PTC
ΓΙΑΝΝΑΚΟΥΔΑΚΗ

ΚΑΤΑΛΟΓΟΣ ΠΡΟΪΟΝΤΩΝ

Μετάδοσης Κίνησης / *Power Transmission Products*



POWER TRANSMISSION CENTER

POWER TRANSMISSION & CONVEYOR SOLUTIONS

10ο χλμ. Ε.Ο. Θεσσαλονίκης-Καβάλας
57200 Δερβένι Θεσσαλονίκης
+30 2394 121 047
info@powertc.gr

EQUIPMENT YOU CAN TRUST

Από το 1978, με σταθερή παρουσία στον χώρο της μετάδοσης κίνησης και της μεταφοράς προϊόντων.



Από την εμπειρία, στην καινοτομία.

Αγαπητοί συνεργάτες,
Όταν δημιουργήσαμε την Power Transmission Center, είχαμε έναν ξεκάθαρο στόχο: να προσφέρουμε στη βιομηχανία αξιόπιστο εξοπλισμό μετάδοσης κίνησης και ολοκληρωμένες λύσεις για τις ανάγκες της παραγωγής.
Η καθημερινή μας επαφή με τη βιομηχανία, τους μηχανικούς και τις πραγματικές απαιτήσεις των παραγωγικών γραμμών αποτελεί μέχρι σήμερα τη βάση της δουλειάς μας. Η εμπειρία μας δεν περιορίζεται στην επιλογή και διάθεση εξοπλισμού, μας οδηγεί συνεχώς στο να κατανοούμε καλύτερα τα προβλήματα, να αναζητούμε νέες λύσεις και να σχεδιάζουμε προϊόντα που μπορούν να ανταποκριθούν σε πραγματικές συνθήκες λειτουργίας.
Αυτή ακριβώς η φιλοσοφία βρίσκεται πίσω από τις **PTCbelt.**
Οι αρθρωτές μεταφορικές ταινίες και τα εξαρτήματά τους σχεδιάζονται με γνώμονα τη λειτουργικότητα, την αντοχή, την εύκολη συντήρηση και την αξιοπιστία, αξιοποιώντας την τεχνογνωσία μας στις βιομηχανικές εφαρμογές.
Σήμερα, η Power Transmission Center συνεχίζει να συνδυάζει την τεχνογνωσία στον εξοπλισμό μετάδοσης κίνησης, τη σχεδίαση, την ανάπτυξη και παραγωγή των **PTCbelt** και τη βαθιά γνώση των αναγκών της σύγχρονης βιομηχανίας.
Και αυτό είναι που θέλουμε να συνεχίσουμε να κάνουμε:
Να ακούμε τις ανάγκες της παραγωγής, να σχεδιάζουμε λύσεις και να τις κάνουμε πράξη.

Σας ευχαριστούμε για την εμπιστοσύνη και τη συνεργασία.
Άγγελος Γιαννακουδάκης
Μαρίζα Γιαννακουδάκη
Χρυσή Γιαννακουδάκη
Ιδρυτές – Power Transmission Center

PTC
ΓΙΑΝΝΑΚΟΥΔΑΚΗ

Προϊόντα Μετάδοσης Κίνησης

Power Transmission

-Equipment you can trust

Η PTC ως κέντρο εξοπλισμού μετάδοσης κίνησης,

δίνει λύση σε κάθε απαίτηση της σύγχρονης βιομηχανίας, διαθέτοντας μεγάλα στοκ σε προϊόντα όπως ηλεκτροκινητήρες, μειωτήρες, μοτέρ πόρτας, δονητικά μοτέρ, tubular motors, κουζινέτα, ρουλεμάν, καδένες, γρανάζια, τροχαλίες, Couplings, εξαρτήματα στήριξης, μηχανήματα κοπής και τρόχισης.

Συμπληρώνοντας τον τομέα της μετάδοσης κίνησης, η PTC, περνάει πλέον και στην κατασκευή και συναρμολόγηση αρθρωτών μεταφορικών ταινιών. Επενδύοντας στον καινοτόμο σχεδιασμό νέων προϊόντων και ακολουθώντας τις πιο σύγχρονες μεθόδους παραγωγής, οι νέες Ελληνικές μεταφορικές ταινίες PTCbelt αποτελούν την πιο

σύγχρονη, έξυπνη και οικονομική λύση.

Περιεχόμενα/ Contents



Ηλεκτροκινητήρες/ Electric Motors 08
AC μοτέρ μονοφασικά και τριφασικά / AC single and three phase motors
Μοτέρ Πόρτας/Sliding Door Motor
DC μοτέρ 12V & 24V/ DC motors 12V & 24V
Ανοξείδωτα Μοτέρ / Stainless Steel Motors



Μειωτήρες/ Reducers-Gear Boxes 36
Γωνιακοί μειωτήρες Αλουμινίου - Cast Iron/ Gear Boxes
Ευθύγραμμοι μειωτήρες Cast Iron/ Reducers Cast Iron
Ανοξείδωτοι Γωνιακοί Μειωτήρες / Stainless Steel Gear Boxes
Micro Ηλεκτρομειωτήρες/Micro Gear Motors
Προμειωτές, Αυξομειωτές/ Prestages Variators
Βαρέως Τύπου Μειωτήρες/Heavy Duty Gearboxes



Αντλίες/ Pumps 48
Ανοξείδωτες Μονοφασικές Αντλίες / Stainless Steel Single Phase Jet Pumps



Δονητικά Μοτέρ/ Vibration Motors 52
Τριφασικά Δονητικά Μοτέρ/3 Phase Vibration Motors



Ηλεκτρονικοί Αυξομειωτές Στροφών/ Frequency Inverters 56



Μεταλλικά Εξαρτήματα/ Components 60
Κουζινέτα/ Bearing Units
Ρουλεμάν/ Bearings
Καδένες/ Chains
Γρανάζια/ Sprockets
Τροχαλίες/ Pulleys
Σύνδεσμοι Αξόνων/Couplings



Παράρτημα/ Appendix 104
Συνδυασμοί Μοτέρ με Μειωτήρες / Motor & Gearbox Pairing

01

Ηλεκτροκινητήρες
Electric Motors

TransMotori

Μονοφασικά Μοτέρ Μονού και Διπλού Πυκνωτή/ Single Phase motors

Τριφασικά Μοτέρ Αλουμινίου ή Cast Iron με φρένο και χωρίς/ Three Phase motors

Ανοξείδωτα Μοτέρ / Stainless Steel Motors

DC Motors 12V & 24V

Μοτέρ Πόρτας / Sliding Door Motor



Τεχνικές Προδιαγραφές

Technical Data

ΜΟΝΟΥ ΠΥΚΝΩΤΗ TMMY/ RUNNING CAPACITOR TMMY

B3



B5



B14

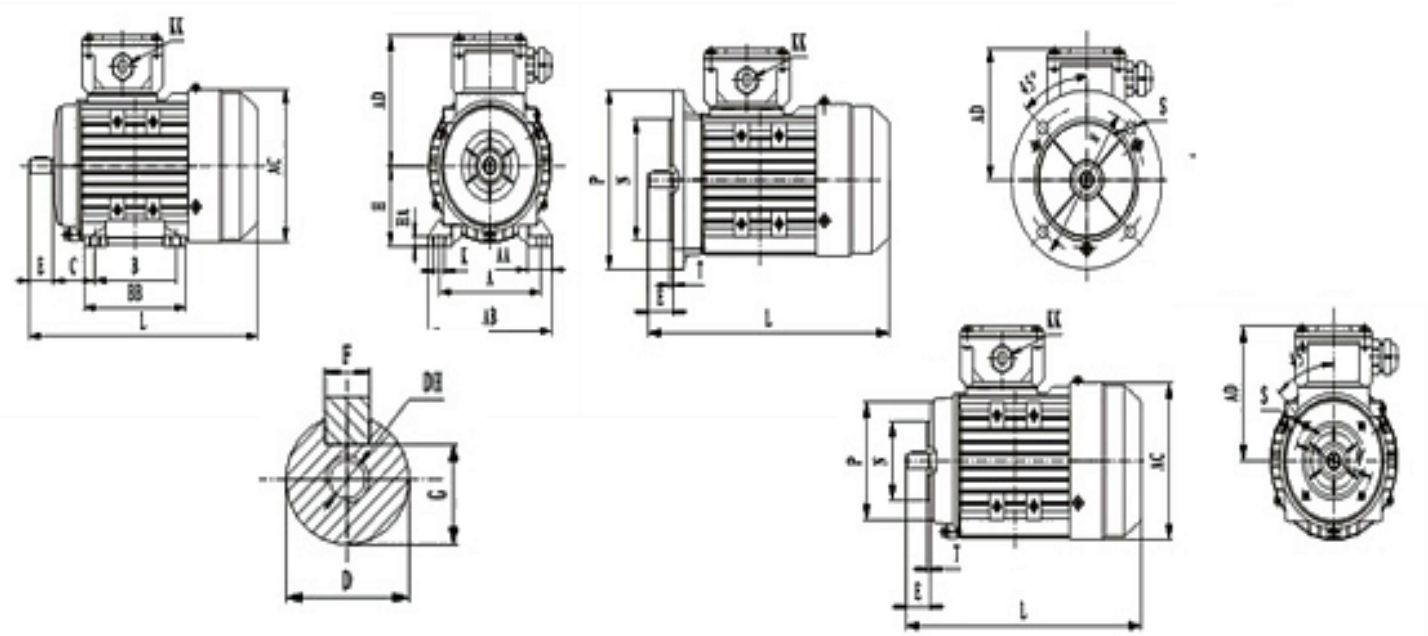


Running Capacitor
Body: Aluminum
Rated voltage: 220V-230V
Number of poles: 2-4 pole

Rated frequency: 50Hz
Insulation class: Class F
Protection class: IP54

TYPE	Power		Amps	Volt-age	Fre-quen-cy	Speed	Eff.	P.F	Direct on line starting torque ratio	Direct on line pull out torque ratio	Locked rotor torque	Noise LwdB(A)	Weight
	kW	Hp	A	V	Hz	rpm	(%)	Cosφ	LRT/RLT	BDT/RLT	LRA	LodB(A)	Kg
TMMY63M1-2	0.18	0.25	1.37	220	50	2790	65	0.92	0.4	1.7	5	70	4
TMMY63M2-2	0.25	0.33	1.87	220	50	2790	66	0.92	0.4	1.7	7	70	4.5
TMMY71M1-2	0.37	0.5	2.73	220	50	2800	67	0.92	0.35	1.7	10	75	10
TMMY71M2-2	0.55	0.75	3.88	220	50	2800	70	0.92	0.35	1.7	15	75	11
TMMY80M1-2	0.75	1.0	5.15	220	50	2800	72	0.92	0.33	1.7	20	75	14
TMMY80M2-2	1.1	1.5	7.02	220	50	2800	75	0.95	0.33	1.7	30	78	15
TMMY90S-2	1.5	2.0	9.44	220	50	2800	76	0.95	0.3	1.7	45	83	22
TMMY90L-2	2.2	3.0	13.67	220	50	2800	77	0.95	0.3	1.7	65	83	24
TMMY63M1-4	0.12	0.18	1.06	220	50	1390	57	0.9	0.4	1.7	3.5	65	4
TMMY63M2-4	0.18	0.25	1.54	220	50	1390	59	0.9	0.35	1.7	5	65	4.5
TMMY71M1-4	0.25	0.33	2.02	220	50	1400	61	0.92	0.35	1.7	7	65	5,6
TMMY71M2-4	0.37	0.5	2.95	220	50	1400	62	0.92	0.35	1.7	10	70	10
TMMY80M1-4	0.55	0.75	4.25	220	50	1400	64	0.92	0.35	1.7	15	70	13
TMMY80M2-4	0.75	1.0	5.45	220	50	1400	68	0.92	0.32	1.7	20	70	14
TMMY90S-4	1.1	1.5	7.41	220	50	1400	71	0.95	0.32	1.7	30	73	21
TMMY90L-4	1.5	2.0	9.83	220	50	1400	73	0.95	0.3	1.7	45	78	23

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047



Size	Dimensions mm																
	Poles	A	AA	B	C	D	E	F	G	H	K	KK	AB	BB	AC	AD	L
63	2-4	100	24	80	40	11	23	4	8.5	63	7	1-M20X1.5	135	100	130	111	217
71	2-4	80	26	80	45	14	30	5	11	71	7	1-M20X1.5	150	110	145	118	247
80	2-4	125	35	100	50	19	40	6	15.5	80	10	1-M25X1.5	165	125	175	134	287
90S	2-4	140	37	100	56	24	50	8	20	90	10	1-M25X1.5	180	150	195	140	315
90L	2-4	140	37	125	56	24	50	8	20	90	10	1-M25X1.5	180	150	195	140	340

B5					B14				
P	N	M	S	T	P	N	M	S	T
140	95	115	10	3	120	80	100	M6	2.5
160	110	130	10	3.5	140	95	115	M8	3.0
200	130	165	12	3.5	160	110	130	M8	3.5
200	130	165	12	3.5	160	110	130	M8	3.5
200	130	165	12	3.5	160	110	130	M8	3.5

BEARING RULES

Frame size	Poles	Drive End	Non-Drive End
63	2-4	6201-2RZ	6201-2RZ
71	2-4	6202-2RZ	6202-2RZ
80	2-4	6204-2RZ	6204-2RZ
90	2-4	6205-2RZ	6205-2RZ

Μονοφασικοί Ηλεκτροκινητήρες

SINGLE PHASE MOTORS

ΔΙΠΛΟΥ ΠΥΚΝΩΤΗ TMML/ START RUNNING CAPACITOR TMML

B3



B5



B14

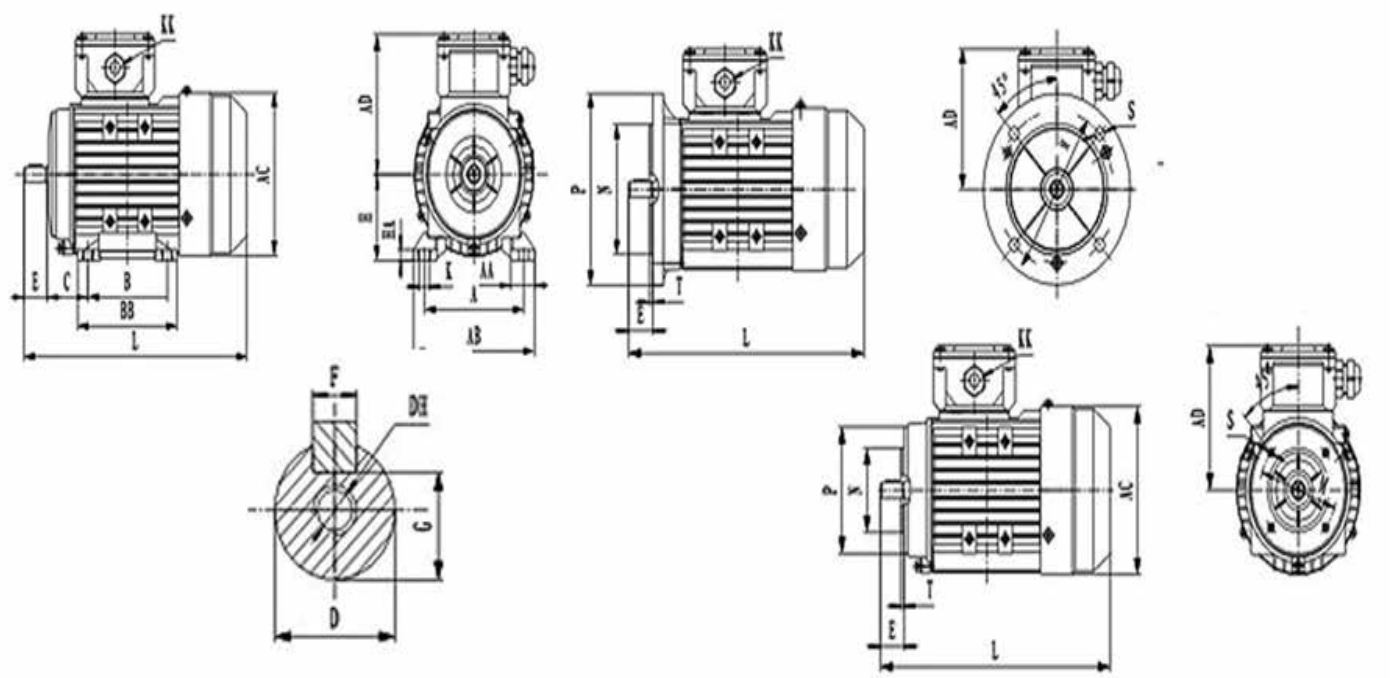


Start-Running Capacitor
Body: Aluminum
Rated voltage: 220V-230V
Number of poles: 2-4 pole

Rated frequency: 50Hz
Insulation class: Class F
Protection class: IP54

TYPE	Power		Amps	Volt-age	Fre-quen-cy	Speed	Eff.	P.F	Direct on line staring torque ratio	Direct on line pull out torque ratio	Direct on line start-ing current ratio	Noise	Start Ca-pacitor	Running Capacitor	Weight
	kW	Hp	A	V	Hz	rpm	(%)	Cosφ	LRT/RLT	BDT/RLT	LRA	LodB(A)	(μf/v)	(μf/v)	(Kg)
TMML711-2	0.37	0.5	2.7	220	67	2800	67	0.92	1.8	1.6	5.4	72	50/250	50/250	10
TMML712-2	0.55	0.75	3.9	220	70	2800	70	0.92	1.8	1.6	5.5	72	100/250	100/250	11
TMML801-2	0.75	1	4.9	220	73	2800	73	0.95	1.8	1.6	5.5	75	100/250	100/250	14
TMML802-2	1.1	1.5	7	220	75	2800	75	0.95	1.8	1.6	5.5	75	100/250	100/250	15
TMML90L1-2	1.5	2	9.4	220	76	2800	76	0.95	1.8	1.6	5.5	78	200/250	200/250	22
TMML90L2-2	2.2	3	13.7	220	77	2800	77	0.95	1.7	1.6	5.5	78	300/250	300/250	24
TMML100L-2	3	4	18.2	220	79	2800	79	0.95	1.7	1.6	6.0	83	350/250	350/250	24
TMML711-4	0.25	0.33	2	220	62	1400	62	0.92	1.7	1.6	5.0	67	50/250	75/250	9
TMML712-4	0.37	0.5	2.8	220	65	1400	65	0.92	1.7	1.6	5.0	67	100/250	75/250	10
TMML801-4	0.55	0.75	3.95	220	69	1400	69	0.92	1.7	1.6	5.0	70	100/250	100/250	13
TMML802-4	0.75	1	5.05	220	71	1400	71	0.95	1.7	1.6	5.0	70	100/250	100/250	14
TMML90L1-4	1.1	1.5	7.3	220	72	1400	72	0.95	1.7	1.6	5.0	73	200/250	30/450	21
TMML90L2-4	1.5	2	9.7	220	74	1400	74	0.95	1.7	1.6	5.0	73	300/250	40/450	23
TMML100L1-4	2.2	3	13.9	220	76	1400	76	0.95	1.7	1.6	5.0	78	350/250	50/450	32
TMML100L2-4	3	4	18.4	220	78	1400	78	0.95	1.7	1.6	5.0	78	350/250	55/450	33

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047



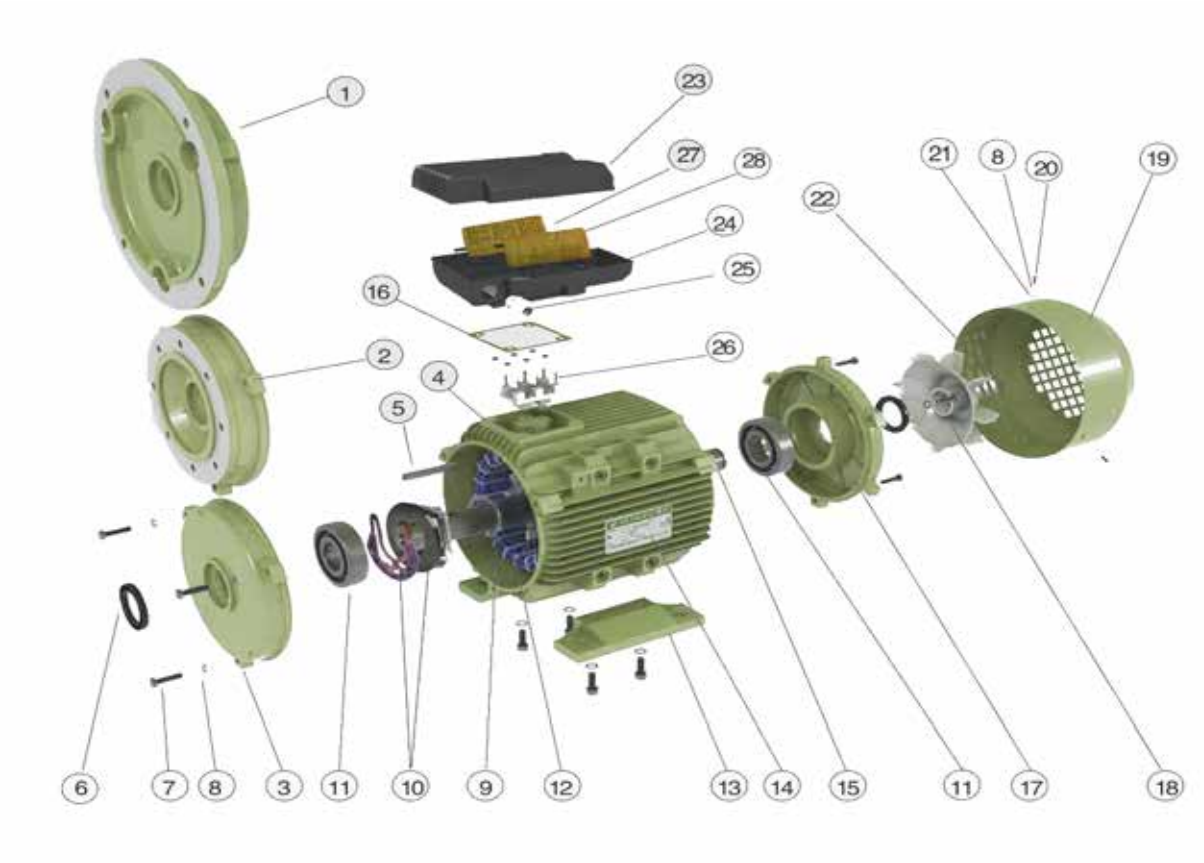
Size	Dimensions mm																
	Poles	A	AA	B	C	D	E	F	G	H	K	KK	AB	BB	AC	AD	L
71	2-4	80	26	80	45	14	30	5	11	71	7	1-M20X1.5	150	110	145	247	160
80	2-4	125	35	100	50	19	40	6	15.5	80	10	1-M25X1.5	165	125	175	287	200
90L	2-4	140	37	125	56	24	50	8	20	90	10	1-M25X1.5	180	150	195	340	200
100L	2-4	160	40	140	63	28	60	8	24	100	12	1-M32X1.5	205	172	215	385	250

B5					B14				
P	N	M	S	T	P	N	M	S	T
130	10	3.5	140	95	140	95	115	M8	3.0
165	12	3.5	160	110	160	110	130	M8	3.5
165	12	3.5	160	110	160	110	130	M8	3.5
215	14.5	4.0	200	130	200	130	165	M10	3.5

BEARING RULES

Frame size	Poles	Drive End	Non-Drive End
71	2-4	6202-2RZ	6202-2RZ
80	2-4	6204-2RZ	6204-2RZ
90	2-4	6205-2RZ	6205-2RZ
100	2-8	6206-2RZ	6206-2RZ

ΑΝΤΑΛΛΑΚΤΙΚΑ/ SPARE PARTS



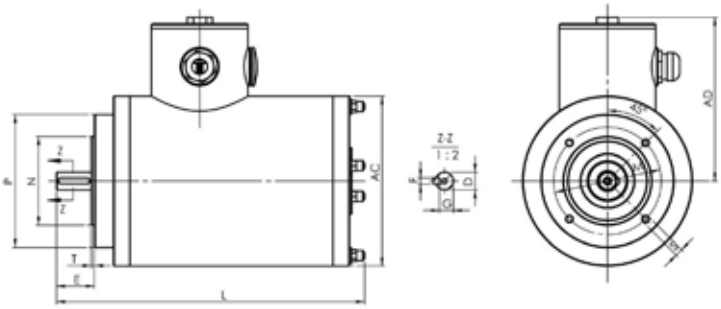
1 Flange **B5**
2 Flange **B14**
3 Flange **B3**
4 Cap
5 Electrical box support
6 Lock V-Ring
7 Bolts
8 Washer
9 Elastic adjustment washers
10 Centrifugal
11 Bearing
12 Stator
13 Foot
14 Label
15 Rotor Shaft
16 Seal
17 Back cover
18 Fan
19 Fan Cover
20 Screws
21 Collar
22 Fan clamp
23 Electrical box cover
24 Electrical box case
25 Cable belay
26 Terminal support
27 Running Capacitor
28 Start capacitor

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

Stainless Steel IE2 IP69K







Aqua-Tech

Body: Stainless Steel 304

Material of sealings: VITON

Rated frequency: 50 Hz

Speed: 1500 rpm

Number of poles: 4

Cooling: TENV (without fan)

Protection class: IP69K

FRAME	POLES	COOL-ING	POWER		MOUNT-ING	IP	D	L	E	F	G	M	N	P	R	S	T	FLANGE HOLE	SHAFT HOLE	AC	AD	FRONT BEAR-ING	REAR BEAR-ING
			KW	HP		mm																		
63	4	TENV	0.18	0.25	B14	IP69K	11	237	23	4	8,5	75	60	90	0	M5	2,5	4	M4	114	117	6202	6202
71	4	TENV	0.25	0.34	B14	IP69K	14	243	30	5	11	85	70	105	0	M6	2,5	4	M5	134	129	6203	6203
71	4	TENV	0.37	0.5	B14	IP69K	14	253	30	5	11	85	70	105	0	M6	2,5	4	M5	134	129	6203	6203
80	4	TENV	0.55	0.75	B14	IP69K	19	308	40	6	15,5	100	80	120	0	M6	3	4	M6	144	135	6204	6204
80	4	TENV	0.75	1	B14	IP69K	19	348	40	6	15,5	100	80	120	0	M6	3	4	M6	144	135	6204	6204

Standard Efficiency TML

B3



B5



B14



Standard Efficiency IE1
Body: Aluminum
Number of poles: 2-8 poles
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5, B14

TYPE	POWER		Full load current at rated voltage (A)			Full load speed in revolutions per minute	Frequency at constant power	Direct on line starting torque ratio	Direct on line pull out torque ratio	Direct online starting current ratio	Eff.	P.F	NOISE	WEIGHT
	Kw	HP	380V	400V	415V	rpm	Hz	LRT/RLT	BDT/RLT	LRA/RLA	%		LwdB(A)	kg
2 POLES														
TML561-2	0.09	0.12	0.29	0.27	0.26	2700	50	2.2	2.1	5.2	62	0.77	57	3.8
TML562-2	0.12	0.16	0.37	0.35	0.33	2700	50	2.2	2.1	5.2	64	0.78	57	4
TML63M1-2	0.18	0.25	0.53	0.5	0.49	2720	50	2.3	2.3	5.5	65	0.8	61	4.5
TML63M2-2	0.25	0.34	0.69	0.65	0.63	2720	50	2.3	2.3	5.5	68	0.81	61	4.7
TML71M1-2	0.37	0.5	1.01	0.96	0.92	2755	50	2.2	2.3	6.1	69	0.81	64	6
TML71M2-2	0.55	0.75	1.38	1.3	1.26	2790	50	2.3	2.3	6.1	74	0.82	64	6.3
TML80M1-2	0.75	1	1.77	1.67	1.6	2845	50	2.3	2.2	6.1	75	0.83	67	10
TML80M2-2	1.1	1.5	2.61	2.34	2.24	2835	50	2.3	2.2	6.9	76.2	0.84	67	11
TML90S-2	1.5	2	3.46	3.29	3.15	2850	50	2.3	2.2	7.0	78.5	0.84	72	13
TML90L-2	2.2	3	4.85	4.6	4.4	2855	50	2.3	2.2	7.0	81	0.85	72	14
TML100L-2	3	4	6.34	6.02	5.77	2860	50	2.3	2.2	7.5	82.6	0.87	76	24
TML112M-2	4	5.5	8.2	7.8	7.46	2880	50	2.3	2.2	7.5	84.2	0.88	77	28

TYPE	POWER		Full load current at rated voltage (A)			Full load speed in revolutions per minute	Frequency at constant power	Direct on line starting torque ratio	Direct on line pull out torque ratio	Direct online starting current ratio	Eff.	P.F	NOISE	WEIGHT
	Kw	HP	380V	400V	415V	rpm	Hz	LRT/RLT	BDT/RLT	LRA/RLA	%		LwdB(A)	kg
4 POLES														
TML562-4	0.09	0.12	0.33	0.31	0.3	1300	50	2.1	2.0	4.0	58	0.72	48	4
TML63M1-4	0.12	0.18	0.44	0.42	0.4	1310	50	2.2	2.1	4.4	57	0.72	52	4.5
TML63M2-4	0.18	0.25	0.62	0.59	0.56	1310	50	2.2	2.1	4.4	60	0.73	52	4.7
TML71M1-4	0.25	0.34	0.79	0.75	0.72	1340	50	2.2	2.1	5.2	65	0.74	55	6
TML71M2-4	0.37	0.5	1.12	1.1	1	1340	50	2.2	2.1	5.2	67	0.75	55	6.3
TML80M1-4	0.55	0.75	1.52	1.44	1.38	1390	50	2.3	2.4	5.2	71	0.75	58	10
TML80M2-4	0.75	1	1.95	1.85	1.77	1390	50	2.3	2.3	6.0	73	0.76	58	11
TML90S-4	1.1	1.5	2.85	2.7	2.6	1390	50	2.3	2.3	6.0	76.2	0.77	61	12
TML90L-4	1.5	2	3.72	3.53	3.39	1400	50	2.3	2.3	6.0	78.5	0.78	61	14
TML100L1-4	2.2	3	5.09	4.83	4.6	1420	50	2.3	2.3	7.0	81	0.81	64	23
TML100L2-4	3	4	6.78	6.4	6.17	1420	50	2.3	2.3	7.0	82.6	0.82	64	25
TML112M-4	4	5.5	8.8	8.36	8	1435	50	2.3	2.3	7.0	84.2	0.82	65	29
TML132S-4	5.5	7.5	11.7	11.12	10.65	1440	50	2.3	2.3	7.0	85.7	0.83	71	43
TML132M-4	7.5	10	15.6	14.8	14.2	1450	50	2.3	2.3	7.0	87	0.84	71	55
TML160M-4	11	15	22.3	21.2	20.3	1460	50	2.3	2.3	7.0	88	0.85	75	86
TML160L-4	15	20	30.1	28.6	27.4	1460	50	2.3	2.3	7.0	89	0.85	75	100
6 POLES														
TML71M2-6	0.25	0.34	0.95	0.9	0.86	870	50	2.0	1.9	4.0	59	0.68	52	6.3
TML80M1-6	0.37	0.5	1.23	1.17	1.12	880	50	2.0	1.9	4.7	62	0.7	54	10
TML80M2-6	0.55	0.75	1.7	1.6	1.55	880	50	2.1	1.9	4.7	65	0.72	54	11
TML90S-6	0.75	1	2.29	2.18	2.08	905	50	2.1	2.0	5.3	69	0.72	57	13
TML90L-6	1.1	1.5	3.18	3.02	2.9	905	50	2.1	2.0	5.5	72	0.73	57	14
TML100L-6	1.5	2	4	3.8	3.64	920	50	2.1	2.0	5.5	76	0.76	61	23
TML112M-6	2.2	3	5.6	5.32	5.1	935	50	2.1	2.0	6.5	79	0.76	65	28
TML132S-6	3	4	7.4	7.03	6.73	960	50	2.1	2.1	6.5	81	0.76	69	38
TML132M1-6	4	5.5	9.5	9.03	8.65	960	50	2.1	2.1	6.5	82	0.76	69	50
TML132M2-6	5.5	7.5	12.6	11.97	11.16	960	50	2.1	2.1	6.5	84	0.77	69	57
TML160M-6	7.5	10	16.9	16.1	15.6	970	50	2.1	2.0	6.5	86	0.78	73	82
TML160L-6	11	15	24.2	22.99	22.02	970	50	2.1	2.0	6.5	87.5	0.79	73	93

Standard Efficiency TML

B3



B5



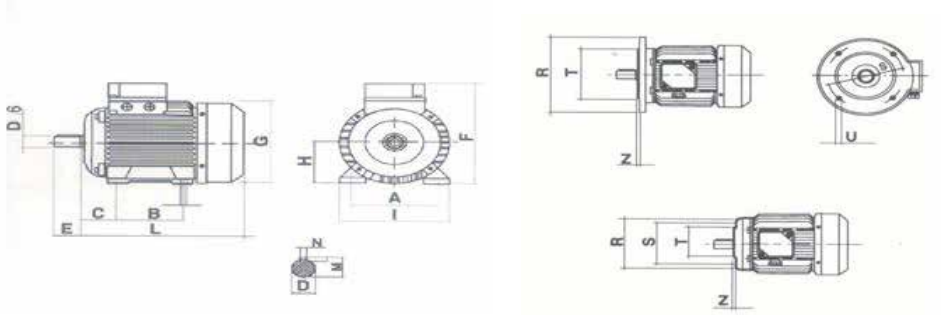
B14



Standard Efficiency IE1
Body: Aluminum
Number of poles: 2-8 poles
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5, B14

TYPE	POWER		Full load current at rated voltage (A)			Full load speed in revo-lu-tions per min-ute	Fre-quency at constant power	Direct on line starting torque ratio	Direct on line pull out torque ratio	Direct online starting current ratio	Eff.	P.F	NOISE LwdB(A)	WEIGHT
	Kw	HP	380V	400V	415V	rpm	Hz	LRT/RLT	BDT/RLT	LRA/RLA	%		LwdB(A)	kg
8 POLES														
TML80M2-8	0.25	0.34	1.1	1.05	1	645	50	1.9	1.8	3.3	54	0.61	52	11
TML90S-8	0.37	0.5	1.49	1.4	1.36	675	50	1.9	1.8	4.0	62	0.61	56	13
TML90L-8	0.55	0.75	2.17	2.06	2	680	50	2.0	1.8	4.0	63	0.61	56	15
TML100L1-8	0.75	1	2.43	2.3	2.2	680	50	2.0	1.8	4.0	70	0.67	59	23
TML100L2-8	1.1	1.5	3.36	3.2	3.06	680	50	2.0	1.8	5.0	72	0.69	59	25
TML112M-8	1.5	2	4.4	4.22	4.04	690	50	2.0	1.8	5.0	74	0.7	61	28
TML132S-8	2.2	3	6	5.7	5.46	710	50	2.0	1.8	6.0	79	0.71	64	40
TML132M-8	3	4	7.8	7.4	7.1	710	50	2.0	1.8	6.0	80	0.73	64	45
TML160M1-8	4	5.5	10.3	9.78	9.37	720	50	2.0	1.9	6.0	81	0.73	68	71
TML160M2-8	5.5	7.5	13.6	12.9	12.38	720	50	2.0	2.0	6.5	83	0.74	68	82.5



