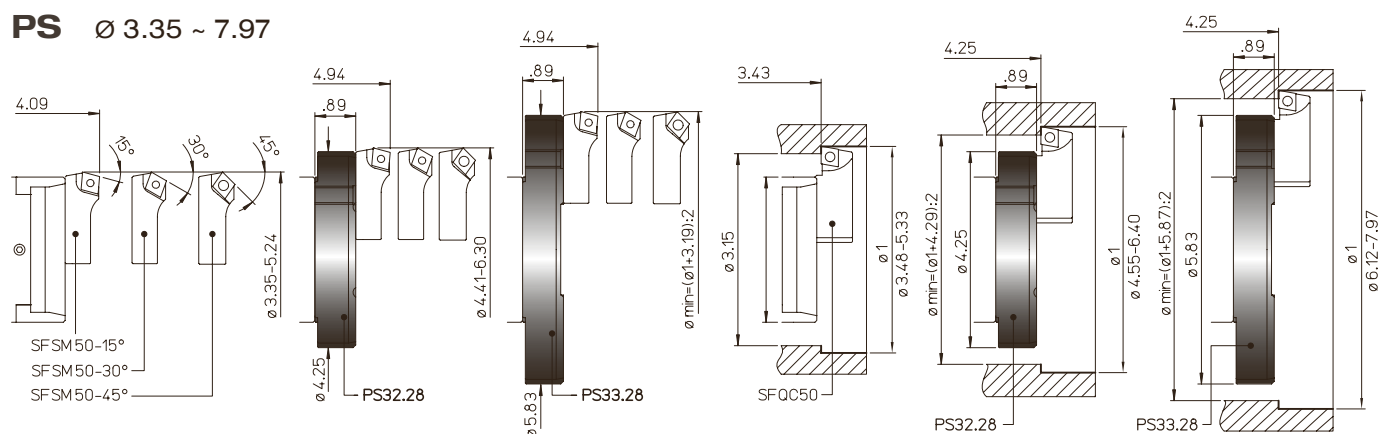
P 22 Ø 1.57 ~ 3.54



PS Ø 3.46 ~ 7.87

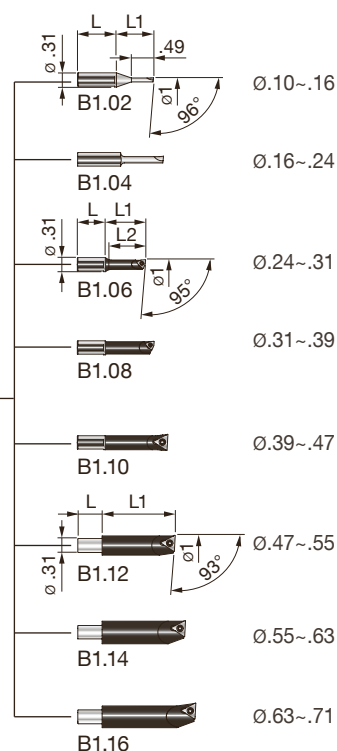
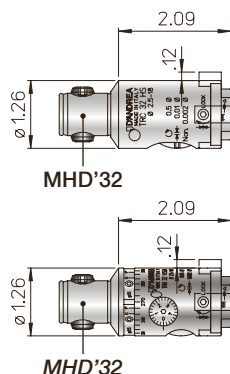


