



PRAKASH DRILLING MACHINES

Product Catalog

Ver 2024.06

(This catalog can be best viewed as Full Screen)

Prakash Engitech Pvt. Ltd.

Rajkot (Gujarat) **INDIA**

Mo. : 9408700300 / 400 / 500 / 600

 : sales@prakashmachines.in

 : www.prakashmachines.in

Online Presence :



Radial Drill Machines



DC411



R40AA



R40G



R40BA



R40



R25

Pillar Drill Machines



P40NEO



P38

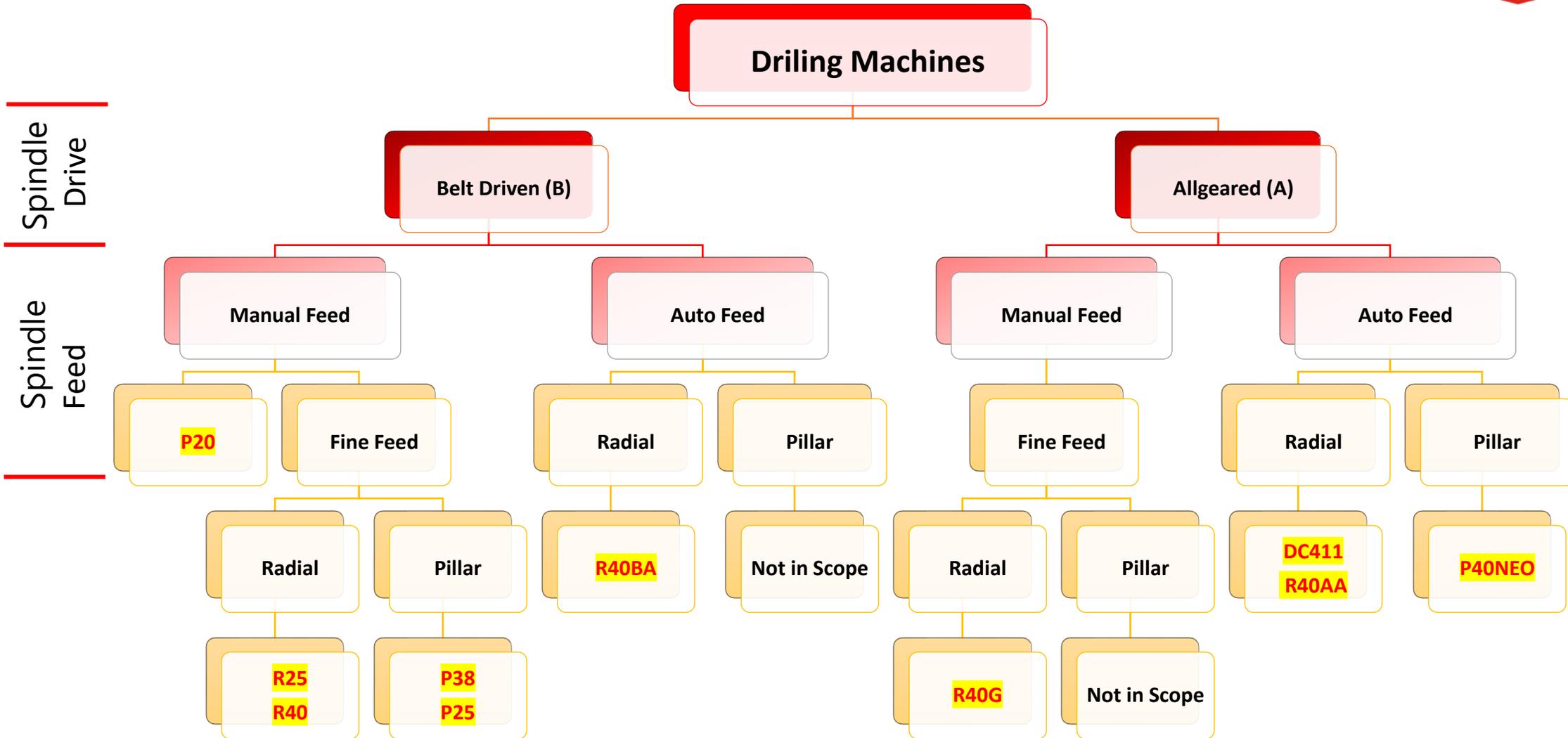


P25



P20

Types and model of machine as per drive and feed mechanisms :