Type					B3		B5			B14			
	D	E	N	L	A	B	R	T	S	R	T	S	Kgr
	Dimensions in mm												
TML56	9	20	3	180	90	71	120	80	100	80	50	45	3,8
TML63	11	23	4	200	100	80	140	95	115	90	75	60	4,7
TML71	14	30	5	225	112	90	160	110	130	105	85	70	5,6
TML80	19	40	6	260	125	100	200	130	165	120	100	80	10
TML90S	24	50	8	280	140	100	200	130	165	140	115	95	12
TML90L	24	50	8	280	140	125	200	130	165	140	115	95	12
TML100L	28	60	8	315	160	140	250	180	215	160	130	110	24
TML112M	28	60	8	370	190	140	250	180	215	160	130	110	29
TML132S	38	80	10	435	216	140	300	230	265	200	165	130	45
TML132M	38	80	10	435	216	178	300	230	265	200	165	130	45
TML160M	42	110	12	540	254	210	350	250	300	250	180	215	92
TML160L	42	110	12	540	254	254	350	250	300	250	180	215	92

BEARING RULES

Frame size	Poles	Drive End	Non-Drive End
56	2-4	6201-2RZ	6201-2RZ
63	2-4	6201-2RZ	6201-2RZ
71	2-4	6202-2RZ	6202-2RZ
80	2-8	6204-2RZ	6204-2RZ
90	2-8	6205-2RZ	6205-2RZ
100	2-8	6206-2RZ	6206-2RZ
112	2-8	6306-2RZ	6206-2RZ
132	2-8	6308-2RZ	6208-2RZ
160	2-8	6309-2RZ	6209-2RZ

CONNECTION BOX

Basic Data EL Connection Box		
Frame Size	Max.F.Amps	Input Hole Size
H63~80	2.6	2×M20×15
H90-100	6.8	2×M25×1.5
H112-132	15.4	2×M35×1.5
H160	42.5	2×M40×1.5

Hi Efficiency IE2 TME2

B3



B5



B14



High Efficiency IE2
Body: Aluminum
Number of poles: 2-8 poles
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5, B14

TYPE	POWER		Full load speed in revolu-tions per minute	Full load current at rated volt-age	Direct on line start-ing torque ratio	Direct on line pull out torque ratio	Direct on-line start-ing current ratio	Eff.	P.F	NOISE LwdB(A)
	Kw	Hp	rpm	A	LRT/RLT	BDT/RLT	LRA/RLA	%	cosφ	
2 POLES										
TME2-80M1-2	0.75	1	2850	1.7	2.3	2.3	6.8	77.4	0.82	62
TME2-80M2-2	1.1	1.5	2870	2.4	2.3	2.3	7.1	79.6	0.83	62
TME2-90S-2	1.5	2	2880	3.2	2.3	2.3	7.3	81.3	0.84	67
TME2-90L-2	2.2	3	2880	4.5	2.3	2.3	7.6	83.2	0.85	67
TME2-100L1-2	3	4	2880	5.9	2.2	2.3	7.8	84.6	0.87	74
TME2-112M-2	4	5.5	2900	7.6	2.3	2.3	8.1	85.8	0.88	77
TME2-132S1-2	5.5	7.5	2910	10.4	2.2	2.3	8.2	87	0.88	79
TME2-132S2-2	7.5	10	2910	13.8	2.2	2.3	7.8	88.1	0.89	79
TME2-160M1-2	11	15	2940	20	2.2	2.3	7.9	89.4	0.89	81
TME2-160M2-2	15	20	2940	26.9	2.2	2.3	8	90.3	0.89	81
TME2-160L-2	18.5	25	2940	33	2.2	2.3	8	90.9	0.89	81

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

TYPE	POWER	Full load speed in revolutions per minute	Full load current at rated voltage	Direct on line start-ing torque ratio	Direct on line pull out torque ratio	Direct on-line start-ing current ratio	Eff.	P.F	NOISE LwdB(A)
	Kw	rpm	A	LRT/RLT	BDT/RLT	LRA/RLA	%	cosϕ	
4 POLES									
TME2-80M2-4	0.75	1420	1.8	2.3	2.3	6.4	79.6	0.76	56
TME2-90S-4	1.1	1420	2.6	2.3	2.3	6.6	81.4	0.77	59
TME2-90L-4	1.5	1420	3.5	2.3	2.3	6.7	82.8	0.78	59
TME2-100L1-4	2.2	1440	4.7	2.3	2.3	7.3	84.3	0.8	64
TME2-100L2-4	3	1440	6.2	2.3	2.3	7.5	85.5	0.81	64
TME2-112M-4	4	1445	8.1	2.3	2.3	7.5	86.6	0.81	65
TME2-132S-4	5.5	1450	11.1	2	2.3	7.5	87.7	0.82	71
TME2-132M-4	7.5	1450	14.7	2	2.3	7.3	88.7	0.83	71
TME2-160M-4	11	1470	21.3	2.2	2.3	7.4	89.8	0.83	73
TME2-160L-4	15	1470	28.4	2.2	2.3	7.5	90.6	0.84	73
IE2-180M-4	18.5	1470	34.4	2.2	2.3	7.6	91.2	0.85	76
IE2-180L-4	22	1470	40.8	2.2	2.3	7.7	91.6	0.85	76
TML132S-4	5.5	1440	50	2.3	2.3	7.0	85.7	0.83	71
TML132M-4	7.5	1450	50	2.3	2.3	7.0	87	0.84	71
TML160M-4	11	1460	50	2.3	2.3	7.0	88	0.85	75
TML160L-4	15	1460	50	2.3	2.3	7.0	89	0.85	75
6 POLES									
TME2-90S-6	0.75	930	2	2	2.1	5.8	75.9	0.71	57
TME2-90L-6	1.1	930	2.8	2	2.1	5.9	78.1	0.72	57
TME2-100L1-6	1.5	930	3.7	2	2.1	5.9	79.8	0.72	61
TME2-112M-6	2.2	945	5.4	2.1	2.1	6.2	81.8	0.72	65
TME2-132S-6	3	960	7.1	2	2.1	6.4	83.3	0.72	69
TME2-132M1-6	4	965	9.2	2	2.1	6.6	84.6	0.74	69
TME2-132M2-6	5.5	965	12.3	2	2.1	6.8	86	0.75	69
TME2-160M-6	7.5	970	15.9	2.1	2.1	6.8	87.2	0.78	73
TME2-160L-6	11	970	22.7	2.1	2.1	6.9	88.7	0.79	73

Hi Efficiency IE2 TME2

B3



B5



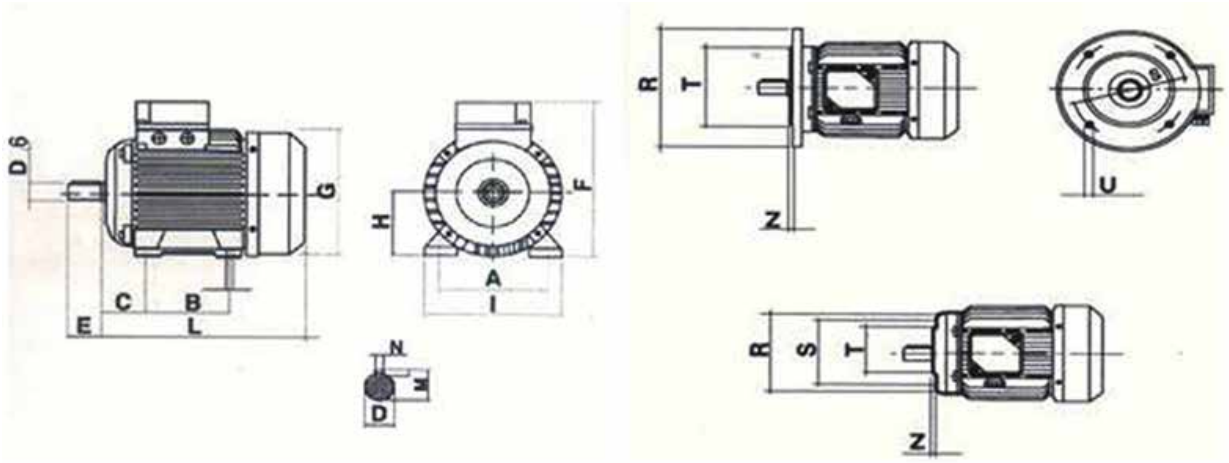
B14



High Efficiency IE2
Body: Aluminum
Number of poles: 2-8 poles
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5, B14

TYPE	POWER		Full load speed in revolu-tions per minute	Full load current at rated volt-age	Direct on line start-ing torque ratio	Direct on line pull out torque ratio	Direct on-line start-ing current ratio	Eff.	P.F	NOISE LwdB(A)
	Kw	Hp	rpm	A	LRT/RLT	BDT/RLT	LRA/RLA	%	cosϕ	
8 POLES										
TME2-90S-8	0.75	1	930	2	2	2.1	5.8	75.9	0.71	57
TME2-90L-8	1.1	1.5	930	2.8	2	2.1	5.9	78.1	0.72	57
TME2-100L1-8	1.5	2	930	3.7	2	2.1	5.9	79.8	0.72	61
TME2-112M-8	2.2	3	945	5.4	2.1	2.1	6.2	81.8	0.72	65
TME2-132S-8	3	4	960	7.1	2	2.1	6.4	83.3	0.72	69
TME2-132M1-8	4	5.5	965	9.2	2	2.1	6.6	84.6	0.74	69
TME2-132M2-8	5.5	7.5	965	12.3	2	2.1	6.8	86	0.75	69
TME2-160M-8	7.5	10	970	15.9	2.1	2.1	6.8	87.2	0.78	73
TME2-160L-8	11	15	970	22.7	2.1	2.1	6.9	88.7	0.79	73



Type					B3		B5			B14			
	D	E	N	L	A	B	R	T	S	R	T	S	Kgr
	Dimensions in mm												
TME2-80	19	40	6	260	125	100	200	130	165	120	100	80	10
TME2-90S	24	50	8	280	140	100	200	130	165	140	115	95	12
TME2-90L	24	50	8	280	140	125	200	130	165	140	115	95	12
TME2-100L	28	60	8	315	160	140	250	180	215	160	130	110	24
TME2-112M	28	60	8	370	190	140	250	180	215	160	130	110	29
TME2-132S	38	80	10	435	216	140	300	230	265	200	165	130	45
TME2-132M	38	80	10	435	216	178	300	230	265	200	165	130	45
TME2-160M	42	110	12	540	254	210	350	250	300	250	180	215	92
TME2-160L	42	110	12	540	254	254	350	250	300	250	180	215	92

BEARING RULES

Frame size	Poles	Drive End	Non-Drive End
80	2-8	6204-2RZ	6203-2RZ
90	2-8	6205-2RZ	6204-2RZ
100	2-8	6206-2RZ	6205-2RZ
112	2-8	6307-2RZ	6206-2RZ
132	2-8	6308-2RZ	6207-2RZ
160	2-8	6309-2RZC3	6209-2RZC3
180	2-8	6311-2RZ-C3	6211-2RZ-C3

CONNECTION BOX

Basic Data EL Connection Box		
Frame Size	Max.F.Amps	Input Hole Size
H80	2.6	2×M20×15
H90-100	6.8	2×M25×1.5
H112-132	15.4	2×M35×1.5
H160	42.5	2×M40×1.5
H180	42.5	2×M40×1.5

TMY Cast Iron

B3



B5



B14

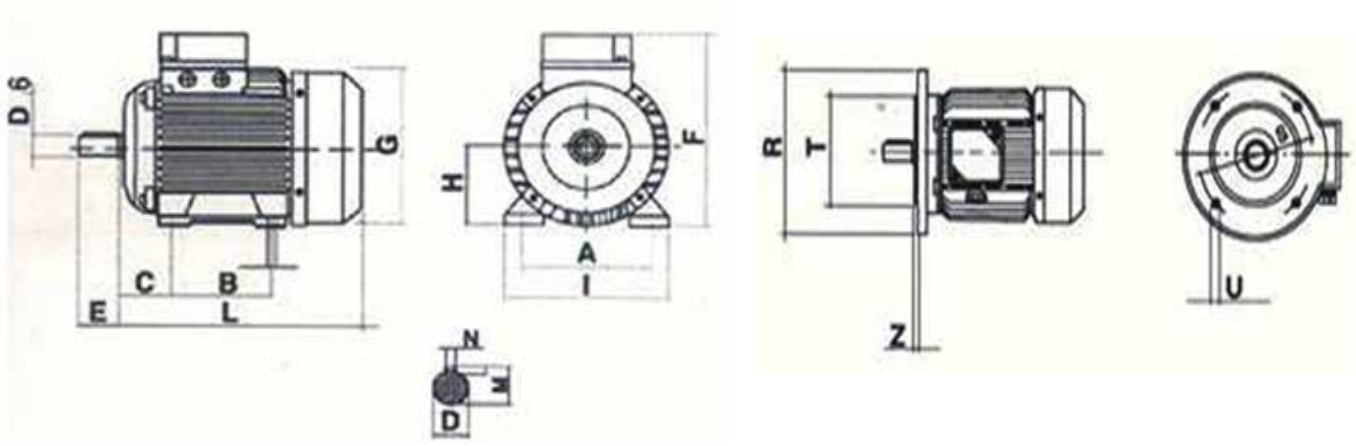


Standard Efficiency IE1
Body: Cast Iron
Number of poles: 2-8 poles
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5

TYPE	Full load current at rated voltage (A)			Power		Full load speed in revolutions per minute	Eff.	P.F.	Noise LwdB(A)	Weight	Rotor inertia WK2
	380V	400V	415V	kW	HP	rpm	%	CosΦ	LwdB(A)	kg	kgm2
TMY-180M-2	41	39	37.6	22	30	2940	90.5	0.9	89	156	0.075
TMY-200L1-2	55.4	52.6	50.7	30	40	2950	91.4	0.9	92	218	0.124
TMY-200L2-2	67.9	64.5	62.2	37	50	2950	92	0.9	92	230	0.139
TMY-225M-2	82.1	78	75.2	45	60	2960	92.5	0.9	92	290	0.233
TMY-180M-4	36.3	34.5	33.3	18.5	25	1470	90	0.86	76	150	0.139
TMY-180L-4	43.2	40.8	39.3	22	30	1470	90.5	0.86	76	166	0.158
TMY-200L-4	57.6	55.1	53.1	30	40	1470	91.4	0.86	79	228	0.262
TMY-225S-4	70.2	66.7	64.3	37	50	1475	92	0.87	81	268	0.406
TMY-180L-6	31.6	30	28.9	15	20	970	89	0.81	73	154	0.207
TMY-200L1-6	38.6	36.6	35.3	18.5	25	980	90	0.81	76	202	0.315
TMY-200L2-6	44.7	42.5	41	22	30	980	90	0.83	76	216	0.36
TMY-225M-6	59.3	56.3	54.3	30	40	980	91.5	0.84	76	287	0.547
TMY-180L-8	25.5	24.2	23.3	11	15	730	87.5	0.75	70	169	0.203
TMY-200L-8	34.1	32.4	31.2	15	20	730	88	0.76	73	236	0.339
TMY-225S-8	41.1	39	37.6	18.5	25	730	90	0.76	73	274	0.491
TMY-225M-8	48.9	45	43.4	22	30	730	90.5	0.78	73	290	0.547

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047



Type					B3		B5			
	D	E	N	L	A	B	R	T	S	Kgr
	Dimensions in mm									
TMY180M	48	110	14	730	279	241	350	250	300	164
TMY180L	48	110	14	730	279	279	350	250	300	164
TMY200L	55	110	16	765	318	305	400	300	350	244
TMY225	60	140	18	835	356	311	450	350	400	280
TMY250	65	140	18	915	406	349	550	450	500	388
TMY280	75	140	20	1040	457	419	550	450	500	510
TMY315	80	170	22	1215	508	406	660	550	600	900

BEARING RULES

Frame size	Poles	Drive End	Non-Drive End
180	2-8	6311-2RZ-C3	6211-2RZ-C3
200	2-8	6312-2RZ-C3	6212-2RZ-C3
225	2-8	6314-C3	6314-C3
250	2-8	6314-C3	6314-C3

CONNECTION BOX

Basic Data EL Connection Box		
Frame Size	Max.F.Amps	Input Hole Size
H180	41	2×M40×1.5
H200	68	2×M50×1.5
H225	82	2×M50×1.5

Τριφασικοί Ηλεκτροκινητήρες

THREE PHASE MOTORS

Με Φρένο TMJ

B3



B5



B14



Ηλεκτρομαγνητικό Φρένο
Body: Aluminum
Number of poles: 2-8 poles
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5, B14

TYPE	POWER		Full load current at rated voltage (A)			Full load speed in revolu-tions per minute	Static brak-ing torque not less than N.m	Exciter Voltage	No-load brake lag time	Eff.	P.F	NOISE LwdB(A)	Rotor inertia	WEIGHT
	Kw	HP	380V	400V	415V	rpm	Nm	V	s	%			10-3Kgm2	kg
2 POLES														
TMJ-80M1-2	0,75	1	1,77	1,74	1,68	2840	7,36	100	0,2	75	0,83	67	0,00075	18,7
TMJ-80M2-2	1,1	1,5	2,61	2,48	2,39	2840	7,36	100	0,2	76,2	0,84	67	0,0009	19,7
TMJ-90S-2	1,5	2	3,46	3,28	3,16	2850	14,7	100	0,2	78,5	0,84	72	0,0012	23,5
TMJ-90L-2	2,2	3	4,85	4,61	4,45	2855	14,7	100	0,2	81	0,85	72	0,0014	26,5
TMJ-100L-2	3	4	6,34	6,03	5,81	2860	29,4	100	0,2	82,6	0,87	76	0,0029	34,5
TMJ-112M-2	4	5,5	8,2	7,79	7,51	2880	39,2	170	0,25	84,2	0,88	77	0,0055	47,2
TMJ-132S1-2	5,5	7,5	11,1	10,53	10,15	2900	73,6	170	0,25	85,7	0,88	80	0,0109	67
TMJ-132S2-2	7,5	10	14,9	14,1	13,6	2900	73,6	170	0,25	87	0,88	80	0,0126	70
TMJ-160M1-2	11	15	21,2	20,2	19,5	2930	147,2	170	0,35	88,4	0,89	86	0,0377	114
TMJ-160M2-2	15	20	28,6	27,2	26,2	2930	147,2	170	0,35	89,4	0,89	86	0,0499	120
TMJ-160L-2	18,5	25	34,7	33	31,8	2930	147,2	170	0,35	90	0,9	86	0,055	149
TMJ-180M-2	22	30	41	39	37,6	2940	198,5	170	0,35	90,5	0,9	89	0,075	183
TMJ-200L1-2	30	40	55,4	52,6	50,7	2950	294,3	170	0,45	91,4	0,9	92	0,124	266
TMJ-200L2-2	37	50	67,9	64,5	62,2	2950	294,3	170	0,45	92	0,9	92	0,139	278
TMJ-225M-2	45	60	82,1	78	75,2	2960	441,5	170	0,45	92,5	0,9	92	0,233	345
TMJ-250M-2	55	75	100	94,8	91,4	2970	592,6	170	0,5	93	0,9	93	0,312	440

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

TYPE	POWER		Full load current at rated voltage (A)			Full load speed in revolu-tions per minute	Static braking torque not less than N.m	Exciter Volt-age	No-load brake lag time	Eff.	P.F	NOISE LwdB(A)	Rotor inertia	WEIGHT
	Kw	HP	380V	400V	415V	rpm	Nm	V	s	%			10-3Kgm2	kg
4 POLES														
TMJ-80M1-4	0,55	0,75	1,57	1,49	1,44	1390	7,36	100	0,2	71	0,75	58	0,0018	17,7
TMJ-80M2-4	0,75	1	2,05	1,95	1,88	1390	7,36	100	0,2	73	0,76	58	0,0021	18,2
TMJ-90S-4	1,1	1,5	2,85	2,71	2,61	1390	14,7	100	0,2	76,2	0,77	61	0,0023	22,5
TMJ-90L-4	1,5	2	3,72	3,54	3,41	1400	14,7	100	0,2	78,5	0,78	61	0,0027	26,5
TMJ-100L1-4	2,2	3	5,09	4,9	4,72	1420	29,4	100	0,2	81	0,81	64	0,0054	33,5
TMJ-100L2-4	3	4	6,78	6,39	6,16	1420	29,4	100	0,2	82,6	0,82	64	0,0067	35,5
TMJ-112M-4	4	5,5	8,8	8,36	8,06	1435	39,2	170	0,25	84,2	0,82	65	0,0095	48,2
TMJ-132S-4	5,5	7,5	11,7	11,2	10,8	1440	73,6	170	0,25	85,7	0,83	71	0,0214	61
TMJ-132M-4	7,5	10	15,6	14,8	14,3	1450	73,6	170	0,25	87	0,84	71	0,0296	73,5
TMJ-160M-4	11	15	22,5	21,4	20,6	1460	147,2	170	0,35	88,4	0,84	75	0,0747	116
TMJ-160L-4	15	20	30	28,5	27,5	1460	147,2	170	0,35	89,4	0,85	75	0,0918	145
TMJ-180M-4	18,5	25	36,3	34,5	33,3	1470	198,5	170	0,35	90	0,86	76	0,139	177
TMJ-180L-4	22	30	43,2	40,8	39,3	1470	198,5	170	0,35	90,5	0,86	76	0,158	193
TMJ-200L-4	30	40	57,6	55,1	53,1	1470	294,3	170	0,45	91,4	0,86	79	0,262	276
TMJ-225S-4	37	50	70,2	66,7	64,3	1475	441,5	170	0,45	92	0,87	81	0,406	323
TMJ-225M-4	45	60	84,9	80,7	77,8	1475	441,5	170	0,45	92,5	0,87	81	0,469	368
TMJ-250M-4	55	75	103	98,1	94,6	1480	592,6	170	0,5	93	0,87	83	0,66	447
6 POLES														
TMJ-80M1-6	0,37	0,5	1,3	1,23	1,19	880	7,36	100	0,2	62	0,7	54	0,0016	17,7
TMJ-80M2-6	0,55	0,75	1,8	1,7	1,64	880	7,36	100	0,2	65	0,72	54	0,0019	18,7
TMJ-90S-6	0,75	1	2,29	2,18	2,1	905	14,7	100	0,2	69	0,72	57	0,0029	23,5
TMJ-90L-6	1,1	1,5	3,18	3,02	2,91	905	14,7	100	0,2	72	0,73	57	0,0035	26,5
TMJ-100L-6	1,5	2	4	3,8	3,66	920	29,4	100	0,2	76	0,75	61	0,0069	33,5
TMJ-112M-6	2,2	3	5,6	5,29	5,1	935	39,2	100	0,25	79	0,76	65	0,014	47,2
TMJ-132S-6	3	4	7,4	7,03	6,78	960	73,6	100	0,25	81	0,76	69	0,0286	68
TMJ-132M1-6	4	5,5	9,75	9,26	8,93	960	73,6	170	0,25	82	0,76	69	0,0357	75
TMJ-132M2-6	5,5	7,5	12,9	12,3	11,8	960	73,6	170	0,25	84	0,77	69	0,0449	85,5
TMJ-160M-6	7,5	10	17,2	16,3	15,8	970	147,2	170	0,35	86	0,77	73	0,081	122
TMJ-160L-6	11	15	24,5	23,3	22,4	970	147,2	170	0,35	87,5	0,78	73	0,116	138
TMJ-180L-6	15	20	31,6	30	28,9	970	198,5	170	0,35	89	0,81	73	0,207	181
TMJ-200L1-6	18,5	25	38,6	36,6	35,3	980	294,3	170	0,45	90	0,81	76	0,315	250
TMJ-200L2-6	22	30	44,7	42,5	41	980	294,3	170	0,45	90	0,83	76	0,36	264
TMJ-225M-6	30	40	59,3	56,3	54,3	980	441,5	170	0,45	91,5	0,84	76	0,547	342
TMJ-250M-6	37	50	71	67,5	65,1	980	592,6	170	0,5	92	0,86	78	0,843	436

Τριφασικοί Ηλεκτροκινητήρες

THREE PHASE MOTORS

Με Φρένο TMJ

B3



B5



B14



Ηλεκτρομαγνητικό Φρένο
Body: Aluminum
Number of poles: 2-8 pole
Rated frequency: 50Hz

Insulation class: Class F
Protection class: IP55
Mounting Type: B3, B5, B14

TYPE	POWER		Full load current at rated voltage (A)			Full load speed in revolutions per minute	Static braking torque not less than N.m	Exciter Voltage	No-load brake lag time	Eff.	P.F	NOISE	Rotor inertia	Weight
	Kw	HP	380V	400V	415V	rpm	Nm	V	s	%		LwdB(A)	10-3Kgm2	kg
8 POLES														
TMJ-80M1-8	0,18	0,25	0,83	0,84	0,8	645	7,36	100	0,2	51	0,61	52	0,0025	15
TMJ-80M2-8	0,25	0,34	1,1	1,1	1,06	645	7,36	100	0,2	54	0,61	52	0,003	16
TMJ-90S-8	0,37	0,5	1,49	1,41	1,36	675	14,7	100	0,2	62	0,61	56	0,0051	20
TMJ-90L-8	0,55	0,75	2,17	2,07	1,99	680	14,7	100	0,2	63	0,61	56	0,0065	23
TMJ-100L1-8	0,75	1	2,43	2,31	2,22	680	29,4	100	0,2	70	0,67	59	0,009	29
TMJ-100L2-8	1,1	1,5	3,36	3,2	3,08	680	29,4	100	0,2	72	0,69	59	0,011	31
TMJ-112M-8	1,5	2	4,4	4,18	4,03	690	39,2	100	0,25	74	0,7	61	0,0245	41
TMJ-132S-8	2,2	3	6	5,66	5,46	710	73,6	100	0,25	79	0,71	64	0,0314	61
TMJ-132M-8	3	4	7,8	7,41	7,15	710	73,6	100	0,25	80	0,73	64	0,0395	74
TMJ-160M1-8	4	5,5	10,3	9,76	9,41	720	147,2	170	0,35	81	0,73	68	0,0753	95,5
TMJ-160M2-8	5,5	7,5	13,6	12,9	12,5	720	147,2	170	0,35	83	0,74	68	0,0931	107
TMJ-160L-8	7,5	10	17,8	16,9	16,3	720	147,2	170	0,35	85,5	0,75	68	0,126	128
TMJ-180L-8	11	15	25,5	24,2	23,3	730	198,5	170	0,35	87,5	0,75	70	0,203	169
TMJ-200L-8	15	20	34,1	32,4	31,2	730	294,3	170	0,45	88	0,76	73	0,339	236
TMJ-225S-8	18,5	25	41,1	39	37,6	730	441,5	170	0,45	90	0,76	73	0,491	274
TMJ-225M-8	22	30	48,9	45	43,4	730	441,5	170	0,45	90,5	0,78	73	0,547	290
TMJ-250M-8	30	40	63	60,2	58,1	735	592,6	170	0,5	91	0,79	75	0,834	370

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

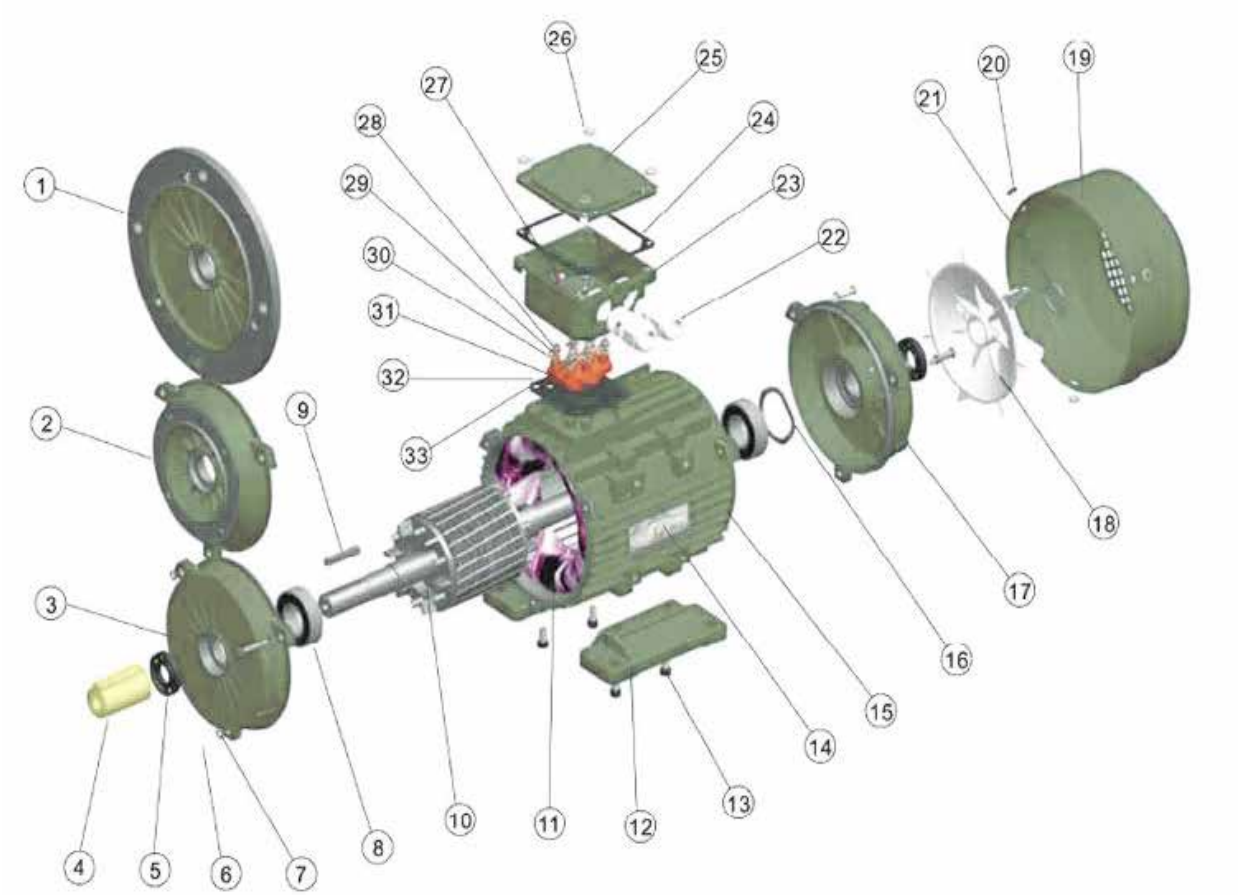
BEARING RULES

Frame size	Poles	Drive End	Non-Drive End
80	2-8	6204-2RZ	6203-2RZ
90	2-8	6205-2RZ	6204-2RZ
100	2-8	6206-2RZ	6205-2RZ
112	2-8	6307-2RZ	6206-2RZ
132	2-8	6308-2RZ	6207-2RZ
160	2-8	6309-2RZC3	6209-2RZC3
180	2-8	6311-2RZ-C3	6211-2RZ-C3
200	2-8	6312-2RZ-C3	6212-2RZ-C3
225	2-8	6314-C3	6314-C3
250	2-8	6314-C3	6314-C3

CONNECTION BOX

Basic Data EL Connection Box		
Frame Size	Max.F.Amps	Input Hole Size
H80	2.6	2×M20×15
H90-100	6.8	2×M25×1.5
H112-132	15.4	2×M35×1.5
H160	42.5	2×M40×1.5
H180	43.2	2×M40×1.5
H200	67.9	2×M50×1.5
H225	84.9	2×M50×1.5
H250	103	2×M63×1.5

ΑΝΤΑΛΛΑΚΤΙΚΑ/ SPARE PARTS



1. B5 Flange	13. Pedstal bolt	25. Terminal box lid
2. B14 Front endshield	14. Nameplate	26. Screw
3. Front endshield	15. Frame	27. Earth mark
4. Shaft cover	16. Wave form	28. Brass washer
5. Spring washer	17. Rear endshield	29. Deduction cap
6. V Ring Oil seal	18. Fan	30. Brass net
7. Bolt	19. Fan cowl	31. Terminal board
8. Bearing	20. Fan cowl Screw	32. Lrather washer
9. Key	21. Fanclamp	33. Brass lug
10. Roto	22. PG	
Stator	23. Terminal box base	
12. Pedstal	24. Gasket	

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΜΟΤΕΡ ΣΥΡΟΜΕΝΗΣ ΠΟΡΤΑΣ/SLIDING DOOR MOTOR





Δυνατότητα χειροκίνητου ανοίγματος με κλειδί απελευθέρωσης / Manual opening with release key
Προστασία κατά της σύνθλιψης μέσω ηλεκτρονικής διάταξης /Anti-crushing protection by electronic control
Ομαλή εκκίνηση και ομαλή παύση λειτουργίας / Soft start and soft stop

Model	ZT220E	ZT350A	ZT350B	ZT3000
Output Torque (Nm)	22	28	32	170
Power (Kw)	0,30	0,37	0,55	1
Max Weight	800	1200	1500	3000
Power Supply	220V	220V	220V	220V
Limit Switch	Magnetic	Magnetic	Magnetic	Spring
Gate Speed (m/min)	12	12	12	11
Protection class	IP44	IP44	IP44	IP44

Remote Controls



Photocell Sensors (Optional)



Alarm Lamp (Optional)

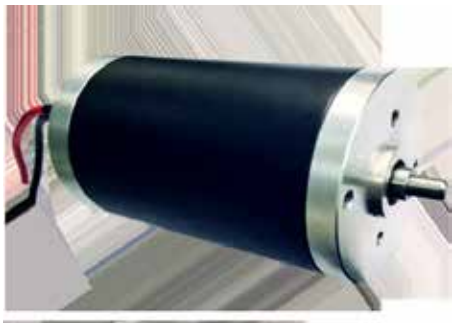


Gear Rack



DC Μοτέρ

12V & 24V BRUSED

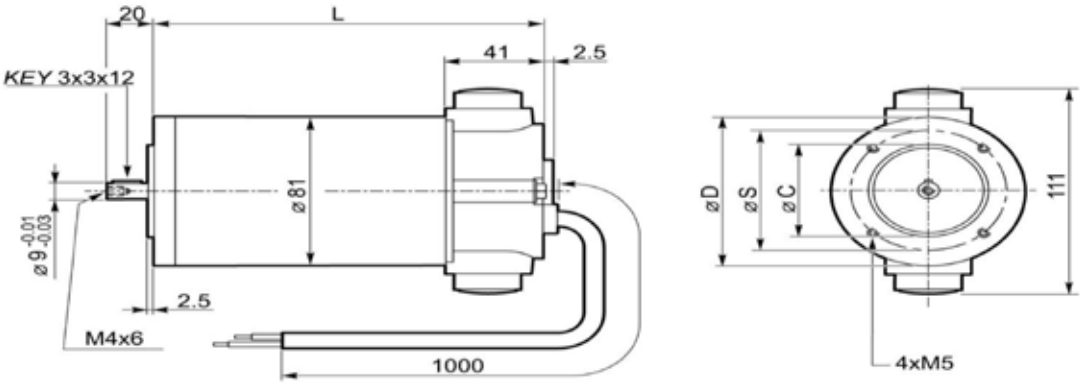


Construction: Tubular, without fan
Brusshes: 2 brushes made of graphite
Bearings: Ball bearings
Power supply: Low voltage, 12 or 24 V DC
Insulation class: B