PS Ø 3.35 ~ 7.97



REF.	CODE	Ø1	L	L1	A	B						lb
SFTP 32	470500532001				.45	1.36		TPGX 0902..		CS 250T	TORX T08	0.044
SFTP 50	470500550001				.75	2.05		TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003				.83	2.05		TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 50	470500550002				.75	2.05			CCGT 09T3..	TS 4	TORX T15	0.17
SFCC 51	470500550004				.83	2.05			CCMT 1204..	TS 5	TORX T25	0.19
SFQC 50	470500550062				.81	2.09			CCMT 09T3..	TS 4	TORXT15	0.22
SFSM 50-15°	470500550011				.75	1.99			CCMT 09T3..	TS 4	TORXT15	0.15
SFSM 50-30°	470500550013				.75	1.99			CCMT 09T3..	TS 4	TORXT15	0.15
SFSM 50-45°	470500550015				.75	1.99			CCMT 09T3..	TS 4	TORXT15	0.15
B3.06	572010506001	.24 ~ .31	1.14	.83			WCGT 0201..			TS 21	TORX T06	0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10			WCGT 0201..			TS 211	TORX T06	0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38				TPGX 0902..		CS 250 T	TORX T08	0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57				TPGX 0902..		CS 250 T	TORX T08	0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65				TPGX 0902..		CS 250 T	TORX T08	0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97				TPGX 0902..		CS 250 T	TORX T08	0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97				TPGX 0902..		CS 250 T	TORX T08	0.15
B3.18	572010518001	.71 ~ .72	2.48					TPGX 0902..		CS 250 T	TORX T08	0.22
B3.22	572010522001	.22 ~ .30	2.68					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.06	572010506105	.24 ~ .31	1.42				WCGT 0201..			TS 21	TORX T06	0.075
B5.08	572010508105	.31 ~ .39	1.89				WCGT 0201..			TS 211	TORX T06	0.19
B5.10	572010510105	.39 ~ .47	2.36					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.12	572010512105	.47 ~ .55	2.83					TPGX 0902..		CS 250 T	TORX T08	0.22
B5.14	572010514105	.55 ~ .63	3.31					TPGX 0902..		CS 250 T	TORX T08	0.44
B5.16	572010516105	.63 ~ .71	3.78					TPGX 0902..		CS 250 T	TORX T08	0.66
B8.06	572010506108	.24 ~ .31	1.77				WCGT 0201..			TS 21	TORX T06	0.065
B8.08	572010508108	.31 ~ .39	2.36				WCGT 0201..			TS 211	TORX T06	0.17
B8.10	572010510108	.39 ~ .47	2.95					TPGX 0902..		CS 250 T	TORX T08	0.22
B8.12	572010512108	.47 ~ .55	3.54					TPGX 0902..		CS 250 T	TORX T08	0.44
B8.14	572010514108	.55 ~ .63	4.13					TPGX 0902..		CS 250 T	TORX T08	0.44
B8.16	572010516108	.63 ~ .71	4.72					TPGX 0902..		CS 250 T	TORX T08	0.66

TRC 32 HS INCH
TRM 32 HSB INCH Ø .10 ~ .71



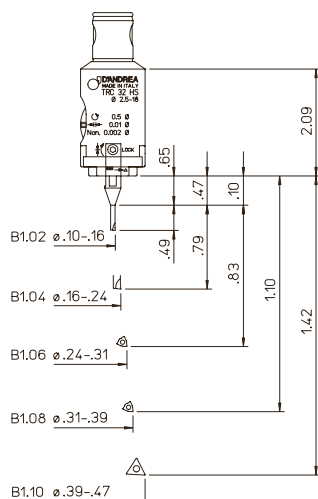
REF.	CODE	Ø	lb
TRC 32 HS INCH	455033260531	.10~.71	0.77
TRM 32 HSB INCH	455103260531	.10~.71	0.77