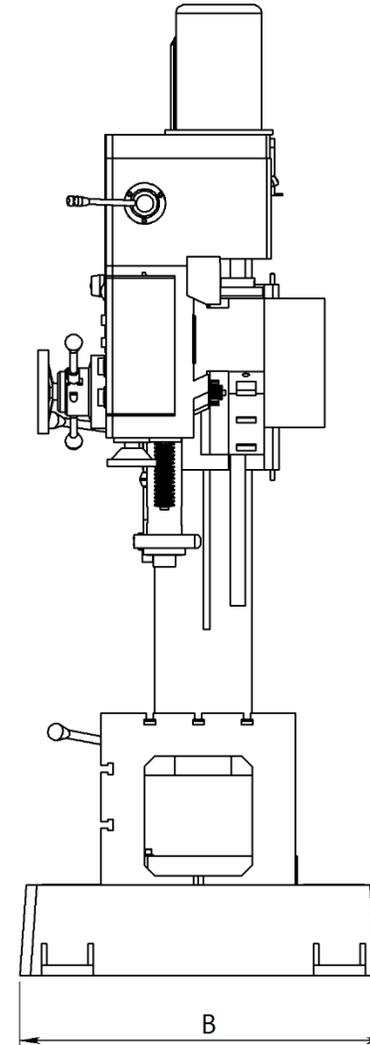
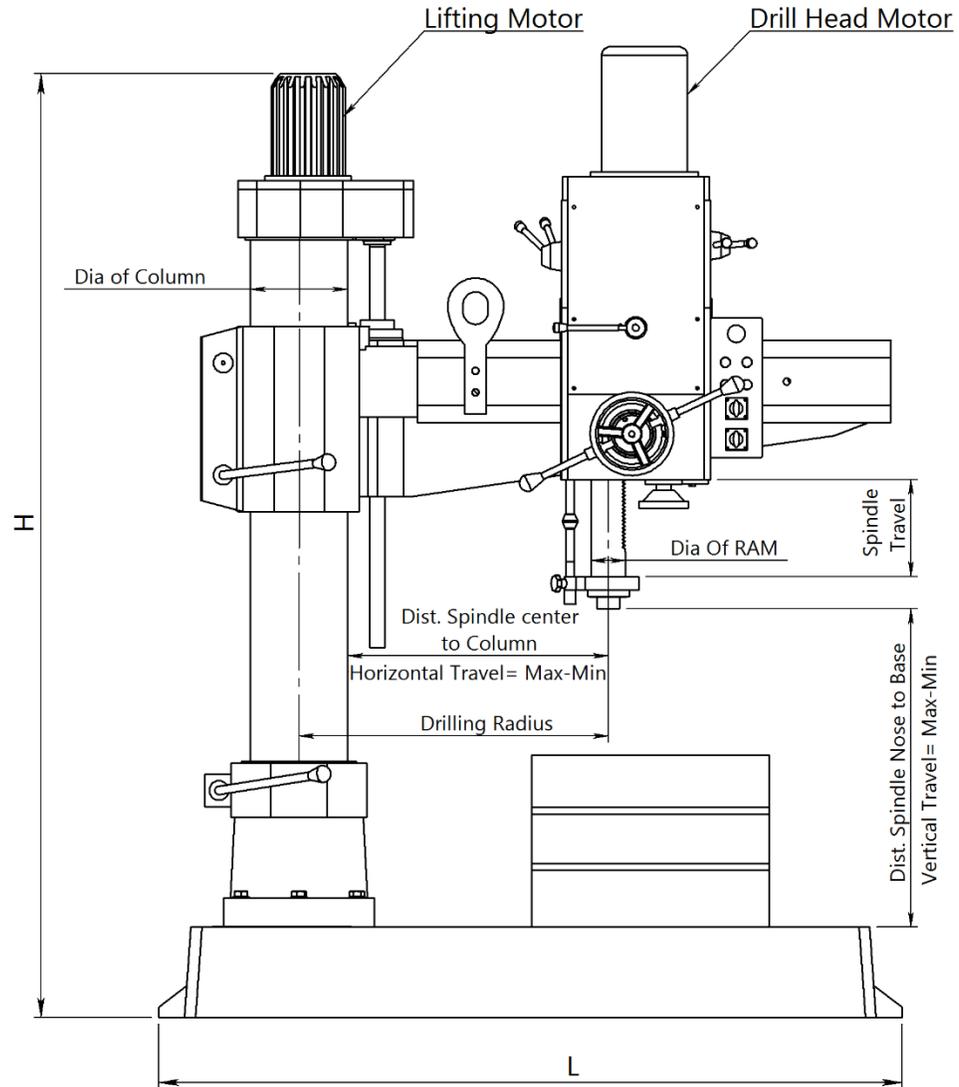
Machine selection chart as per application :



