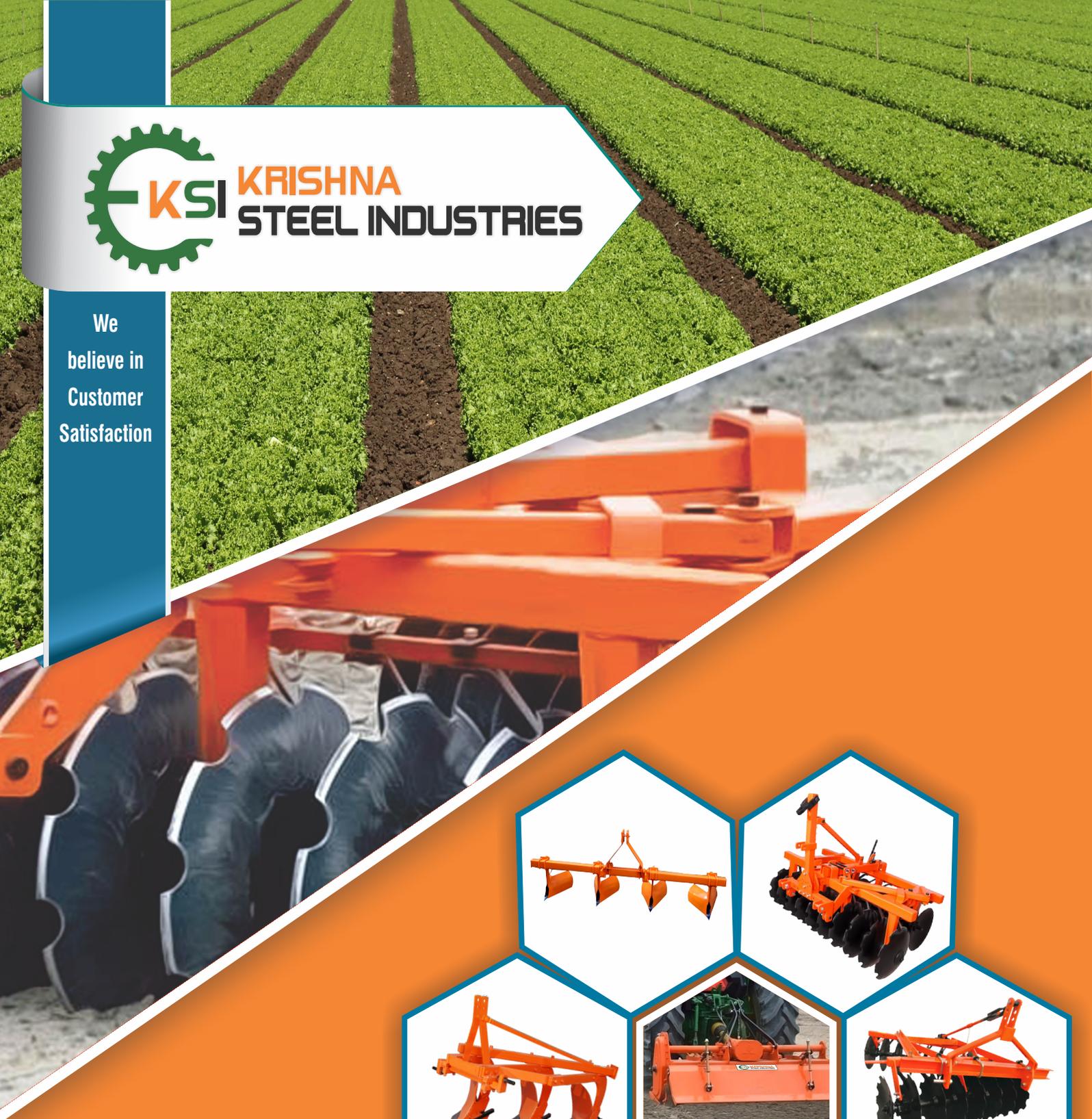




KRISHNA
STEEL INDUSTRIES

We
believe in
Customer
Satisfaction



**MANUFACTURER
& EXPORTER OF
AGRICULTURAL
EQUIPMENTS**

DISC BLADES



SPECIFICATIONS

Material

High Carbon Steel
Chrome steel
Boron steel

Sizes Available

Diameter - 12" to 30"
Thickness - 3mm to 10mm

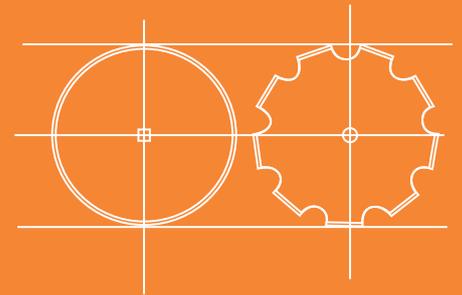
Types of Discs

Harrow Disc - Plain & Notched
Plough Disc
Center Flat Disc
Center Conical Disc
Flat Coulter Disc

Disc Features & Quality



ZORRO disc blades are carefully heat treated for the optimum set of mechanical properties to be ingrained to engage with the rocks, boulders and other obstructions during the working life of the blades in the field. The discs have a delicate balance of hardness and flexibility which is vital. Hardness ensures it breaks through the stones and other foreign blocks and flexibility ensures that the disc can take enough load and re-gain its original shape after a harder object comes through.



ZORRO

TOUGH DISC BLADES

MOUNTED DISC PLOUGH



BENEFITS :-

- The disc plough is designed to work in all types of soil for basic functions such as soil breaking, soil raising, soil turning and soil mixing.
- It is used to open the new fields and to process the stony areas.
- It can be used easily at rocky and rooted areas. It is especially useful in hard and dry trashy land conditions and in soils where scouring is a major problem.

FEATURES :-

- In conformity with the soil conditions it is being produced with 2-3-and 4 bottoms version with an option for extra kit for converting it to extra-bottom plough.