KIT K01 TRC32HS INCH Ø .10 ~ .47

REF.	CODE	Ø	lb
KIT K01 TRC32HS INCH	655033280322	.10~.47	2.2



1 TRC 32 HS INCH
1 B1.02
1 B1.04
1 B1.06
1 B1.08
1 B1.10
5 TPGX 090202L DC100
2 WCGT 020102L DC100

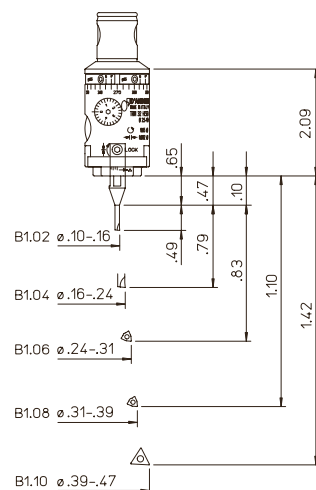


KIT K01 TRM32HSB INCH Ø .10 ~ .47

REF.	CODE	Ø	lb
KIT K01 TRM32HSB INCH	655003280321	.10~.47	2.2



1 TRM 32 HSB INCH
1 B1.02
1 B1.04
1 B1.06
1 B1.08
1 B1.10
5 TPGX 090202L DC100
2 WCGT 020102L DC100

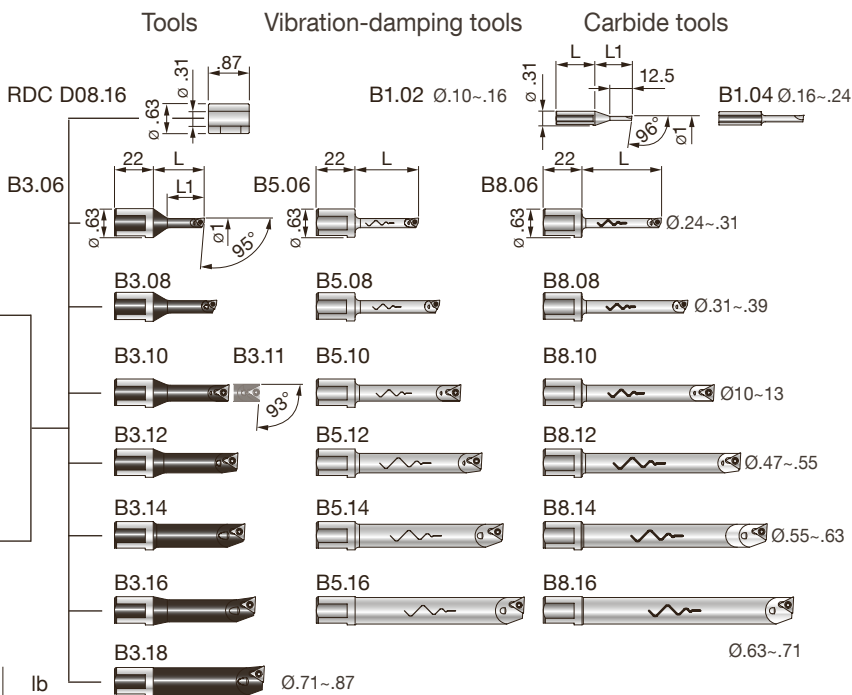


REF.	CODE	Ø1	L	L1					lb
B1.02	572010502001	.10 ~ .16	.87	.83					0.044
B1.04	572010504001	.16 ~ .24	.94	.94					0.044
B1.06	572010506000	.24 ~ .31	.63	.91	WCGT 0201..		TS 21	TORX T06	0.01
B1.08	572010508000	.31 ~ .39	.63	1.10	WCGT 0201..		TS 211	TORX T06	0.015
B1.10	572010510000	.39 ~ .47	.63	1.42		TPGX 0902..	CS 250 T	TORX T08	0.02
B1.12	572010512000	.47 ~ .55	.55	1.65		TPGX 0902..	CS 250 T	TORX T08	0.03
B1.14	572010514000	.55 ~ .63	.55	1.89		TPGX 0902..	CS 250 T	TORX T08	0.04
B1.16	572010516000	.63 ~ .71	.55	2.13		TPGX 0902..	CS 250 T	TORX T08	0.05

TRC 50 HS INCH
TRM 50 HSB INCH Ø .10~.87



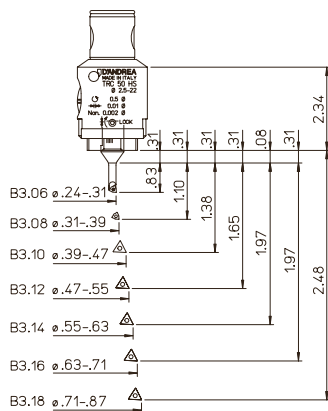
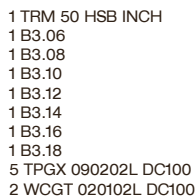
REF.	CODE	Ø	lb
TRC 50 HS INCH	455035060601	.10 ~ .87	2.2
TRM 50 HSB INCH	455105060701	.10 ~ .87	3.1



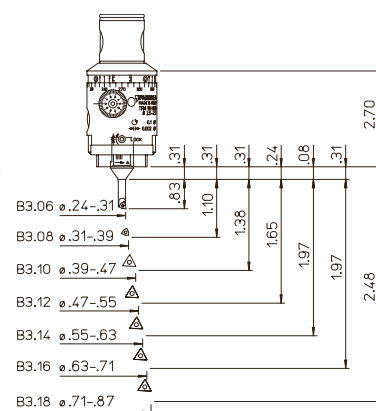
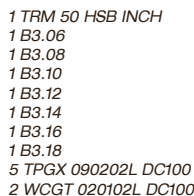
REF.	CODE	lb
RDC D08.16	200560116082	0.044

