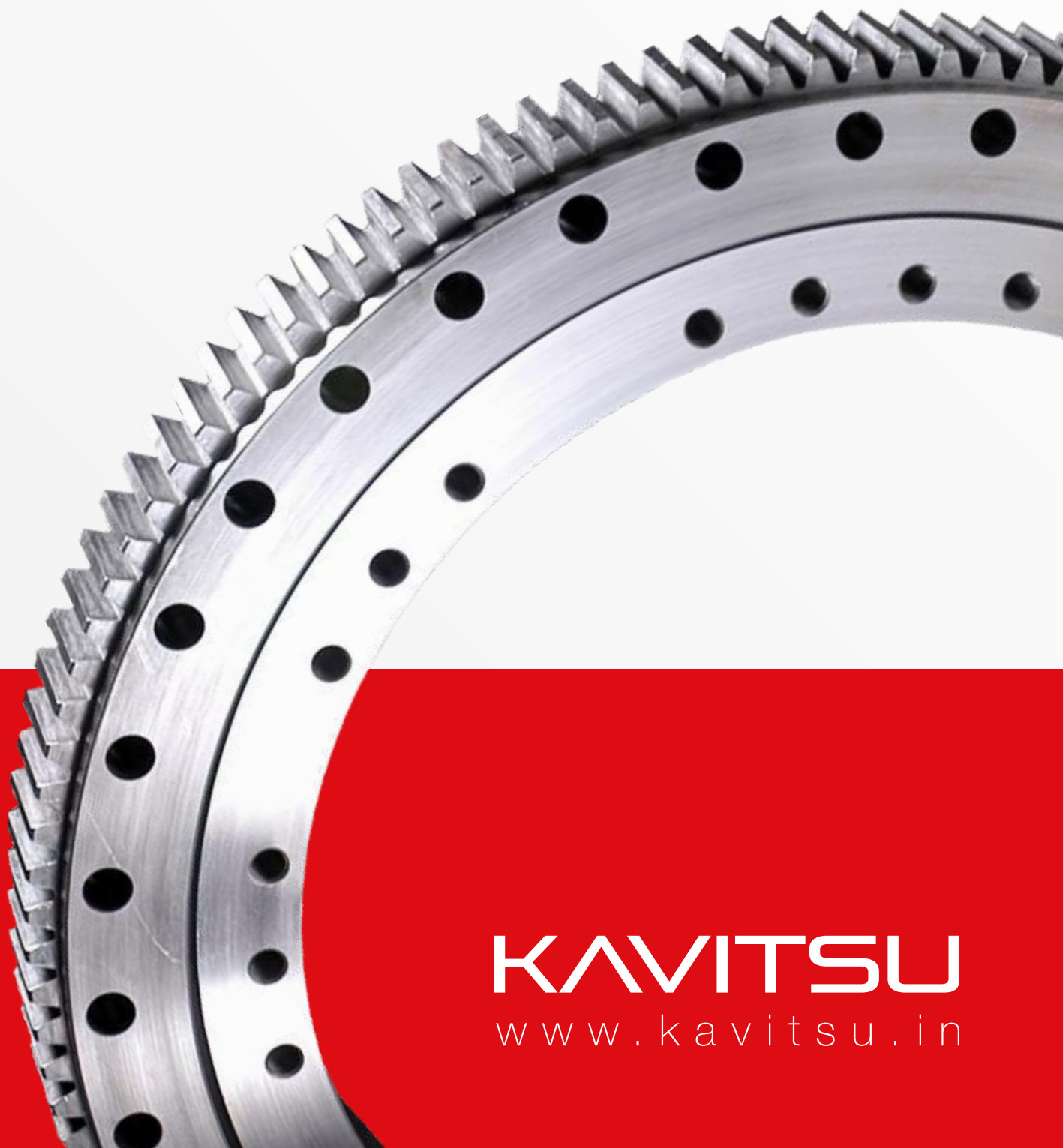


Leading manufacturer and expert in
Slew Ring Bearing



KAVITSU
www.kavitsu.in

Facilities in house



Turning



Gear cutting



Induction heat treatment



Groove grinding



Dear Valued Customer,

KAVITSU is serving the industry with high quality gearboxes for more than two decades now. Thanks to the valued customers like you, who have helped Kavitsu to thrive beyond expected limits, we are now one of the major contributors to the sugar industry and steel industry. Having developed new products which include the higher capacity mill drives around 1000 HP.

We proudly announce our new development, Slew ring bearing. Our State of the art manufacturing facility helps us to serve customers in India as well as abroad with highest quality Slew ring bearings up to 3200mm diameter.