- It is directly mounted to the tractors. Extra heavy-duty pipe frame has high trash clearance allowing the plough to operate under heavy crop residue.

SPECIFICATIONS

CODE	MDP-001A	MDP-001A	MDP-001B	MDP-001C
SIZE	1 BOTTOM	2 BOTTOM	3 BOTTOM	4 BOTTOM
FRAME	EXTRA HEAVY DUTY TUBULAR	EXTRA HEAVV DUTY TUBULAR	EXTRA HEAVV DUTY TUBULAR	EXTRA HEAVV DUTY TUBULAR
	FRAME (OD 168mm.ID 148 mm)	FRAME (OD168 mm. ID148 mm)	FRAME (OD 168mm.ID 148mm)	FRAME (OD 168mm.ID 148mm)
MOUNTED	CAT-II	CAT-II	CAT-II	CAT-II
DISCS	660X6 mm	660x6 mm	570 mm	570 mm
COLTER DISC	500X6 mm	500x6 mm	500x6 mm	500x6 mm
SCRAPPER	12mm -fixed	12 mm-fixed	12 mm- fixed	12 mm- fixed
BEARING	2 Nos.Taper Roller/disc	2Nos.Taper Roller/disc	2Nos.Taper Roller/disc	2Nos. Taper Roller/disc
OVERALL LENGTH	1800 mm	1800 mm	2400 mm	3000 mm
OVERALL WIDTH	820 mm	820 mm	1040 mm	1260 mm
OVERALL HEIGHT	1200 mm	1200 mm	1200 mm	1200 mm
WIDTH OF CUT	500-550mm	500-550 mm	875-925 mm	1150-1200 mm
DEPTH OF CUT	203-304 mm	203-304 mm	203-304 mm	203-304 mm
WEIGHT	195 kq (approx)	295 kq (approx)	395 kq (approx)	495 kq (approx)
TRACTOR (HP)	45-50	45-50	60-65	75-85

HEAVY DUTY RIGID CULTIVATOR



SPECIFICATIONS

BENEFITS :-

- Heavy Duty Rigid Cultivator is designed to withstand toughest work conditions of hard black soils. The profile cut tynes get their strength because of a peculiar design in which the stress prone points are shaped to resist any distorting strains.

FEATURES :-

- When one tyne strikes a hidden object, the others continue to work at the correct depth.
- Spring Loaded assemblies derive their strength from heavy-duty angles, which once fixed to the immensely strong main frame cannot move or strain out of position.
- Spring with 10 mm wire provides carrying strength.