KIT K01 TRC50HS INCH Ø .24 ~ .87

REF.	CODE	Ø	lb
KIT K01 TRC50HS INCH	655035080502	.24~.87	4.0

**KIT K01 TRM50HSB INCH Ø .24 ~ .87**

REF.	CODE	Ø	lb
KIT K01 TRM50HSB INCH	655005080501	.24~.87	4.6

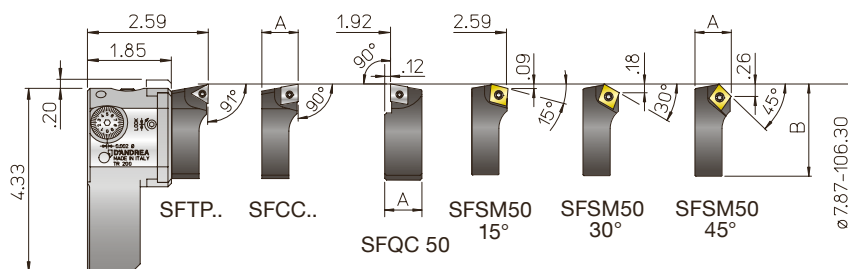


REF.	CODE	Ø1	L	L1					lb
B1.02	572010502001	.10 ~ .16	.87	.83					0.044
B1.04	572010504001	.16 ~ .24	.94	.94					0.044
B3.06	572010506001	.24 ~ .31	1.14	.83	WCGT 0201..		TS 21	TORX T06	0.035
B3.08	572010508001	.31 ~ .39	1.42	1.10	WCGT 0201..		TS 211	TORX T06	0.088
B3.10	572010510001	.39 ~ .47	1.69	1.38		TPGX 0902..	CS 250 T	TORX T08	0.05
B3.11	572010511001	.43 ~ .51	1.89	1.57		TPGX 0902..	CS 250 T	TORX T08	0.055
B3.12	572010512001	.47 ~ .55	1.89	1.65		TPGX 0902..	CS 250 T	TORX T08	0.13
B3.14	572010514001	.55 ~ .63	2.05	1.97		TPGX 0902..	CS 250 T	TORX T08	0.15
B3.16	572010516001	.63 ~ .71	2.28	1.97		TPGX 0902..	CS 250 T	TORX T08	0.15
B3.18	572010518001	.71 ~ 22	2.48			TPGX 0902..	CS 250 T	TORX T08	0.22
B5.06	572010506105	.24 ~ .31	1.42		WCGT 0201..		TS 21	TORX T06	0.075
B5.08	572010508105	.31 ~ .39	1.89		WCGT 0201..		TS 211	TORX T06	0.19
B5.10	572010510105	.39 ~ .47	2.36			TPGX 0902..	CS 250 T	TORX T08	0.22
B5.12	572010512105	.47 ~ .55	2.83			TPGX 0902..	CS 250 T	TORX T08	0.22
B5.14	572010514105	.55 ~ .63	3.31			TPGX 0902..	CS 250 T	TORX T08	0.44
B5.16	572010516105	.63 ~ .71	3.78			TPGX 0902..	CS 250 T	TORX T08	0.66
B8.06	572010506108	.24 ~ .31	1.77		WCGT 0201..		TS 21	TORX T06	0.065
B8.08	572010508108	.31 ~ .39	2.36		WCGT 0201..		TS 211	TORX T06	0.17
B8.10	572010510108	.39 ~ .47	2.95			TPGX 0902..	CS 250 T	TORX T08	0.22
B8.12	572010512108	.47 ~ .55	3.54			TPGX 0902..	CS 250 T	TORX T08	0.44
B8.14	572010514108	.55 ~ .63	4.13			TPGX 0902..	CS 250 T	TORX T08	0.44
B8.16	572010516108	.63 ~ .71	4.72			TPGX 0902..	CS 250 T	TORX T08	0.66