TYPE	S	Power	Voltage	Amps	Torque	Input Speed	Weight
		W	V	A	Nm	rpm	Kg
DC100.120	S1	100	12	12	0.31	3000	2.7
	S2 25′	140		16.8	0.43		
DC180.120	S1	180	12	21.5	0.57	3000	3.4
	S2 25'	250		30	0.8		
DC350.120	S1	350	12	42	1.12	3000	5.1
	S2 30'	500		58.8	1.57		
DC180.240	S1	180	24	10.8	0.57	3000	3.4
	S2 25'	250		15	0.8		
DC250.240	S1	250	24	15	0.8	3000	4.15
	S2 25'	350		20.5	1.12		
DC350.240	S1	350	24	21	1.12	3000	5.3
	S2 30'	500		29.4	1.57		
DC600.240	S1	600	24	35.5	1.91	3000	7.1
	S2 30'	750		47.2	2.54		

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

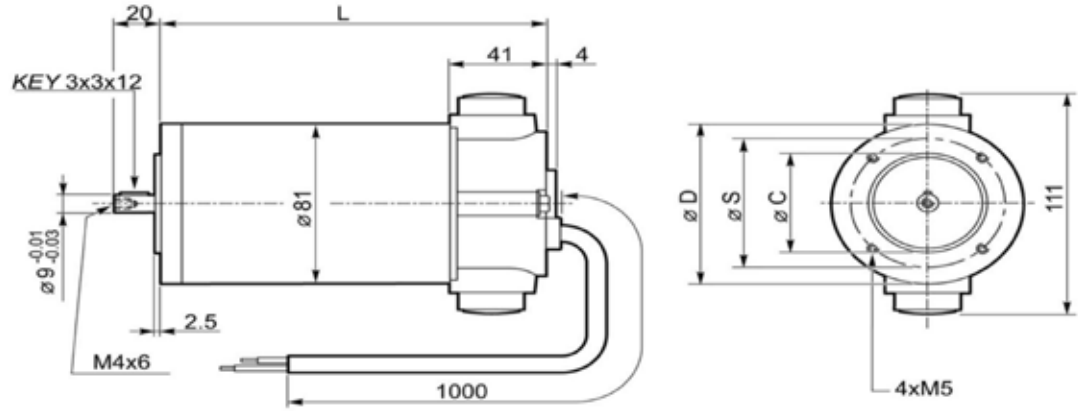
DC 100



	56B14	63B14*
L	153	155
D	80	90
S	65	75
C (-0,03/ -0,01)	50	60

** Use sleeve 9/11*

DC180

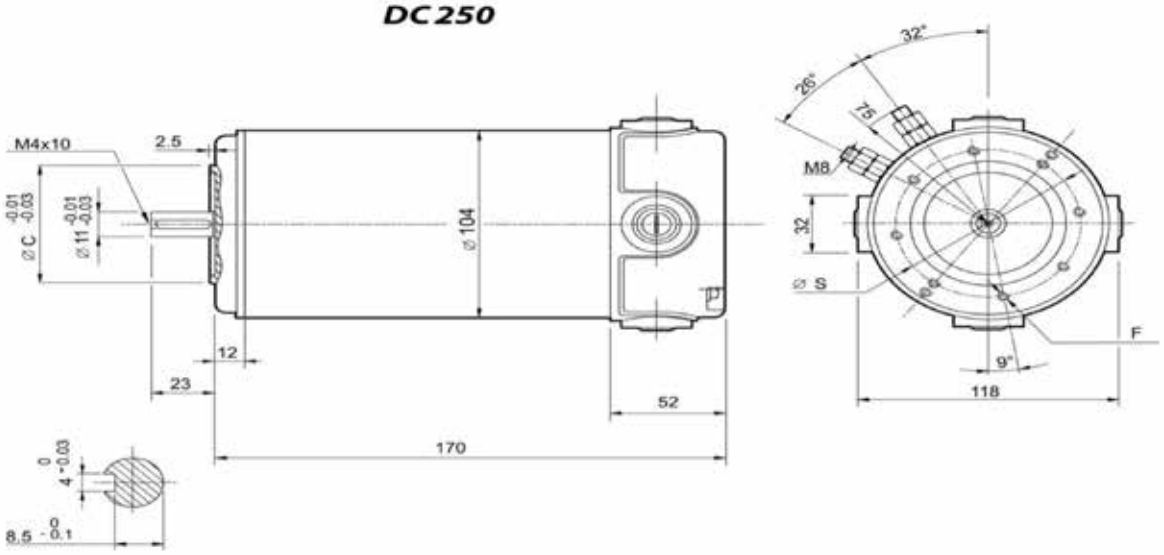


	56B14	63B14*
L	185	187
D	80	90
S	65	75
C (-0,03/ -0,01)	50	60

** Use sleeve 9/11*

DC Μοτέρ

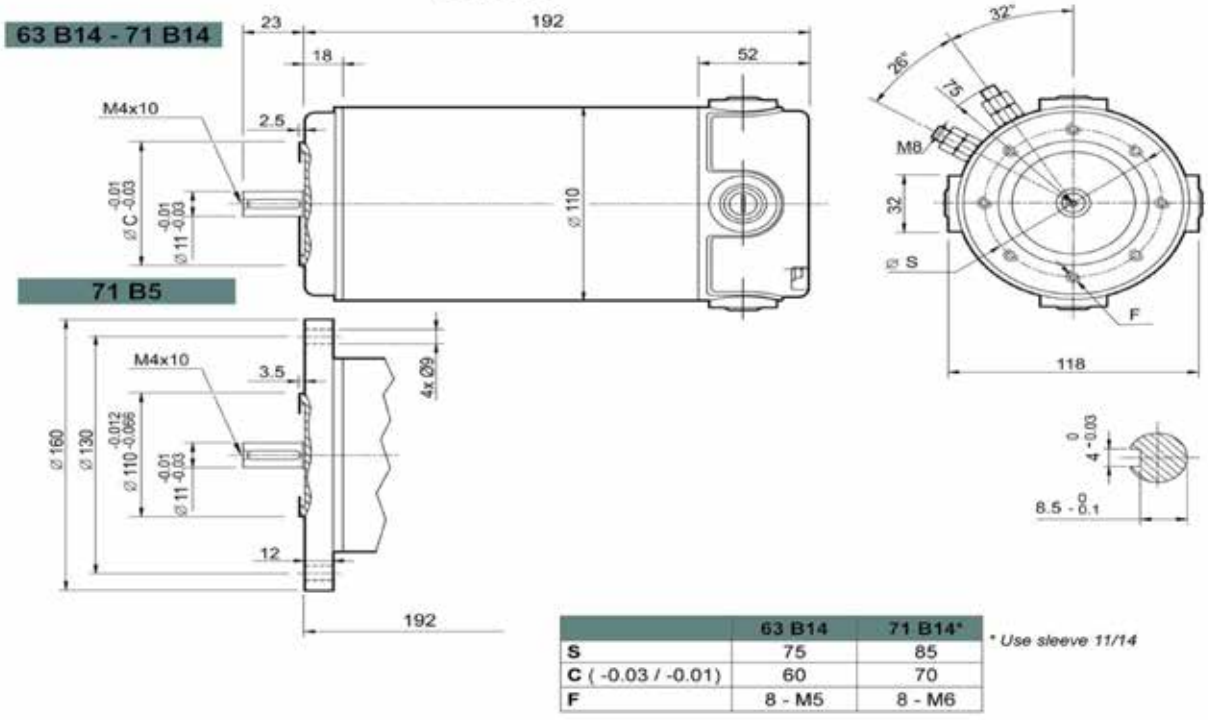
DC250



	63 B14	71 B14*
S	75	85
C (-0.03 / -0.01)	60	70
F	8 - M5	8 - M6

* Use sleeve 11/14

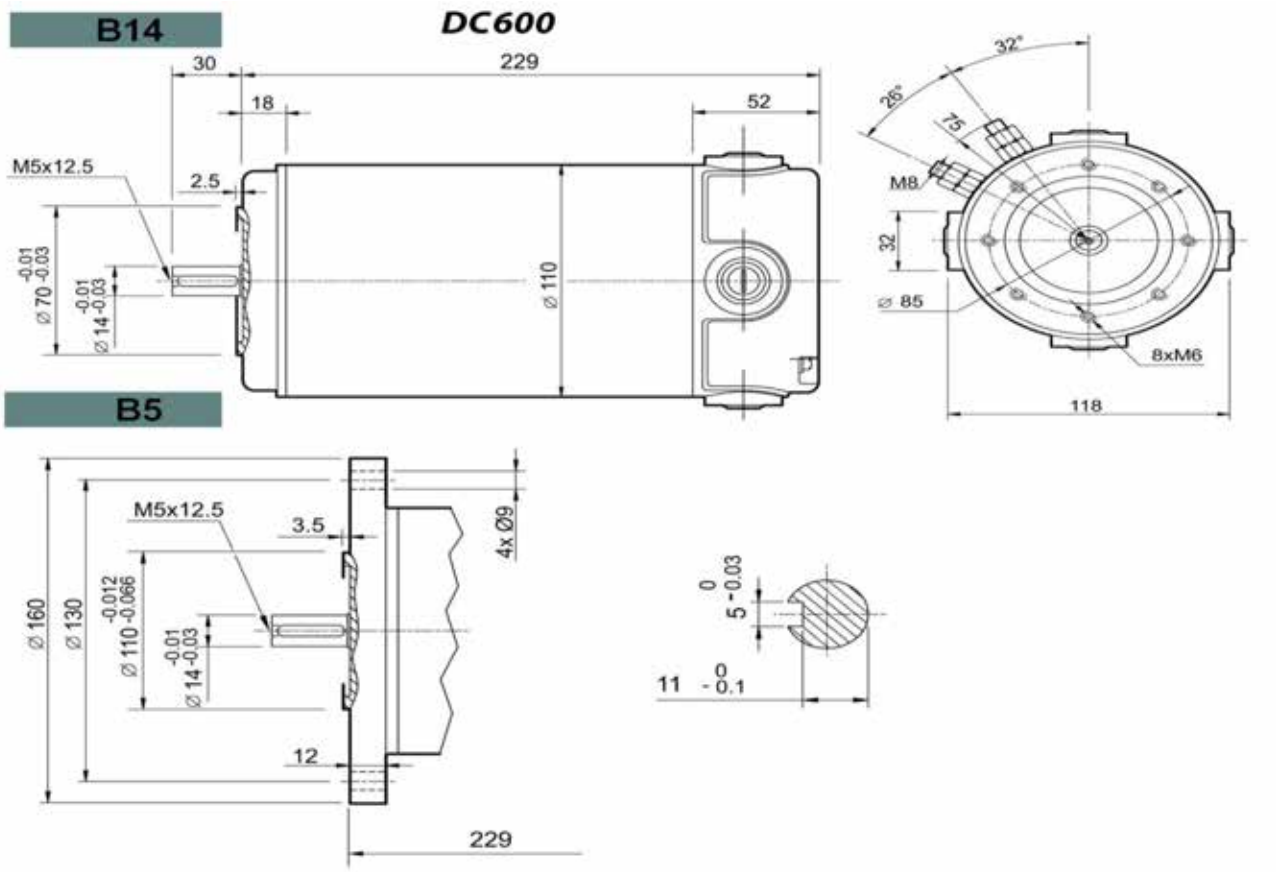
DC350



	63 B14	71 B14*
S	75	85
C (-0.03 / -0.01)	60	70
F	8 - M5	8 - M6

* Use sleeve 11/14

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047


B14
DC600
30
229
18
52
M5x12.5
2.5
Ø 70 -0.01 -0.03
Ø 14 -0.01 -0.03
Ø 110
32°
26°
75
M8
32
Ø 85
8xM6
118
B5
M5x12.5
3.5
4x Ø9
Ø 160
Ø 130
Ø 110 -0.012 -0.066
Ø 14 -0.01 -0.03
12
229
5 0 -0.03
11 0 -0.1

02

ΜΕΙΩΤΗΡΕΣ
REDUCERS

A.N.G motori-ridutorri

Γωνιακοί Μειωτήρες/ Gear Boxes
Ευθύγραμοι Μειωτήρες/ Reducers
Προμειωτές, Αυξομειωτές/ Variators
Μειωτήρες Βαρέως Τύπου / Heavy Duty Reducers



Τεχνικές Προδιαγραφές

Technical Data

A4G

Aluminum housings and input flanges.
Input Flange: B5-B14
Output Flange: F-FL
Lubricant: Synthetic

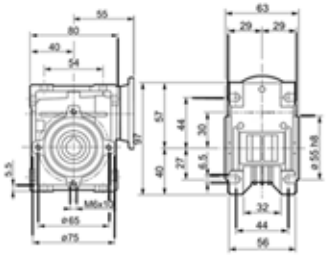
Aluminum



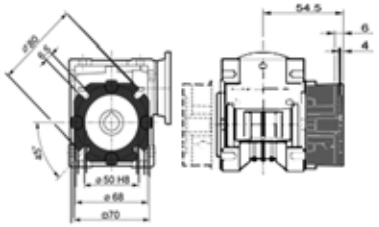
Gear Box	Output Shaft	Shaft Length	Shaft Center	Input Flange	Output Flange F	Output Flange FB	Torque Arm	KG
A4G 030	Φ14	63	40	56 B5	Φ80X25,5		85X15	1,2
				56 B14				
				63 B5				
				63 B14				
A4G 040	Φ18	78	50	56 B5	Φ110X30,5	Φ140X43,5	100X18	2,3
				63 B5				
				63 B14				
				71 B5				
				71 B14				
A4G 050	Φ25	92	60	63 B5	Φ125X46,5	Φ160X45,5	100X18	3,5
				71 B5				
				71 B14				
				80 B5				
				80 B14				
A4G 063	Φ25	112	72	71 B5	Φ180X29	Φ200X45	150X18	6,2
				71 B14				
				80 B5				
				80 B14				
				90 B5				
				90 B14				
A4G 075	Φ28	120	86	71 B5	Φ200X54		200X30	9
				80 B5				
				80 B14				
				90 B5				
				90 B14				
				100/112 B5				
				100/112 B14				
A4G 090	Φ35	140	103	80 B5	Φ210X44		200X30	13
				80 B14				
				90 B5				
				90 B14				
				100/112 B5				
				100/112 B14				

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

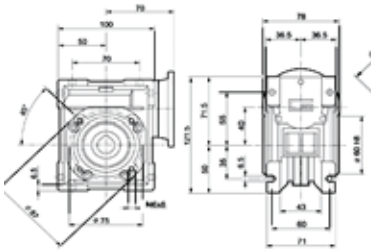
A.4.G 030



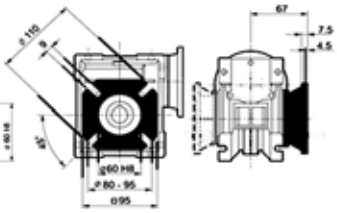
A.4.G 030 F



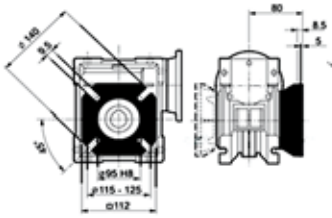
A.4.G 040



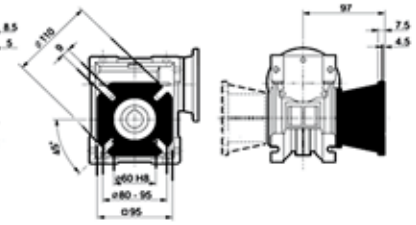
A.4.G 040 F



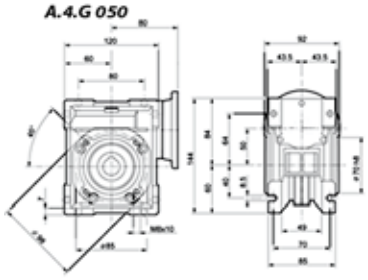
A.4.G 040 FB



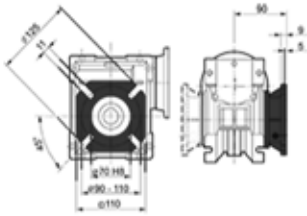
A.4.G 040 FL



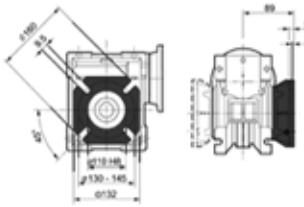
A.4.G 050



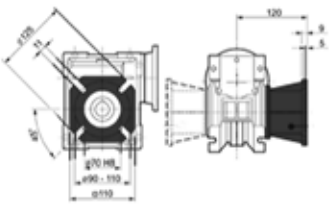
A.4.G 050 F



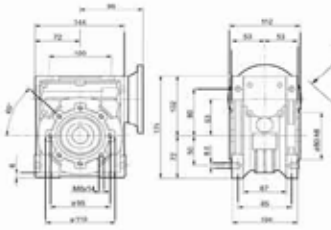
A.4.G 050 FB



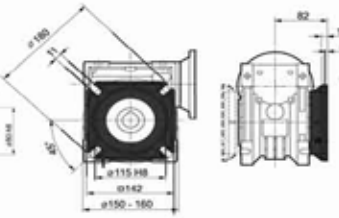
A.4.G 050 FL



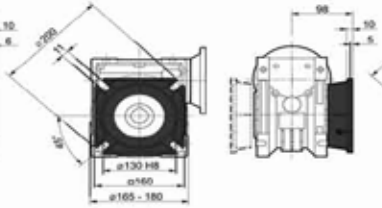
A.4.G 063



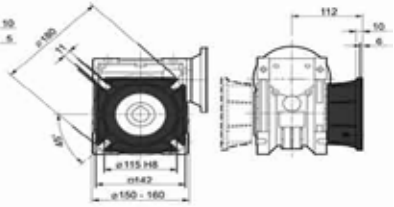
A.4.G 063 F



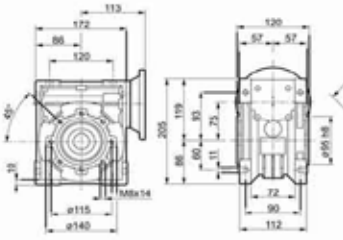
A.4.G 063 FB



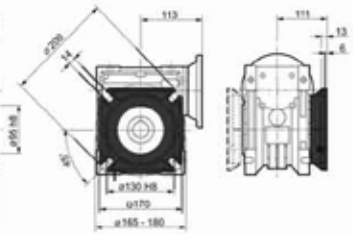
A.4.G 063 FL



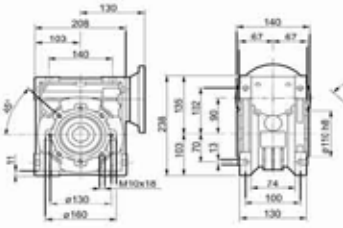
A.4.G 075



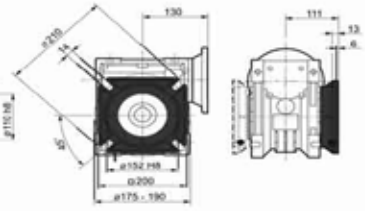
A.4.G 075 F



A.4.G 090



A.4.G 090 F



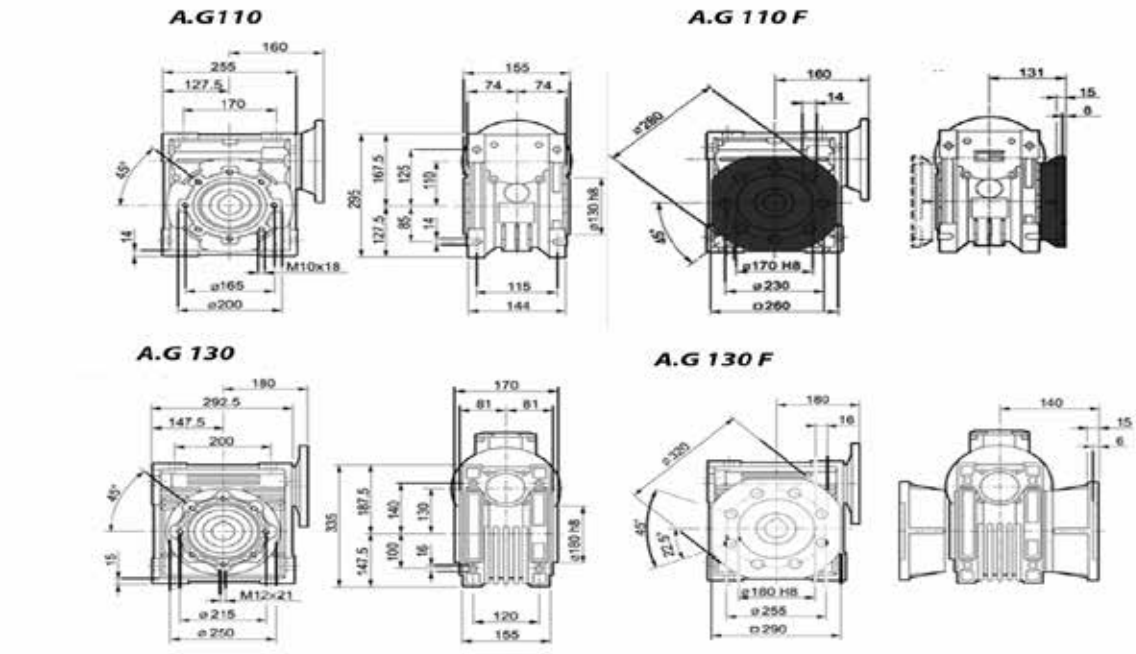
AG

Cast Iron

Cast Iron housings and input flanges.
Input Flange: B5-B14
Output Flange: F
Lubricant: Synthetic



Gear Box	Output Shaft	Shaft Length	Shaft Center	Input Flange	Input Shaft	Output Flange	Torque Arm	KG
A.G. 110	Φ 42	155mm	127.5	90 B5	D 24	Φ280X57	250X35	21
				100 / 112 B5	D 28			
				100 / 112 B14	D 28			
				132 B5	D 38			
A.G. 130	Φ 45	170mm	147.5	90 B5	D 24	Φ320X59	250X35	45
				100 / 112 B5	D 28			
				100 / 112 B14	D 28			
				132 B5	D 38			



www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

Micro Ηλεκτρομειωτήρες 380V- 4 poles / Micro GearMotors 380V- 4 poles

Aluminum

Aluminum housings and input flanges.

Output Flange: F-FL



Gear Box Motor	Voltage V	Input Speed rpm	Power kW	Output Speed rpm	Output Shaft mm
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.06kW, S030, i60	380	1400	0,06	23	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.06kW, S030, i80	380	1400	0,06	17	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.09kW, S030, i40	380	1400	0,09	35	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.09kW, S030, i50	380	1400	0,09	28	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.09kW, S040, i100	380	1400	0,09	14	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.12kW, S030, i10	380	1400	0,12	140	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.12kW, S030, i20	380	1400	0,12	70	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.12kW, S030, i30	380	1400	0,12	47	14
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.12kW, S040, i60	380	1400	0,12	23	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.12kW, S040, i80	380	1400	0,12	17	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.18kW, S040, i40	380	1400	0,18	35	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.18kW, S040, i50	380	1400	0,18	28	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.18kW, S050, i80	380	1400	0,18	17	25
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.18kW, S050, i100	380	1400	0,18	14	25
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.25kW, S040, i30	380	1400	0,25	47	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.25kW, S050, i50	380	1400	0,25	28	25
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.25kW, S050, i60	380	1400	0,25	23	25
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.37kW, S040, i10	380	1400	0,37	140	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.37kW, S040, i20	380	1400	0,37	70	18
MICRO ΗΛΕΚΤΡΟΜΕΙΩΤΗΡΑΣ 380V, 4P, 0.37kW, S050, i40	380	1400	0,37	35	25

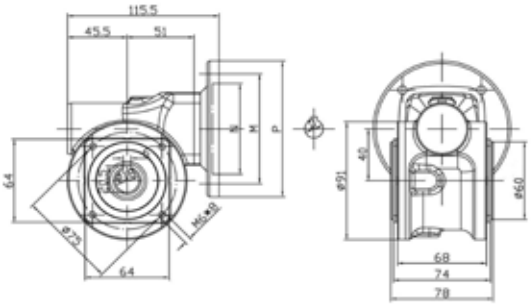
Stainless Steel VF Gearboxes



IP69K
Σώμα/Housing **SS304**
Κοχλίας/Worm **Bronze 12-2**
Λιπαντικό/Lubricant **Synthetic**

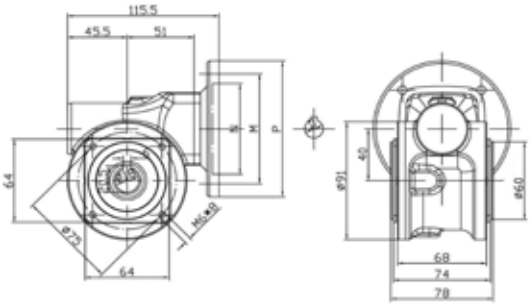
Οι ανοξείδωτοι μειωτήρες **VF της PTC Smooth Surface,** έχουν σχεδιαστεί για εφαρμογές όπου απαιτούνται υψηλά επίπεδα υγιεινής, αντοχή στη διάβρωση και αξιόπιστη λειτουργία σε απαιτητικά βιομηχανικά περιβάλλοντα. Το σώμα του μειωτήρα κατασκευάζεται με υψηλή ακρίβεια από ανοξείδωτο χάλυβα AISI 304, προσφέροντας συμπαγή και στιβαρή κατασκευή. Αποτελούν ιδανική λύση για εφαρμογές στη βιομηχανία τροφίμων, ποτών, φαρμακευτικών προϊόντων και γενικότερα σε εγκαταστάσεις όπου απαιτείται hygienic design και υψηλή αξιοπιστία / **PTCVF** *stainless steel gearboxes are designed for applications requiring high hygiene standards, corrosion resistance and reliable operation in demanding industrial environments. The gearbox housing is precision-manufactured from AISI 304 stainless steel, providing a compact and robust construction.Are an ideal solution for applications in the food, beverage, pharmaceutical and general hygienic industries where hygienic design and operational reliability are essential.*
Διατίθενται στα μεγέθη / Available in the following sizes

VF040



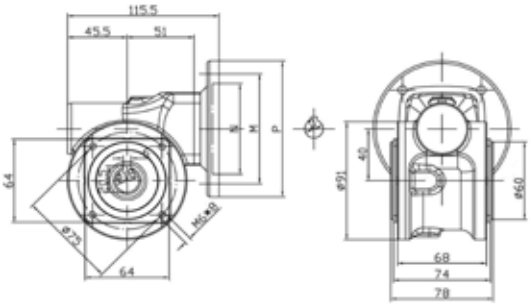
	N	M	P	D Ratio 7,5	10	15	20	25	30	40	50	60	80	100
71B5	110	130	160	14	14	14	14	14	14	14	-	-	-	-
71B14	70	85	105											
63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11
63B14	60	75	90											

VF050



	N	M	P	D Ratio 7,5	10	15	20	25	30	40	50	60	80	100
80B5	130	165	200	19	19	19	19	19	19	-	-	-	-	-
80B14	80	100	120											
71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	-
71B14	70	85	105											
63B5	95	115	140	-	-	-	-	-	-	11	11	11	11	11
63B14	60	75	90											

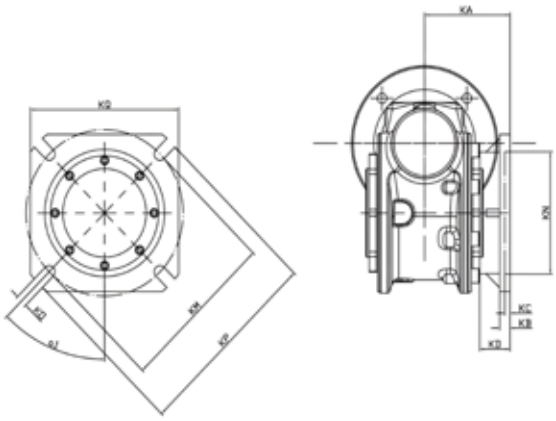
VF063



	N	M	P	D Ratio 7,5	10	15	20	25	30	40	50	60	80	100
90B5	130	165	200	24	24	24	24	24	24	-	-	-	-	-
90B14	95	115	140											
80B5	130	165	200	19	19	19	19	19	19	19	19	19	-	-
80B14	80	100	120											
71B5	110	130	160	-	-	-	-	-	-	14	14	14	14	14
71B14	70	85	105											

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

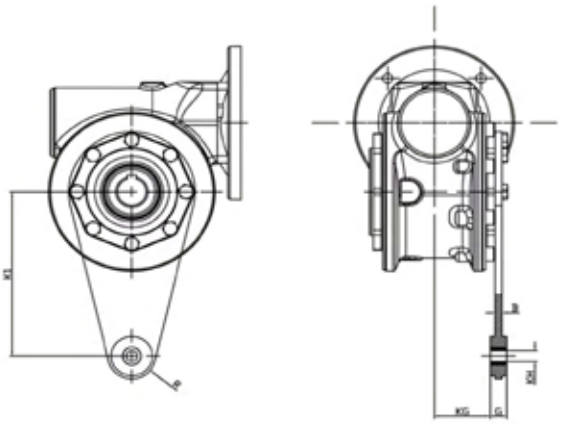
ΦΛΑΤΖΑ ΕΞΟΔΟΥ/OUTPUT FLANGE



VF	a1	KA	KB	KC	KD	KM	KN	KO	KP	KQ
VF040	45°	67	7	4	31,5	75	60	9	110	95
VF050	45°	90	9	4	46,5	85	70	11	125	110
VF063	45°	82	10	6	29	150	115	11	180	142

Υλικό/Material **SS304**

ΒΡΑΧΙΟΝΑΣ ΡΟΠΗΣ/TORQUE ARM



VF	K1	G	KG	KH	R	B
VF040	100	14	31,5	10	18	4
VF050	100	14	38,5	10	18	4
VF063	150	14	49	10	18	6

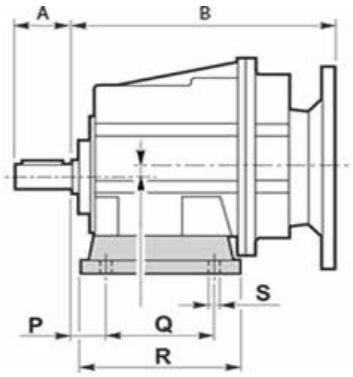
Υλικό/Material **SS304**

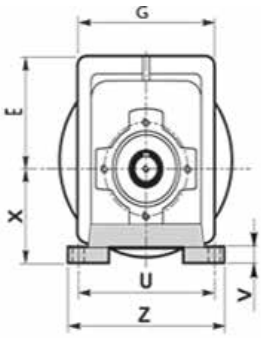
AHG

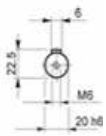
Aluminum

Σώμα & Έδρες Εισόδου: Aluminum.
Πόδια: Cast iron
AHG 01: Shaft 20X40mm
AHG 02: Shaft 25X50mm
AHG 03: Shaft 30X60mm
AHG 04: Shaft 35X70mm









A.H.G.	Dimensions in mm												
	A	B	C	E	G	P	Q	R	S	U	V	X	Z
01	40	172,5	6,5	93	124	18	80	118	9	110	12	75	140
02	50	182,5	11,5	98	124	25	85	120	9	120	12	80	140
03	60	237	5	118	156	30	100	150	11	150	14	110	185
04	70	250	15	128	156	35	110	160	14	170	14	120	210

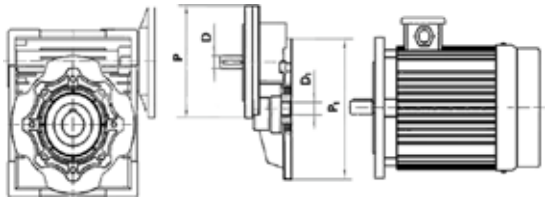
Gear Box	Output Shaft	Shaft Length	Output Flange	Input Flange	Input Shaft	Shaft High	KG
A.H.G. 01	Φ20	40mm	Φ160 Φ200	71 B5	D14	75mm	6,1
				80 B5	D19		
				90 B5	D24		
A.H.G. 02	Φ25	50mm	Φ200	80 B5	D11	80mm	7,4
				90 B5	D11		
A.H.G. 03	Φ30	60mm	Φ200 Φ250	90 - B5	D24	110mm	9,5
				100/112 - B5	D28		
A.H.G. 04	Φ35	70mm	Φ200 Φ250	90 - B5	D24	120mm	13,3
				100/112 - B5	D28		

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

Προμειτές / Pre Stage AP

Aluminum





Body: Aluminum

Model: AP063-AP071-AP080-AP091

Gear Ratio: 2,45:1~ 3:1

Pre Stage	Ratio	IEC	P1	D1	Outpul Flange	P	D
AP063	3/1	63B5	140	11	71B14	105	11
AP071	3/1	71B5	160	14	80B14	120	14
AP080	3/1	80B5	200	19	71B5	160	19
AP090	2.45/1	90B5	200	24	100B14	160	24

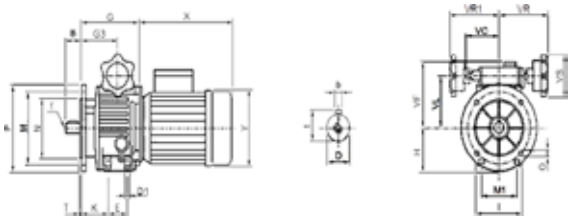
Μηχανικοι Αυξομειωτές / Variators AV

Body: Aluminum
Synthetic Lubricant
Foot Mounting

Power Range: 0,22~2,2kW
Output Speed: 170/800~200/1000

Aluminum





AV	B	D	E	G	G3	H	I	M	M1	N	O	D1	P	T	K	VC	VF	VL	VR	VR1	VS	b	f	t	Kgr
002	23	11	50	112,5	64,5	70	72	115	60	95	9	M6	140	3,5	46	71	111	78	110	110	85	4	M5	12,5	3,4
005	30	14	40	110	74	80	90	130	77	110	9	M6	160	3,5	53	71	123	90	110	110	85	5	M6	16	47
010	40	19	58	139	85,5	100	98	165	84	130	11	M8	200	3,5	60	79	140	107	120	120	85	6	M6	21,5	7,8
015	50	24		188	115	126	241	165		130	11		200	3,5			144	122	120	120	85	8	M8	27	31
022	60	28		208	131	150	270	215		180	15		250	4			188	150	160		110	8	M10	33	55