	9TYNE	11TYNE	13TYNE
FRAME [mm]	72X72X6Tublar Frame		
TYNES [mm]	Profile cut single plece 22/25/28mm		
LINKAGE 3 POINT [mm]	65x16Front,50x16Rear		
SHOVELS [mm]	8[EN-45]		
LENGTH [mm]	2010	2467	2924
WIDTH [mm]	559		
HEIGHT [mm]	533		
WEIGHT [kg.Approx]	210	250	290
TRACTOR POWER [HP]	40-45	50-55	60-65

MOULD BOARD PLOUGH



SPECIFICATIONS

BENEFITS :-

- It can handle the toughest ploughing job with outstanding penetration performance.
- It is designed to work in all types of soil for basic functions such as soil breaking, soil raising and soil turning.
- It can be used in stony & rooted soils.

FEATURES :-

- The under-frame and unit-to-unit clearance are adequate to cope with trashy conditions.
- Adding an extra furrow or repositioning units to allow for extra clearance is quick and easy.
- The plough has special wear-resistant steel bottoms with bar points for toughest ploughing jobs.

	2FURROW	3FURROW
FRAME	80X80X7mm box and 50mm round	
TYNE	36 mm profile cut single piece	
LENGTH (L)	1300mm	1800mm
HEIGHT	1066mm	
BLADE	10mm	
MOULD BOARD	8mm	
SHOVEL	40x25 mm Bar(en-42 Forged)	
WIDTH OF CUT (B)	350 mm	525mm
LENGTH	610mm	910mm
CUTTING WIDTH	235 kgs.	350 kgs.
Weight	352 kgs.	400 kgs.
TRACTOR POWER (HP)	50-65	65-70

**EXTRA HEAVY
DUTY SPRING
LOADED TILLER**



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BENEFITS :-

- Suitable for use in stone and root obstructed soil.
- It is designed for toughest operations.
- Used for loosening and aerating soil to a depth of nine inches.
- Prepares seed beds quickly and economically.

FEATURES :-

- When one tyne strikes a hidden object, the others continue to work at the correct depth.
- Spring Loaded assemblies derive their strength from heavy-duty angles, which once fixed to the immensely strong main frame cannot move or strain out of position.
- Spring with 10 mm wire provides carrying strength.

SPECIFICATIONS

CODE	7TYNE	9TYNE	11TYNE	13TYNE
FRAME	75X40 mm (Channel)SAIL	75X40 mm (Channel)SAIL	100X50 mm (Channel)SAIL	100X50 mm (Channel)SAIL
SPRING	10mmWD,50mmOD,28.5 Coils	10 mmWD,50mmOD,28.5 Coils	10 mmWD,50 mmOD,28.5Coils	10mmWD,50 mmOD,28.5Coils
TYNES	50X25 mm (Forged)	50x25 mm (Forged)	50x25 mm (Forged)	50x25mm (Forged)
PAIRS	65X65X6mmAngle(MainSteel)	65x65x6mm Angle(MainSteel)	65x65x6mm Angle(MainSteel)	65x65x6mmAngle(MainSteel)
ANCHORPIN	22mm	22mm	22mm	22mm
NUTS	Nylock	Nylock	Nylock	Nylock
FRAMEBOLT	M12X35	M12X35	M12X35	M12X35
TYNEBOLT	M18X65	M18X65	M18X65	M18X65
THREE LINKAGE POINT	50x16mm (Rear&Front)	50x16mm(Rear&Front)	50x16mm(Rear&Front)	50x16mm(Rear&Front)
TILLERPIN	36mm	36mm	36mm	36mm
SHOVEL	8mmEN-45	8mmEN-45	8mmEN-45	8mmEN-45
OVERALL LENGTH	1543mm	2000mm	2457 mm	2914 mm
OVERALL WIDTH	876 mm	876 mm	876 mm	876 mm
OVERALL HEIGHT	1085 mm	1085mm	1085mm	1085 mm
WORKING WIDTH	1600mm	2057.4mm	2514.6mm	2971.8mm
WORKING DEPTH	203-228mm	203-228mm	203-228mm	203-228 mm
WEIGHT	220kg	285kg	385 kg	450 kg

MOUNTED OFFSET DISC HARROW

KRISHNA STEEL INDUSTRIES



BENEFITS :-

- Used in open field workings for the superficial ploughing, for the shattering of clods, preparation of soil for sowing, burial of organic substances & remains.
- To air the soil and to eliminate the weeds.
- For breaking the roots.
- It has low purchasing and utilization costs both for its wide working width, and for its high speed (from 7 to 15 km/hour).
- Angle can be easily adjustable.
- It can be used in light and medium soil.