		Drilling Capacity	Workpiece Size	Production Batch Size	No. of sizes of Diff Holes in a Workpiece	Drilling	Tapping	Reaming	Boring
Radial	DC411	42	Large	Mass	More	●	●	●	●
	R40AA	40	Big	Mass	More	●	●	●	●
	R40G	40	Big	Mass	More	●	●	●	
	R40BA	40	Big	Medium	Moderate	●	●	●	●
	R40	40	Big	Medium	Moderate	●	●	●	
	R25	25	Small	Small	Moderate	●	●	●	
Pillar	P40NEO	40	Big	Mass	More	●	●	●	●
	P38	38	Big	Mass	Moderate	●	●	●	
	P25	25	Small	Mass	Moderate	●	●	●	
	P20	20	Small	Mass	Moderate	●	●	●	

This illustration is tentative only. Final selection may depend on actual applications. Please contact us for any technical information required.

How to read specifications of Radial and Pillar Drill Machines





PRAKASH DRILLING MACHINES

Radial Drill Machines



Model : **R25**

25 mm Cap.
Backgeared Finefeed Radial Drill Machine

	Description	R25
CAPACITY	Drilling in M.S.	25
	Drilling in C.I.	45
	Tapping in M.S.	20
	Spindle Travel	175
DRILL HEAD	Spindle Hole Taper	MT - 3
	Spindle Speeds (RPM x steps)	105-2650 x 8
	Diameter of RAM	72
	Spindle Feed Type	Fine Feed
WORKING RANGE	Max/Min Dist. Spindle nose to base	860/100
	Max/Min Dist. Spindle centre to column	640/330
	Max. Drilling Radius	705
	Machine Measurement (L x B x H)	930 x 580 x 1750
	Diameter of Column	130
	Work Table	265x200x200 All for sides useful
	Working Range (On Base)	650 x 600
POWER	Drill Head Motor	1 HP /1440 RPM
	Lifting Motor	0.5 HP / 1440 RPM
	Lifting Motor V- belt	A-23 / A-24
	Head Motor V-belt	B-42 / B43