4-pole motor powers				
AP	IEC Input	Motor (kW)	Output Speed max - min (rpm)	Output Torque (Nm)
AV002	63 B5	0,18	880-170	1.5 ÷ 3
		0,25		2 ÷ 3
AV005	71 B5	0,37	1000-200	3 ÷ 6
		0,55		4,5 ÷ 6
AV010	80 B5	0,75	1000-200	6 ÷ 12
AV015	90 B5	1,1	1000-200	9 ÷18
		1,5		12 ÷ 24
AV022	100 B5	2,2	1000-200	18 ÷ 36
		3		24 ÷ 48

Gearboxes Type "F", "R", "K","S"

Cast Iron

TYPE F
Parallel Shaft



TYPE R
Coaxial



TYPE K
Bevel Helical



TYPE S
Worm



TYPE F, R, K, S: Αρσενικός (solid) άξονας εξόδου / Solid output shaft

TYPE FF, RF, KF, SF: Αρσενικός (solid) άξονας εξόδου και φλάντζα εξόδου F / Solid output shaft and outpuf flange F

TYPE FA, KA, SA: Θηλυκός (hollow) άξονας εξόδου / Hollow output shaft

TYPE FAF, KAF, SAF: Θηλυκός (hollow) άξονας εξόδου και φλάντζα εξόδου F / Hollow output shaft and outpuf flange F

Model	R17 ~ 187, F37-177, K37-187, S37-97
Input power	0.06kw ~ 250kw
Input speed	750rpm ~ 3000rpm
Reduction ratio	1/1.3 ~ 1/27000
Input motor	AC (1 phase or 3 phase) / DC / BLDC motor
Install type	Foot / Solid shaft / Hollow shaft / Output flange…
Efficiency	94% ~ 98 % for R F K series
Material of housing	Cast iron
Precision of gear	Accurate grinding, class 6
Heat treatment	Carburizing and quenching



03

ΑΝΤΛΙΕΣ
PUMPS

A.N.G motori-riduttori

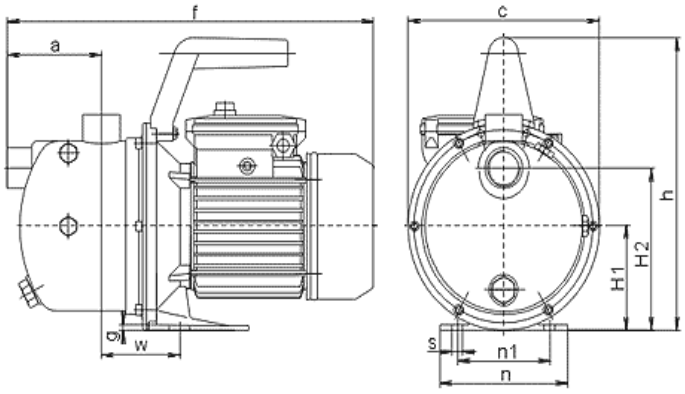
Μονοφασικές Ανοξείδωτες Αντλίες/Single Phase Stainless Steel Pumps

Τεχνικές Προδιαγραφές

Technical Data

JETS SERIES





Αδιάβροχες πρίζες και αδιάβροχος διακόπτης/ Waterproof sockets and switch

Σώμα αντλίας / Body of pump: Stamped Stainless Steel AISI 304

Πλαστική φυγοκεντρική φτερωτή Plastic Centrifugal Pump Impeller

Copper wire 100%

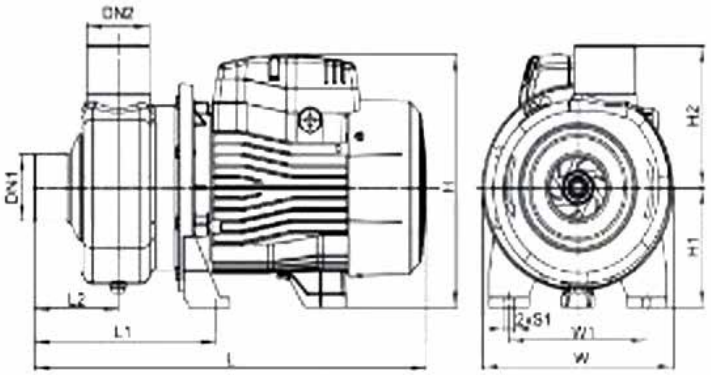
Model	Power(KW)		Current (A)	Capacitors (μF)	Max Head (m)	Max.Capacity (L/min)	Inlet/Out Inch	Maximum suction (M)	Capacity l/min							
	kW	HP							5	10	15	20	25	30	40	50
JETS60	0,6	0.8	2.4	12	40	38	1"X1"	8	39	36	32	29	25	22		
JETS80	0,8	1.1	3.7	16	45	43	1"X1"	8	42	40	37	35	33	31	10	
JETS100	1	1.3	4.6	20	51	49	1"X1"	8	46	44	41	39	36	35	28	
JETS110	1,1	1.5	4.9	20	52	54	1"X1"	8	52	48	45	42	40	38	32	1

Model	Frame Dimensions(mm)												Weight (kg)	
	a	f	h	H1	W	H2	W1	W2	n	n1	g	s	NW	GW
JETS60	97	378	230	99	212	153	104	184	130	94	7	11	7.8	8.8
JETS80	97	378	230	99	212	153	104	184	130	94	7	11	8.2	9.2
JETS100	97	378	230	99	212	153	104	184	130	94	7	11	8.6	9.6
JETS110	97	378	230	99	212	153	104	184	130	94	7	11	8.9	9.9

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ABK SERIES





Αδιάβροχες πρίζες και αδιάβροχος διακόπτης/ Waterproof sockets and switch

Σώμα αντλίας / Body of pump: Stamped Stainless Steel AISI 304

Φτερωτή / Centrifugal Pump Impeller Cast stanless steel AISI 304

Plastic Copper wire 100%

Model	POWER		Q(m3/h)	1,2	2,4	3,6	4,8	6	12	18	24	33	42	48	57	66	Max. Particle Diameter (mm)
	KW	HP	Q(L/min)	20	40	60	80	100	200	300	400	550	700	800	950	1100	
ABK75	0,55	0,75		11,3	10,5	9,5	8,7	7,5	-	-	-	-	-	-	-	-	9
ABK100	0,75	1		-	-	-	-	8	7	5	-	-	-	-	-	-	12
ABK120	0,9	1,2		-	-	-	-	11	10	9	-	-	-	-	-	-	12
ABK150	1,1	1,5	H(m)	-	-	-	-	9,5	8,8	7,8	6,7	-	-	-	-	-	16
ABK200	1,2	2		-	-	-	-	12,7	12	11,2	10	8,3	-	-	-	-	16
ABK300	2,2	3		-	-	-	-	15	14	13,5	12,7	11,2	9,8	8,9	7,5	-	19
ABK400	3	4		-	-	-	-	17,5	16,8	16	15,2	14	12,5	11,5	9,7	7,5	19

Model	DN1	DN2	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	W (mm)	W1 (mm)	S1 (mm)
ABK75	1 1/4"	1"	280	123	50	180	90	106	170	105	9
ABK100	1 1/2"	1 1/2"	332	160	76	212	100	118	170	120	9
ABK120	1 1/2"	1 1/2"	332	160	76	212	100	118	170	120	9
ABK150	2"	2"	400	184	85	235	112	133	195	140	9
ABK200	2"	2"	400	184	85	235	112	133	195	140	9
ABK300	2 1/2"	2"	450	184	85	252	117	133	195	140	9
ABK400	2 1/2"	2"	450	184	85	252	117	133	195	140	9

04

ΔΟΝΗΤΙΚΑ ΜΟΤΕΡ
Vibration Motors

A.N.Gmotori-ridutorri

Τριφασικά Δονητικά Μοτέρ/ Vibrator motors

Μαγνητικοί Δονητές/ Magnetic Vibrators

Φορητές Δονούμενες Σπάτουλες/ Handheld Vibrating Trowels

Τεχνικές Προδιαγραφές

Technical Data

ZF2

3 Phase



Τριφασικά Δονητικά Μοτέρ

Μικρού όγκου και χαμηλού βάρους που δεν επιβαρύνουν την κατασκευή.

Η δύναμη δόνησης μεταβάλλεται και ρυθμίζεται εύκολα,

ώστε να ικανοποιεί διάφορες απαιτήσεις.

Διαθέσημα σε διάφορα μεγέθη

από 250W-0,67A-0,8 kN

έως 1100W-2,4A-5 kN

Three-phase Vibrating Motors

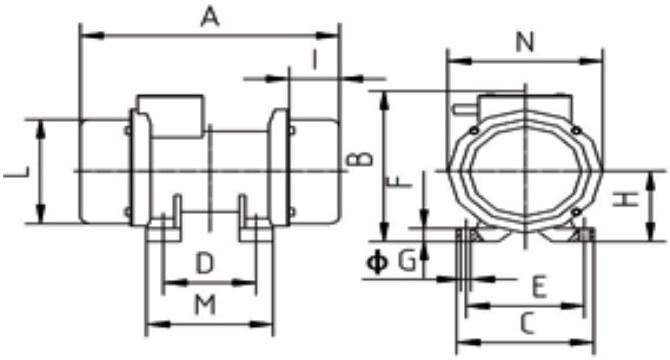
Small volume and low weight that do not burden the construction.

The vibratiov force is easily changed and adjusted, to satisfy various requirements.

Available in various sizes

from 250W-0.67A-0.8 kN

to 1100W-2,4A-5 kN



TYPE	Voltage	Power	Input Current	Exciting Force
	V	W	A	Kn
ZF2-0.8	~380	250	0,6	0,8
ZF2-1.2	~380	250	0,67	1,2
ZF2-2.5	~380	550	1,22	2,5
ZF2-3	~380	750	1,6	3
ZF2-5	~380	1100	2,4	5

TYPE	A	B	C	D	E	ϕG	F	H	I	L	M	N
ZF2-1.2	230	1150	150	110	120	11	13	79	43	124	137	153
ZF2-2.5	255	190	155	110	120	11	15	100	55	147	135	147
ZF2-3	275	176	170	110	120	13	13	92	72	150	14	140
ZF2-5	320	188	200	100	140	13	13	98	88	165	160	140

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

A.N.G motori-ridutorri

EQUIPMENT YOU CAN TRUST



05

INVERTERS

A.N.Gmotori-ridutorri

Σειρά M – Συνδεσμολογία τύπου "Δ"

Σειρά G – Συνδεσμολογία τύπου "Υ"



Τεχνικές Προδιαγραφές

Technical Data

INVERTERS

Inverters A.N.G

Input 1 phase - Output 3 Phase





Σειρά M
Συνδεσμολογία τύπου "Δ".
Wiring Type Δ

Input: 1 Ph / 220 V – Output 3Ph/220V
M 0,4kW Input Current 6,5A Output Current 2,5A
M 0,75kW Input Current 9,3A Output Current 4,2A
M 1,5kW Input Current 15,7A Output Current 7,5A
M 2,2kW Input Current 24A Output Current 10A

Σειρά G
Συνδεσμολογία τύπου "Y".
Wiring Type Y

Input: 1 Ph / 220 V – Output 3Ph/380V
G 3,7kW Input Current 11,4A Output Current 9,2A

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047



06

ΜΕΤΑΛΛΙΚΑ ΕΞΑΡΤΗΜΑΤΑ
METAL COMPONENTS

Κουζινέτα/ Pillow Blocks

Ρουλεμάν/ Bearings

Καδένες/ Chains

Γρανάζια/Sprockets

Τροχαλίες/Pulleys

Couplings



Τεχνικές Προδιαγραφές

Technical Data

ΚΟΥΖΙΝΕΤΑ – ΧΥΤΟΣΙΔΗΡΟΥ & ΑΝΟΞΕΙΔΩΤΑ/ PILLOW BLOCKS – CAST IRON & STAINLESS STEEL

F

Cast Iron- Inox





Ρουλεμάν/Bearing: UC Steel ή INOX

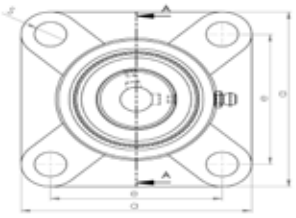
Γρασαδόρος: με πλαστικό καπάκι

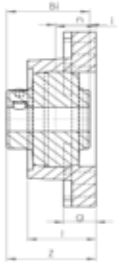
Greaser with plastic cap

Μεγέθη/Sizes: από 203 έως 212

Ποιότητα Κατασκευής /

Quality: First Quality





Type	Shaft Diam.	Dimensions in mm									Bolt Size	Bearing No
		a	e	i	g	l	s	z	Bi	n		
F203	17	86	64	15	12	25,4	12	33,3	31	12,7	M10	UC203
F204	20	86	64	15	11	25,4	12	33,3	31	12,7	M10	UC204
F205	25	95	70	16	13	27	12	35,7	34	14,3	M10	UC205
F206	30	108	83	18	14	31	12	40,5	38,1	15,9	M10	UC206
F207	35	117	92	19	15	34	14	44,5	42,9	17,5	M12	UC207
F208	40	130	102	21	15	36	16	51,2	49,2	19	M14	UC208
F209	45	137	105	22	16	38	16	51,9	49,2	19	M14	UC209
F210	50	143	111	22	16	40	16	54,8	51,6	19	M14	UC210
F212	60	175	143	29	18	48	19	68,7	65,1	25,4	M16	UC212

FL

Cast Iron- Inox





Ρουλεμάν/Bearing: UC Steel ή INOX

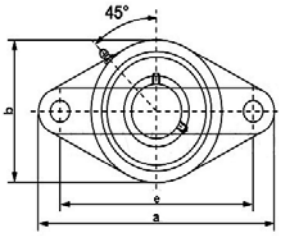
Γρασαδόρος: με πλαστικό καπάκι

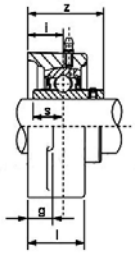
Greaser with plastic cap

Μεγέθη/Sizes: από 202 έως 210

Ποιότητα Κατασκευής /

Quality: First Quality





Type	Shaft Diam.	Dimensions in mm								Bolt Size	Bearing No
		a	e	i	g	l	s	b	z		
FL202	15	113	90	15	11	25,5	12	60	30,9	M10	UC202
FL203	17	113	90	15	11	25,5	12	60	30,3	M10	UC203
FL204	20	113	90	15	11	25,5	12	60	33,7	M10	UC204
FL205	25	130	99	16	14	27	16	68	35,8	M14	UC205
FL206	30	148	117	18	14	31	16	80	40,2	M14	UC206
FL207	35	161	130	19	16	34	16	90	44,4	M14	UC207
FL208	40	175	144	21	16	36	16	100	51,2	M14	UC208
FL209	45	188	145	22	18	38	19	108	52,2	M16	UC209
FL210	50	197	157	22	18	40	19	115	54,6	M16	UC210

ΚΟΥΖΙΝΕΤΑ – ΧΥΤΟΣΙΔΗΡΟΥ & ΑΝΟΞΕΙΔΩΤΑ/ PILLOW BLOCKS – CAST IRON & STAINLESS STEEL

FC

Cast Iron- Inox



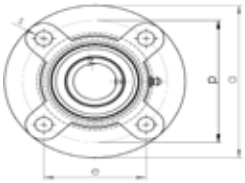
Ρουλεμάν/Bearing: UC Steel ή INOX

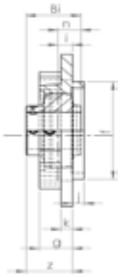
Γρασαδόρος: με πλαστικό καπάκι

Greaser with plastic cap

Μεγέθη/Sizes: από 204 έως 210

Ποιότητα Κατασκευής / Quality: First Quality





Type	Shaft Diam.	Dimensions (mm)												Bolt Size	Bearing No
		a	p	e	i	s	j	k	g	f	z	Bi	n		
FC204	20	100	78	55,1	10	12	5	7	20,5	62	28,7	31	12,7	M10	UC204
FC205	25	115	90	63,6	10	12	6	7	21	70	29,8	34,1	14,3	M10	UC205
FC206	30	125	100	70,7	10	12	8	8	23	80	32,2	38,1	15,9	M10	UC206
FC207	35	135	110	77,8	11	14	8	9	26	90	36,4	42,9	17,5	M12	UC207
FC208	40	145	120	84,8	11	14	10	9	26	100	41,2	49,2	19	M12	UC208
FC209	45	160	132	93,3	10	16	12	14	26	105	40,2	49,2	19	M14	UC209
FC210	50	165	138	97,6	10	16	12	14	28	110	42,6	51,6	19	M14	UC210

P

Cast Iron- Inox



Ρουλεμάν/Bearing: UC Steel ή INOX

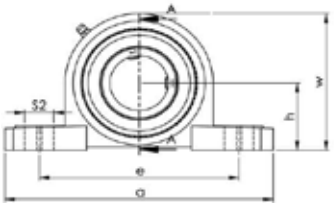
Γρασαδόρος: με πλαστικό καπάκι /

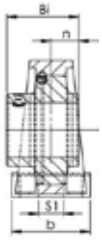
Greaser with plastic cap

Μεγέθη/Sizes: από 203 έως

210 Ποιότητα Κατασκευής /

Quality: First Quality







Type	Shaft Diam.	Dimensions										Bolt Size	Bearing No
		h	a	e	b	S1	S2	g	w	Bi	n		
P203	17	30,2	127	95	38	13	19	14	62	31	12,7	M10	UC203
P204	20	33,3	127	95	38	13	19	16	63	31	12,7	M10	UC204
P205	25	36,5	140	105	38	13	19	16	71	34	14,3	M10	UC205
P206	30	42,9	165	121	48	17	21	18	84	38,1	15,9	M14	UC206
P207	35	47,6	167	127	48	17	21	18	93	42,9	17,5	M14	UC207
P208	40	49,2	184	137	54	17	21	20	98	49,2	19	M14	UC208
P209	45	54	190	146	54	17	21	22	106	49,2	19	M14	UC209
P210	50	57,2	206	159	60	20	22	22	113	51,6	19	M16	UC210

ΚΟΥΖΙΝΕΤΑ – ΧΥΤΟΣΙΔΗΡΟΥ & ΑΝΟΞΕΙΔΩΤΑ/ PILLOW BLOCKS – CAST IRON & STAINLESS STEEL

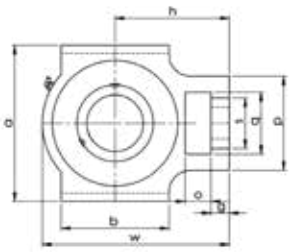
T

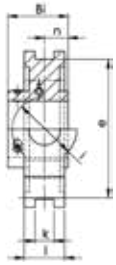
Cast Iron- Inox





Ρουλεμάν/Bearing: UC Steel ή INOX
Γρασαδόρος: με πλαστικό καπάκι /
Greaser with plastic cap
Μεγέθη/Sizes: από 204 έως 210
Ποιότητα Κατασκευής /
Quality: First Quality





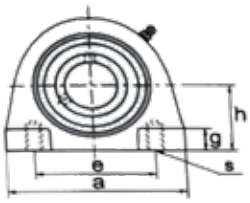
Type	Shaft Diam.	Dimensions (mm)															Bearing No
		o	g	s	p	q	b	k	e	a	w	i	l	h	Bi	n	
T204	20	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12,7	UC204
T205	25	16	10	51	32	19	51	12	76	89	97	32	24	62	34,1	14,3	UC205
T206	30	16	10	56	37	22	57	12	59	102	113	37	28	70	38,1	15,9	UC206
T207	35	16	13	64	37	22	64	12	89	102	129	37	30	78	42,9	17,5	UC207
T208	40	19	16	83	49	29	83	16	102	114	144	49	33	88	49,2	19	UC208
T209	45	19	16	83	49	29	83	16	102	117	144	49	35	87	49,2	19	UC209
T210	50	19	16	83	49	29	86	16	102	117	149	49	37	90	51,6	19	UC210

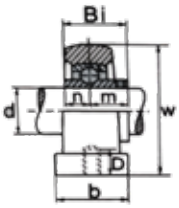
TBL

Cast Iron- Inox



Ρουλεμάν/Bearing: UC Steel ή INOX
Γρασαδόρος: με πλαστικό καπάκι /
Greaser with plastic cap
Μεγέθη/Sizes: από 204 έως 210
Ποιότητα Κατασκευής /
Quality: First Quality







Type	Shaft Diam-eter	Dimensions (mm)											Bearing No
		h	b	s	g	w	D	e	a	Bi	n	m	
U204	20	30,2	38	M10	11	62	13	52	76	31	12,7	18,3	UC204
U205	25	36,5	38	M10	12	72	13	56	84	34	14,3	19,7	UC205
U206	30	42,9	48	M14	12	84	18	66	94	38,1	15,9	22,2	UC206
U207	35	47,6	48	M14	13	95	20	80	110	42,9	17,5	25,4	UC207
U208	40	49,2	54	M14	13	100	20	84	116	49,2	19	30,2	UC208
U209	45	54,2	54	M14	13	108	25	90	120	49,2	19	30,2	UC209
U210	50	57,2	60	M16	14	116	25	94	130	51,6	19	32,6	UC210

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

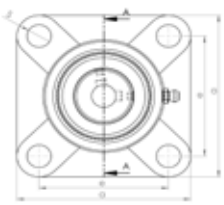
ΚΟΥΖΙΝΕΤΑ ΠΛΑΣΤΙΚΑ / PLASTIC HOUSE BEARINGS

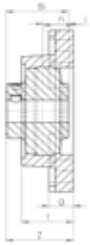
PLF

THERMOPLASTIC PBT



Ρουλεμάν/Bearing: SB Steel ή INOX
Σώμα / Body: PBT
Γρασαδόρος: SS304 με πλαστικό καπάκι /
Greaser SS304 with plastic cap
Μεγέθη/Sizes: από 204 έως 212





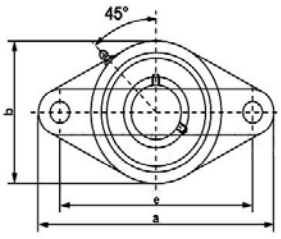
Type	Shaft Diam.	Dimensions (mm)									Bolt Size	Bearing No
		a	e	l	g	i	s	z	Bi	n		
PLF204	20	86	63.5	27.8	13.4	12.7	11	36.3	31	18	M10	SB204
PLF205	25	95	70	28	14	14.3	11	36.7	34.1	17	M10	SB205
PLF206	30	108	83	31.5	14.3	15.9	11	41.4	38.1	19.2	M10	SB206
PLF207	35	118	92	34.8	15.5	17.5	13	46.9	42.9	21.5	M12	SB207
PLF208	40	130	102	37.5	18	19	14	53.2	49.2	23	M12	SB208
PLF209	45	137	105	41	19	19	17	54.2	49.2	24	M16	SB209
PLF210	50	143	111	43	21	19	17	57.6	51.6	25	M16	SB210
PLF212	60	175	143	48	19	25.4	17	68.7	65.1	29	M16	SB212

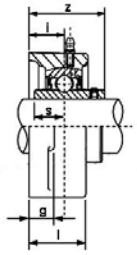
PLFL

THERMOPLASTIC PBT



Ρουλεμάν/Bearing: SB Steel ή INOX
Σώμα / Body: PBT
Γρασαδόρος: SS304 με πλαστικό καπάκι /
Greaser SS304 with plastic cap
Μεγέθη/Sizes: από 204 έως 212





Type	Shaft Diam.	Dimensions								Bolt Size	Bearing No
		a	e	i	g	l	s	z	b		
PLFL204	20	113	90	15,4	14	26,5	12,7	33,7	65	M10	SB204
PLFL205	25	131	99	17	14	29	14,3	36,7	69	M10	SB205
PLFL206	30	148	117	19	14	31	15,9	41,2	80	M10	SB206
PLFL207	35	166	130	18	16	32	17,5	43,4	92	M14	SB207
PLFL208	40	176	144	21,5	20	37,5	19	51,7	101	M14	SB208
PLFL209	45	189	148,5	24	21	41	19	54,2	108	M14	SB209
PLFL210	50	197	157	25	21	43	19	57,6	116	M14	SB210
PLFL212	60	250	202	29	20	48	25,4	68,7	140	M16	SB212

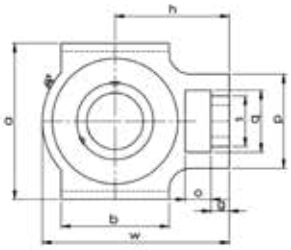
ΚΟΥΖΙΝΕΤΑ ΠΛΑΣΤΙΚΑ / PLASTIC HOUSE BEARINGS

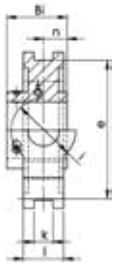
NT

THERMOPLASTIC PBT



Ρουλεμάν/Bearing: SB Steel ή INOX
Σώμα / Body: PBT
Γρασαδόρος: SS304 με πλαστικό καπάκι /
Greaser SS304 with plastic cap
Μεγέθη/Sizes: από 204 έως 210





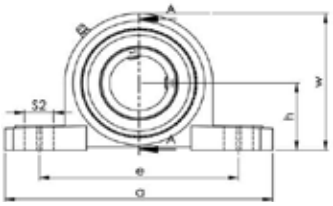
Type	Shaft Diam.	Dimensions (mm)											Bearing No
		w	l	k	h	a	e	i	p	b	Bi	n	
TPL204	20	16	27.5	12	64	88	76	M16	36	47	31	12.7	SB204
TPL205	25	16	27.5	12	64	88	76	M16	36	47	34.1	14.3	SB205
TPL206	30	16	34.5	12	76	102	89	M16	40	63	38.1	15.9	SB206
TPL207	35	16	34.5	12	76	102	89	M16	40	63	42.9	17.5	SB207
TPL208	40	19	34.5	16	85	114	102	M16	40	80	49.2	19	SB208
TPL209	45	19	40	16	90	116	102	M20	50	85	49.2	19	SB209
TPL210	50	19	40	16	90	116	102	M20	50	85	51.6	19	SB210

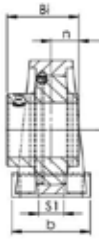
P

THERMOPLASTIC PBT



Ρουλεμάν/Bearing: SB Steel ή INOX
Σώμα / Body: PBT
Γρασαδόρος: SS304 με πλαστικό καπάκι /
Greaser SS304 with plastic cap
Μεγέθη/Sizes: από 204 έως 210





Type	Shaft Diam.	Dimensions									Bolt Size	Bearing No
		h	a	e	b	S1	S2	w	Bi	n		
P204	20	33.3	127	95	38	11	14	65.5	33	12.7	M10	SB204
P205	25	36.5	140	105	38	11	14	71	35.4	14.3	M10	SB205
P206	30	42.9	165	121	48	14	18	84	39.8	15.9	M12	SB206
P207	35	47.6	167	127	48	14	18	94.5	43.9	17.5	M12	SB207
P208	40	49.2	184	137	54	14	18	99	50.2	19	M12	SB208
P209	45	54	190	146	54	17	20	106	50.2	19	M16	SB209
P210	50	57.2	206	159	60	17	20	114	52.6	19	M16	SB210

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΚΟΥΖΙΝΕΤΑ ΠΛΑΣΤΙΚΑ / PLASTIC HOUSE BEARINGS

TBL

THERMOPLASTIC PBT

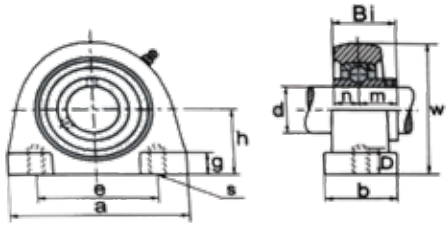


Ρουλεμάν/Bearing: SB Steel ή INOX

Σώμα / Body: PBT

Γρασαδόρος: SS304 με πλαστικό καπάκι /
Greaser SS304 with plastic cap

Μεγέθη/Sizes: από 204 έως 210



Type	Shaft Diam-eter	Dimensions (mm)								Bolt Size	Bearing No
		h	b	g	w	e	a	Bi	n		
TBL204	20	33.3	38	10	64	52	76	31	12.7	M8	SB204
TBL205	25	36.5	38	12	72	56	84	34.1	14.3	M10	SB205
TBL206	30	42.9	48	12	84	66	95	38.1	15.9	M10	SB206
TBL207	35	47.6	48	12	95	80	110	42.9	17.5	M10	SB207
TBL208	40	49.2	54	15	100	84	116	49.2	19	M12	SB208
TBL209	45	54.2	54	15	108	90	120	49.2	19	M12	SB209
TBL210	50	57.2	60	18	116	94	130	51.6	19	M16	SB210

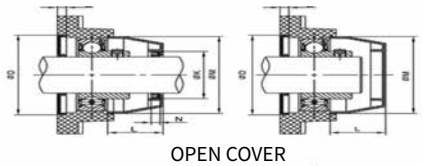
COVERS & SEALS

CLOSE AND OPEN COVER

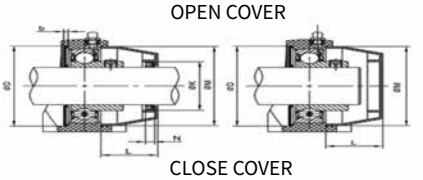


Shaft Diameter	Dimensions (mm)						
	K	N	L	M	D	B	b
20	32	7	23	50	52	6	3
25	37	7	25	55	62	6	3
30	42	7	30	64	72	6	3
35	47	7	32	74.5	82	6	3
40	52	7	37	84	88	6	3
45	57	7	41	89	93	6	3
50	62	7	47	94	98	6	3

Oil Seal	
Diametre	Shaft
32	20
37	25
42	30
47	35
52	40
57	45
62	50



OPEN COVER



CLOSE COVER

ΡΟΥΛΕΜΑΝ ΚΟΥΖΙΝΕΤΩΝ/ INSERT BEARINGS

ΣΕΙΡΑ SB

STEEL-STAINLESS STEEL-PLASTIC

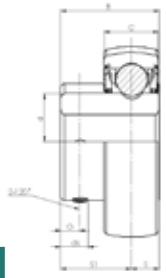


SB
2RS

SB
ZZ

SB
PLASTIC





Bearing Number	Dimensions (mm)							
	d	D	B	C	S	S1	S2	G
SB202	15	47	22	12	6	16	4.5	M5*0.8
SB203	17	47	22	12	6	16	4.5	M5*0.8
SB204	20	47	25	14	7	18	4.5	M6*0.75
SB205	25	52	27	15	7.5	19.5	5.5	M6*0.75
SB206	30	62	30	16	8	22	6	M6*0.75
SB207	35	72	32	17	8.5	23.5	6.5	M8*1
SB208	40	80	34	18	9	25	7	M8*1
SB209	45	85	41.2	19	10.2	31	8.2	M8*1
SB210	50	90	43.5	20	10.9	32.6	9.2	M10*1.25

ΣΕΙΡΑ UC

STEEL-STAINLESS STEEL-PLASTIC

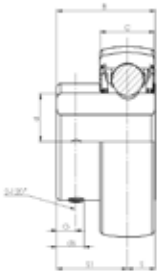


UC
ZZ

UC
2RS

UC
PLASTIC





Bearing Number	Dimensions (mm)							
	d	D	B	C	S	S1	S2	G
UC202	15	47	31	16	12.7	18.3	5	M6*0.75
UC203	17	47	31	16	12.7	18.3	5	M6*0.75
UC204	20	47	31	16	12.7	18.3	5	M6*0.75
UC205	25	52	34.1	17	14.3	19.8	5.5	M6*0.75
UC206	30	62	38.1	19	15.9	22.2	6	M6*0.75
UC207	35	72	42.9	20	17.5	25.4	6.5	M8*1
UC208	40	80	49.2	21	19	30.2	8	M8*1
UC209	45	85	49.2	22	19	30.2	8	M8*1
UC210	50	90	51.6	24	19	32.6	9	M10*1.25

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

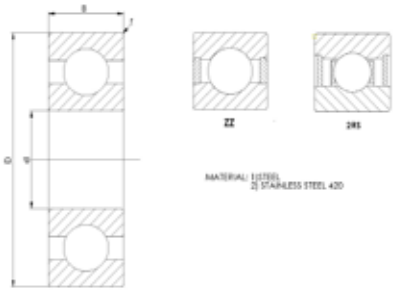
POYΛEMAN ΜΟΝΟΣΦΑΙΡΑ/DEEP GROOVE BEARINGS

ΣΕΙΡΑ 6000-6200-6300-6900

STEEL-STAINLESS STEEL



Απλά-2RS-ZZ



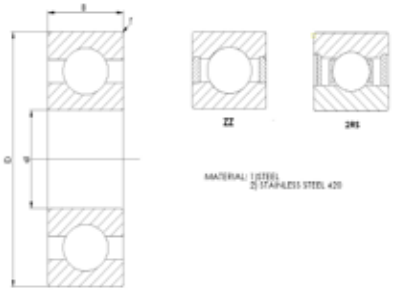
Bearing Number	Dimensions (mm)				Basic Load Ratings (KN)		Limiting Speeds (rpm)		Mass (kg)
	d	D	B	r	Cr	Cor	Grease	Oil	
6000	10	26	8	0.3	4.55	1.96	29000	34000	0.019
6200		30	9	0.6	5.1	2.39	25000	30000	0.032
6300		35	11	0.6	8.2	3.5	23000	27000	0.053
6900		22	6	0.3	2.7	1.27	30000	36000	0.009
6001	12	28	8	0.3	5.1	2.39	26000	30000	0.021
6201		32	10	0.6	6.1	2.75	22000	26000	0.037
6301		37	12	1	9.7	4.2	20000	24000	0.06
6901		24	6	0.3	2.89	1.46	27000	32000	0.011
6002	15	32	9	0.3	5.6	2.83	22000	26000	0.03
6202		35	11	0.6	7.75	3.6	19000	23000	0.45
6302		42	13	1	11.4	5.45	17000	21000	0.082
6902		28	7	0.3	3.65	2	24000	28000	0.016
6003	17	35	10	0.3	6.8	3.35	20000	24000	0.039
6203		40	12	0.5	9.6	4.6	18000	21000	0.066
6303		47	14	0.5	13.5	6.55	16000	19000	0.115
6903		30	7	0.3	4.65	2.58	22000	26000	0.018
6004	20	42	12	0.6	9.4	5.05	18000	21000	0.069
6204		47	14	1	12.8	6.65	16000	18000	0.106
6304		52	15	1.1	15.9	7.9	14000	17000	0.1417
6904		37	9	0.3	6.4	3.7	19000	23000	0.036
6005	25	47	12	0.6	10.1	5.85	15000	18000	0.08
6205		52	15	1	14	7.85	13000	15000	0.128
6305		62	17	1.1	21.2	10.9	12000	14000	0.2193
6905		42	9	0.3	7.05	4.55	16000	19000	0.042
6006	30	55	13	1	13.2	8.3	13000	15000	0.116
6206		62	16	1	19.5	11.3	11000	13000	0.199
6306		72	19	1.1	26.7	15	10000	12000	0.3498
6906		47	9	0.3	7.25	5	14000	17000	0.048
6007	35	62	14	1	16	10.3	12000	14000	0.155
6207		72	17	1.1	25.7	15.3	9800	11000	0.288
6307		80	21	1.5	33.5	19.1	8800	10000	0.4542
6907		55	10	0.6	9.55	6.85	12000	15000	0.074
6008	40	68	15	1	16.8	11.5	10000	12000	0.19
6208		80	18	1.1	29.1	17.8	8700	10000	0.366
6308		90	23	1.5	40.5	24	7800	9200	0.6394
6908		62	12	0.6	12.2	8.9	11000	13000	0.11