FEATURES :-

- High quality steel discs.
- Tillage depth of the harrow is 6 inch.
- Easily transportable - as it gets easily attached and mounted.
- Maintenance is easy but need to be scheduled

SPECIFICATIONS

Code	6X6	7x7	8x8	9x9	10x10
NO.OF DISCS	12	24	16	18	20
FRAME	75X10 mmAngle with 100x50 mm Channel	75x10 mmAngle with 100x50 mmChannel	75x10 mm Angle with 100x50 mmChannel	75x10 mm Angle with 100x50 mm Channel	75x10 mm Angle with 100x50 mm Channel
GANG BOLT	Central Square Solid Bar	Cent. Squ. Solid Bar	Cent. Squ. Solid Bar	Cent. Squ. Solid Bar & gangs	Cent. Square Solid Bar & gangs
LENGTH	2030 mm	2080 mm	2130 mm	2230 mm	2280 mm
HEIGHT	1150mmwith 560 mm Disc	1150mmwith560 mm Disc	1150 mmwith 560 mm Disc	1150mm with 560mm Disc	1150mm with 560mm Disc
DISTANCE BETWEEN DISCS	225 mm	225 mm	22 mm	225 mm	225 mm
MOUNTING	CAT-I/II (Optional)	CAT -I/II (Optional)	CAT-I/II (Optional)	CAT -I/II (Optional)	CAT-I/II (Optional)
DISC DIAMETER (mm)	560x4 mm	560x4 mm	560X4 mm	560x4 mm	560x4 mm
TYPE OF DISCS	Notc. in Front & Plain in Rear	Notched in Front & Plain in Reae	Notched in Front & Plain in Rear	Notched in Fornt & Plain in Rear	Notched in Front & Plain in Rear
BEARING/Bracket HUBS (Nos.)	4	4	6	8 (Split Gangs Arrangement)	8 (Split Gangs Arrangement)
WIDTH OF CUT	1375-1300mm	1600-16325 mm	1825-1850 mm	2050-2075mm	2275-2300mm
WEIGHT (KG)	400 with 560mm Disc	435 with 560mm Disc	480 with 560mm Disc	530 with 560mm Disc	570 with 560 mm Disc
(approx)	424 with 610mm Disc	463 with 610mm Disc	512 with 610mm Disc	535 with 560mm Disc	620 with 610 mm Disc
POWER REQUIRED (HP)	30-35	40-45	45-50	50-55	55-65

COMPACT MODEL DISC HARROW



SPECIFICATIONS

BENEFITS :-

- Used in open field working for the superficial ploughing, for the shattering of clods, preparation of soil for sowing burial of organic substances.
- To air the soil and to eliminate the weeds.
- For breaking the roots.
- It is designed to work in extreme condition.
- Angle can be easily adjustable.
- It can be used in both forms i.e. mounted as well as trailed.

FEATURES :-

- It has the dual advantage of portability as well as strong design and weight.
- Its heavy weight and design can effectively break up heavy clods.
- It is recommended for 70 HP and above tractors.

Code	8x8	9x9	10x10	11x11	12x12
FRAME	Heavy duty box frame				
GANG BOLT	Central square sold bars with split gangs				
NO.OF DISC	16	18	20	22	24
TYPE OF DISC	Notched in frame and plain in rear				
DISC DIAMETER	610X5mm (or 660x5 on demand)				
WIDTH OF CUT	1815-1845	2045-2070	2275-2300	2505-2530	2730-2760
DISTANCE BETWEEN DISC	228mm				
BEARING HUBS	6	8			
TRACTOR POWER (HP)	50-60	65-75	80-90	95-110	115-135
TOTAL WEIGH (approx)	765 kgs.	820 kgs.	875 kgs.	920 kgs.	975 kgs.