Model : R25

25 mm Cap. Radial Drill Machine
With Fine Feed



Key Features

- Taper Wedge
- All side useful Boxtable



Catalog Map 

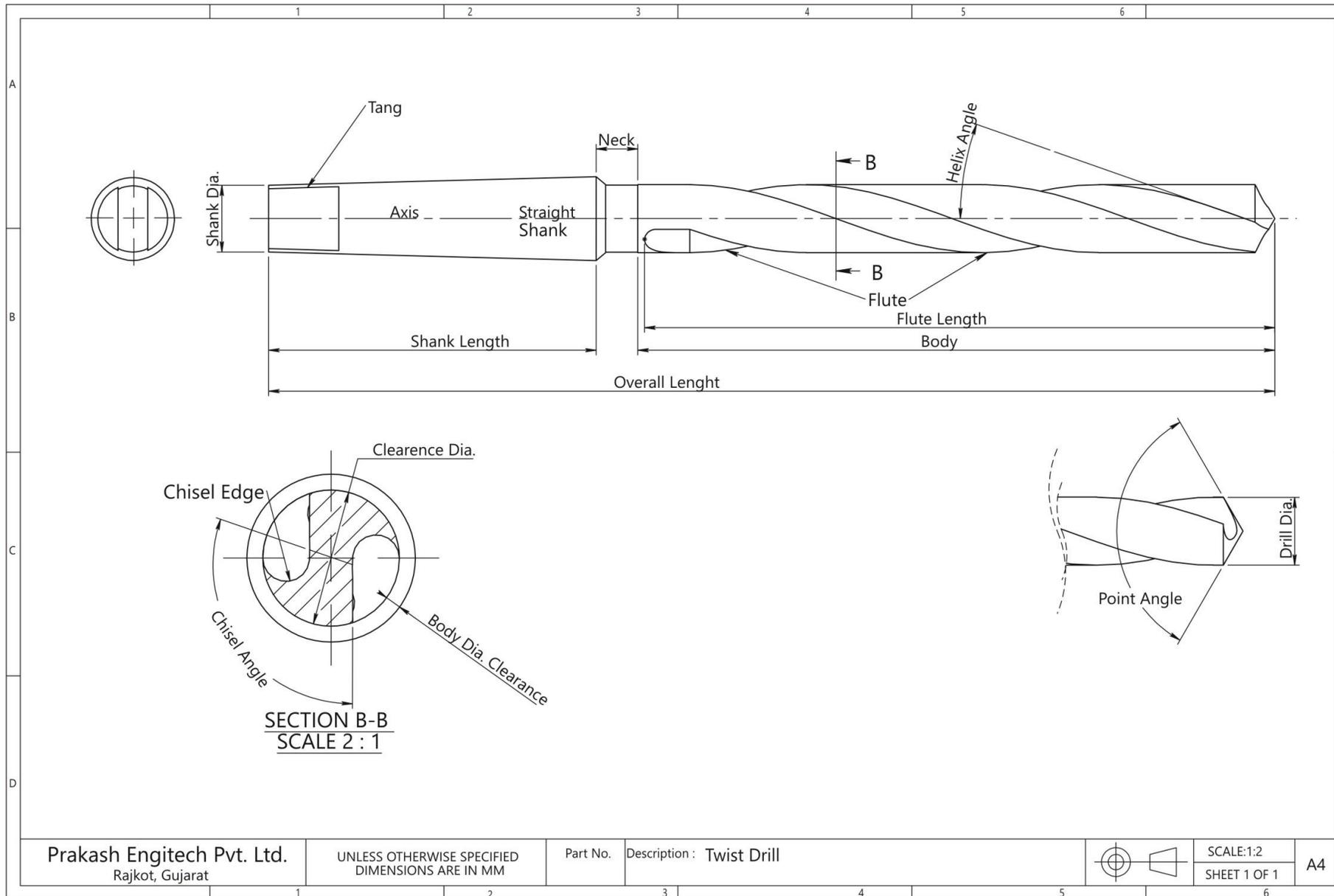


PRAKASH DRILLING MACHINES

General Drilling Data



Twist Drill Nomenclature



Prakash Engitech Pvt. Ltd.
Rajkot, Gujarat

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

Part No. Description : Twist Drill



SCALE:1:2
SHEET 1 OF 1

A4





Nominal Dia		B.S.W.		B.S.P. & B.S.P.T.		
Fractional	Major Min Dia Inch	TPI	Drill Size	Major Min Dia	TPI	Drill Size
1/16"	0.0635	60	no.55	-	-	-
3/32"	0.095	48	no.48	-	-	-
1/8"	0.1262	40	2.55m	0.383	28	8.75m
5/32"	0.1576	32	3.10m	-	-	-
3/16"	0.1891	24	3.7m	-	-	-
7/32"	0.2204	24	11/64"	-	-	-
1/4"	0.2518	20	5.1m	0.518	19	11.8m
9/32"	0.283	20	no.1	-	-	-
5/16"	0.3143	18	6.5m	-	-	-
3/8"	0.377	16	5/16"	0.656	19	15.25m
7/16"	0.4397	14	9.25m	-	-	-
1/2"	0.5024	12	10.5m	0.825	14	3/4"
9/16"	0.5649	12	12.1m	-	-	-
5/8"	0.6274	11	13.5m	0.902	14	53/64"
11/16"	0.6899	11	19/32"	-	-	-
3/4"	0.7526	10	41/64"	1.041	14	24.5m
13/16"	0.8151	10	18.25m	-	-	-
7/8"	0.8776	9	19.25m	1.189	14	28.25m
15/16"	0.9401	9	21m	-	-	-
1"	1.0028	8	22m	1.309	11	30.75m
1.1/8"	1.128	7	24.75m	-	-	-
1.1/4"	1.253	7	1.3/32"	1.65	11	39.5m
1.3/8"	1.3782	6	1.3/16"	-	-	-
1.1/2"	1.5032	6	33.5m	1.882	11	1.25/32"
1.5/8"	1.6286	5	1.27/64"	-	-	-
1.3/4"	1.7536	5	39m	2.116	11	51.5m
1.7/8"	1.8788	4.5	1.21/32"	-	-	-
2"	1.0038	4.5	44.5m	2.343	11	2.1/4"

Drilling Size For Tapping

British Standard Whitworth
Form Threads 55° Inc.
Angle





Drilling Size For Tapping

Metric Form Threads

Nominal Dia. M.M.	SYSTEM INTERNATIONAL		
	Major Min. Dia.	Pitch	Drill Size
6	0.2378	1	5m
7	0.2772	1	6m
8	0.3168	1.25	17/64"
9	0.3561	1.25	7.7m
10	0.3957	1.5	8.4m
11	0.4351	1.5	9.5m
12	0.4746	1.75	10.25m
13	-	1.75	11.25m
14	0.5534	2	12m
16	0.6321	2	35/64"
18	0.7113	2.5	39/64"
20	0.79	2.5	11/16"
22	0.8687	2.5	49/64"
24	0.9477	3	21m
27	1.0658	3	24m
30	1.1841	3.5	26.5m
33	1.3022	3.5	29.5m
36	1.4205	4	32m
39	1.5386	4	35m
42	1.6566	4.5	37.5m
45	1.775	4.5	40.5m
48	1.8935	5	43m
52	2.0508	5	47m
56	2.2085	5.5	50.5m
60	2.366	5.5	54.5m