ΡΟΥΛΕΜΑΝ ΜΟΝΟΣΦΑΙΡΑ/ DEEP GROOVE BEARINGS

ΣΕΙΡΑ 6000-6200-6300-6900

STEEL-STAINLESS STEEL



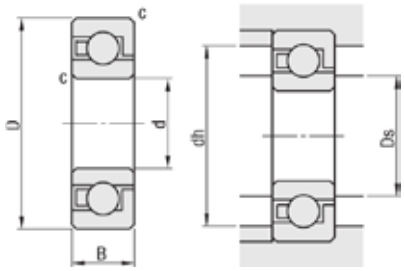


Bearing Number	Dimensions (mm)				Basic Load Ratings (KN)		Limiting Speeds (rpm)		Mass (kg)
	d	D	B	r	Cr	Cor	Grease	Oil	
6009	45	75	16	1	21	15.1	9200	11000	0.237
6209		85	19	1.1	32.5	20.4	7800	9200	0.398
6309		100	25	1.5	53	32	7000	8200	0.8363
6909		68	12	0.6	13.1	10.4	9800	12000	0.128
6010	50	80	16	1	21.8	16.6	8400	9800	0.261
6210		90	20	1.1	35	23.2	7100	8300	0.454
6310		110	27	2	62	38.5	6400	7500	1.0822
6910		72	12	0.6	13.4	11.2	8900	11000	0.132
6011	55	90	18	1.1	28.3	21.2	7700	9000	0.388
6211		100	21	1.5	43.5	29.2	6400	7600	0.601
6311		120	29	2	71.5	45	5800	6800	1.3676
6911		80	13	1	16	13.3	8200	9600	0.18
6012	60	95	18	1.1	29.5	23.2	7000	8300	0.414
6212		110	22	1.5	52.5	36	6000	7000	0.783
6312		130	31	2.1	82	52	5400	6300	1.7095
6912		85	13	1	16.4	14.3	7600	8900	0.193

ΣΕΙΡΑ 6000-6200-6300-6900

PLASTIC





Bearing Number	Dimensions (mm)				Basic Load Ratings (KN)		
					Ds		Dh
	d	D	B	c	min	max	max
6000	10	26	8	0.3	12	13,8	24
6200		30	9			15,3	28
6900		22	6			12,6	21
6001	12	28	8		14	15,5	26
6201		32	10			16,3	30
6901		24	6			14,8	21
6002	15	32	9		17	18,6	30
6202		35	11			19,4	33
6902		28	7			18,2	26
6003	17	35	10		19	21	33
6203		40	12			22,6	38
6903		30	7			20	28
6004	20	42	12	0,5	22	25	28
6204		47	14	0,3		26,5	43
6904		37	9			23,6	35

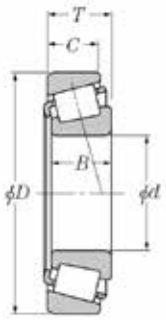
www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

POYΛEMAN BEΛONΩN / NEEDLE BEARINGS

ΚΩΝΙΚΑ ΣΕΙΡΑ 30200

STEEL





Bearing Number	Dimensions (mm)							Basic Load Ratings (KN)		Limiting Speeds (rpm)		Mass (kg)
	d	D	T	B	C	r	r1	Cr	Cor	Grease	Oil	
30203	17	40	13.25	12	11	1	1	20.5	20.3	2090	2070	0.08
30204	20	47	15.25	14	12	1	1	28.2	28.7	2870	2930	0.127
30205	25	52	16.25	15	13	1	1	31.5	34	3100	3450	0.154
30206	30	62	17.25	16	14	1	1	43.5	48	4450	4900	0.241
30207	35	72	18.25	17	15	1.5	1.5	55.5	61.5	5650	6250	0.344
30208	40	80	19.75	18	16	1.5	1.5	79.5	103	6250	6850	0.435
30209	45	85	20.75	19	16	1.5	1.5	67.5	78.5	6900	8000	0.495
30210	50	90	21.75	20	17	1.5	1.5	77	93	7850	9450	0.563
30212	60	110	23.75	22	19	2	1.5	105	125	10700	12700	0.949

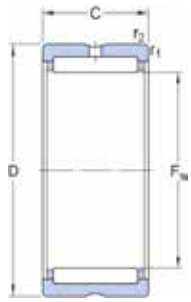
NEEDLE

STEEL



NK1212

Fw 12 mm	Diameter under rollers
D 19 mm	Outside diameter
C 12 mm	Width
r1,2 min. 0.3 mm	Chamfer dimension outer ring



NK1216

Fw 12 mm	Diameter under rollers
D 19 mm	Outside diameter
C 16 mm	Width
r1,2 min. 0.3 mm	Chamfer dimension outer ring



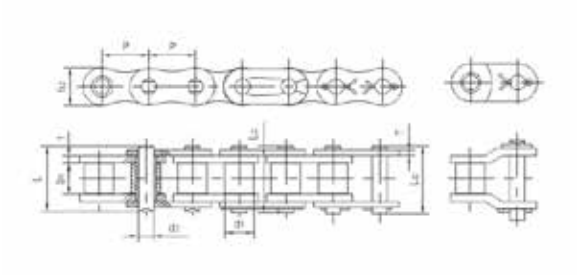


ΜΕΤΑΛΛΙΚΕΣ ΚΑΔΕΝΕΣ/ CHAINS

ΣΕΙΡΑ Β ΜΟΝΕΣ/B SIMPLEX STEEL – STAINLESS STEEL







Chain Type	Pitch	Width between inner plates	Roller	Pin	Pin length	Max add length of connecting link	Total width inner link	Plate thickness	Height inner plate	Min. tensile strength	Avg. tensile strength	Weight per meter	Bearing area
ISO	P mm	b1 min. mm	d1 max. mm	d2 max. mm	d4 max. mm	b7 max mm	b2 max mm	Ti/To mm	h2 max mm	FU kN	FB kN	q kg/m	f cm^3
04B-1	6	2.8	4	1.85	6.8	2.5	4.15	0.6/0.6	5	3	3.1	0.12	0.08
05B-1	8	3	5	2.31	8.6	3.1	4.77	0.8/0.8	7.11	4.4	6.3	0.2	0.11
06B-1	9.525	5.72	6.35	3.28	13.5	3.3	8.53	1.3/1.3	8.26	8.9	12.7	0.41	0.28
08B-1	12.7	7.75	8.51	4.45	17	3.9	11.3	1.6/1.6	11.81	17.8	19.6	0.69	0.5
10B-1	15.875	9.65	10.16	5.08	19.6	4.1	13.28	1.7/1.7	14.73	22.2	27.5	0.93	0.67
12B-1	19.05	11.68	12.07	5.72	22.7	4.6	15.62	1.85/1.85	16.13	28.9	33.3	1.15	0.89
16B-1	25.4	17.02	15.88	8.28	36.1	5.4	25.45	4.15/3.1	21.08	60	75.0	2.71	2.1
20B-1	31.75	19.56	19.05	10.19	43.2	6.1	29.01	4.5/3.5	26.42	95	101.8	3.7	2.96
24B-1	38.1	25.4	25.4	14.63	53.4	6.6	37.92	6/4.8	33.4	160	176	7.1	5.54
28B-1	44.45	30.99	27.94	15.9	65.1	7.4	46.58	7.5/6	37.08	200	215.6	8.5	7.4
32B-1	50.8	30.99	29.21	17.81	67.4	7.9	49.57	7/6	42.29	250	280.3	10.25	8.11
40B-1	63.5	38.1	39.37	22.89	82.6	10.2	55.75	8.5/8	52.96	355	392	16.35	12.75
48B-1	76.2	45.72	48.26	29.24	99.1	10.5	70.56	12/10	63.88	560	599.2	25	20.61
56B-1	88.9	53.34	53.98	34.32	114.6	11.7	81.33	13.5/12	77.85	850	940	35.78	27.9
64B-1	101.6	60.96	63.5	39.4	130.9	13	92.02	15/13	90.17	1120	1240	46	36.25
72B-1	114.3	68.58	72.39	44.48	147.4	14.3	103.81	17/15	103.63	1400	1540	60.8	46.19

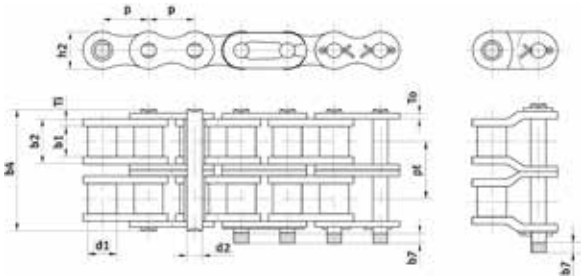
ΜΕΤΑΛΛΙΚΕΣ ΚΑΔΕΝΕΣ

ΣΕΙΡΑ Β ΔΙΠΛΕΣ/B DUPLEX

STEEL – STAINLESS STEEL







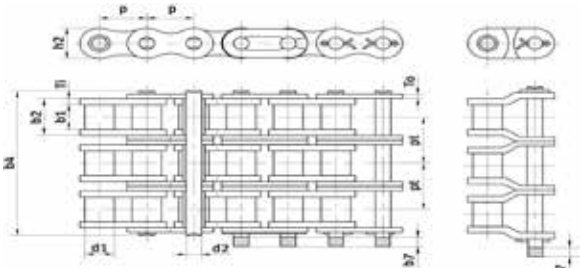
Chain Type	Pitch	Width between inner plates	Roller	Pin	Pin length	Max add length of connect-ing link	Total width inner link	Plate thick-ness	Height inner plate	Trans-verse pitch	Min. tensile strength	Avg. tensile strength	Weight per meter	Bear-ing area
ISO	P mm	b1 min. mm	d1 max. mm	d2 max. mm	d4 max. mm	b7 max mm	b2 max mm	Ti/To mm	h2 max mm	pt mm	FU kN	FB kN	q kg/m	f cm^3
04B-2	6	2.8	4	1.85	12.3	2.5	4.15	0,60/0,60	5	5.5	5	5.8	0.24	0.16
05B-2	8	3	5	2.31	14.3	3.1	4.77	0,80/0,80	7.11	5.64	7.8	10.2	0.33	0.22
06B-2	9.525	5.72	6.35	3.28	23.8	3.3	8.53	1,30/1,30	8.26	10.24	16.9	18.1	0.77	0.56
08B-2	12.7	7.75	8.51	4.45	31	3.9	11.3	1,60/1,60	11.81	13.92	31.1	37.4	1.34	1.01
10B-2	15.875	9.65	10.16	5.08	36.2	4.1	13.28	1,70/1,70	14.73	16.59	44.5	54.2	1.84	1.34
12B-2	19.05	11.68	12.07	5.72	42.2	4.6	15.62	1,85/1,85	16.13	19.46	57.8	66.6	2.31	1.79
16B-2	25.4	17.02	15.88	8.28	68	5.4	25.45	4,15/3,10	21.08	31.88	106	126.5	5.42	4.21
20B-2	31.75	19.56	19.05	10.19	79.7	6.1	29.01	4,50/3,50	26.42	36.45	170	210	7.2	5.91
24B-2	38.1	25.4	25.4	14.63	101.8	6.6	37.92	6,00/4,80	33.4	48.36	280	305.5	13.4	11.09
28B-2	44.45	30.99	27.94	15.9	124.7	7.4	46.58	7,50/6,00	37.08	59.56	360	390.5	16.6	14.79
32B-2	50.8	30.99	29.21	17.81	126	7.9	45.57	7,00/6,00	42.29	58.55	450	487.5	21	16.21
40B-2	63.5	38.1	39.37	22.89	154.9	10.2	55.75	8,50/8,00	52.96	72.29	630	680.2	32	25.5
48B-2	76.2	45.72	48.26	29.24	190.4	10.5	70.56	12,00/10,00	63.88	91.21	1000	1070	50	41.23
56B-2	88.9	53.34	53.98	34.32	221.2	11.7	81.33	13,50/12,00	77.85	106.6	1600	1760	71.48	55.8
64B-2	101.6	60.96	63.5	39.4	250.8	13	92.02	15,00/13,00	90.17	119.89	2000	2200	91	72.5
72B-2	114.3	68.58	72.39	44.48	283.7	14.3	103.81	17,00/15,00	103.63	136.27	2500	2750	120.4	92.4

ΜΕΤΑΛΛΙΚΕΣ ΚΑΔΕΝΕΣ

ΣΕΙΡΑ Β ΤΡΙΠΛΕΣ/B TRIPLEX STEEL-STAINLESS STEEL







Chain Type	Pitch	Width between inner plates	Roller	Pin	Pin length	Max add length of connect-ing link	Total width inner link	Plate thickness	Height inner plate	Trans-verse pitch	Min. tensile strength	Avg. tensile strength	Weight per meter	Bearing area
ISO	P mm	b1 min. mm	d1 max. mm	d2 max. mm	d4 max. mm	b7 max mm	b2 max mm	Ti/To mm	h2 max mm	pt mm	FU kN	FB kN	q kg/m	f cm^3
05B-3	8	3	5	2.31	19.9	3.1	4.77	0,80/0,80	7.11	5.64	11.1	13.8	0.48	0.33
06B-3	9.525	5.72	6.35	3.28	34	3.3	8.53	1,30/1,30	8.26	10.24	24.9	29.8	1.16	0.84
08B-3	12.7	7.75	8.51	4.45	44.9	3.9	11.3	1,60/1,60	11.81	13.92	44.5	50.2	2.03	1.51
10B-3	15875	9.65	10.16	5.08	52.8	4.1	13.28	1,70/1,70	14.73	16.59	66.7	79.8	2.77	2.02
12B-3	19.05	11.68	12.07	5.72	61.7	4.6	15.62	1,85/1,85	16.13	19.46	86.7	101.8	3.46	2.68
16B-3	25.4	17.02	15.88	8.28	99.9	5.4	25.45	4,15/3,10	21.08	31.88	160	190	8.13	6.31
20B-3	31.75	19.56	19.05	10.19	116.1	6.1	29.01	4,50/3,50	26.42	36.45	250	276.2	10.82	8.87
24B-3	38.1	25.4	25.4	14.63	150.2	6.6	37.92	6,00/4,80	33.4	48.36	425	480	20.1	16.63
28B-3	44.45	30.99	27.94	15.9	184.3	7.4	46.58	7,50/6,00	37.08	59.56	530	580	24.92	22.18
32B-3	50.8	30.99	29.21	17.81	184.5	7.9	45.57	7,00/6,00	42.29	58.55	670	720.2	31.56	24.31
40B-3	63.5	38.1	39.37	22.89	227.2	10.2	55.75	8,50/8,00	52.96	72.29	950	1020	48.1	38.25
48B-3	76.2	45.72	48.26	29.24	281.6	10.5	70.56	12,00/10,00	63.88	91.21	1500	1590	75	61.84
56B-3	88.9	53.34	53.98	34.32	327.8	11.7	81.33	13,50/12,00	77.85	106.6	2240	2460	107.18	83.71
64B-3	101.6	60.96	63.5	39.4	370.7	13	92.02	15,00/13,00	90.17	119.89	3000	3300	136	108.74
72B-3	114.3	68.58	72.39	44.48	420	14.3	103.81	17,00/15,00	103.63	136.27	3750	4125	180	135.57



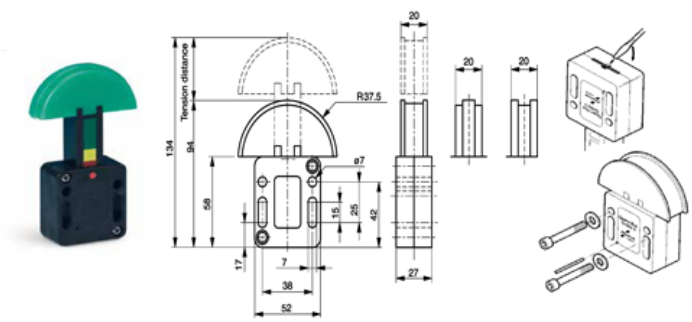
Συνδετήρας Αλυσίδας

Διαθέσιμο για όλα τα μεγέθη αλυσίδας



Μισόδοντο

Διαθέσιμο για όλα τα μεγέθη αλυσίδας



Tension Distance 40mm
Stainless Stell Screws & Springs

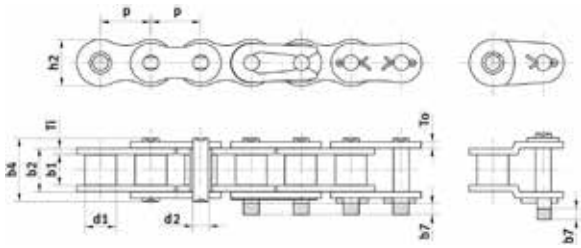
ΜΕΤΑΛΛΙΚΕΣ ΚΑΔΕΝΕΣ

ΣΕΙΡΑ A.S.A

STEEL



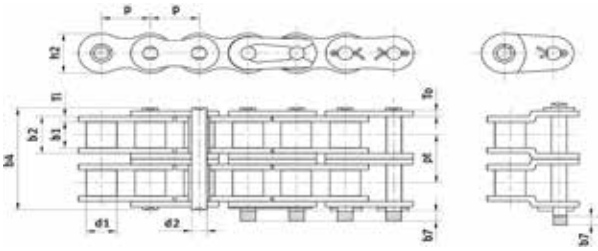




Chain Type	Pitch	Width between inner plates	Roller	Pin	Pin length	Max add length of connect-ing link	Total width inner link	Plate thick-ness	Height inner plate	Min. tensile strength	Avg. tensile strength	Weight per meter	Bear-ing area
ANSI	P mm	b1 min. mm	d1 max. mm	d2 max. mm	d4 max. mm	b7 max mm	b2 max mm	Ti/To mm	h2 max mm	FU kN	FB kN	q kg/m	f cm^3
25-1 1	6.35	3.1	3.3	2.31	9.1	2.5	4.8	0,80/0,80	6.02	3.5	4.4	0.15	0.11
35-1 1	9.525	4.68	5.08	3.6	13.2	3.3	7.46	1,30/1,00	9.05	7.9	10.4	0.33	0.27
40-1	12.7	7.85	7.92	3.98	17.8	3.9	11.17	1,50/1,50	12.07	13.9	17.8	0.62	0.43
50-1	15.875	9.4	10.16	5.09	21.8	4.1	13.84	2,00/2,00	15.09	21.8	28	1.02	0.69
60-1	19.05	12.57	11.91	5.96	26.9	4.6	17.75	2,40/2,40	18.1	31.3	39	1.5	1.05
80-1	25.4	15.75	15.88	7.94	33.5	5.4	22.6	3,10/3,10	24.13	55.6	71.5	2.6	1.77
100-1	31.75	18.9	19.05	9.54	41.1	6.1	27.45	4,00/4,00	30.17	87	102	3.91	2.58
120-1	38.1	25.22	22.23	11.11	50.8	6.6	35.45	4,80/4,80	36.2	125	156.9	5.62	3.89
140-1	44.45	25.22	25.4	12.71	54.9	7.4	37.18	5,60/5,60	42.23	170	210.8	7.5	4.64







Chain Type	Pitch	Width between inner plates	Roller	Pin	Pin length	Max add length of connect-ing link	Total width inner link	Plate thick-ness	Height inner plate	Trans-verse pitch	Min. tensile strength	Avg. tensile strength	Weight per meter	Bear-ing area
ANSI	P mm	b1 min. mm	d1 max. mm	d2 max. mm	d4 max. mm	b7 max mm	b2 max mm	Ti/To mm	h2 max mm	pt mm	FU kN	FB kN	q kg/m	f cm^3
25-1	6.35	3.1	3.3	2.31	9.1	2.5	4.8	0,80/0,80	6.02	6.4	4.4	0.15	0.11	0.11
35-1	9.525	4.68	5.08	3.6	13.2	3.3	7.46	1,30/1,00	9.05	10.13	10.4	0.33	0.27	0.27
40-1	12.7	7.85	7.92	3.98	17.8	3.9	11.17	1,50/1,50	12.07	14.38	17.8	0.62	0.43	0.43
50-1	15.875	9.4	10.16	5.09	21.8	4.1	13.84	2,00/2,00	15.09	18.11	28	1.02	0.69	0.69
60-1	19.05	12.57	11.91	5.96	26.9	4.6	17.75	2,40/2,40	18.1	22.78	39	1.5	1.05	1.05
80-1	25.4	15.75	15.88	7.94	33.5	5.4	22.6	3,10/3,10	24.13	29.29	71.5	2.6	1.77	1.77
100-1	31.75	18.9	19.05	9.54	41.1	6.1	27.45	4,00/4,00	30.17	35.76	102	3.91	2.58	2.58
120-1	38.1	25.22	22.23	11.11	50.8	6.6	35.45	4,80/4,80	36.2	45.44	156.9	5.62	3.89	3.89
140-1	44.45	25.22	25.4	12.71	54.9	7.4	37.18	5,60/5,60	42.23	48.87	210.8	7.5	4.64	4.64

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

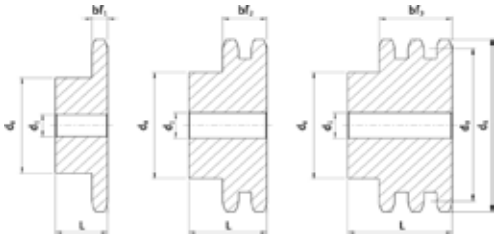
06B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 9,525 mm
Inner width: 5,72 mm
duplex: 15,4 mm

Tooth width simplex: 5,3 mm
Tooth width
Roller: ø 6,35 mm



Teeth	Pitch circle	Tip circle	Simplex (06B-1)				Duplex (06B-2)				Triplex (06B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	24.89	28.00	8	22	15	0.03	6	22	15	0.04	6	32	15	0.05
9	27.85	31.00	8	22	18	0.04	8	22	18	0.05	8	32	18	0.07
10	30.82	34.00	8	22	20	0.05	8	22	20	0.07	10	32	20	0.09
11	33.80	37.00	8	25	22	0.08	10	25	22	0.10	10	35	22	0.11
12	36.80	40.00	8	25	25	0.08	10	25	25	0.13	10	35	25	0.15
13	39.80	43.00	10	25	28	0.13	10	25	28	0.16	10	35	28	0.19
14	42.80	46.30	10	25	31	0.16	10	25	31	0.20	12	35	31	0.23
15	45.81	49.30	10	25	34	0.19	10	25	34	0.24	12	35	34	0.28
16	48.82	52.30	10	28	37	0.24	12	30	37	0.27	12	35	37	0.33
17	51.83	55.30	10	28	40	0.28	12	30	40	0.32	12	35	40	0.39
18	54.85	58.30	10	28	43	0.33	12	30	43	0.38	12	35	43	0.45
19	57.87	61.30	10	28	45	0.36	12	30	46	0.42	12	35	46	0.51
20	60.89	64.30	10	28	46	0.39	12	30	49	0.48	12	35	49	0.58
21	63.91	68.00	12	28	48	0.42	12	30	52	0.52	14	40	52	0.79
22	66.93	71.00	12	28	50	0.43	12	30	55	0.58	14	40	55	0.88
23	69.95	73.50	12	28	52	0.50	12	30	58	0.64	14	40	58	0.87
24	72.97	77.00	12	28	54	0.54	12	30	61	0.71	14	40	61	1.07
25	76.00	80.00	12	28	57	0.60	12	30	64	0.79	14	40	64	1.06
26	79.02	83.00	12	28	60	0.67	12	30	67	0.87	14	40	67	1.17
27	82.04	86.00	12	28	60	0.73	12	30	70	0.94	14	40	70	1.38
28	85.07	89.00	12	28	60	0.80	12	30	73	1.03	14	40	73	1.49
29	88.09	92.00	12	28	60	0.88	12	30	76	1.11	14	40	76	1.50
30	91.12	94.70	12	30	60	0.68	12	30	79	1.20	14	40	79	1.62
31	94.15	98.30	14	30	65	0.97	16	30	80	1.27	16	40	80	1.72
32	97.17	101.30	14	30	65	0.99	16	30	80	1.32	16	40	80	1.80
33	100.20	104.30	14	30	65	1.00	16	30	80	1.37	16	40	80	1.89
34	103.23	107.30	14	30	65	1.03	16	30	80	1.43	16	40	85	2.06
35	106.26	110.40	14	30	65	1.05	16	30	80	1.49	16	40	85	2.15
36	109.29	113.40	16	30	70	1.07	16	30	90	1.70	16	40	90	2.33
37	112.32	116.40	16	30	70	1.09	16	30	90	1.76	16	40	90	2.43
38	115.34	119.50	16	30	70	1.11	16	30	90	1.81	16	40	90	2.53
39	118.37	122.50	16	30	70	1.13	16	30	90	1.88	16	40	90	2.63
40	121.40	125.50	16	30	70	1.16	16	30	90	1.95	16	40	90	2.74
45	136.54	140.70	16	35	78	1.66	20	50	88	3.15	20	60	88	4.15
57	172.91	176.90	20	35	78	1.96	20	50	88	4.16	25	60	88	5.94
76	230.49	234.90	20	35	78	2.67	25	50	88	6.07	25	60	88	9.26
95	288.08	292.50	25	40	88	4.06	25	50	108	9.76	25	60	120	15.18

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

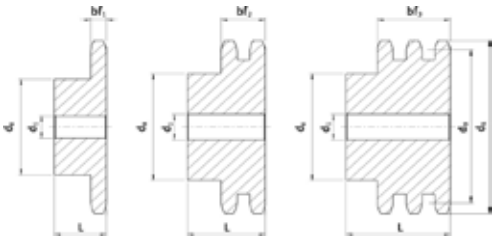
08B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 12,7 mm
Inner width: 7,75 mm
Roller: ø 8,51 mm

Tooth width simplex: 7,2 mm
Tooth width duplex: 21,0 mm
Tooth width triplex: 34,9 mm





Teeth	Pitch circle	Tip circle	Simplex (08B-1)				Duplex (08B-2)				Triplex (08B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	33.18	37.20	10	25	20	0.06	10	32	20	0.09	10	46	20	0.13
9	37.13	41.00	10	25	24	0.09	10	32	24	0.13	12	46	24	0.18
10	41.10	45.20	10	25	26	0.09	10	32	28	0.18	12	46	28	0.24
11	45.07	48.70	10	25	29	0.12	12	35	32	0.24	14	50	32	0.31
12	49.07	53.00	10	28	33	0.16	12	35	35	0.3	14	50	35	0.39
13	53.06	57.40	10	28	37	0.20	12	35	38	0.36	14	50	38	0.49
14	57.07	61.80	10	28	41	0.24	12	35	42	0.44	14	50	42	0.6
15	61.09	65.50	10	28	45	0.29	12	35	46	0.52	14	50	46	0.72
16	65.10	69.50	12	28	50	0.41	14	35	50	0.63	16	50	50	0.85
17	69.11	73.60	12	28	52	0.44	14	35	54	0.73	16	50	54	0.99
18	73.14	77.80	12	28	56	0.46	14	35	58	0.85	16	50	58	1.14
19	77.16	81.70	12	28	60	0.49	14	35	62	0.97	16	50	62	1.3
20	81.19	85.80	12	28	64	0.52	14	35	66	1.1	16	50	66	1.47
21	85.22	89.70	12	28	68	0.64	16	40	70	1.29	20	55	70	1.79
22	89.24	93.80	12	28	70	0.67	16	40	70	1.37	20	55	70	1.93
23	93.27	98.20	14	28	70	0.70	16	40	70	1.46	20	55	70	2.08
24	97.29	101.80	14	28	70	0.73	16	40	75	1.64	20	55	75	2.32
25	101.33	105.80	14	28	70	0.77	16	40	80	1.82	20	55	80	2.57
26	105.36	110.00	16	30	70	1.08	20	40	85	2.02	20	55	85	2.79
27	109.40	114.00	16	30	70	1.12	20	40	85	2.12	20	55	85	2.96
28	113.42	118.00	16	30	70	1.16	20	40	90	2.34	20	55	90	3.25
29	117.46	122.00	16	30	80	1.20	20	40	95	2.56	20	55	95	3.55
30	121.50	126.10	16	30	80	1.25	20	40	100	2.79	20	55	100	3.86
31	125.54	130.20	16	30	90	1.28	20	40	100	2.87	20	55	110	4.32
32	129.56	134.30	16	30	90	1.31	20	40	100	3	20	55	110	4.53
33	133.60	138.40	16	30	90	1.35	20	40	100	3.13	20	55	110	4.74
34	137.64	142.60	16	30	90	1.40	20	40	100	3.26	20	55	110	4.97
35	141.68	146.70	16	30	90	1.45	20	40	100	3.4	20	55	110	5.2
36	145.72	151.00	16	35	90	1.61	20	40	110	3.54	25	55	120	5.64
37	149.76	154.60	16	35	90	1.66	20	40	110	3.69	25	55	120	5.88
38	153.80	158.60	16	35	90	1.72	20	40	110	3.84	25	55	120	6.14
39	157.83	162.70	16	35	90	1.76	20	40	110	4	25	55	120	6.4
40	161.87	166.70	16	35	90	1.81	20	40	110	4.15	25	55	120	6.66
45	182.07	188.00	20	42	88	3.00	20	55	108	6.26	25	68	120	9.12
57	230.54	236.40	20	42	88	3.85	25	55	108	8.65	25	68	120	13.26
76	307.33	313.30	25	42	88	5.56	25	55	108	13.3	25	68	120	21.78
95	384.11	390.10	25	42	108	8.56	25	55	120	21.13	25	68	136	34

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

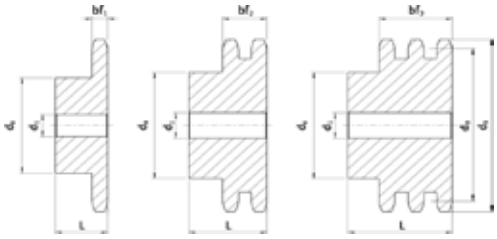
10B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 15.875 mm
Inner width: 9.65 mm
Roller: ø 10.16 mm

Tooth width simplex: 9.1 mm
Tooth width duplex: 25.5 mm
Tooth width triplex: 42.1mm



Teeth	Pitch circle	Tip circle	Simplex (10B-1)				Duplex (10B-2)				Triplex (10B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	41.48	47.00	10	25	25	0.12	12	40	25	0.09	12	55	25	0.27
9	46.42	52.60	10	25	30	0.16	12	40	30	0.13	12	55	30	0.38
10	51.37	57.50	10	25	35	0.18	12	40	35	0.18	16	55	35	0.47
11	56.34	63.00	12	30	37	0.26	14	40	39	0.24	16	55	39	0.61
12	61.34	68.00	12	30	42	0.32	14	40	44	0.30	16	55	44	0.78
13	66.32	73.00	12	30	47	0.40	14	40	49	0.36	16	55	49	0.96
14	71.34	78.00	12	30	52	0.49	14	40	54	0.44	16	55	54	1.15
15	76.36	83.00	12	30	57	0.58	14	40	59	0.52	16	55	59	1.37
16	81.37	88.00	12	30	60	0.74	16	45	64	0.63	16	60	64	1.72
17	86.39	93.00	12	30	60	0.78	16	45	69	0.73	16	60	69	1.99
18	91.42	98.30	14	30	70	0.83	16	45	74	0.85	16	60	74	2.27
19	96.45	103.30	14	30	70	0.93	16	45	79	0.97	16	60	79	2.58
20	101.49	108.40	14	30	75	1.05	16	45	84	1.10	16	60	84	2.91
21	106.52	113.40	16	30	75	1.15	16	45	85	1.29	20	60	85	3.12
22	111.55	118.00	16	30	80	1.21	16	45	90	1.37	20	60	90	3.48
23	116.58	123.40	16	30	80	1.27	16	45	95	1.46	20	60	95	3.86
24	121.62	128.30	16	30	80	1.33	16	45	100	1.64	20	60	100	4.58
25	126.66	134.00	16	30	80	1.39	16	45	105	1.82	20	60	105	4.67
26	131.70	139.00	20	35	85	1.81	20	45	110	2.02	20	60	110	5.10
27	136.75	144.00	20	35	85	1.88	20	45	110	2.12	20	60	110	5.43
28	141.78	148.70	20	35	90	1.98	20	45	115	2.34	20	60	115	5.90
29	146.83	153.80	20	35	90	2.06	20	45	115	2.56	20	60	115	6.64
30	151.87	158.80	20	35	90	2.10	20	45	120	2.79	20	60	120	6.65
31	156.92	163.90	20	35	95	2.19	20	45	120	2.87	20	60	120	7.18
32	161.95	168.90	20	35	95	2.27	20	45	120	3.00	20	60	120	7.56
33	167.00	174.50	20	35	95	2.31	20	45	120	3.13	20	60	120	7.97
34	172.05	179.00	20	35	95	2.45	20	45	120	3.26	20	60	120	8.36
35	177.10	184.10	20	35	95	2.54	20	45	120	3.40	20	60	120	8.74
36	182.15	189.10	20	35	100	2.63	20	45	120	3.54	25	60	120	9.15
37	187.20	194.20	20	35	100	2.72	20	45	120	3.69	25	60	120	9.61
38	192.24	199.20	20	35	100	2.81	20	45	120	3.84	25	60	120	10.08
39	197.29	204.20	20	35	100	2.95	20	45	120	4.00	25	60	120	10.57
40	202.34	209.30	20	35	100	3.10	20	45	120	7.55	25	60	120	11.07
45	227.58	236.00	20	43	108	5.09	25	59	120	10.32	25	74	136	15.70
57	288.18	296.60	25	43	108	6.66	25	59	120	15.74	25	74	136	22.56
76	384.16	392.10	25	43	120	10.28	25	59	120	25.42	30	75	136	40.25
95	480.14	488.50	30	58	145	16.36	30	58	145	38.90	30	75	145	55.35

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

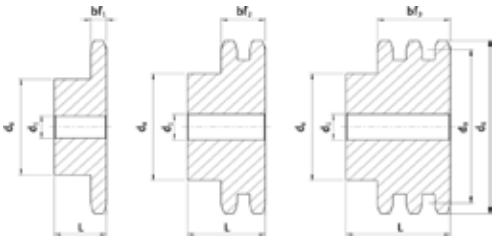
12B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 19.05mm
Inner width: 11.68 mm
Roller: ø 12.07 mm

Tooth width simplex: 11.1 mm
Tooth width duplex: 30.3 mm
Tooth width triplex: 49.8 mm