ROTARY TILLER (MULTI SPEED GEAR DRIVE)



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BENEFITS :-

- Fuel expenses saving can be to the tune of 18 to 39%.
- It can immediately prepare the soil, the soil moisture of previous crop does not go waste.
- Puddling in wet fields is done smoothly, quickly & efficiently.

FEATURES :-

- Long lasting blades made out of special quality wear resistant steel.
- Sealed bearings prevent moisture/mud entry.
- High Quality Drive Shaft.
- The well shaped adjustable rear trailing board.

SPECIFICATIONS

	KSI 160	KSI 180	KSI 200
TRACTOR POWER	35-45	40-50	45-60
OVERALL WIDTH	170 cm	190 cm	210 cm
TILLAGE WIDTH	160 cm	180 cm	200 cm
GEARBOX	Multi (4 speed)	Multi (4 speed)	Multi (4 speed)
SIDE TRANS MISSION Gear	Gear	Gear	Gear
P.T.O.SPEED (r.p.m)	540	540	540
NO.OF BLADES	48	54	60
GEAR BOX OVERLOAD	Shear Bolt	Shear Bolt	Shear bolt

TYNE RIDGER



FEATURES :-

- Tyne Ridgers quickly and economically make simple soil ridges.
- The furrows can be easily spaced (widened or narrowed) as per the crop requirement.
- The wings angle can be changed as per requirement.
- These are mostly used for making ridges for plantation of vegetables, sugarcane and for similar purposes.
- Heavy duty pipe box type frame capable of operating in tough soil conditions.
- Depth of the Ridger could be adjusted with the side tires.
- Available sizes are in 2, 3 and 4 furrow, with and without tire facility.

SPECIFICATIONS

DESCRIPTIONS	3 FURROW	4 FURROW	5 FURROW
FRAME	100X100X6 (HEAVY DUTY BOX FRAME)		
HEIGHT	1180mm		
TYNE THICKNESS	25mm		
LINKAGE 3 POINT	50X16		
SHOVEL	8mm (EN-42) 2 HOLE		
TOTAL LENGHT	2220	4220	4220
WEIGHT (KG)	200	270	270
FURROW THICKNESS	5mm		
WORKING WIDTH	ADJUSTABLE		
TRACTOR POWER (HP)	35-45	50-60	65-70

MASSEY CULTIVATOR



SPECIFICATIONS

	2"	2.5"	BOX BAR
FRAME	50X10 Angle	65X8	50X50X6 BOX
SIDE PATI	40x10 (Fixed by Nut & Bolts)	50X10(FIXED BY NUT & BOLTS)	
TWO SUPPORT	40x10	50X10	
NO OF HOLES IN FRAME	85	85	14(FRONT) AND 13 (REAR)
HOLE SIZE	12.5 Round	12.5 ROUND	12.5 ROUND
FRAME WIDTH	19.5"	20"	
FRAME LENGTH	86"	86"	86"
FRONT NAKKA TO NAKKA		25"(INSIDE)	
BACK NAKKA TO NAKA		24"(INSIDE)	
NAKKEY		CASTING	
NUT		5.6 GRADE NYLOCK (GOLDEN)	
FRAME BOLT OD		12 mm (USABLE)	
FRAME BOLT LENGTH		35 mm(USABLE)	
		BIG ASSY	
LENGTH		710 mm	
PATTI		57X7	
SPRING		27 COIL	
SPRING OD		46 mm	
SPRING WIRE		9.2 mm	
TOGGLE		32x5.5 (HARD & TEMPERED)	
TYNE		FORGED 3/4" x 25"	
		SMALL ASSY	
LENGTH		490 mm	
PATTI		57x7	
SPRING		27 COIL	
SPRING OD		46 mm	
SPRING WIRE		9.2 mm	
TOGGLE		32x5.5(HARD & TEMPERED)	
TYNE		FORGED 3/4" x 25"	
SHOVEL		2 1/4" 11"x8 mm 2 HOLES(14 mm SQ) PCD : 44 mm	
BOLT LIFT (3 POINT LINKAGE)		HOT FORGED	
LENGTH		27.25"X 28.5"	
PATTI		50 X10	
WEIGHT (KG)	186	188	185

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