TR 200 INCH Ø 7.87 ~ 106.30

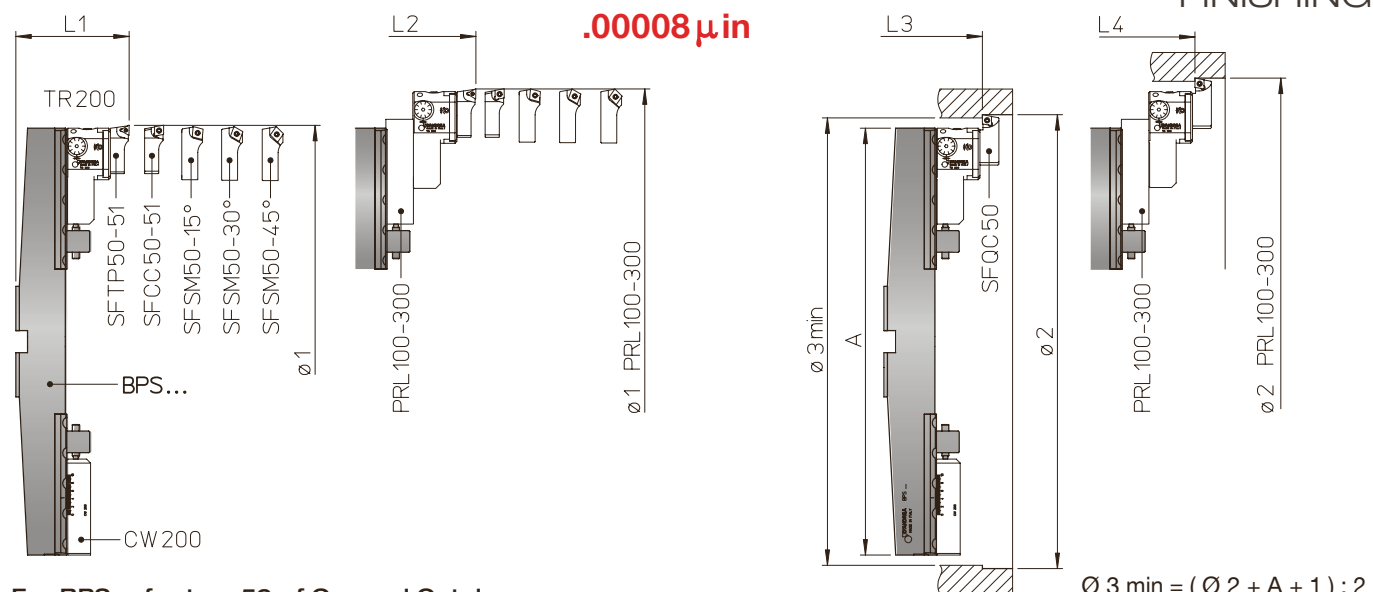


.00008 μin



REF.	CODE	Ø	lb
TR 200 INCH	455020062000	7.87 ~ 106.30	2.87

BPS Ø 7.87 ~ 47.32



For BPS refer to p.59 of General Catalogue

	BPS 200	BPS 300	BPS 400	BPS 500	BPS 600	BPS 700	BPS 800
A	7.64	11.73	15.51	19.45	23.39	27.32	31.26
Ø 1	7.87 ~ 11.81	11.81 ~ 15.75	15.75 ~ 19.69	19.69 ~ 23.62	23.62 ~ 27.56	27.56 ~ 31.50	31.50 ~ 35.43
Ø 1 PRL 100	11.81 ~ 15.75	15.75 ~ 19.69	19.69 ~ 23.62	23.62 ~ 27.56	27.56 ~ 31.50	31.50 ~ 35.43	35.43 ~ 39.37
Ø 1 PRL 300	15.75 ~ 23.62	19.69 ~ 27.56	23.62 ~ 30.00	27.56 ~ 35.43	31.50 ~ 39.37	35.43 ~ 43.31	39.37 ~ 47.24
Ø 2	7.95 ~ 11.89	11.89 ~ 15.83	15.83 ~ 19.76	19.76 ~ 23.76	23.76 ~ 27.64	27.64 ~ 31.57	31.57 ~ 35.51
Ø 2 PRL 100	11.89 ~ 15.83	15.83 ~ 19.76	19.76 ~ 23.76	23.76 ~ 27.64	27.64 ~ 31.57	31.57 ~ 35.51	35.51 ~ 39.45
Ø 2 PRL 300	15.83 ~ 23.76	19.76 ~ 27.64	23.76 ~ 31.57	27.64 ~ 35.51	31.57 ~ 39.45	35.51 ~ 43.39	39.45 ~ 47.32
L1	4.72	4.72	5.00	5.31	5.39	5.51	5.75
L2 PRL 100	5.91	5.91	6.18	6.50	6.57	6.69	6.93
L2 PRL 300	6.30	6.30	6.57	6.89	6.97	7.09	7.32
L3	4.06	4.06	4.33	4.65	4.72	4.84	5.08
L4 PRL 100	5.24	5.24	5.51	5.83	5.91	6.02	6.26
L4 PRL 300	5.63	5.63	5.91	6.22	6.30	6.42	6.65

BIT-HOLDERS SFTP .. - SFCC .. - SFQC .. - SF5M ..



SFTP..



SFCC..



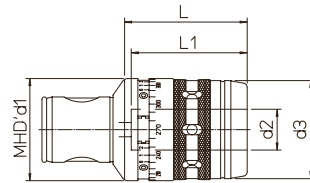
SFQC..



SF5M..-15°

REF.	CODE	A	B	△	□	□	□	lb
SFTP 50	470500550001	.75	2.05	TPGX 1103..		CS 300890T	TORX T08	0.17
SFTP 51	470500550003	.83	2.05	TCMT 16T3..		TS 4	TORX T15	0.19
SFCC 50	470500550002	.75	2.05		CCGT 09T3..	TS 4	TORX T15	0.17
SFCC 51	470500550004	.83	2.05		CCMT 1204..	TS 5	TORX T25	0.19
SFQC 50	470500550062	.81	2.09		CCMT 09T3..	TS 4	TORX T15	0.22
SF5M 50-15°	470500550011	.75	1.99		CCMT 09T3..	TS 4	TORX T15	0.15
SF5M 50-30°	470500550013	.75	1.99		CCMT 09T3..	TS 4	TORX T15	0.15
SF5M 50-45°	470500550015	.75	1.99		CCMT 09T3..	TS 4	TORX T15	0.15

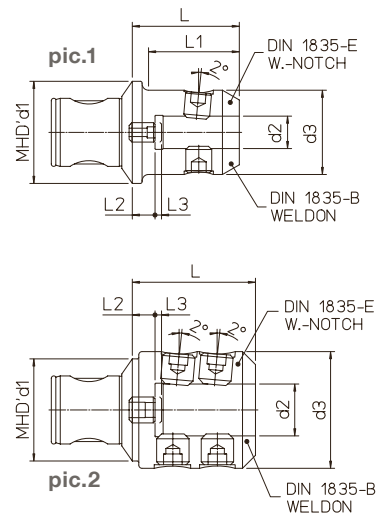
MHD' FORCE INCH ULTRA-TIGHT TOOLHOLDER FORCE