Teeth	Pitch circle	Tip circle	Simplex (12B-1)				Duplex (12B-2)				Triplex (12B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	49.78	57.60	12	30	31	0.12	12	45	31	0.31	16	65	31	0.48
9	55.70	62.00	12	30	37	0.25	12	45	37	0.44	16	65	37	0.64
10	61.64	69.00	12	30	42	0.31	12	45	42	0.59	16	65	42	0.86
11	67.61	75.00	14	35	46	0.46	16	50	47	0.81	20	70	47	1.09
12	73.60	81.50	14	35	52	0.58	16	50	53	1.02	20	70	53	1.39
13	79.59	87.50	14	35	58	0.72	16	50	59	1.25	20	70	59	1.72
14	85.61	93.60	14	35	64	0.86	16	50	65	1.46	20	70	65	2.08
15	91.63	99.80	14	35	70	1.03	16	50	71	1.74	20	70	71	2.47
16	97.65	105.50	16	35	75	1.31	20	50	77	2.03	20	70	77	2.89
17	103.67	111.50	16	35	80	1.38	20	50	83	2.36	20	70	83	3.34
18	109.71	118.00	16	35	80	1.46	20	50	89	2.70	20	70	89	3.83
19	115.75	124.20	16	35	80	1.54	20	50	95	3.07	20	70	95	4.35
20	121.78	129.70	16	35	80	1.63	20	50	100	3.43	20	70	100	4.87
21	127.82	136.00	20	40	90	2.18	20	50	100	3.69	20	70	100	5.20
22	133.86	141.80	20	40	90	2.28	20	50	100	3.97	20	70	100	5.65
23	139.90	149.00	20	40	90	2.38	20	50	110	4.51	20	70	110	6.38
24	145.94	153.90	20	40	90	2.49	20	50	110	4.81	20	70	110	6.87
25	152.00	160.00	20	40	90	2.60	20	50	120	5.41	20	70	120	7.77
26	158.04	165.90	20	40	95	2.87	20	50	120	6.13	20	70	120	8.21
27	164.09	172.30	20	40	95	3.01	20	50	120	6.08	20	70	120	8.77
28	170.13	178.00	20	40	95	3.12	20	50	120	6.43	20	70	120	9.35
29	176.19	184.10	20	40	95	3.26	20	50	120	6.80	20	70	120	9.96
30	182.25	190.50	20	40	95	3.53	20	50	120	7.19	20	70	120	10.59
31	188.31	196.30	20	40	100	3.71	20	50	130	8.34	25	70	130	11.55
32	194.35	203.30	20	40	100	3.87	20	50	130	8.00	25	70	130	12.22
33	200.40	209.30	20	40	100	3.98	20	50	130	8.42	25	70	130	12.92
34	206.46	214.60	20	40	100	4.10	20	50	130	8.86	25	70	130	13.64
35	212.52	221.00	20	40	100	4.22	20	50	130	9.31	25	70	130	14.38
36	218.58	226.80	20	40	100	4.32	25	50	130	9.71	25	70	130	15.14
37	224.64	232.90	20	40	100	4.51	25	50	130	10.19	25	70	130	15.93
38	230.69	239.00	20	40	100	4.74	25	50	130	10.78	25	70	130	16.73
39	236.75	245.10	20	40	100	4.91	25	50	130	11.19	25	70	130	17.57
40	242.81	251.30	20	40	100	5.04	25	50	130	12.60	25	70	130	18.42
45	273.10	282.50	25	61	118	8.85	25	62	136	16.35	25	72	140	23.55
57	345.81	355.40	25	61	118	11.85	25	62	136	24.43	30	75	140	37.88
76	460.99	469.90	30	61	118	17.97	30	63	145	42.56	30	75	150	65.41
95	576.17	586.20	30	62	133	27.45	30	63	145	63.79	30	75	150	101.37

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

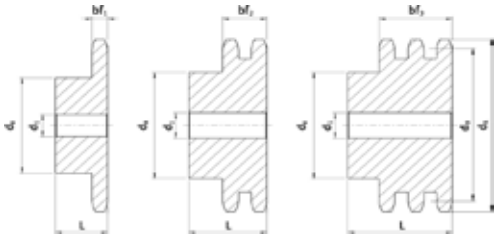
16B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 25.4 mm
Inner width: 17.02 mm
Roller: ø 15.88 mm

Tooth width simplex: 16.2 mm
Tooth width duplex: 47.7 mm
Tooth width triplex: 79.6mm





Teeth	Pitch circle	Tip circle	Simplex (16B-1)				Duplex (16B-2)				Triplex (16B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	66.37	77.00	16	35	42	0.47	16	65	42	0.81	20	95	42	1.15
9	74.27	85.00	16	35	50	0.66	16	65	50	1.15	20	95	50	1.68
10	82.19	93.00	16	35	55	0.80	16	65	56	1.52	20	95	56	2.24
11	90.14	99.50	16	40	61	1.08	20	70	64	2.08	25	100	64	2.86
12	98.14	109.00	16	40	69	1.35	20	70	72	2.60	25	100	72	4.59
13	106.12	117.00	16	40	78	1.71	20	70	80	3.18	25	100	80	4.45
14	114.15	125.00	16	40	84	2.06	20	70	88	3.82	25	100	88	5.37
15	122.17	133.00	16	40	92	2.44	20	70	96	4.51	25	100	96	6.37
16	130.20	141.00	20	45	100	3.16	20	70	104	5.17	30	100	104	7.45
17	138.22	149.00	20	45	100	3.35	20	70	112	5.98	30	100	112	8.60
18	146.28	157.00	20	45	100	3.56	20	70	120	6.84	30	100	120	9.84
19	154.33	165.20	20	45	100	3.77	20	70	128	7.76	30	100	128	11.16
20	162.38	173.20	20	45	100	4.02	20	70	130	8.52	30	100	130	12.36
21	170.43	181.20	20	50	110	4.93	25	70	130	9.24	30	100	130	13.56
22	178.48	189.30	20	50	110	5.20	25	70	130	10.00	30	100	130	16.04
23	186.53	197.50	20	50	110	5.47	25	70	130	10.80	30	100	130	16.15
24	194.59	205.50	20	50	110	5.74	25	70	130	11.64	30	100	130	17.53
25	202.66	213.50	20	50	110	6.03	25	70	130	12.52	30	100	130	18.99
26	210.72	221.60	20	50	120	6.65	25	70	130	13.43	30	100	130	21.90
27	218.79	229.60	20	50	120	7.10	25	70	130	14.38	30	100	130	23.50
28	226.85	237.70	20	50	120	7.45	25	70	130	15.38	30	100	130	25.19
29	234.92	245.80	20	50	120	8.00	25	70	130	16.41	30	100	130	26.94
30	243.00	254.00	20	50	120	8.38	25	70	130	17.48	30	100	130	27.05
31	251.08	262.00	25	50	120	8.69	25	70	140	18.96	30	100	140	29.23
32	259.13	270.00	25	50	120	9.09	25	70	140	20.10	30	100	140	31.13
33	267.21	278.50	25	50	120	9.50	25	70	140	21.29	30	100	140	33.10
34	275.28	287.00	25	50	120	9.93	25	70	140	22.21	30	100	140	35.13
35	283.36	296.20	25	50	120	10.36	25	70	140	23.77	30	100	140	37.23
36	291.44	304.60	25	50	120	10.81	25	70	140	25.07	30	100	140	39.39
37	299.51	312.60	25	50	120	11.28	25	70	140	26.41	30	100	140	42.50
38	307.59	320.70	25	50	120	11.76	25	70	140	27.79	30	100	140	43.90
39	315.67	328.80	25	50	120	12.25	25	70	140	29.20	30	100	140	45.50
40	323.73	336.90	25	50	120	12.75	25	70	140	30.65	30	100	140	48.67
45	364.12	377.90	25	68	133	18.15	25	70	140	40.48	30	110	160	65.23
57	461.07	474.90	30	68	133	25.52	40	82	160	63.45	40	112	160	106.09
76	614.65	628.40	30	68	145	44.39	40	109	160	110.79	40	112	160	181.86
95	768.22	782.00	30	78	160	63.92	40	109	160	178.48	40	112	160	280.00

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

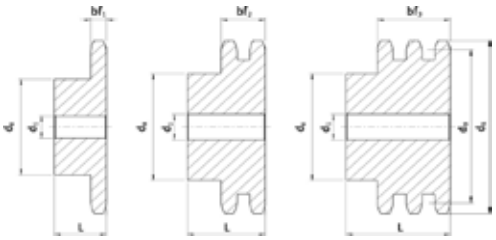
20B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 31.75 mm
Inner width: 19.56 mm
Roller: ø 19.05 mm

Tooth width simplex: 18.5 mm
Tooth width duplex: 54.6 mm
Tooth width triplex: 91 mm



Teeth	Pitch circle	Tip circle	Simplex (20B-1)				Duplex (20B-2)				Triplex (20B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	82.96	98.10	20	40	53	0.85	20	75	53	1.58	20	110	53	2.15
9	92.84	108.00	20	40	63	1.19	20	75	63	2.19	20	110	63	3.05
10	102.74	117.90	20	40	70	1.51	20	75	70	2.85	20	110	70	4.04
11	112.68	127.80	20	45	77	2.04	20	80	80	3.72	20	115	80	5.19
12	122.68	137.80	20	45	88	2.58	20	80	90	4.66	20	115	90	6.55
13	132.65	147.80	20	45	98	3.15	20	80	100	5.70	20	115	100	8.06
14	142.68	157.80	20	45	108	3.78	20	80	110	6.84	20	115	110	9.71
15	152.72	167.90	20	45	118	4.47	20	80	120	8.08	20	115	120	11.50
16	162.75	177.90	25	50	120	5.25	25	80	120	8.90	25	115	120	13.00
17	172.78	187.90	25	50	120	5.61	25	80	120	9.92	25	115	120	14.65
18	182.85	198.00	25	50	120	6	25	80	120	11.00	25	115	120	16.54
19	192.91	208.10	25	50	120	6.4	25	80	120	12.16	25	115	120	18.45
20	202.98	218.10	25	50	120	6.84	25	80	120	13.38	25	115	140	20.48
21	213.04	228.20	25	55	140	8.79	25	80	140	15.49	25	115	140	23.38
22	223.11	238.30	25	55	140	9.27	25	80	140	16.86	25	115	140	25.64
23	233.17	248.30	25	55	140	9.77	25	80	140	18.29	25	115	140	31.59
24	243.23	258.40	25	55	140	10.3	25	80	140	22.28	25	115	140	33.09
25	253.33	268.50	25	55	140	10.85	25	80	140	23.93	25	115	140	36.91
26	263.40	278.60	25	55	150	120.7	25	80	150	24.20	25	115	150	38.00
27	273.48	288.60	25	55	150	12.67	25	80	150	25.15	25	115	150	39.06
28	283.56	298.70	25	55	150	13.29	25	80	150	26.93	25	115	150	42.00
29	293.65	308.80	25	55	150	13.93	25	80	150	28.77	25	115	150	44.50
30	303.75	318.90	25	55	150	14.6	25	80	150	30.69	25	115	150	48.23
31	313.85	329.00	25	55	150	15.28	25	80	150	32.67	30	115	150	52.00
32	323.91	339.10	25	55	150	16	25	80	150	34.72	30	115	150	54.90
33	334.01	349.20	25	55	150	16.73	25	80	150	36.50	30	115	150	60.00
34	334.10	359.30	25	55	150	17.49	25	80	150	39.03	30	115	150	62.06
35	354.20	369.40	25	55	150	18.27	25	80	150	41.28	30	115	150	65.80
36	364.30	379.50	25	55	150	19.08	30	80	150	43.61	30	115	150	69.66
37	374.39	389.50	25	55	150	19.91	30	80	150	45.00	30	115	150	73.00
38	384.49	399.60	25	55	150	20.76	30	80	150	51.77	30	115	150	82.57
39	394.59	409.70	25	55	150	21.73	30	80	150	52.50	30	115	150	82.00
40	404.66	419.80	25	55	150	22.53	30	80	150	53.60	30	115	150	86.24
45	455.17	470.30	30	80	160	31.79	30	101	160	73.30	40	121	160	110.50
57	576.36	592.30	30	80	160	45.79	40	116	160	116.00	40	123	160	136.60
76	768.32	784.30	30	80	160	114.96	40	116	180	201.00	40	123	200	322.00
95	960.28	976.20	30	93	168	114.96	40	116	200	313.50	–	–	–	–

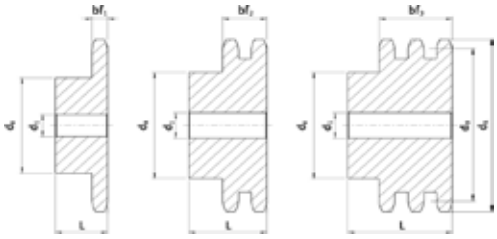
ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

24B ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 38.1 mm
Inner width: 25.4 mm
Roller: ø 25.4 mm

Tooth width simplex: 24.1 mm
Tooth width duplex: 72mm
Tooth width triplex: 120.3 mm



Teeth	Pitch circle	Tip circle	Simplex (24B-1)				Duplex (24B-2)				Triplex (24B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	99.55	115.00	20	45	58	1.38	25	95	58	2.70	25	140	58	4.00
9	111.40	126.40	20	45	70	1.90	25	95	70	3.79	25	140	70	5.62
10	123.29	138.00	20	45	80	2.47	25	95	80	5.00	25	140	80	7.45
11	135.21	150.00	25	50	90	3.27	25	100	90	6.62	25	150	90	9.73
12	147.22	162.00	25	50	102	4.09	25	100	102	8.28	25	150	102	12.24
13	159.18	174.20	25	50	114	5.00	25	100	114	10.13	25	150	114	15.02
14	171.22	186.20	25	50	128	6.09	25	100	128	12.24	25	150	128	18.16
15	183.26	198.20	25	50	140	6.84	25	100	140	14.08	25	150	140	21.09
16	195.30	210.30	25	55	140	8.20	25	100	140	18.95	25	150	140	24.25
17	207.34	222.30	25	55	140	8.87	25	100	150	17.80	25	150	150	27.42
18	219.42	234.30	25	55	140	9.59	25	100	160	21.08	25	150	160	32.12
19	231.49	246.50	25	55	140	10.36	25	100	160	23.26	25	150	160	35.74
20	243.57	258.60	25	55	140	11.16	25	100	160	28.96	25	150	160	39.57
21	255.65	270.60	25	60	150	13.35	25	100	160	28.01	30	150	160	42.98
22	267.73	282.70	25	60	150	14.24	25	100	160	30.59	30	150	160	47.25
23	279.80	294.80	25	60	150	15.18	25	100	160	33.29	30	150	160	51.74
24	291.88	306.80	25	60	150	16.16	25	100	160	39.95	30	150	160	56.50
25	304.00	319.00	25	60	150	17.19	25	100	160	43.06	30	150	160	61.37
26	316.08	331.00	30	60	160	18.25	30	100	160	43.50	30	150	160	66.50
27	328.19	343.20	30	60	160	19.37	30	100	160	45.50	30	150	160	71.88
28	340.27	355.20	30	60	160	20.52	30	100	160	49.00	30	150	160	77.45
29	352.38	367.30	30	60	160	21.72	30	100	160	52.30	30	150	160	83.50
30	364.50	379.50	30	60	160	22.97	30	100	160	55.88	30	150	160	89.28
32	388.69	403.70	30	60	160	25.59	30	100	170	63.00	40	150	170	101.97
33	400.81	415.80	30	60	160	26.96	30	100	170	67.10	40	150	170	108.00
34	412.93	427.80	30	60	160	28.38	30	100	170	71.20	40	150	170	115.00
35	425.04	440.00	30	60	160	29.84	30	100	170	75.50	40	150	170	122.60
36	437.16	452.00	30	60	160	31.34	30	100	170	79.90	40	150	170	130.00
37	449.27	464.20	30	60	160	32.90	30	100	170	84.43	–	–	–	–
38	461.39	476.20	30	60	160	38.28	30	100	170	95.04	40	150	170	145.28
40	485.62	500.60	30	60	160	41.75	30	100	170	98.80	40	150	170	161.46
45	546.20	562.00	30	99	168	54.08	40	133	180	132.50	40	153	200	209.00
57	691.63	707.50	30	99	168	83.94	40	133	180	210.00	40	153	200	337.60
76	921.98	939.00	40	118	178	140.54	40	133	180	374.00	40	155	200	608.00
95	1152.33	1169.00	40	118	178	210.50	–	–	–	–	–	–	–	–

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

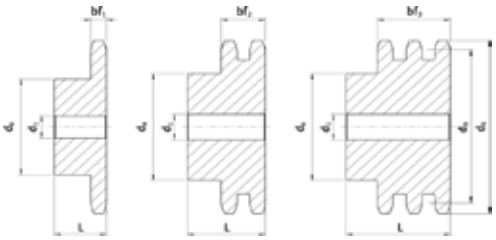
28B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 44.45 mm
Inner width: 30.99 mm
Roller: ø 27.94 mm

Tooth width simplex: 29.4 mm
Tooth width duplex: 88.4 mm
Tooth width triplex: 148.0 mm



Teeth	Pitch circle	Tip circle	Simplex (20B-1)				Duplex (20B-2)				Triplex (20B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	116.15	132.00	25	70	74	2.86	25	120	74	4.8	30	180	74	7.0
9	129.96	148.40	25	70	88	4.00	25	120	88	6.7	30	180	88	9.9
10	143.85	162.30	25	70	100	5.18	25	120	100	8.8	30	180	100	13.1
11	157.77	176.30	25	70	112	6.51	25	120	112	11.2	30	180	112	16.7
12	171.74	189.30	25	70	125	8.04	25	120	125	13.9	30	180	125	20.8
13	185.75	204.20	25	70	130	8.88	25	120	130	16.3	30	180	130	24.7
14	199.76	218.20	25	70	130	12.35	25	120	130	18.8	30	180	130	29.0
15	213.79	232.30	25	70	145	10.77	30	120	145	22.6	30	180	145	34.6
16	227.84	246.30	30	75	160	17.43	30	120	160	26.5	30	180	160	40.4
17	241.90	260.00	30	75	160	16.09	30	120	160	29.7	30	180	160	45.8
18	255.98	274.00	30	75	160	20.00	30	120	160	33.2	30	180	160	51.8
19	270.06	289.00	30	75	160	18.56	30	120	180	38.2	30	180	180	58.1
20	284.15	303.00	30	75	160	22.97	30	120	180	42.1	30	180	180	64.5
21	298.24	317.00	30	75	170	25.42	30	120	180	49.1	30	180	180	71.3
22	312.34	331.00	30	75	170	27.04	30	120	180	50.4	30	180	180	78.5
23	326.44	345.00	30	75	170	28.72	30	120	180	55.0	30	180	180	86.0
24	340.55	359.00	30	75	170	30.47	30	120	180	59.0	30	180	180	95.0
25	354.66	373.00	30	75	170	32.29	30	120	180	65.0	40	180	180	112.0
26	368.77	387.00	30	75	170	29.18	30	120	180	69.6	–	–	–	–
27	382.88	401.00	30	75	170	31.36	30	120	180	73.0	–	–	–	–
28	397.00	416.00	30	75	170	33.26	30	120	180	80.3	–	–	–	–
29	411.12	430.00	30	75	170	35.00	30	120	180	86.0	–	–	–	–
30	425.24	444.00	30	75	170	37.50	30	120	180	92.5	40	180	180	149.0
31	439.37	458.00	30	75	180	41.00	–	–	–	–	–	–	–	–
32	453.49	472.00	30	75	180	43.60	–	–	–	–	–	–	–	–
33	467.62	486.00	30	75	180	46.00	–	–	–	–	–	–	–	–
34	481.75	500.00	30	75	180	48.24	–	–	–	–	–	–	–	–
35	495.88	514.00	30	75	180	50.57	30	120	200	127.0	–	–	–	–
36	510.01	529.00	30	75	180	53.20	–	–	–	–	–	–	–	–
37	524.13	543.00	30	75	180	55.00	–	–	–	–	–	–	–	–
38	538.27	557.00	30	75	180	58.50	30	120	200	150.0	40	180	200	244.0
40	566.54	585.00	30	75	180	64.00	30	120	200	167.0	40	180	200	271.1
45	637.22	656.00	30	75	180	87.88	40	150	200	218.0	40	209	200	352.6
57	806.90	825.00	40	123	180	125.00	40	150	200	347.0	40	209	200	567.8
76	1075.62	1095.00	40	123	180	215.50	40	150	200	615.0	40	217	200	1025.0

ΓΡΑΝΑΖΙΑ ΠΛΗΜΝΗΣ

32B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

Pitch: 50.8 mm
Inner width: 30.99 mm
Roller: ø 29.21 mm

Tooth width simplex: 24.1 mm
Tooth width duplex: 72 mm
Tooth width triplex: 146.0 mm

Teeth	Pitch circle	Tip circle	Simplex (32B-1)				Duplex (32B-2)				Triplex (32B-3)			
			Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight	Pilot bore	Total Length	Hub	Weight
z	Φ d0	Φ dk	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg	Φ d1	L	Φ dn	kg
8	132.74	153.20	25	80	82	4.2	30	120	82	6.7	30	180	82	9.9
9	148.54	169.00	25	80	88	5.8	30	120	88	9.1	30	180	88	13.7
10	164.39	185.00	25	80	104	7.6	30	120	104	12.0	30	180	104	18.0
11	180.31	200.80	30	80	120	9.3	30	120	120	14.7	30	180	120	22.2
12	196.29	216.80	30	80	133	10.9	30	120	133	17.9	30	180	133	27.2
13	212.29	232.80	30	80	145	1.5	30	120	145	21.7	30	180	145	33.0
14	228.29	248.80	30	80	160	14.3	30	120	160	25.0	30	180	160	38.5
15	244.30	264.80	30	80	160	15.6	30	120	160	29.3	30	180	160	45.0
16	260.40	280.90	30	90	160	20.2	30	120	160	33.2	30	180	160	51.5
17	276.46	296.90	30	90	170	21.4	30	120	180	38.8	30	180	180	61.5
18	292.55	313.00	30	90	170	22.9	30	120	180	43.3	30	180	180	68.9
19	308.66	329.10	30	90	170	24.6	30	120	200	49.5	30	180	200	76.7
20	324.71	345.20	30	90	180	28.5	30	120	200	54.6	30	180	200	85.0
21	340.82	361.30	30	90	180	30.4	30	120	200	59.9	40	180	200	94.0
22	356.98	377.50	30	90	180	32.3	30	120	200	65.5	40	180	200	101.0
23	373.08	393.60	30	90	180	35.1	30	120	200	71.4	40	180	200	113.0
24	389.18	409.70	30	90	180	34.4	30	120	200	77.5	40	180	200	122.5
25	405.33	425.80	30	90	180	43.6	30	120	200	83.6	40	180	200	134.0
26	421.44	441.90	30	90	180	41.1	30	120	200	90.7	–	–	–	–
27	437.59	458.10	30	90	180	43.0	30	120	200	97.0	–	–	–	–
28	453.69	474.20	30	90	180	46.0	30	120	200	105.0	–	–	–	–
29	469.85	492.00	30	90	180	49.0	–	–	–	–	–	–	–	–
30	486.00	506.50	30	90	180	51.4	30	120	200	115.0	40	180	200	194.5
32	518.27	538.80	30	90	180	59.9	–	–	–	–	–	–	–	–
35	566.71	589.50	30	90	180	69.2	–	–	–	–	40	180	200	267.5
38	615.16	635.50	30	90	180	79.3	30	120	200	193.4	40	180	200	316.0
40	647.47	670.30	30	90	180	86.5	40	120	200	214.5	–	–	–	–
45	728.24	751.00	40	123	218	119.0	40	148	220	282.5	40	207	220	457.0
57	922.16	945.00	40	123	218	176.0	40	148	220	450.0	40	207	220	564.0
76	1229.27	1252.00	40	123	218	294.0	40	148	220	797.0	40	216	238	1320.0

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΓΡΑΝΑΖΙΑ ΓΙΑ TAPER BUSHES

TAPER BORE 06B-08B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ



06B

Tooth width
Simplex bf1 5,3 mm
Duplex bf2 15,4 mm
Triplex bf3 25,6 mm

Teeth	Outer dia.	Pitch circle	Simplex				Duplex				Triplex			
z	Φ dk	Φ d0	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type
17	55.5	51.83	45	22	1008	1	43	22	1008	2	–	25.6	1008	5
18	58.6	54.85	45	22	1008	1	43	22	1008	2	–	–	–	–
19	61.6	57.86	45	22	1008	1	46	22	1008	2	–	25.6	1008	5
20	64.6	60.89	46	22	1008	1	48	22	1008	2	–	–	–	–
21	67.6	63.90	46	22	1008	1	49	22	1008	2	–	25.6	1008	5
22	70.6	66.93	50	22	1108	1	52	22	1108	2	–	–	–	–
23	73.7	69.95	63	25	1210	1	59	25	1210	2	–	25.6	1210	5
24	76.7	72.97	63	25	1210	1	61	25	1210	2	–	–	–	–
25	79.7	75.99	63	25	1210	1	64	25	1210	2	–	25.6	1210	5
27	85.7	82.04	63	25	1210	1	70	25	1210	2	–	25.6	1210	5
30	94.8	91.12	63	25	1210	1	75	25	1210	2	79	38	1615	4
38	119.0	115.34	70	25	1210	1	80	25	1610	2	90	38	1615	4

08B

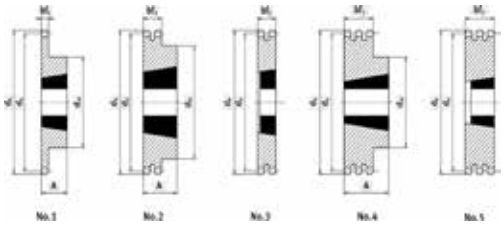
Tooth width
Simplex bf1 7,2 mm
Duplex bf2 21,0 mm
Triplex bf3 34,9 mm

Teeth	Outer dia.	Pitch circle	Simplex				Duplex				Triplex			
z	Φ dk	Φ d0	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type
17	74.5	69.11	60	25	1210	1	56	25	1210	2	–	34.9	1210	–
18	78.0	73.14	60	25	1210	1	60	25	1210	2	–	–	–	–
19	82.5	77.15	63	25	1210	1	62	25	1210	2	62	38	1215	4
20	86.0	81.19	71	25	1610	1	66	25	1610	2	–	–	–	–
21	90.6	85.21	71	25	1610	1	71	25	1610	2	70	38	1615	4
22	94.1	89.24	71	25	1610	1	76	25	1610	2	–	–	–	–
23	98.7	93.26	76	25	1610	1	79	25	1610	2	70	38	1615	4
24	102.1	97.29	76	25	1610	1	84	32	2012	2	–	–	–	–
25	106.7	101.32	76	25	1610	1	87	32	2012	2	–	34.9	2012	5
27	114.8	109.39	76	25	1610	1	87	32	2012	2	–	34.9	2012	5
30	126.9	121.49	90	32	2012	1	87	32	2012	2	–	34.9	2012	5
38	159.2	153.79	90	32	2012	1	102	32	2012	2	–	34.9	2012	5

ΓΡΑΝΑΖΙΑ ΓΙΑ TAPER BUSHES

TAPER BORE 10B-12B ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ





10B

Tooth width
Simplex bf1 9.1 mm
Duplex bf2 25.5 mm
Triplex bf3 42.1 mm

Teeth	Outer dia.	Pitch circle	Simplex				Duplex				Triplex			
z	Φ dk	Φ d0	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type
14	78.2	71.34	52	22	1108	1	–	–	–	–	–	–	–	–
15	83.2	76.35	60	25	1210	1	–	25.5	1210	3	–	42.1	1215	5
16	88.3	81.37	70	25	1210	1	–	25.5	1610	3	–	–	–	–
17	93.3	86.39	71	25	1610	1	–	25.5	1610	3	–	42.1	1215	5
18	98.3	91.42	75	25	1610	1	–	25.5	1610	3	–	–	–	–
19	103.3	96.45	75	25	1610	1	–	25.5	1610	3	–	42.1	1615	5
20	108.4	101.49	75	25	1610	1	–	25.5	1610	3	–	–	–	–
21	113.4	106.52	76	25	1610	1	–	25.5	1610	3	–	42.1	1615	5
22	118.4	111.55	76	25	1610	1	–	25.5	1610	3	–	–	–	–
23	123.5	116.58	76	25	1610	1	–	25.5	1610	3	–	42.1	2012	5
24	128.5	121.62	90	32	2012	1	90	32	2012	2	–	–	–	–
25	133.6	126.66	90	32	2012	1	90	32	2012	2	105	45	2517	4
27	143.6	136.74	90	32	2012	1	90	32	2012	2	110	45	2517	4
30	158.8	151.87	90	32	2012	1	90	32	2012	2	120	45	2517	4
38	199.1	192.24		32	2012	1	108	45	2517	2	–	–	–	–

12B

Tooth width
Simplex bf1 11.1 mm
Duplex bf2 30.3 mm
Triplex bf3 49.8 mm

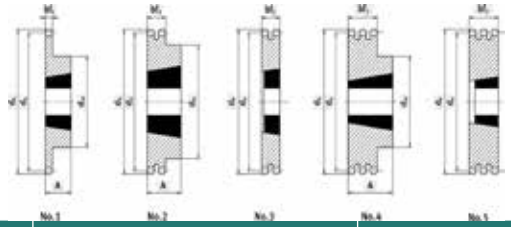
Teeth	Outer dia.	Pitch circle	Simplex				Duplex				Triplex			
z	Φ dk	Φ d0	Φ dm	A	Taper-lock bush Ref. Nr."	Sprock-et type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type
15	99.8	91.63	70	25	1610	1	71	38	1615	2	–	49.8	1615	5
16	105.8	97.65	75	25	1610	1	71	38	1615	2	–	–	–	–
17	111.9	103.67	76	25	1610	1	80	38	1615	2	–	49.8	1615	5
18	117.9	109.71	90	32	2012	1	90	32	2012	2	–	–	–	–
19	123.9	115.73	90	32	2012	1	95	32	2012	2	–	49.8	2012	5
20	130.0	121.78	90	32	2012	1	108	45	2517	2	–	–	–	–
21	136.0	127.81	102	45	2517	1	108	45	2517	2	–	498	2517	5
22	142.0	133.86	102	45	2517	1	108	45	2517	2	–	–	–	–
23	148.1	139.9	108	45	2517	1	108	45	2517	2	–	49.8	2517	5
24	154.1	145.94	108	45	2517	1	108	45	2517	2	–	–	–	–
25	160.2	152.00	108	45	2517	1	108	45	2517	2	–	49.8	2517	5
27	172.3	164.09	108	45	2517	1	108	45	2517	2	140	51	3020	4
30	190.4	182.25	108	45	2517	1	108	45	2517	2	140	51	3020	4
38	238.9	230.69	108	45	2517	1	140	51	3020	2	140	51	3020	4

ΓΡΑΝΑΖΙΑ ΓΙΑ TAPER BUSHES

TAPER BORE 16B

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ





16B

Tooth width
Simplex bf1 16.2 mm
Duplex bf2 47.7 mm
Triplex bf3 79.6 mm

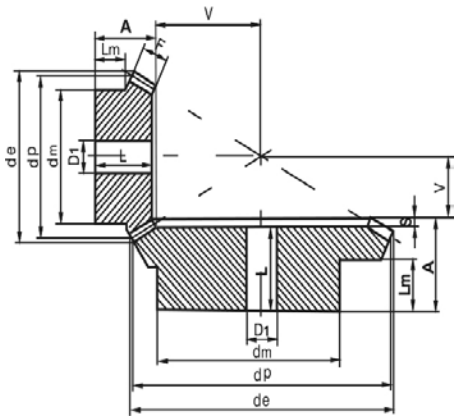
Teeth	Outer dia.	Pitch circle	Simplex				Duplex				Triplex			
z	Φ dk	Φ d0	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type	Φ dm	A	Taper-lock bush Ref. Nr."	Sprocket type
15	133.7	122.17	76	25	1615	1	–	47.7	2012	3	–	–	–	–
16	141.8	130.20	90	32	2012	1	–	47.7	2517	3	–	–	–	–
17	149.8	138.22	90	32	2012	1	–	47.7	2517	3	–	79.6	2517	5
18	157.8	146.28	108	45	2517	1	–	47.7	2517	3	–	–	–	–
19	165.9	154.33	108	45	2517	1	–	47.7	2517	3	–	79.6	3030	5
20	173.9	162.38	108	45	2517	1	–	47.7	2517	3	–	–	–	–
21	182.0	170.43	110	45	2517	1	140	51	3020	2	–	79.6	3030	5
22	190.1	178.48	110	45	2517	1	140	51	3020	–	–	–	–	–
23	198.1	186.53	110	45	2517	1	140	51	3020	2	159	89	3535	4
24	206.2	194.59	110	45	2517	1	140	51	20	–	–	–	–	–
25	214.2	202.66	110	45	2517	1	140	51	3020	2	175	89	3535	4
27	230.4	218.79	110	45	2517	1	140	51	3020	2	175	89	3535	4
30	254.6	243.00	140	51	2517	1	140	76	3030	2	175	89	3535	4
38	319.2	307.59	140	51	3020	–	160	76	3030	–	178	89	3535	–



ΓΡΑΝΑΖΙΑ BEVEL

TYPE A ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ





Σχέσεις: 1:1, 2:1, 1:3, 1:4
Modules: 1,5-2-2,5-3-3,5-4-4,5-5

TYPE A RATIO 1:1

M	z	dp	de	F	A	dm	D1	L	V	s	Lm
1.5	16	24.0	26.12	6	18.9	20.3	8		7.10		12
	20	30.0	32.12	10	20	22	10	18	7.40	2	8.5
	25	37.5	39.62	10	23	28	10	21	11.09	2	12
	30	45.0	47.12	12	25	30	12	22.5	13.35	2.5	12
2	16	32.0	34.83	8	23.5	25.3	8		9.50		14
	20	40.0	42.83	12	25	32	10	22	10.78	3	12
	25	50.0	52.82	14	28	40	12	25	14.28	3	12.3
	30	60.0	62.83	16	30	50	12	27	17.78	3	12.8
2.5	16	40.0	43.53	10	28.1	30.3	12		11.90		15
	20	50.0	53.53	12	30.5	40	12	27	15.43	3.5	16
	25	62.5	66.00	15	33.5	50	15	30	19.48	3.5	16
	30	75.0	78.53	18	35.5	55	15	32	23.63	3.5	16
3	16	48.0	52.25	12	31.7	40.3	12		14.30		18
	20	60.0	64.24	18	35	45	15	31	16.00	4	13.6
	25	75.0	79.24	20	38	55	15	34	22.00	4	16
	30	90.0	94.24	22	40	60	20	36	28.00	4	17
3.5	16	56.0	60.95	14	36.4	45.3	16		16.60		20
	20	70.0	74.95	22	40.5	55	15	36	18.13	4.5	17
	25	87.5	92.45	26	43.5	65	20	39	23.97	4.5	18
	30	105.0	109.95	30	48	70	20	43.5	30.02	4.5	19
4	16	64.0	69.65	15	44.3	50.3	16		19.70		25
	20	80.0	85.65	25	43	60	18	38	20.74	5	18
	25	100.0	105.65	28	45	70	20	40	28.50	5	18
	30	120.0	125.65	32	48	80	20	43	35.67	5	16
4.5	16	72.0	78.38	17.5	46.3	55.3	20		21.70		25
	20	90.0	96.38	28	48	65	20	42	23.41	6	18
	25	112.5	118.80	32	50	75	20	44	31.76	6	18
	30	135.0	141.38	35	53	90	20	47	40.82	6	17