This catalogue is made to suit standard range of slew bearing. In case the requirement is not fulfilled, you can contact us and we will be more than happy to provide a suitable solution.

Looking forward to have good and healthy business relations with you and your company.

Kind regards,

VASANT PHADTARE

Founder and M.D. Kavitsu Group of Industries.

Mr. Vasant Phadtare standing with a 3000mm slew ring bearing.



C Type - Slew Ring Bearing

G1 = LUBRICATING NIPPLE EQ SPACED

NOTE - IF LOCATION ARE REQUIRED ON STANDARD BEARINGS, IT IS ESSENTIAL THAT THIS IS INDICATED AT THE TIME OF ORDERING
AXIAL CLEARANCE = TILTING CLEARANCE

Nomenclature (P - Q - R - ST - UVWX - Y)

NOTE: Please contact on kaustubh@kavitsu.com for sizes higher than 1.2 meter.

P	Q	R	ST	UVWX	Y
1 - Ball Type	1 - Single Track	1 - Without Gear	Ball or Roller Diameter	Ball or Roller Track Diameter	C - Coller Type
2- Roller Type	2 - Double Track	2 - External Gear			F - Flange Type
	3 - Triple Track	3 - Internal Gear			

BEARING UNGEARED

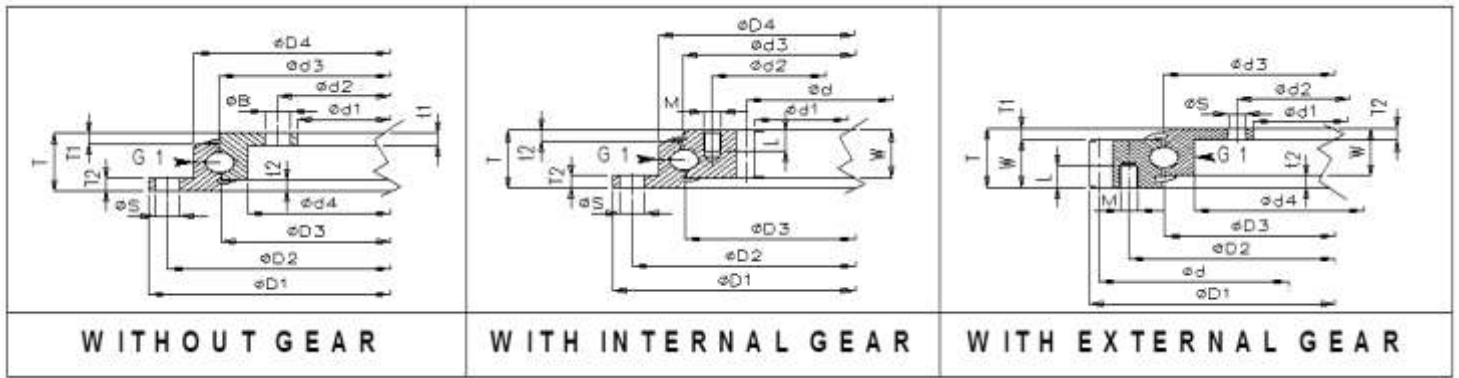
ITEM CODE NO	ROLLING ELEMENT P.C.D.	OUTER DIAMETER	INNER DIAMETER	HEIGHT	EXTERNAL CLAMPING BOLT P.C.D.	INTERNAL CLAMPING BOLT P.C.D.	EXTERNAL NO OF HOLES	EXTERNAL BOLT SIZE	INTERNAL NO OFF HOLES	INTERNAL BOLT SIZE	THREADING LENGTH	NUMBER OF LUBRICATING PLUGS	DIAMETER	DIAMETER	DIAMETER
	DE [mm]	D1 [mm]	d1 [mm]	T [mm]	D2 [mm]	d2 [mm]	Sa	S/M [mm]	Si	S/M [mm]	L [mm]	G1	d3 [mm]	D3 [mm]	D4 [mm]
111-20-0414-C	414	518	304	56	490	332	16	18	24	18	-	4	412.5	415.5	460
111-20-0544-C	544	648	434	56	620	462	20	18	28	18	-	4	542.5	545.5	590
111-20-0644-C	644	748	534	56	720	562	24	18	32	18	-	4	642.5	645.5	690
111-20-0744-C	744	848	634	56	820	662	24	18	32	18	-	4	742.5	745.5	790
111-20-0844-C	844	948	734	56	920	762	28	18	36	18	-	4	842.5	845.5	890
111-20-0944-C	944	1048	834	56	1020	862	32	18	40	18	-	4	942.5	945.5	990
111-20-1094-C	1094	1198	984	56	1170	1012	32	18	40	18	-	4	1092.5	1096	1140