Supplied without collets and clamping wrenches

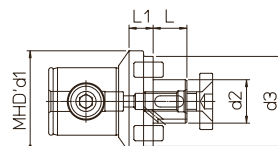
REF.	CODE	MHD' d1	d2	d3	L	L1	lb
FORCE 50 3/4 HS INCH	656305000195	50	3/4	1.89	2.36	2.36	2.2
FORCE 63 1-1/4 HS INCH	656306300315	63	1-1/4	2.60	3.15	3.15	4.41

AW INCH WELDON WHISTLE NOTCH CHUCKING TOOLS



REF.	CODE	MHD' d1	d2 ^{H5}	d3	L	L1	L2	L3	lb	pic.
AW 50-1/4 B-E INCH	655805060630	50	.250	.98	1.38	.93	.93	.28	1.1	1
AW 50-3/8 B-E INCH	655805060950	50	.375	1.38	2.05	1.65	.43	.12	1.54	1
AW 50-1/2 B-E INCH	655805061270	50	.500	1.65	2.24	1.89	.43	.12	1.76	1
AW 50-5/8 B-E INCH	655805061580	50	.625	1.89	2.63	2.40	.66	.16	2.43	1
AW 50-3/4 B-E INCH	655805061900	50	.750	1.97	2.63		.63	.16	2.65	1
AW 63-1/2 B-E INCH	655806361270	50	.500	1.65	2.24	1.89	.43	.12	3.09	1
AW 63-5/8 B-E INCH	655806361580	50	.625	1.89	2.52	2.09	.55	.16	3.09	1
AW 63-3/4 B-E INCH	655806361900	50	.750	1.97	2.60	2.20	.55	.16	3.31	1
AW 63-1 B-E INCH	655806362540	63	1.000	2.48	3.07		.59	.16	4.63	2
AW 63 1-1/4 B-E INCH	655806363170	63	1.250	2.76	3.07		.55	.16	5.29	2
AW 80 1-1/2 B-E INCH	655808063810	63	1.500	3.15	3.27		.43	.16	7.05	2
AW 80-2 B-E INCH	655808065080	63	2.00	3.74	3.94		.47	.16	10.14	2

PF INCH DISC AND FACING CUTTER HOLDERS

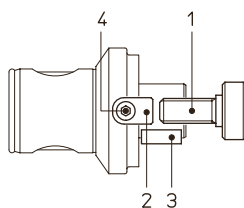


REF.	CODE	MHD' d1	d2	d3	L	L1	lb
PF 50-3/4 INCH	655905061900	40	.750	1.57	.68	.59	1.1
PF 50-1 INCH	655905062540	40	1.000	1.96	.68	.59	1.32
PF 63-3/4 INCH	655906361900	50	.750	1.57	.68	.65	1.98
PF 63-1 INCH	655906362540	50	1.000	2.36	.68	.59	2.2
PF 63 1-1/4 INCH	655906363170	50	1.25	2.75	.68	.75	2.87
PF 80 1-1/2 INCH	655908063810	50	1.500	3.46	.94	.94	4.85
PF 80-2 INCH	655908065080	63	2.00	2.85	.94	1.06	6.61



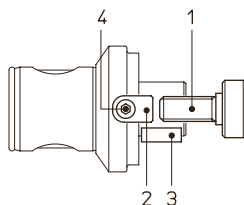
ACCESSORIES - SPARE PARTS MHD'

AW INCH DIN 1835 B-E



REF.	CODE 1	CODE 2
AW 50-1/4 B-E INCH	200100190801	200100190601
AW 50-3/8 B-E INCH	200100190802	200100190901
AW 50-1/2 B-E INCH	200100190802	200100191101
AW 50-5/8 B-E INCH	200100191102	200100191401
AW 50-3/4 B-E INCH	200100191102	200100191581
AW 63-1/2 B-E INCH	200100190802	200100191101
AW 63-5/8 B-E INCH	200100191102	200100191401
AW 63-3/4 B-E INCH	200100191582	200100191901
AW 63-1 B-E INCH	200100191582	200100191901
AW 63 1-1/4 B-E INCH	200100191582	200100191901
AW 80 1-1/2 B-E INCH	200100191902	200100191901
AW 80-2 B-E INCH	200100191902	200100192540

PF INCH



REF.	CODE 1	CODE 2	CODE 3	CODE 4
PF 50-3/4 INCH	201080295001	201101807901	201101803501	100051040010
PF 50-1 INCH	201080212001	201101809501	201101800601	100051050012
PF 63-3/4 INCH	201080295001	201101807901	201101803501	100051040010
PF 63-1 INCH	201080212001	201101809501	201101800601	100051050012
PF 63 1-1/4 INCH	201080216001	201101812401	201101800702	100051060014
PF 80 1-1/2 INCH	201080219001	201101815901	201101800903	100051060018
PF 80-2 INCH	201080225001	201101818701		100051060025

NOTE:

For other Accessories and Spares common with Standard Metric items and Technical Data please refer to General Catalogue at specific sections.