TYPE A RATIO 1:2

M	z	dp	de	F	A	dm	D1	L	V	s	Lm
1,5	16	24	26.68	8	19.5	21	10	18	16.33	1.5	11.3
	32	48	49.34	8	20.0	32	12	17	7.45	3	10
2	16	32	35.57	10	23.0	26	10	21	22.41	2	11.9
	32	64	65.78	10	25.0	40	12	21	10.21	4	10
2,5	16	40	44.47	12	27.5	34	12	25	28.38	2.5	14.4
	32	80	82.23	12	25.0	50	15	20	12.97	5	10
3	16	48	53.36	15	28.0	40	15	25	33.64	3	11.6
	32	96	98.68	15	30.0	60	15	24	15.31	6	10
3,5	16	56	62.26	18	33.5	48	15	30	38.83	3.5	14.4
	32	112	115.12	18	31.0	70	20	24	17.77	7	10
4	16	64	71.15	20	36.0	50	15	32	44.81	4	13.4
	32	128	131.57	20	32.0	80	20	24	20.42	8	10
4,5	16	72	80.05	22	39.5	60	20	35	51.00	4.5	15.4
	32	144	148.00	22	36.0	90	20	27	23.21	9	10

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΓΡΑΝΑΖΙΑ BEVEL

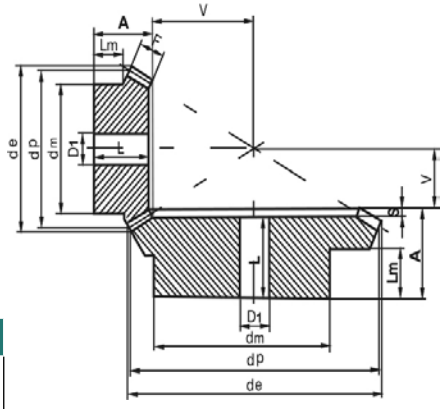
TYPE A

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ

TYPE A RATIO 1:3

M	z	dp	de	F	A	dm	D1	L	V	s	Lm
1,5	16	24	26.82	12	24	20	10	23	24.42	1	11.7
	48	72	72.95	12	20	50	12	17	7.27	3	10
2	16	32	35.80	15	28.5	26	12	27	33.26	1.5	12.4
	48	96	97.26	15	23	60	15	19	9.90	4	10
2,5	16	40	44.74	18	32	32	12	30	42.41	1.5	13
	48	120	121.58	18	26	70	20	21	12.60	5	10
3	16	48	53.69	18	32	40	15	30	54.25	2	12.1
	48	144	145.90	18	29	80	20	23	16.20	6	10
3,5	16	56	62.64	22	38	48	15	35.5	62.29	2.5	15
	48	168	170.21	22	31	90	20	24	18.48	7	10
4	16	64	71.59	25	41.5	55	20	38.5	71.23	3	15.2
	48	192	194.53	25	33	100	20	25	21.20	8	10
4,5	16	72	80.53	28	53	60	20	50	80.27	3	23.4
	48	216	218.84	28	49	100	20	40	23.93	9	18
5	16	80	89.48	35	60	60	20	57	85.61	3	22.5
	48	240	243.16	35	50	150	20	40	25.45	10	20





TYPE A RATIO 1:4

M	z	dp	de	F	A	dm	D1	L	V	s	Lm
1,5	16	24	26.91	12	25	18	10	24	36.02	1	12.2
	64	96	96.73	12	22	70	15	19	8.53	3	10
2	16	32	35.88	15	24	25	12	23	49.07	1	8.2
	64	128	128.97	15	24	80	20	20	11.79	4	10
2,5	16	40	44.85	18	30.5	30	12	29	61.99	1.5	11.7
	64	160	161.21	18	29	90	20	24	13.77	5	10
3	16	48	53.82	22	34	40	15	32	74.05	2	11
	64	192	193.45	22	30	100	20	24	16.41	6	10
3,5	16	56	62.80	25	45	48	15	43	87.13	2	19.1
	64	224	225.70	25	50	100	20	43	19.32	7	22
4	16	64	71.76	30	50	50	20	48	98.21	2	18.5
	64	256	257.94	30	50	120	20	42	21.72	8	20
4,5	16	72	80.73	32	53	55	20	50.5	112.08	2.5	19
	64	288	290.18	32	53	130	20	44	24.83	9	23
5	16	80	89.70	35	58	60	20	55.5	125.0 6	2.5	20.6
	64	320	322.42	35	58	150	20	48	27.65	10	25

Σχέσεις: 1:1, 2:1, 1:3, 1:4
Modules: 1,5-2-2,5-3-3,5-4-4,5-5



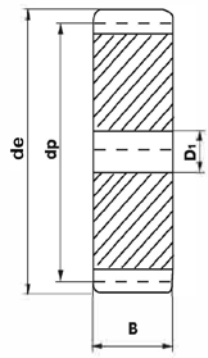
ΓΡΑΝΑΖΙΑ MODULE

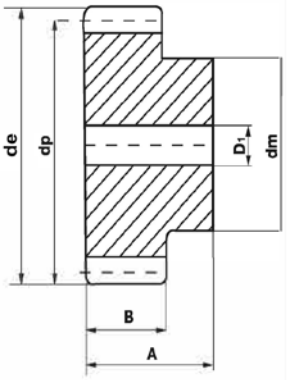
ΔΙΣΚΟΣ & ΠΛΗΜΝΗ ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ





Z	Mod.1				Mod.1.5				Mod.2				Mod.2.5			
	de	dp	dm	D1	de	dp	dm	D1	de	dp	dm	D1	de	dp	dm	D1
12	14	12	9	6	21.0	18.0	14	8	28	24	18	10	35.0	30.0	22	10
13	15	13	10	6	22.5	19,5	15	8	30	26	20	10	37.5	32.5	25	10
14	16	14	11	6	24.0	21.0	17	8	32	28	22	10	40.0	35.0	28	10
15	17	15	12	6	25.5	22.5	18	8	34	30	24	10	42.5	37.5	30	10
16	18	16	13	6	27.0	24.0	19	8	36	32	25	10	45.0	40.0	32	12
17	19	17	14	6	28.5	25.5	20	8	38	34	25	10	47.5	42.5	35	12
18	20	18	15	8	30.0	27.0	20	8	40	36	25	10	50.0	45.0	35	12
19	21	19	15	8	31.5	28.5	20	8	42	38	25	10	52.5	47.5	35	12
20	22	20	16	8	33.0	30.0	25	8	44	40	30	10	55.0	50.0	40	12
21	23	21	16	8	34.5	31.5	25	10	46	42	30	12	57.5	52.5	40	14
22	24	22	16	8	36.0	33.0	25	10	48	44	30	12	60.0	55.0	45	14
23	25	23	18	8	37.5	34.5	25	10	50	46	30	12	62.5	57.5	45	14
24	26	24	20	10	39.0	36.0	25	10	52	48	35	12	65.0	60.0	45	14
25	25	27	25	20	10	40.5	37.5	25	10	54	50	35	12	67.5	62.5	50
26	28	26	20	10	42.0	39.0	30	12	56	52	40	12	70.0	65.0	50	14
27	29	27	20	10	43.5	40.5	30	12	58	54	40	12	72.5	67.5	50	14
28	30	28	20	10	45.0	42.0	30	12	60	56	40	12	75.0	70.0	50	14
29	31	29	20	10	46.5	43.5	30	12	62	58	40	14	77.5	72.5	50	14
30	32	30	20	10	48.0	45.0	30	12	64	60	40	14	80.0	75.0	55	14
31	33	31	25	10	49.5	46.5	35	12	66	62	45	14	82.5	77.5	55	16
32	34	32	25	10	51.0	48.0	35	12	68	64	45	14	85.0	80.0	55	16
33	35	33	25	10	52.5	49.5	35	12	70	66	45	14	87.5	82.5	55	16
34	36	34	25	10	54.0	51.0	35	12	72	68	45	14	90.0	85.0	55	16
35	37	35	25	10	55.5	52.5	35	12	74	70	45	14	92.5	87.5	60	16
36	38	36	25	10	57.0	54.0	35	12	76	72	45	14	95.0	90.0	60	16
37	39	37	25	10	58.5	55.5	40	12	78	74	50	14	97.5	92.5	60	16
38	40	38	25	10	60.0	57.0	40	12	80	76	50	14	100.0	95.0	60	16
39	41	39	25	10	61.5	58.5	40	12	82	78	50	14	102.5	97.5	60	16
40	42	40	25	10	63.0	60.0	40	12	84	80	50	14	105.0	100.0	70	16
41	43	41	30	10	64.5	61.5	40	12	86	82	55	16	107.51	102.5	70	16
42	44	42	30	10	66.0	63.0	50	12	88	84	55	16	110.0	105.0	70	16





Total Thickness { A }
Modulo 1 =25mm.
Modulo 1.5 =30mm.
Modulo 2 =35mm.
Modulo 2.5 =45mm.
Modulo 3 =50mm.
Modulo 4 =60mm.
Modulo 5 =75mm.

Tooth Width { B }
Modulo 1 =15mm.
Modulo 1.5 =17mm.
Modulo 2 =20mm.
Modulo 2.5 =25mm.
Modulo 3 =30mm.
Modulo 4 =40mm.
Modulo 5 =50mm.

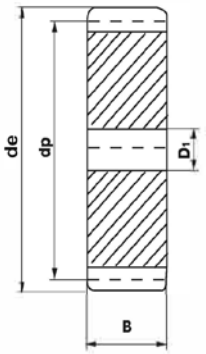
ΓΡΑΝΑΖΙΑ MODULE

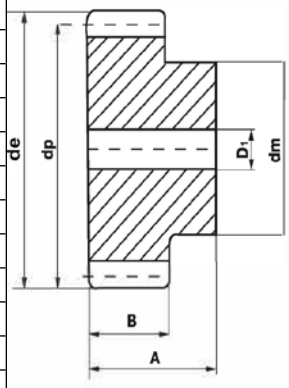
ΔΙΣΚΟΣ & ΠΛΗΜΝΗ

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ









Z	Mod.1				Mod.1.5				Mod.2				Mod.2.5			
	de	dp	dm	D1	de	dp	dm	D1	de	dp	dm	D1	de	dp	dm	D1
43	45	43	30	10	67.5	64.5	50	12	90	86	55	16	112.5	107.5	70	16
44	46	44	30	10	69.0	66.0	50	12	92	88	60	16	115.0	110.0	70	16
45	47	45	30	10	70.5	67.5	50	12	94	90	60	16	117.5	112.5	70	16
46	48	46	30	10	72.0	69.0	50	14	96	92	60	16	120.0	115.0	70	20
47	49	47	30	10	73.5	70.5	50	14	98	94	70	16	122.5	117.5	80	20
48	50	48	30	10	75.0	72.0	50	14	100	96	70	16	125.0	120.0	80	20
49	51	49	30	10	76.5	73.5	50	14	102	98	70	16	127.5	122.5	80	20
50	52	50	30	12	78.0	75.0	50	14	104	100	70	16	130.0	125.0	80	20
51	53	51	40	12	79.5	76.5	60	14	106	102	70	16	132.5	127.5	80	20
52	54	52	40	12	81.0	78.0	60	14	108	104	70	16	135.0	130.0	90	20
53	55	53	40	12	82.5	79.5	60	14	110	106	70	16	137.5	132.5	90	20
54	56	54	40	12	84.0	81.0	60	14	112	108	70	16	140.0	135.0	90	20
55	57	55	40	12	85.5	82.5	60	14	114	110	70	16	142.5	137.5	90	20
56	58	56	40	12	87.0	84.0	60	16	116	112	70	16	145.0	140.0	100	20
57	59	57	40	12	88.5	85.5	60	16	118	114	70	16	147.5	142	100	20
58	60	58	40	12	90.0	87.0	60	16	120	116	70	16	150.0	145.0	100	20
59	61	59	40	12	91.5	88.5	60	16	122	118	70	16	152.5	147	100	20
60	62	60	40	12	93.0	90.0	60	16	124	120	70	16	155.0	150.0	100	20
61	63	61	50	12	94.5	91.5	70	16	126	122	80	16	-	-	-	-
62	64	62	50	12	96.0	93.0	70	16	128	124	80	16	167.5	162,5	-	20
63	65	63	50	12	97.5	94.5	70	16	130	126	80	16	-	-	-	-
64	66	64	50	12	99.0	96.0	70	16	132	128	80	16	-	-	-	-
65	67	65	50	12	100.5	97.5	70	16	134	130	80	16	-	-	-	-
66	68	66	50	12	102.0	99.0	70	16	136	132	80	16	-	-	-	-
67	69	67	50	12	103.5	100.5	70	16	138	134	80	16	-	-	-	-
68	70	68	50	12	105.0	102.0	70	16	140	136	80	16	-	-	-	-
69	71	69	50	12	106.5	103.5	70	16	142	138	80	16	-	-	-	-
70	72	70	50	12	108.0	105.0	70	16	144	140	80	16	180.0	175.0	-	20
72	74	72	-	12	111.0	108.0	-	16	148	144	-	16	185.0	180.0	-	20
75	77	75	-	12	115.5	112.5	-	16	154	150	-	20	192.5	187.5	-	20
76	78	76	-	12	117.0	114.0	-	16	156	152	-	20	195.0	190.0	-	20
80	82	80	-	12	123.0	120.0	-	16	164	160	-	20	205.0	200.0	-	25
85	87	85	-	12	130.5	127.5	-	16	174	170	-	20	217	212.5	-	25
90	92	90	-	12	138.0	135.0	-	16	184	180	-	20	230.0	225.0	-	25

Total Thickness { A }
Modulo 1 =25mm.
Modulo 1.5 =30mm.
Modulo 2 =35mm.
Modulo 2.5 =45mm.
Modulo 3 =50mm.
Modulo 4 =60mm.
Modulo 5 =75mm.

Tooth Width { B }
Modulo 1 =15mm.
Modulo 1.5 =17mm.
Modulo 2 =20mm.
Modulo 2.5 =25mm.
Modulo 3 =30mm.
Modulo 4 =40mm.
Modulo 5 =50mm.

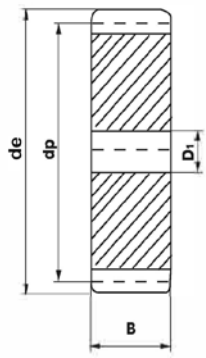
ΓΡΑΝΑΖΙΑ MODULE

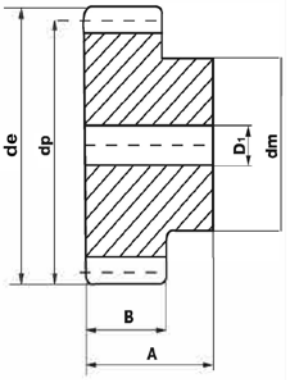
ΔΙΣΚΟΣ & ΠΛΗΜΝΗ

ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ



Z	Mod.3				Mod.4				Mod.5			
	de	dp	dm	D1	de	dp	dm	D1	de	dp	dm	D1
12	42	36	27	12	56	48	35	14	70	60	45	20
13	45	39	30	12	60	52	40	14	75	65	50	20
14	48	42	33	12	64	56	45	14	80	70	55	20
15	51	45	35	12	68	60	45	14	85	75	60	20
16	54	48	38	14	72	64	50	16	90	80	65	20
17	57	51	42	14	76	68	50	16	95	85	70	20
18	60	54	45	14	80	72	50	16	100	90	70	20
19	63	57	45	14	84	76	60	16	105	95	70	20
20	66	60	45	14	88	80	60	16	110	100	80	20
21	69	63	45	16	92	84	70	16	115	105	80	20
22	72	66	50	16	96	88	70	16	120	110	80	20
23	75	69	50	16	100	92	75	20	125	115	90	20
24	78	72	50	16	104	96	75	20	130	120	90	20
25	81	75	60	16	108	100	75	20	135	125	90	20
26	84	78	60	16	112	104	75	20	140	130	100	20
27	87	81	60	16	116	108	75	20	145	135	100	20
28	90	84	60	16	120	112	75	20	150	140	100	25
29	93	87	60	16	124	116	75	20	155	145	110	25
30	96	90	60	16	128	120	75	20	160	150	110	25
31	99	93	60	16	132	124	80	20	-	-	-	-
32	102	96	70	16	136	128	80	20	170	160	-	25
33	105	99	70	16	140	132	80	20	-	-	-	-
34	108	102	70	16	144	136	80	20	-	-	-	-
35	111	105	70	16	148	140	80	20	185	175	-	25
36	114	108	70	20	152	144	80	25	-	-	-	-
37	117	111	70	20	-	-	-	-	-	-	-	-
38	120	114	80	20	160	152	-	25	200	190	-	25
39	123	117	80	20	-	-	-	-	-	-	-	-
40	126	120	80	20	168	160	-	25	210	200	-	25
41	129	138	90	20	-	-	-	-	-	-	-	-
42	132	126	80	20	-	-	-	-	-	-	-	-





Total Thickness { A }
Modulo 1 =25mm.
Modulo 1.5 =30mm.
Modulo 2 =35mm.
Modulo 2.5 =45mm.
Modulo 3 =50mm.
Modulo 4 =60mm.
Modulo 5 =75mm.

Tooth Width { B }
Modulo 1 =15mm.
Modulo 1.5 =17mm.
Modulo 2 =20mm.
Modulo 2.5 =25mm.
Modulo 3 =30mm.
Modulo 4 =40mm.
Modulo 5 =50mm.

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΓΡΑΝΑΖΙΑ MODULE

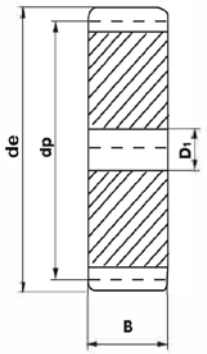
ΔΙΣΚΟΣ & ΠΛΗΜΝΗ

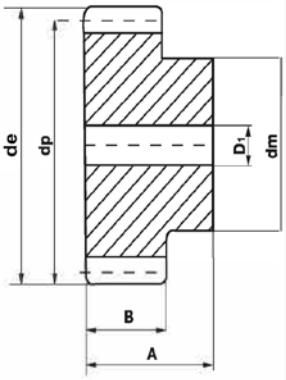
ΜΕ ΕΠΙΣΚΛΗΡΥΜΕΝΗ ΟΔΟΝΤΩΣΗ





Z	Mod.3				Mod.4				Mod.5			
	de	dp	dm	D1	de	dp	dm	D1	de	dp	dm	D1
43	135	129	80	20	-	-	-	-	-	-	-	-
44	138	132	90	20	-	-	-	-	-	-	-	-
45	141	135	90	20	188	180	-	25	235	225	-	25
46	144	138	90	20	-	-	-	-	-	-	-	-
47	147	141	100	20	-	-	-	-	-	-	-	-
48	150	144	100	20	200	192	-	25	250	240	-	25
50	156	150	-	20	208	200	-	25	260	250	-	30
52	162	156	-	20	216	208	-	25	270	260	-	30
55	171	165	-	20	228	220	-	25	285	275	-	30
57	177	171	-	20	236	228	-	25	295	285	-	30
60	186	180	-	20	248	240	-	25	310	300	-	30
65	201	195	-	20	268	260	-	25	335	325	-	30
70	216	210	-	25	288	280	-	25	360	350	-	30
72	222	216	-	25	-	-	-	-	-	-	-	-
75	231	225	-	25	308	300	-	25	385	375	-	30
76	234	228	-	25	312	304	-	30	390	380	-	30
80	246	240	-	25	328	320	-	30	410	400	-	30
85	261	255	-	25	348	340	-	30	435	425	-	30
90	276	270	-	25	368	360	-	30	460	450	-	30
95	291	285	-	25	388	380	-	30	485	475	-	30
100	306	300	-	25	408	400	-	30	510	500	-	30
110	336	330	-	25	448	440	-	30	560	550	-	30
114	348	342	-	30	464	456	-	30	580	570	-	30
66	68	66	50	12	102.0	99.0	70	16	136	132	80	16
67	69	67	50	12	103.5	100.5	70	16	138	134	80	16
68	70	68	50	12	105.0	102.0	70	16	140	136	80	16
69	71	69	50	12	106.5	103.5	70	16	142	138	80	16
70	72	70	50	12	108.0	105.0	70	16	144	140	80	16
72	74	72	-	12	111.0	108.0	-	16	148	144	-	16
75	77	75	-	12	115.5	112.5	-	16	154	150	-	20
76	78	76	-	12	117.0	114.0	-	16	156	152	-	20
80	82	80	-	12	123.0	120.0	-	16	164	160	-	20
85	87	85	-	12	130.5	127.5	-	16	174	170	-	20
90	92	90	-	12	138.0	135.0	-	16	184	180	-	20





Total Thickness { A }
Modulo 1 =25mm.
Modulo 1.5 =30mm.
Modulo 2 =35mm.
Modulo 2.5 =45mm.
Modulo 3 =50mm.
Modulo 4 =60mm.
Modulo 5 =75mm.

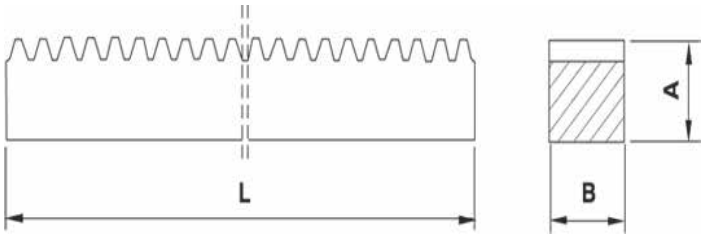
Tooth Width { B }
Modulo 1 =15mm.
Modulo 1.5 =17mm.
Modulo 2 =20mm.
Modulo 2.5 =25mm.
Modulo 3 =30mm.
Modulo 4 =40mm.
Modulo 5 =50mm.

ΚΡΕΜΑΡΓΙΕΡΕΣ

MODULE 1-1.5-2-2.5-3-4-5 | Material C 45 of specially treated







Mod	L=250 AxB	L=500 AxB	L=1000 AxB	L=2000 AxB
1	15X15	15X15	15X15	15X15
1.5	17X17	17X17	17X17	17X17
2	20X20	20X20	20X20	20X20
2.5	25X25	25X25	25X25	25X25
3	30X30	30X30	30X30	30X30
4	-	-	22X22	22X22
4	-	-	25X25	25X25
4	-	30X30	30X30	30X30
4	40X40	40X40	40X40	40X40
5	50X50	50X50	50X50	50X50

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΜΕΤΑΛΛΙΚΑ ΓΡΑΝΑΖΙΑ
SPROCKETS

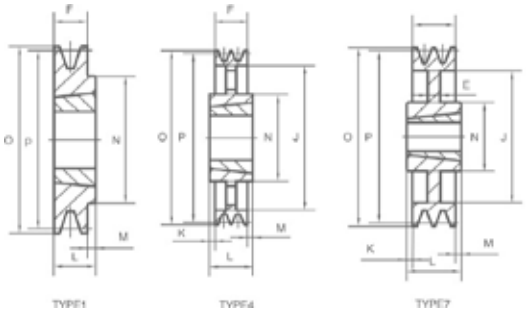
EQUIPMENT YOU CAN TRUST



ΤΡΟΧΑΛΙΕΣ SPA ΓΙΑ ΙΜΑΝΤΑ 13mm A/AX/SPA

SPA-1 ΜΑΝΤΕΜΕΝΙΕΣ



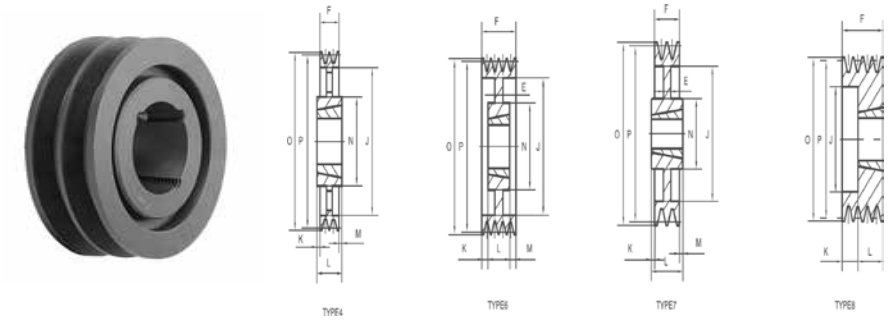


Πλάτος Κορυφής Αυλάκωσης (b_1):12,7
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):15,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):10,0 mm
Ελάχιστο Ύψος Αυλάκωσης (t):13,8 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 5,5 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 118 mm
38° για P.D. > 118 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPA63-01	1	63.0	68.5	1	1108	28	-	20	-	-	22	2	56
SPA67-01	1	67.0	72.5	1	1108	28	-	20	-	-	22	2	62
SPA 71-01	1	71.0	76.5	1	1108	28	-	20	-	-	22	2	62
SPA 75-01	1	75.0	80.5	1	1108	28	-	20	-	-	22	2	62
SPA 80-01	1	80.0	85.5	1	1210	32	-	20	-	-	25	5	75
SPA 85-01	1	85.0	90.5	1	1210	32	-	20	-	-	25	5	75
SPA 90-01	1	90.0	95.5	1	1210	32	-	20	-	-	25	5	75
SPA 95-01	1	95.0	100.5	1	1210	32	-	20	-	-	25	5	75
SPA100-01	1	100.0	105.5	1	1610	42	-	20	-	-	25	5	80
SPA106-01	1	106.0	111.5	1	1610	42	-	20	-	-	25	5	80
SPA112-01	1	112.0	117.5	1	1610	42	-	20	-	-	25	5	80
SPA118-01	1	118.0	123.5	1	1610	42	-	20	-	-	25	5	80
SPA125-01	1	125.0	130.5	1	1610	42	-	20	-	-	25	5	80
SPA132-01	1	132.0	137.5	1	1610	42	-	20	-	-	25	5	80
SPA140-01	1	140.0	145.5	1	1610	42	-	20	-	-	25	5	80
SPA150-01	1	150.0	155.5	1	1610	42	-	20	-	-	25	5	80
SPA160-01	1	160.0	165.5	1	1610	42	-	20	-	-	25	5	80
SPA170-01	1	170.0	175.5	1	1610	42	-	20	-	-	25	5	80
SPA180-01	1	180.0	185.5	1	1610	42	-	20	-	-	25	5	80
SPA190-01	1	190.0	195.5	1	1610	42	-	20	-	-	25	5	80
SPA200-01	1	200.0	205.5	7	2012	50	10	20	165	-	32	12	100
SPA224-01	1	224.0	229.5	7	2012	50	10	20	189	-	32	12	100
SPA250-01	1	250.0	255.5	7	2012	50	10	20	215	6	32	6	100
SPA280-01	1	280.0	285.5	7	2012	50	10	20	245	-	32	12	100
SPA315-01	1	315.0	320.5	4	2012	50	-	20	280	-	32	12	100
SPA355-01	1	355.0	360.5	4	2012	50	-	20	320	-	32	12	100
SPA400-01	1	400.0	405.5	4	2012	50	-	20	365	-	32	12	100
SPA450-01	1	450.0	455.5	4	2012	50	-	20	415	-	32	12	100
SPA500-01	1	500.0	505.5	4	2517	60	-	20	465	-	45	25	120
SPA630-01	1	630.0	635.5	4	2517	60	-	20	595	-	45	25	120

ΤΡΟΧΑΛΙΕΣ SPA ΓΙΑ ΙΜΑΝΤΑ 13mm A/AX/SPA

SPA-2 ΜΑΝΤΕΜΕΝΙΕΣ



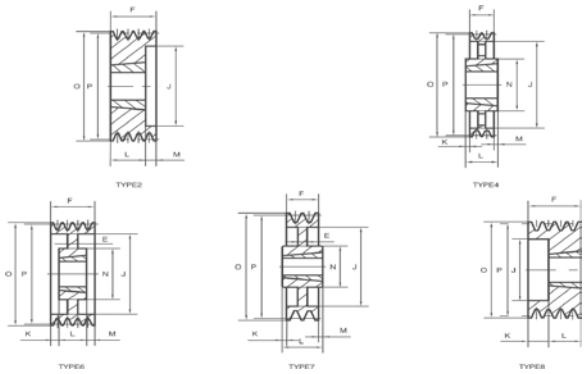
Πλάτος Κορυφής Αυλάκωσης (b_t):12,7
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):15,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):10,0 mm
Ελάχιστο Ύψος Αυλάκωσης (t):13,8 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 5,5 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 118 mm
38° για P.D. > 118 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPA 63-02	2	63.0	68.5	8	1108	28	-	35	36	13	22	-	-
SPA 67-02	2	67.0	72.5	8	1108	28	-	35	37	13	22	-	-
SPA 71-02	2	71.0	76.5	8	1108	28	-	35	40	13	22	-	-
SPA 75-02	2	75.0	80.5	8	1108	28		35	44	13	22	-	-
SPA 80-02	2	80.0	85.5	8	1210	32	-	35	47	10	25	-	-
SPA 85-02	2	85.0	90.5	8	1210	32	-	35	50	10	25	-	-
SPA 90-02	2	90.0	95.5	8	1610	42	-	35	60	10	25	-	-
SPA 95-02	2	95.0	100.5	8	1610	42	-	35	64	10	25	-	-
SPA100-02	2	100.0	105.5	8	1610	42	-	35	70	10	25	-	-
SPA106-02	2	106.0	111.5	8	1610	42	-	35	76	10	25	-	-
SPA112-02	2	112.0	117.5	8	1610	42	-	35	80	10	25	-	-
SPA118-02	2	118.0	123.5	8	1610	42	-	35	86	10	25	-	-
SPA125-02	2	125.0	130.5	8	1610	42	-	35	90	10	25	-	-
SPA132-01	2	132.0	137.5	8	2012	50		35	98	3	32	5	-
SPA140-01	2	140.0	145.5	8	2012	50	-	35	106	3	32	5	-
SPA150-01	2	150.0	155.5	8	2012	50		35	116	3	32	5	-
SPA160-01	2	160.0	165.5	8	2012	50	15	35	125	3	32	5	-
SPA170-01	2	170.0	175.5	8	2012	50	15	35	135	3	32	5	-
SPA180-01	2	180.0	185.5	6	2012	50	15	35	148	1,5	32	5	100
SPA190-01	2	190.0	195.5	6	2012	50	15	35	158	1,5	32	5	100
SPA200-01	2	200.0	205.5	7	2517	60	15	35	165	5	45	12	120
SPA224-01	2	224.0	229.5	7	2517	60	15	35	189	-	45	12	120
SPA250-01	2	250.0	255.5	7	2517	60	20	35	215	6	45	6	120
SPA280-01	2	280.0	285.5	7	2517	60	20	35	245	-	45	12	120
SPA315-01	2	315.0	320.5	4	2517	60	-	35	280	-	45	12	120
SPA355-02	2	355.0	360.5	4	2517	60	-	35	320	-	45	10	120
SPA400-02	2	400.0	405.5	4	2517	60	-	35	365	-	45	10	120
SPA500-02	2	500.0	505.5	4	2517	60	-	35	465	-	45	10	120
SPA560-02	2	560.0	565.5	4	3020	75	-	35	525	-	51	16	150
SPA630-02	2	630.0	635.5	4	3020	75	-	35	595	-	51	16	150

ΤΡΟΧΑΛΙΕΣ SPA ΓΙΑ ΙΜΑΝΤΑ 13mm A/AX/SPA

SPA-3 ΜΑΝΤΕΜΕΝΙΕΣ





Πλάτος Κορυφής Αυλάκωσης (b_1):12,7
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):15,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):10,0 mm
Ελάχιστο Ύψος Αυλάκωσης (t):13,8 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 5,5 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 118 mm
38° για P.D. > 118 mm

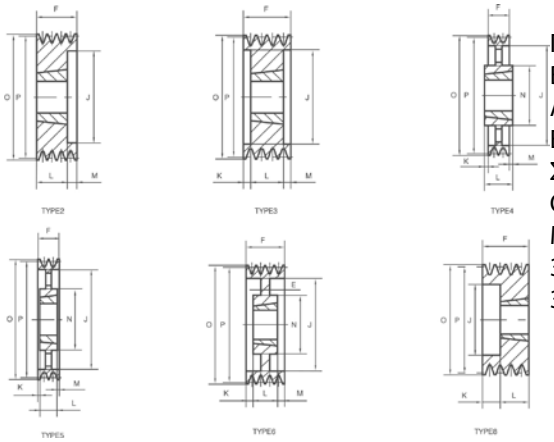
ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPA 71-03	3	71.0	76.5	8	1108	28	-	50	40	28	22	-	-
SPA 75-03	3	75.0	80.5	8	1108	32	-	50	44	28	22	-	-
SPA 80-03	3	80.0	85.5	8	1210	32	-	50	47	25	25	-	-
SPA 85-03	3	85.0	90.5	8	1210	32	-	50	50	25	25	-	-
SPA 90-03	3	90.0	95.5	8	1610	42	-	50	60	25	25	-	-
SPA 95-03	3	95.0	100.5	8	1610	42	-	50	64	25	25	-	-
SPA100-03	3	100.0	105.5	2	1610	42	-	50	70	-	25	25	-
SPA106-03	3	106.0	111.5	2	1610	42	-	50	76	-	25	25	-
SPA112-03	3	112.0	117.5	8	2012	50	-	50	83	18 -	32	-	-
SPA118-03	3	118.0	123.5	2	2012	50	-	50	86	-	32	18	-
SPA125-03	3	125.0	128.5	2	2012	50	-	50	92	-	32	18	-
SPA132-03	3	132.0	137.5	2	2012	50	-	50	98	5	32	18	-
SPA140-03	3	140.0	145.5	8	2517	60	-	50	106	5	45	-	-
SPA150-03	3	150.0	155.5	8	2517	60	-	50	116	5	45	-	-
SPA160-03	3	160.0	165.5	8	2517	60	-	50	126	5	45	-	-
SPA170-03	3	170.0	175.5	8	2517	60	-	50	138	5	45	-	-
SPA180-03	3	180.0	185.5	8	2517	60	-	50	146	5	45	-	-
SPA190-03	3	190.0	195.5	8	2517	60	-	50	158	2.5	45	-	-
SPA200-03	3	200.0	205.5	6	2517	60	20	50	165	2.5	45	2.5	120
SPA224-03	3	224.0	229.5	6	2517	60	20	50	189	2.5	45	2.5	120
SPA250-03	3	250.0	255.5	6	2517	60	20	50	215	2.5	45	2.5	120
SPA280-03	3	280.0	285.5	6	2517	60	20	50	245	0.5	45	2.5	120
SPA315-03	3	315.0	320.5	7	3020	75	25	50	280	0.5	51	0.5	150
SPA355-03	3	355.0	360.5	4	3020	75	-	50	320	0.5	51	5	160
SPA400-03	3	400.0	405.5	4	3020	75	-	50	365	0.5	51	0.5	150
SPA450-03	3	450.0	455.5	4	3020	75	-	50	415	0.5	51	0.5	150
SPA500-03	3	500.0	505.5	4	3020	75	-	50	465	0.5	51	0.5	150
SPA560-03	3	560.0	565.5	4	3020	75	-	50	525	0.5	51	0.5	150
SPA630-03	3	630.0	635.5	4	3020	75	-	50	595	19.5	51	0.5	150
SPA800-03	3	800.0	805.5	4	3535	90	-	50	765	19,5	89	19.5	170
SPA1000-03	3	1000.0	1005.5	4	3535	90	-	50	965		89	19.5	178