BEARING WITH EXTERNAL GEAR

112-20-0414-C	414	505	304	56	455	332	10	M 12	24	18	20	4	412.5	415.5	-
112-20-0544-C	544	642	434	56	585	462	14	M 12	28	18	20	4	542.5	545.5	-
112-20-0644-C	644	744	534	56	685	562	16	M 12	32	18	20	4	642.5	645.5	-
112-20-0744-C	744	840	634	56	785	662	18	M 12	32	18	20	4	742.5	745.5	-
112-20-0844-C	844	952	734	56	885	762	18	M 12	36	18	20	4	842.5	845.5	-
112-20-0944-C	944	1048	834	56	985	862	20	M 12	40	18	20	4	942.5	945.5	-
112-20-1094-C	1094	1200	984	56	1135	1012	22	M 12	40	18	20	4	1092.5	1096	-

BEARING WITH INTERNAL GEAR

113-20-0414-C	414	518	326.5	56	490	375	16	18	12	M 12	20	4	412.5	415.5	460
113-20-0544-C	544	648	445.2	56	620	505	20	18	16	M 12	20	4	542.5	545.5	590
113-20-0644-C	644	748	547.2	56	720	605	24	18	18	M 12	20	4	642.5	645.5	690
113-20-0744-C	744	848	649.2	56	820	705	24	18	20	M 12	20	4	742.5	745.5	790
113-20-0844-C	844	948	737.6	56	920	805	28	18	20	M 12	20	4	842.5	845.5	890
113-20-0944-C	944	1048	841.6	56	1020	905	32	18	22	M 12	20	4	942.5	945.5	990
113-20-1094-C	1094	1198	985.6	56	1170	1055	32	18	24	M 12	20	4	1092.5	1096	1140



BEARING UNGEARED

DIAMETER	DISTANCE	DISTANCE	GEAR P.C.D.	MODULE	NUMBER OF TEETH	TOOTH WIDTH	DISTANCE	ADDENDUM MODIFICATION	PERMISSIBLE TANGENTIAL FORCE (NORMAL)	PERMISSIBLE TANGENTIAL FORCE (MAXIMUM)	LOAD RATING				BEARING CLEARANCE	
											STATIC		DYNAMIC			
d4 [mm]	t2 [mm]	T1 [mm]	d [mm]	m	Z	W [mm]	T2 [mm]	k.m [mm]	[kN]	[kN]	Co rad	Co ax	Co rad	Co ax	axial [mm]	radial [mm]
375	10.5	10.5	-	-	-	-	12	-	-	-	106	248	140	140	≦ 0.5	≦ 0.5
505	10.5	10.5	-	-	-	-	12	-	-	-	140	326	156	157	≦ 0.5	≦ 0.5
605	10.5	10.5	-	-	-	-	12	-	-	-	166	386	166	167	≦ 0.5	≦ 0.5
705	10.5	10.5	-	-	-	-	12	-	-	-	191	446	175	176	≦ 0.5	≦ 0.5
805	10.5	10.5	-	-	-	-	12	-	-	-	217	507	184	185	≦ 0.5	≦ 0.5
905	10.5	10.5	-	-	-	-	12	-	-	-	242	567	192	193	≦ 0.5	≦ 0.5
1055	10.5	10.5	-	-	-	-	12	-	-	-	281	657	202	203	≦ 0.5	≦ 0.5

BEARING WITH EXTERNAL GEAR

370	10.5	10.5	495	5	99	45.5	12	-	11	23	106	248	140	140	≤ 0.5	≤ 0.5
500	10.5	10.5	630	6	105	45.5	12	-	14	28	140	326	156	157	≤ 0.5	≤ 0.5
600	10.5	10.5	732	6	122	45.5	12	-	14	28	166	386	166	167	≤ 0.5	≤ 0.5
700	10.5	10.5	828	6	138	45.5	12	-	14	28	191	446	175	176	≤ 0.5	≤ 0.5
800	10.5	10.5	936	8	117	45.5	12	-	18	37	217	507	184	185	≤ 0.5	≤ 0.5
900	10.5	10.5	1032	8	129	45.5	12	-	18	37	242	567	192	193	≤ 0.5	≤ 0.5
1000	10.5	10.5	1184	8	148	45.5	12	-	18	37	281	657	202	203	≤ 0.5	≤ 0.5