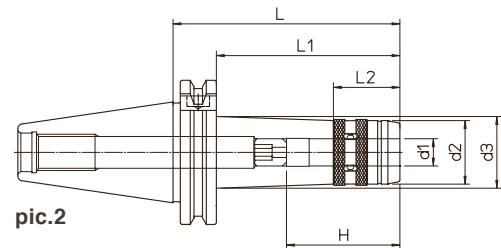
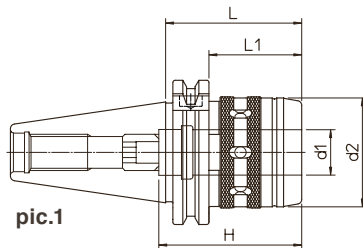
MONOforce

MONOforce represents the ideal and economical solution for the equipment of all machine tools, in particular where there is a need for precision and for clamping tools subjected to high torsional loads.



HIGH CLAMPING POWER CHUCKS

CAT INCH



Without clamping wrench - Chip prearrangement

CAT	REF.	CODE	d1	d2	d3	H	L	L1	L2	lb	pic.
40	CAT 40 UNC MF 1/2 2.50	71CAT-40-MF1306	1/2	1.10		1.85	2.50	1.25		1.32	1
40	CAT 40 UNC MF 1/2 4.00	71CAT-40-MF1310	1/2	1.10	1.21	1.85	4.00	2.75	1.16	2.65	2
40	CAT 40 UNC MF 3/4 3.00	71CAT-40-MF1907	3/4	1.89		2.48	3.00	2.25		2.43	1
40	CAT 40 UNC MF 3/4 5.00	71CAT-40-MF1912	3/4	1.89		2.48	5.00	4.25		3.75	2
40	CAT40 UNC MF 1-1/4 4.25	71CAT-40-MF3110	1-1/4	2.59		3.15	4.25			3.53	1
40	CAT40 UNC MF 1-1/4 5.50	71CAT-40-MF3114	1-1/4	2.59		3.15	5.50			5.51	2
50	CAT 50 UNC MF 3/4 3.00	71CAT-50-MF1907	3/4	1.89		2.48	3.00	1.56		5.07	1
50	CAT 50 UNC MF 3/4 6.00	71CAT-50-MF1915	3/4	1.89		2.48	6.00	4.56		6.39	2
50	CAT50 UNC MF 1-1/4 3.25	71CAT-50-MF3108	1-1/4	2.59		3.54	3.25	2.50		6.17	1
50	CAT50 UNC MF 1-1/4 6.50	71CAT-50-MF3116	1-1/4	2.59		3.54	6.50	5.75		4.41	2

KIT K01 INCH



MONOforce 1/2

1 RC 1/2.1/4
1 RC 1/2.5/16
1 RC 1/2.3/8
1 CHV 28

MONOforce 1-1/4

1 RC 3/4.1/4
1 RC 3/4.5/16
1 RC 3/4.3/8
1 RC 3/4.1/2
1 RC 3/4.5/8
1 CHV 50

MONOforce 3/4

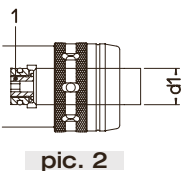
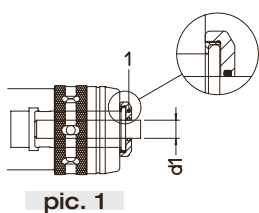
1 RC 1-1/4.3/8
1 RC 1-1/4.1/2
1 RC 1-1/4.5/8
1 RC 1-1/4.3/4
1 RC 1-1/4.1
1 CHV 75

CAT	REF.	CODE	lb
40	KIT K01 MF 1/2 2.50 CAT40	7KCAT-40-MF1306	3.30
40	KIT K01 MF 3/4 3.00 CAT40	7KCAT-40-MF1907	4.40
40	KIT K01 MF 1-1/4 4.25 CAT40	7KCAT-40-MF3110	9.70
50	KIT K01 MF 3/4 3.00 CAT50	7KCAT-50-MF1907	10.14
50	KIT K01 MF 1-1/4 3.25 CAT50	7KCAT-50-MF3108	13.66