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΤΡΟΧΑΛΙΕΣ SPA ΓΙΑ ΙΜΑΝΤΑ 13mm A/AX/SPA

SPA-4 | ΜΑΝΤΕΜΕΝΙΕΣ





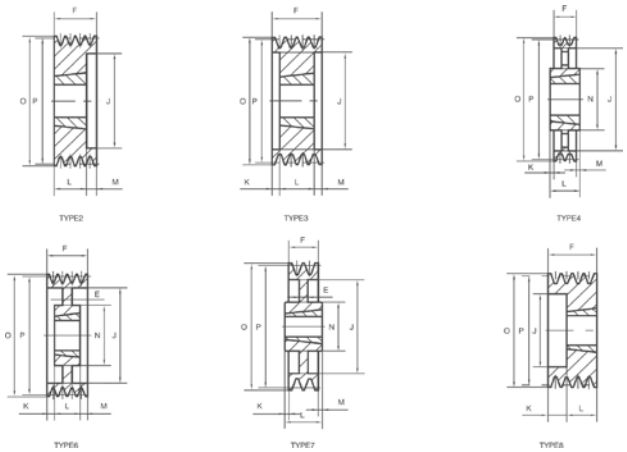
Πλάτος Κορυφής Αυλάκωσης (b_1):12,7
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):15,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):10,0 mm
Ελάχιστο Ύψος Αυλάκωσης (t):13,8 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 5,5 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 118 mm
38° για P.D. > 118 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPA 90-04	4	90.0	95.5	3	1615	42	-	65	64	13.5	38	13.5	-
SPA 95-04	4	95.0	100.5	3	1615	42	-	65	64	13.5	38	13.5	-
SPA100-04	4	100.0	105.5	2	1615	42	-	65	70	-	38	27	-
SPA106-04	4	106.0	111.5	8	2012	50	-	65	76	33	32	-	-
SPA112-04	4	112.0	117.5	8	2012	50	-	65	80	33 -	32	-	-
SPA118-04	4	118.0	123.5	2	2012	50	-	65	86	-	32	33	-
SPA125-04	4	125.0	130.5	2	2012	50	-	65	92	-	32	33	-
SPA132-04	4	132.0	137.5	2	2517	60	-	65	98	-	45	20	-
SPA140-04	4	140.0	145.5	2	2517	60	-	65	106	-	45	20	-
SPA150-04	4	150.0	155.5	2	2517	60	-	65	116	-	45	20	-
SPA160-04	4	160.0	165.5	2	2517	60	-	65	126	-	45	20	-
SPA170-04	4	170.0	175.5	2	2517	60	-	65	138	-	45	20	-
SPA180-04	4	180.0	185.5	2	2517	60	-	65	146	-	45	20	-
SPA190-04	4	190.0	195.5	2	2517	60	-	65	158	-	45	20	-
SPA200-04	4	200.0	205.5	2	3020	75	-	65	165	-	51	14	-
SPA224-04	4	224.0	229.5	2	3020	75	-	65	189	7	51	14	-
SPA250-04	4	250.0	255.5	6	3020	75	10	65	215	7	51	7	150
SPA280-04	4	280.0	285.5	6	3020	75	10	65	245	7	51	7	150
SPA315-04	4	315.0	320.5	6	3020	75	10	65	280	7	51	7	150
SPA355-04	4	355.0	360.5	5	3020	75	-	65	320	7	51	7	150
SPA400-04	4	400.0	405.5	5	3020	75	-	65	365	7	51	7	150
SPA450-04	4	450.0	455.5	5	3020	75	-	65	415	7	51	7	150
SPA500-04	4	500.0	505.5	5	3020	75	-	65	465	12	51	7	150
SPA560-04	4	560.0	565.5	4	3535	90	-	65	525	12	89	12	170
SPA630-04	4	630.0	635.5	4	3535	90	-	65	595	12	89	12	170
SPA800-04	4	800.0	805.5	4	3535	90	-	65	765	18.5	89	12	170
SPA1000-04	4	1000.0	1005.5	4	4040	100	-	65	965	0.5	102	18.5	216

ΤΡΟΧΑΛΙΕΣ SPA ΓΙΑ ΙΜΑΝΤΑ 13mm A/AX/SPA

SPA-5 ΜΑΝΤΕΜΕΝΙΕΣ





Πλάτος Κορυφής Αυλάκωσης (b_1):12,7
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):15,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):10,0 mm
Ελάχιστο Ύψος Αυλάκωσης (t):13,8 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 5,5 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 118 mm
38° για P.D. > 118 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPA100-05	5	100.0	105.5	2	1615	42	-	80	70	-	38	42	-
SPA106-05	5	106.0	111.5	8	2012	50	-	80	76	48	32	-	-
SPA112-05	5	112.0	117.5	8	2012	50	-	80	80	48	32	-	-
SPA118-05	5	118.0	123.5	2	2012	50	-	80	86	-	32	48	-
SPA125-05	5	125.0	130.5	3	2012	50	-	80	92	24	32	24	-
SPA132-05	5	132.0	137.5	3	2517	60	-	80	98	17.5	45	17.5	-
SPA140-05	5	140.0	145.5	3	2517	60	-	80	106	17.5	45	17.5	-
SPA150-05	5	150.0	155.5	3	2517	60	-	80	116	17.5	45	17.5	-
SPA160-05	5	160.0	165.5	3	2517	60	-	80	126	17.5	45	17.5	-
SPA180-05	5	180.0	185.5	3	3020	75	-	80	146	14.5	51	14.5	-
SPA200-05	5	200.0	205.5	3	3020	75	-	80	165	14.5	51	14.5	-
SPA224-05	5	224.0	229.5	2	3020	75	-	80	189	-	51	29	-
SPA250-05	5	250.0	255.5	6	3020	75	10	80	215	14.5	51	14.5	150
SPA280-05	5	280.0	285.5	7	3535	90	10	80	245	4.5	89	4.5	170
SPA315-05	5	315.0	320.5	7	3535	90	12	80	280	4.5	89	4.5	170
SPA355-05	5	355.0	360.5	4	3535	90	-	80	320	4.5	89	4.5	170
SPA400-05	5	400.0	405.5	4	3535	90	-	80	365	4.5	89	4.5	170
SPA450-05	5	450.0	455.5	4	3535	90	-	80	415	4.5	89	4.5	170
SPA500-05	5	500.0	505.5	4	3535	90	-	80	465	4.5	89	4.5	170
SPA560-05	5	560.0	565.5	4	3535	90	-	80	525	4.5	89	4.5	170
SPA630-05	5	630.0	635.5	4	3535	90	-	80	595	4.5	89	4.5	170
SPA800-05	5	800.0	805.5	4	4040	100	-	80	765	11	102	11	216
SPA1000-05	5	1000.0	1005.5	4	4545	110	-	80	965	17	114	17	225

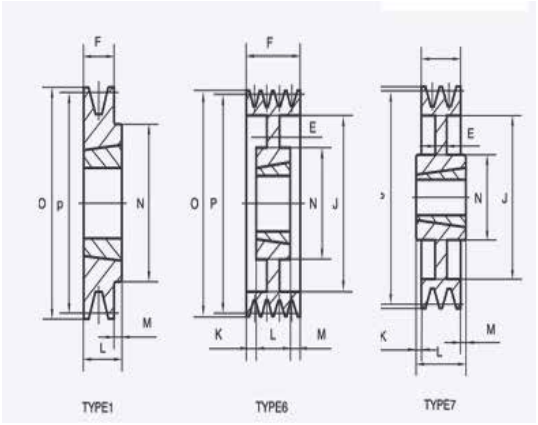
www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΤΡΟΧΑΛΙΕΣ SPB ΓΙΑ ΙΜΑΝΤΑ 17mm B/BX/SPB

SPB-1

ΜΑΝΤΕΜΕΝΙΕΣ





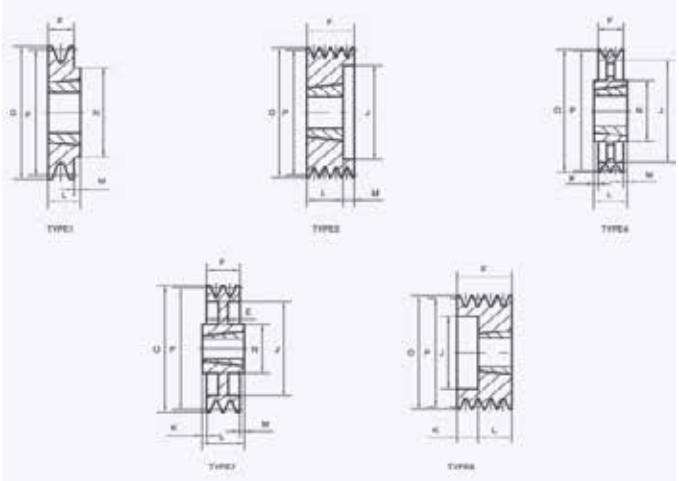
Πλάτος Κορυφής Αυλάκωσης (b_1): 16,3
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):19,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):12,5 mm
Ελάχιστο Ύψος Αυλάκωσης (t):17,5 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 7 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 190 mm
38° για P.D. > 190 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPB100-01	1	100.0	107,0	1	1610	42	-	25	-	-	25	-	-
SPB112-01	1	112.0	119,0	1	1610	42	-	25	-	-	25	-	-
SPB118-01	1	118.0	125,0	1	1610	42	-	25	-	-	25	-	-
SPB125-01	1	125.0	132,0	1	1610	42	-	25	-	-	25	-	-
SPB132-01	1	132.0	139,0	1	1610	42	-	25	-	-	25	-	-
SPB140-01	1	140.0	147,0	1	1610	42	-	25	-	-	25	-	-
SPB150-01	1	150.0	157,0	1	1610	42	-	25	-	-	25	-	-
SPB160-01	1	160.0	167,0	1	1610	42	-	25	-	-	25	-	-
SPB170-01	1	170.0	177,0	1	1610	42	-	25	-	-	25	-	-
SPB180-01	1	180.0	187,0	1	1610	42	-	25	-	-	25	-	-
SPB190-01	1	190.0	197,0	1	2012	50	10	25	137	-	25	-	80
SPB200-01	1	200.0	207,0	7	2012	50	10	25	147	3,5	32	3,5	100
SPB212-01	1	212.0	29,0	7	2012	50	10	25	157	3,5	32	3,5	100
SPB224-01	1	224.0	231,0	7	2012	50	10	25	169	3,5	32	3,5	100
SPB236-01	1	236.0	243,0	7	2012	50	10	25	181	3,5	32	3,5	100
SPB250-01	1	250.0	257,0	7	2012	50	10	25	207	3,5	32	3,5	100
SPB280-01	1	280.0	287,0	7	2012	50	10	25	237	3,5	32	3,5	100
SPB315-01	1	315.0	322,0	4	2012	50	10	25	272	3,5	32	3,5	100

ΤΡΟΧΑΛΙΕΣ SPB ΓΙΑ ΙΜΑΝΤΑ 17mm B/BX/SPB

SPB-2 ΜΑΝΤΕΜΕΝΙΕΣ





Πλάτος Κορυφής Αυλάκωσης (b_1): 16,3
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):19,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):12,5 mm
Ελάχιστο Ύψος Αυλάκωσης (t):17,5 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 7 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 190 mm
38° για P.D. > 190 mm

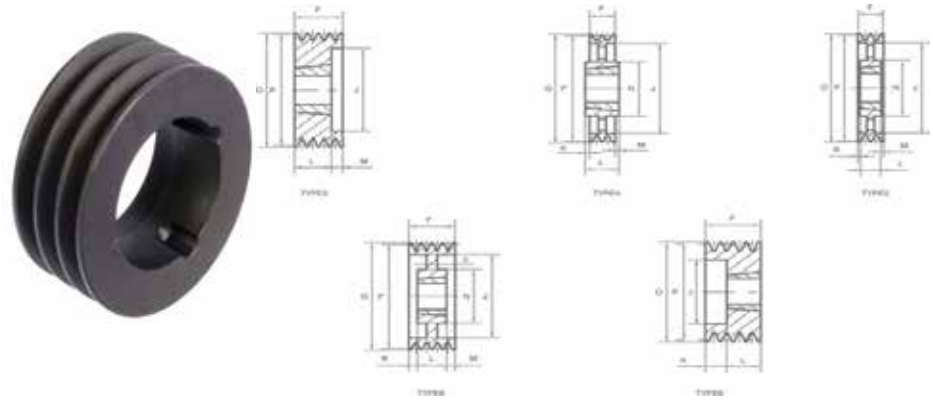
ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPB100-02	2	100.0	107,0	8	1610	42	-	44	62	-	25	19	-
SPB112-02	2	112.0	119,0	2	1610	42	-	44	72	-	25	19	-
SPB118-02	2	118.0	127,0	2	1610	42	-	44	78	-	25	19	-
SPB125-02	2	125.0	132,0	2	2012	50	-	44	82	-	32	12	-
SPB132-02	2	132.0	139,0	2	2012	50	-	44	89	-	32	12	-
SPB140-02	2	140.0	147,0	2	2012	50	-	44	97	-	32	12	-
SPB150-02	2	150.0	157,0	2	2012	50	-	44	107	-	32	12	-
SPB160-02	2	160.0	167,0	2	2012	50	-	44	117	-	32	12	-
SPB170-02	2	170.0	177,0	2	2012	50	-	44	127	-	32	12	-
SPB180-02	2	180.0	187,0	1	2517	60	-	44	-	-	45	1	120
SPB190-02	2	190.0	197,0	1	2517	60	-	44	--	-	45	1	120
SPB200-02	2	200.0	207,0	1	2517	60	-	44	-	-	45	1	120
SPB212-02	2	212.0	219,0	7	2517	60	10	44	169	-	45	1	120
SPB224-02	2	224.0	231,0	7	2517	60	10	44	181	1	45	-	120
SPB236-02	2	236.0	243,0	7	2517	60	10	44	193	1	45	-	120
SPB250-02	2	250.0	257,0	7	2517	60	10	44	207	1	45	-	120
SPB280-02	2	280.0	287,0	7	2517	60	12	44	237	1	45	-	120
SPB300-02	2	300.0	307,0	7	2517	60	12	44	257	1	45	-	120
SPB315-02	2	315.0	322,0	7	2517	60	12	44	272	1	45	-	120
SPB335-02	2	335.0	342,0	7	2517	60	12	44	292	1	45	-	120
SPB355-02	2	355.0	362,0	4	3020	75	-	44	312	3,5	51	3,5	150
SPB400-02	2	400.0	407,0	4	3020	75	-	44	357	3,5	51	3,5	150
SPB450-02	2	450.0	457,0	4	3020	75	-	44	407	3,5	51	3,5	150
SPB500-02	2	500.0	507,0	4	3020	75	-	44	457	3,5	51	3,5	10
SPB560-02	2	560.0	557,0	4	3030	75	-	44	517	4	76	28	150
SPB630-02	2	630.0	637,0	4	3030	75	-	44	587	4	76	28	150

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΤΡΟΧΑΛΙΕΣ SPB ΓΙΑ ΙΜΑΝΤΑ 17mm B/BX/SPB

SPB-3

ΜΑΝΤΕΜΕΝΙΕΣ



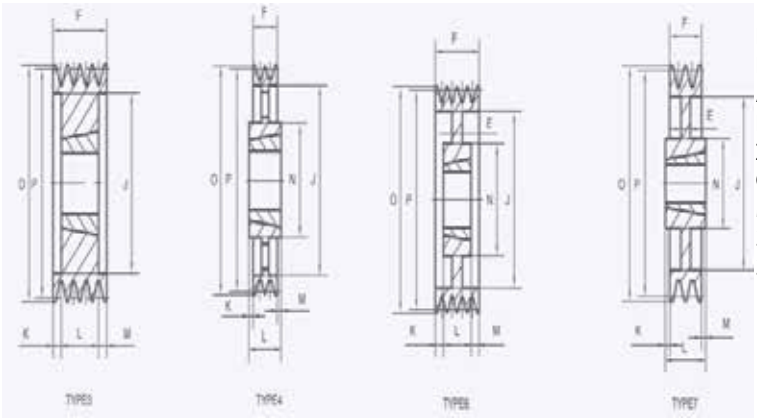
Πλάτος Κορυφής Αυλάκωσης (b_1): 16,3
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):19,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):12,5 mm
Ελάχιστο Ύψος Αυλάκωσης (t):17,5 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 7 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 190 mm
38° για P.D. > 190 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPB100-03	3	100.0	107,0	8	1610	42	-	63	57	-	25	38	-
SPB112-03	3	112.0	119,0	2	1610	42	-	63	72	-	25	38	-
SPB118-03	3	118.0	127,0	2	1610	42	-	63	78	-	25	38	-
SPB125-03	3	125.0	132,0	2	2012	50	-	63	82	-	32	31	-
SPB132-03	3	132.0	139,0	2	2012	50	-	63	89	-	32	31	-
SPB140-03	3	140.0	147,0	2	2012	50	-	63	97	-	32	31	-
SPB150-03	3	150.0	157,0	2	2517	60	-	63	107	-	45	18	-
SPB175-03	3	175.0	167,0	2	2517	60	-	63	117	-	45	18	-
SPB170-03	3	170.0	177,0	2	2517	60	-	63	127	-	45	18	-
SPB180-03	3	180.0	187,0	2	2517	60	-	63	137	-	45	18	-
SPB190-03	3	190.0	197,0	2	2517	60	-	63	147	-	45	18	-
SPB200-03	3	200.0	207,0	6	2517	60	-	63	157	-	45	18	-
SPB212-03	3	212.0	219,0	6	2517	60	12	63	169	-	45	18	120
SPB224-03	3	224.0	231,0	6	2517	60	12	63	181	-	45	18	120
SPB236-03	3	236.0	243,0	6	2517	60	10	63	193	-	45	18	120
SPB250-03	3	250.0	257,0	6	3020	75	12	63	207	-	51	12	150
SPB280-03	3	280.0	287,0	6	3020	75	13	63	237	6	51	6	150
SPB300-03	3	300.0	307,0	6	3020	75	13	63	257	6	51	6	150
SPB315-03	3	315.0	322,0	6	3020	75	13	63	272	6	51	6	150
SPB335-03	3	335.0	342,0	5	3020	75	13	63	292	6	51	6	150
SPB355-03	3	355.0	362,0	4	3020	75	-	63	312	6	51	6	150
SPB400-03	3	400.0	407,0	4	3535	90	-	63	357	13	89	13	170
SPB450-03	3	450.0	457,0	4	3535	90	-	63	407	-	89	26	170
SPB500-03	3	500.0	507,0	4	3535	90	-	63	457	-	89	26	170
SPB575-03	3	575.0	557,0	4	3535	90	-	63	517	-	89	26	170
SPB630-03	3	630.0	637,0	4	3535	90	-	63	587	-	89	26	170
SPB710-03	3	710.0	717,0	4	3535	90	-	63	664	4	89	22	170
SPB800-03	3	800.0	807,0	4	3535	90	-	63	754	4	89	22	170
SPB900-03	3	900.0	907,0	4	3535	90	-	63	854	4	89	22	170
SPB1000-03	3	1000.0	1007,0	4	4040	100	-	63	954	6	102	33	200
SPB1250-03	3	1250.0	1257,0	4	4040	100	-	63	1204	6	102	33	200

ΤΡΟΧΑΛΙΕΣ SPB ΓΙΑ ΙΜΑΝΤΑ 17mm B/BX/SPB

SPB-4 ΜΑΝΤΕΜΕΝΙΕΣ





Πλάτος Κορυφής Αυλάκωσης (b_1): 16,3
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):19,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):12,5 mm
Ελάχιστο Ύψος Αυλάκωσης (t):17,5 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 7 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 190 mm
38° για P.D. > 190 mm

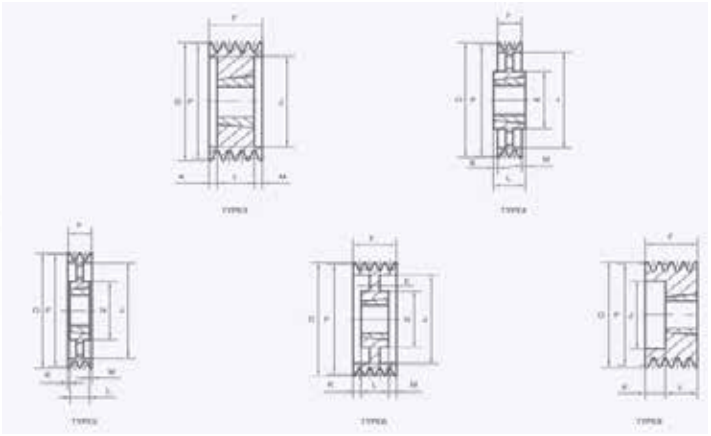
ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPB125-04	4	125.0	132,0	3	2012	50	-	82	82	25	32	25	-
SPB132-04	4	132.0	139,0	3	2012	50	-	82	89	25	32	25	-
SPB140-04	4	140.0	147,0	3	2517	600	-	82	97	18.5	45	18,5	-
SPB150-04	4	150.0	157,0	3	2517	60	-	82	107	18.5	45	18,5	-
SPB175-04	4	175.0	167,0	3	2517	60	-	82	117	18.5	45	18,5	-
SPB170-04	4	170.0	177,0	3	2517	60	-	82	127	18.5	45	18,5	-
SPB180-04	4	180.0	187,0	3	2517	60	-	82	137	18.5	45	18,5	-
SPB190-04	4	190.0	197,0	3	2517	60	-	82	147	18.5	45	18,5	-
SPB200-04	4	200.0	207,0	3	3020	75	-	82	157	15,5	51	15,5	-
SPB212-04	4	212.0	219,0	3	3020	75	-	82	169	15,5	51	15,5	-
SPB224-04	4	224.0	231,0	3	3020	75	-	82	181	15,5	51	15,5	-
SPB236-04	4	236.0	243,0	3	3020	75	-	82	193	15,5	51	15,5	-
SPB250-04	4	250.0	257,0	6	3020	75	14	82	207	15,5	51	15,5	150
SPB280-04	4	280.0	287,0	6	3020	75	16	82	237	15,5	51	15,5	150
SPB300-04	4	300.0	307,0	6	3020	75	16	82	257	15,5	51	15,5	150
SPB315-04	4	315.0	322,0	7	3535	90	16	82	272	3,5	89	3,5	170
SPB335-04	4	335.0	342,0	7	3535	90	16	82	292	3,5	89	3,5	170
SPB355-04	4	355.0	362,0	7	3535	90	16	82	312	3,5	89	3,5	170
SPB400-04	4	400.0	407,0	4	3535	90	-	82	357	3,5	89	3,5	170
SPB450-04	4	450.0	457,0	4	3535	90	-	82	407	-	89	7	170
SPB500-04	4	500.0	507,0	4	3535	90	-	82	457	-	89	7	170
SPB575-04	4	575.0	557,0	4	3535	90	-	82	517	-	89	7	170
SPB630-04	4	630.0	637,0	4	3535	90	-	82	587	-	89	7	170
SPB710-04	4	710.0	717,0	4	3535	90	-	82	664	**3,5**	89	3,5	187
SPB800-04	4	800.0	807,0	4	4040	100	-	82	754	4	102	16	200
SPB900-04	4	900.0	907,0	4	4040	100	-	82	854	4	102	16	216
SPB1000-04	4	1000.0	1007,0	4	4040	100	-	82	954	4	102	16	216
SPB1250-04	4	1250.0	1257,0	4	4545	110	-	82	1204	6	114	26	225

www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

ΤΡΟΧΑΛΙΕΣ SPB ΓΙΑ ΙΜΑΝΤΑ 17mm B/BX/SPB

SPA-5 ΜΑΝΤΕΜΕΝΙΕΣ





Πλάτος Κορυφής Αυλάκωσης (b_t): 16,3
Βήμα Αυλακώσεων (e) (Κέντρο με Κέντρο):19,0
Απόσταση Χείλους έως 1ο Αυλάκι (f):12,5 mm
Ελάχιστο Ύψος Αυλάκωσης (t):17,5 mm
Σχέση Εξωτερικής / Ονομαστικής Διαμέτρου
O.D. = P.D. + 7 mm
Μεταβολή Μοιρών Αυλάκωσης
34° για P.D. ≤ 190 mm
38° για P.D. > 190 mm

ITEM NO.	NO.OF GROOVE	P.D	O.D	TYPE	BUSH No	MAX BORE	E	F	J	K	L	M	N
SPB125-05	5	125.0	132,0	8	2012	50	-	101	82	69	32	-	-
SPB132-05	5	132.0	139,0	8	2517	60	-	101	89	56	45	-	-
SPB140-05	5	140.0	147,0	3	2517	60	-	101	97	28	45	28	-
SPB150-05	5	150.0	157,0	3	2517	60	-	101	107	28	45	28	-
SPB175-05	5	175.0	167,0	3	2517	60	-	101	117	28	45	28	-
SPB170-05	5	170.0	177,0	3	3020	675	-	101	127	25	51	25	-
SPB180-05	5	180.0	187,0	3	3020	75	-	101	137	25	51	25	-
SPB190-05	5	190.0	197,0	3	3020	75	-	101	147	25	51	25	-
SPB200-05	5	200.0	207,0	3	3020	75	-	101	157	25	51	25	-
SPB212-05	5	212.0	219,0	3	3020	75	-	101	169	25	51	25	-
SPB224-05	5	224.0	231,0	3	3020	75	-	101	181	25	51	25	-
SPB236-05	5	236.0	243,0	3	3535	90	-	101	193	6	89	6	-
SPB250-05	5	250.0	257,0	3	3535	90	-	101	207	6	89	6	-
SPB280-05	5	280.0	287,0	6	3535	90	18	101	237	6	89	6	170
SPB300-05	5	300.0	307,0	6	3535	90	18	101	257	6	89	6	170
SPB315-05	5	315.0	322,0	6	3535	90	18	101	272	6	89	6	170
SPB335-05	5	335.0	342,0	6	3535	90	16	101	292	6	89	6	170
SPB355-05	5	355.0	362,0	5	3535	90	-	101	312	6	89	6	170
SPB400-05	5	400.0	407,0	5	3535	90	-	101	357	6	89	6	170
SPB450-05	5	450.0	457,0	5	3535	90	-	101	407	-	89	12	170
SPB500-05	5	500.0	507,0	5	3535	90	-	101	457	-	89	12	170
SPB575-05	5	575.0	557,0	4	4040	100	-	101	517	-	102	1	200
SPB630-05	5	630.0	637,0	4	4040	100	-	101	587	-	102	1	200
SPB710-05	5	710.0	717,0	4	4040	100	-	101	664	0,5	102	0,5	200
SPB800-05	5	800.0	807,0	4	4040	100	-	101	754	0,5	102	0,5	200
SPB900-05	5	900.0	907,0	4	4545	110	-	101	854	6,5	114	6,5	225
SPB1000-05	5	1000.0	1007,0	4	4545	110	-	101	954	6,5	114	6,5	225
SPB1250-05	5	1250.0	1257,0	4	4545	110	-	101	1204	6,5	114	6,5	225

HRC TAPER BORE

HRC | ΜΑΝΤΕΜΕΝΙΕΣ

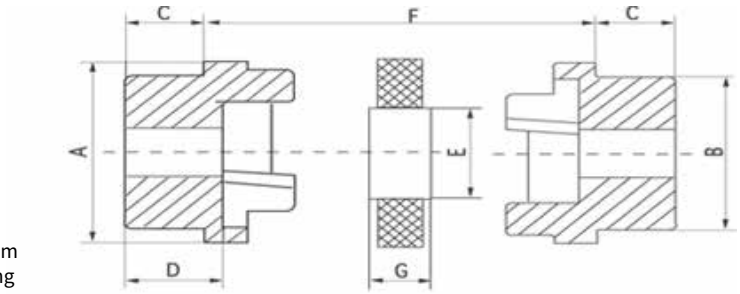




Flange type F – taper bush fits from inside of coupling



Flange type H – taper bush fits from outside of coupling



FLANGE-CAST IRON INSERT-RUBBER

Size	Bush	A	B	E	F	G	C	D	J	Max bore mm	Max bore inch	L	Maximum misalignment Parallel	Maximum misalignment Axial	Max Revolution n(rpm)	Moment of inertia (kg.cm²)	G (Kg)
70	1008	69	60	31	25	18	20	23.5	29	25	1	65	0.3	+0.2	9100	8.5	1.00
90	1108	85	70	32	30.5	22.5	19.5	23.5	29	28	1 1/8	69.5	0.3	+0.5	7400	11.5	1.17
110	1610	112	100	45	45	29	18.5	26.5	38	42	1 5/8	82	0.3	+0.6	5630	40	5.00
130	1610	130	105	50	53	36	18	26.5	38	42	1 5/8	89	0.4	+0.8	4850	78	5.46
150	2012	150	115	60	60	40	23.5	33.5	42	50	2	107	0.4	+0.9	4200	181	7.11
180	2517	180	125	77	73	49	34.5	46.5	48	60	2 1/2	142	0.4	+1.1	3500	434	16.60
230	3020	225	155	99	85.5	59.5	39.5	52.5	55	75	3	165	0.5	+1.3	2800	1207	26.00
280	3525	275	206	119	106	74.5	51	66.5	67	100	4	208	0.5	+1.7	2300	4465	50.00

J-the wrench clearance rquired for tightening and loosening the bush on the shaft.
L=2C+f

POWER RATINGS(KW)

SPEED rev/min	Coupling Size 70	90	110	130	150	180	230	280
100	0.33	0.84	1.68	3.30	6.28	9.95	20.9	33.0
200	0.66	1.68	3.35	6.60	12.6	19.9	41.9	65.0
400	1.32	3.35	6.70	13.2	25.1	39.8	83.8	132
600	1.98	5.03	10.1	19.8	37.7	59.7	126	198
720	2.37	6.03	12.1	23.8	45.2	71.6	151	238
800	2.64	6.70	13.4	26.4	50.3	79.6	168	264
960	3.17	8.04	16.1	31.7	60.3	95.5	201	317
1200	3.96	10.1	20.1	39.6	75.4	119	251	396
1440	4.75	12.1	24.1	47.5	90.5	143	302	475
1600	5.28	13.4	26.8	52.8	101	159	335	528
1800	5.94	15.1	30.2	59.4	113	179	377	594
2000	6.60	16.8	33.5	66.0	126	199	419	660
2200	7.26	18.4	36.9	72.6	138	219	461	726
2400	7.92	20.1	40.2	79.2	151	239	503	
2600	8.58	21.8	43.6	85.8	163	259	545	
2880	9.50	24.1	48.3	95	181	286		
3000	9.90	25.1	50.3	99	188	298		
3600	11.9	30.1	60.3	118	226			
Nominal Torgue(Nm)	31.5	80	160	315	600	950	2000	3150
Max Torgue(Nm)	72	180	360	720	1500	2350	5000	7200

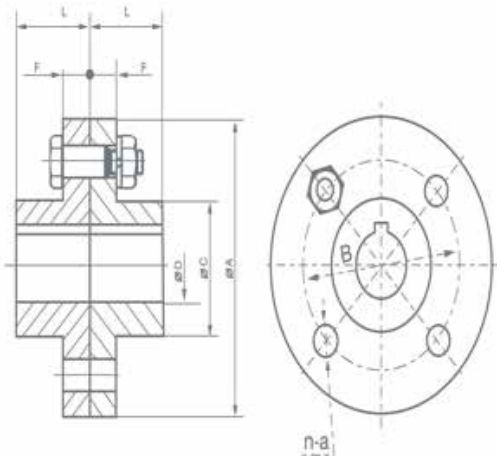
www.powertc.gr-info@powertc.gr - 10klm Thessaloniki-Kavala P.O 57200 Derveni Thessaloniki tel: (0030) 2394 121047

FCL Couplings

FCL ΜΑΝΤΕΜΕΝΙΕΣ

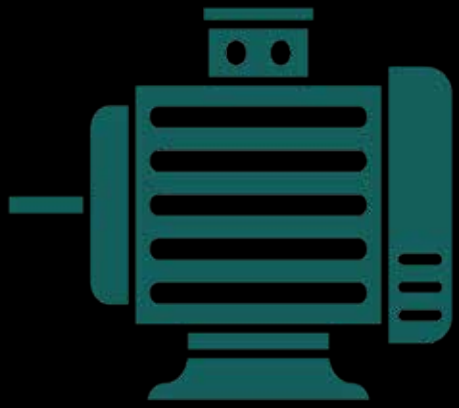






Size	Basic dimensions						Bore		Bolts		Max Torque (Nm)	Max Revolution n(rpm)	Moment of inertia ($kg.cm^2$)	G (kg)
	A	C	B	a	L	F	Pilot	Max	Sizes	Qty				
FL-100	100	42.5	67	10	35.5	16	-	25	M10	4	63	4000	25	2.11
FL-112	112	50	75	10	40	16	-	28	M10	4	90	4000	40	2.75
FL-125	125	56	85	14	45	18	-	32	M14	4	130	4000	70	3.85
FL-140	140	71	100	14	50	18	-	38	M14	6	220	4000	120	5.35
FL-160	160	80	115	14	56	18	-	45	M14	8	360	4000	200	7.15
FL-180	180	90	132	14	63	18	-	50	M14	8	500	3800	330	9.42
FL-200	200	100	145	20	71	22.4	18	56	M20	8	710	3550	650	14.70
FL-224	224	112	170	20	80	22.4	18	63	M20	8	1000	3150	1000	18.90
FL-250	250	125	180	25	90	28	20	71	M20	8	1400	2800	1900	27.40
FL-280	280	140	200	28	100	28	30	80	M24	8	2000	2500	3100	36.40
FL-315	315	160	236	28	112	28	32	90	M24	10	2800	2240	5100	49.00
FL-355	355	180	260	35.5	125	35.5	32	100	M30	8	4000	2000	10000	75.30
FL-400	400	200	300	35.5	125	35.5	50	110	M30	10	5300	1800	16000	95.20
FL-450	450	224	355	35.5	140	35.5	60	125	M30	12	7500	1600	27000	125.00
FL-560	560	250	450	35.5	160	35.5	80	140	M30	14	11000	1250	61000	189.00
FL-630	630	280	530	35.5	180	35.5	90	160	M30	18	16000	1120	100000	250.00





PTC

ΓΙΑΝΝΑΚΟΥΔΑΚΗ

-Equipment you can trust

POWER TRANSMISSION CENTER

ΕΞΟΠΛΙΣΜΟΣ ΜΕΤΑΔΟΣΗΣ ΚΙΝΗΣΗΣ

10 klm Thessaloniki Kavala 57200
Derveni Thessaloniki
Telephone: +30 2394 121047
E-mail: info@powertc.gr

www.powertc.gr