BEARING WITH INTERNAL GEAR

-	10.5	10.5	335	5	67	45.5	12	-0.75	12	25	106	248	140	140	≤ 0.5	≤ 0.5
-	10.5	10.5	456	6	76	45.5	12	-0.6	14	29	140	326	156	157	≤ 0.5	≤ 0.5
-	10.5	10.5	558	6	93	45.5	12	-0.6	14	29	166	386	166	167	≤ 0.5	≤ 0.5
-	10.5	10.5	660	6	110	45.5	12	-0.6	14	29	191	446	175	176	≤ 0.5	≤ 0.5
-	10.5	10.5	752	8	94	45.5	12	-0.8	19	39	217	507	184	185	≤ 0.5	≤ 0.5
-	10.5	10.5	856	8	107	45.5	12	-0.8	19	39	242	567	192	193	≤ 0.5	≤ 0.5
-	10.5	10.5	1000	8	125	45.5	12	-0.8	19	39	281	657	202	203	≤ 0.5	≤ 0.5

F Type - Slew Ring Bearing

G1 = LUBRICATING NIPPLE EQ SPACED

NOTE - IF LOCATION ARE REQUIRED ON STANDARD BEARINGS, IT IS ESSENTIAL THAT THIS IS INDICATED AT THE TIME OF ORDERING
AXIAL CLEARANCE = TILTING CLEARANCE

Nomenclature (P - Q - R - ST - UVWX - Y)

NOTE: Please contact on kaustubh@kavitsu.com for sizes higher than 1.2 meter.

P	Q	R	ST	UVWX	Y
1 - Ball Type	1 - Single Track	1 - Without Gear	Ball or Roller Diameter	Ball or Roller Track Diameter	C - Coller Type
2- Roller Type	2 - Double Track	2 - External Gear			F - Flange Type
	3 - Triple Track	3 - Internal Gear			

BEARING UNGEARED

ITEM CODE NO	ROLLING ELEMENT P.C.D.	OUTER DIAMETER	INNER DIAMETER	HEIGHT	EXTERNAL CLAMPING BOLT P.C.D.	INTERNAL CLAMPING BOLT P.C.D.	EXTERNAL NO OF HOLES	EXTERNAL BOLT SIZE	INTERNAL NO OFF HOLES	INTERNAL BOLT SIZE	THREADING LENGTH	NUMBER OF LUBRICATING PLUGS	DIAMETER	DIAMETER	DIAMETER
	DE [mm]	D1 [mm]	d1 [mm]	T [mm]	D2 [mm]	d2 [mm]	Sa	S/M [mm]	Si	S/M [mm]	L [mm]	G1	d3 [mm]	D3 [mm]	D4 [mm]
111-20-0414-F	414	486	342	56	460	368	24	13.5	24	13.5	-	4	412.5	415.5	-
111-20-0544-F	544	616	472	56	590	498	32	13.5	32	13.5	-	4	542.5	545.5	-
111-20-0644-F	644	716	572	56	690	598	36	13.5	36	13.5	-	4	642.5	645.5	-
111-20-0744-F	744	816	672	56	790	698	40	13.5	40	13.5	-	4	742.5	745.5	-
111-20-0844-F	844	916	772	56	890	798	40	13.5	40	13.5	-	4	842.5	845.5	-
111-20-0944-F	944	1016	872	56	990	898	44	13.5	44	13.5	-	4	942.5	945.5	-
111-20-1094-F	1094	1166	1022	56	1140	1048	48	13.5	48	13.5	-	4	1092.5	1095.5	-

BEARING WITH EXTERNAL GEAR

112-20-0414-F	414	504	342	56	455	368	20	M 12	24	13.5	20	4	412.5	415.5	-
112-20-0544-F	544	640.8	472	56	585	498	28	M 12	32	13.5	20	4	542.5	545.5	-
112-20-0644-F	644	742.8	572	56	685	598	32	M 12	36	13.5	20	4	642.5	645.5	-
112-20-0744-F	744	838.8	672	56	785	698	36	M 12	40	13.5	20	4	742.5	745.5	-
112-20-0844-F	844	950.4	772	56	885	798	36	M 12	40	13.5	20	4	842.5	845.5	-
112-20-0944-F	944	1046.4	872	56	985	898	40	M 12	44	13.5	20	4	942.5	945.5	-
112-20-1094-F	1094	1198.4	1022	56	1135	1048	44	M 12	48	13.5	20	4	1092.5	1095.5	-