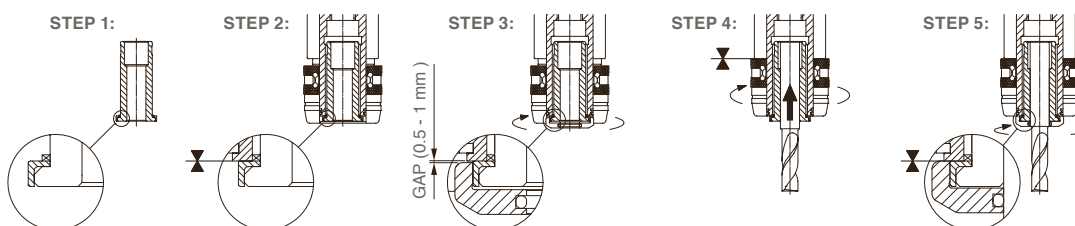


ACCESSORIES - SPARE PARTS MONOforce

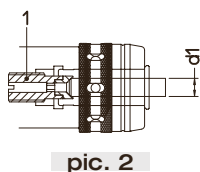
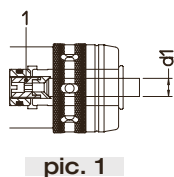
FORCE GH - VT INCH SEALING DEVICE FOR HIGH PRESSURE COOLANT SUPPLY



pic.	REF.	CODE 1	d1
1	GH 3/4 MONOforce 3/4 CAT 40-50 / MHD'50	382042019063	1/4
		382042019079	5/16
		382042019095	3/8
		382042019111	7/16
		382042019127	1/2
		382042019158	5/8
2	VT 3/4.3/4 MONOforce 3/4 CAT 40-50	382042019190	3/4
1	GH 1-1/4 MONOforce 1-1/4 CAT 40-50 / MHD'63	382042031095	3/8
		382042031127	1/2
		382042031158	5/8
		382042031190	3/4
		382042031254	1
2	VT 1-1/4.1-1/4 MONOforce 1-1/4 CAT 40-50	382042031317	1-1/4

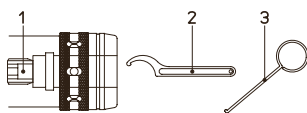


FORCE VCR INCH SETTING SCREW FOR INTERNAL COOLANT SUPPLY



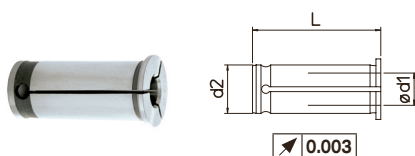
pic.	REF.	CODE 1	d1
1	VCR 3/4 MONOforce 3/4 MHD'50	382041019069	1/4 ~ 7/16
		382041019129	1/2 ~ 3/4
2	VCR 3/4 MONOforce 3/4 CAT 40-50	382041019063	1/4 ~ 7/16
		382041019127	1/2 ~ 3/4
1	VCR 1-1/4 MONOforce 1-1/4 MHD'63	382041031099	3/8 ~ 1/2
		382041031159	5/8 ~ 3/4
		382041031259	1 ~ 1-1/4
2	VCR 1-1/4 MONOforce 1-1/4 CAT 40-50	382041031095	3/8 ~ 1/2
		382041031158	5/8 ~ 3/4
		382041031254	1 ~ 1-1/4

FORCE INCH



REF	CODE 1	CODE 2	CODE 3
FORCE 1/2	200100190802	101500400028	201271600400
FORCE 3/4	200100191582	101500400050	201271600400
FORCE 1-1/4	200100191582	101500400075	201271600400

RC INCH BUSHES ULTRA-TIGHT SPINDLE



FORCE (d2)	REF.	CODE	d1	L	FORCE (d2)	REF.	CODE	d1	L
3/4	RC 3/4.1/4	497080019063	1/4	1.97	1-1/4	RC 1-1/4.1/4	497080031063	1/4	2.48
3/4	RC 3/4.5/16	497080019079	5/16	1.97	1-1/4	RC 1-1/4.3/8	497080031095	3/8	2.48
3/4	RC 3/4.3/8	497080019095	3/8	1.97	1-1/4	RC 1-1/4.1/2	497080031127	1/2	2.48
3/4	RC 3/4.7/16	497080019111	7/16	1.97	1-1/4	RC 1-1/4.5/8	497080031158	5/8	2.48
3/4	RC 3/4.1/2	497080019127	1/2	1.97	1-1/4	RC 1-1/4.3/4	497080031190	3/4	2.48
3/4	RC 3/4.5/8	497080019158	5/8	1.97	1-1/4	RC 1-1/4.1	497080031254	1	2.48
1/2	RC 1/2.3/16	497080013047	3/16	1.73					
1/2	RC 1/2.1/4	497080013063	1/4	1.73					
1/2	RC 1/2.5/16	497080013079	5/16	1.73					
1/2	RC 1/2.3/8	497080013095	3/8	1.73					

03/22

Cod. 181041001096

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