BEARING WITH INTERNAL GEAR

113-20-0414-F	414	486	326.5	56	460	375	24	13.5	24	M 12	20	4	412.5	415.5	-
113-20-0544-F	544	616	445.2	56	590	505	32	13.5	32	M 12	20	4	542.5	545.5	-
113-20-0644-F	644	716	547.2	56	690	605	36	13.5	36	M 12	20	4	642.5	645.5	-
113-20-0744-F	744	816	649.2	56	790	705	40	13.5	40	M 12	20	4	742.5	745.5	-
113-20-0844-F	844	916	737.6	56	890	805	40	13.5	40	M 12	20	4	842.5	845.5	-
113-20-0944-F	944	1016	841.6	56	990	905	44	13.5	44	M 12	20	4	942.5	945.5	-
113-20-1094-F	1094	1166	985.6	56	1140	1055	48	13.5	48	M 12	20	4	1092.5	1095.5	-



BEARING UNGEARED

DIAMETER	DISTANCE	DISTANCE	GEAR P.C.D.	MODULE	NUMBER OF TEETH	TOOTH WIDTH	DISTANCE	ADDENDUM MODIFICATION	PERMISSIBLE TANGENTIAL FORCE (NORMAL)	PERMISSIBLE TANGENTIAL FORCE (MAXIMUM)	LOAD RATING				BEARING CLEARANCE	
											STATIC		DYNAMIC			
d4 [mm]	t2 [mm]	T1 [mm]	d [mm]	m	Z	W [mm]	T2 [mm]	k.m [mm]	[kN]	[kN]	Co rad	Co ax	Co rad	Co ax	axial [mm]	radial [mm]
-	10.5	10.5	-	-	-	-	45.5	-	-	-	229	533	140	140	⩽ 0.28	⩽ 0.24
-	10.5	10.5	-	-	-	-	45.5	-	-	-	301	702	156	157	⩽ 0.30	⩽ 0.26
-	10.5	10.5	-	-	-	-	45.5	-	-	-	356	832	166	167	⩽ 0.30	⩽ 0.26
-	10.5	10.5	-	-	-	-	45.5	-	-	-	411	961	175	176	⩽ 0.30	⩽ 0.26
-	10.5	10.5	-	-	-	-	45.5	-	-	-	467	1091	184	185	⩽ 0.30	⩽ 0.26
-	10.5	10.5	-	-	-	-	45.5	-	-	-	522	1220	192	193	⩽ 0.30	⩽ 0.26
-	10.5	10.5	-	-	-	-	45.5	-	-	-	606	1415	202	203	⩽ 0.30	⩽ 0.26

BEARING WITH EXTERNAL GEAR

-	10.5	10.5	495	5	99	45.5	45.5	-	11.75	23.50	229	533	140	140	≦ 0.28	≦ 0.24
-	10.5	10.5	630	6	105	45.5	45.5	-	14.20	28.40	301	702	156	157	≦ 0.30	≦ 0.26
-	10.5	10.5	732	6	122	45.5	45.5	-	14.20	28.40	356	832	166	167	≦ 0.30	≦ 0.26
-	10.5	10.5	828	6	138	45.5	45.5	-	14.20	28.40	411	961	175	176	≦ 0.30	≦ 0.26
-	10.5	10.5	936	8	117	45.5	45.5	-	18.93	37.86	467	1091	184	185	≦ 0.30	≦ 0.26
-	10.5	10.5	1032	8	129	45.5	45.5	-	18.93	37.86	522	1220	192	193	≦ 0.30	≦ 0.26
-	10.5	10.5	1184	8	148	45.5	45.5	-	18.93	37.86	606	1415	202	203	≦ 0.30	≦ 0.26

BEARING WITH INTERNAL GEAR

-	10.5	10.5	335	5	67	45.5	45.5	-	13.54	27.08	229	533	140	140	≦ 0.28	≦ 0.24
-	10.5	10.5	456	6	76	45.5	45.5	-	16.00	32.00	301	702	156	157	≦ 0.30	≦ 0.26
-	10.5	10.5	558	6	93	45.5	45.5	-	15.62	31.24	356	832	166	167	≦ 0.30	≦ 0.26
-	10.5	10.5	660	6	110	45.5	45.5	-	15.32	30.64	411	961	175	176	≦ 0.30	≦ 0.26
-	10.5	10.5	752	8	94	45.5	45.5	-	20.80	41.60	467	1091	184	185	≦ 0.30	≦ 0.26
-	10.5	10.5	856	8	107	45.5	45.5	-	20.49	40.98	522	1220	192	193	≦ 0.30	≦ 0.26
-	10.5	10.5	1000	8	125	45.5	45.5	-	20.16	40.32	606	1415	202	203	≦ 0.30	≦ 0.26

KAVITSU



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