



NEPEAN® Conveyors Light to Medium Duty Idler Catalogue

Innovation . Dedication . Specialisation



1800 NEPEAN
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Important note for all Designers and Draftpersons

NEPEAN[®] Conveyors reserve the right to change designs and dimensions within this catalogue.

We have provided a design data submission sheet on page 59.

Please complete the submission sheet on our website.

If you require more submission sheets please refer
to our website:

www.nepeanconveyors.com

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Idler Specifications

Idler Specifications

THE BENEFITS OF NEPEAN® CONVEYORS IDLERS

In 1985 NEPEAN® Conveyors engineers saw the need to improve the design of materials handling equipment so as to be capable of handling large tonnages at the higher speeds required by mining companies and operators throughout the world. From this came the realisation that much of the hardware available, in particular idlers and pulleys, were simply not of the standard necessary to make this aim possible.

Thus, the challenge was met by a revolutionary design for conveyor idlers which incorporated the many features found in NEPEAN® Conveyors idlers ever since. These features were unique throughout the world at that time and many remain so even today. From that time NEPEAN® Conveyors have continued their research and development work and this has culminated in idlers which have all the following predominant features.

Total Indicator Run-out (T.I.R) & Maximum Indicated Slope (M.I.S)

NEPEAN® Conveyors rollers are manufactured to the highest standard to ensure the lowest values for T.I.R and M.I.S are achieved. NEPEAN® Conveyors processes adhere to stringent quality specifications and standards to ensure these critical specifications are maintained.

NEPEAN® Conveyors standard rollers are designed and manufactured to achieve:

- Low vibration
- Low noise
- Highest bearing life
- Low shell wear rates
- Reduced power consumption

NEPEAN® Conveyors bored tube and patented flanged housing design establishes the basis for a superior precision roller.

Balance

Excessive vibration causes unnecessary noise and has a negative impact on bearing life. NEPEAN® Conveyors superior design controls idler vibration through precision manufacturing techniques and limits out of balance to 0.028Nm for standard steel rollers. Roller dynamic imbalance is checked up to 700rpm to ensure compliance with ISO1940.1 using in-house balancing equipment of the highest calibre.

Drag

Roller drag is a very important characteristic when assessing conveyor rollers performance. Roller drag causes increased power consumption and can also lead to premature shell wear due to a sliding effect between the roller face and the conveyor belt.

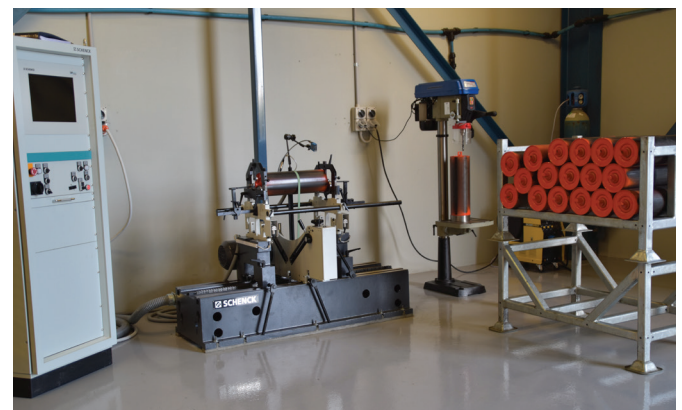
NEPEAN® Conveyors in-house injection moulding facilities produce low friction non contact seals of the highest quality to maintain low drag and exceptional sealing.

Sealing

NEPEAN® Conveyors rollers are sealed using a purpose desired multi-labyrinth system. This is a key feature of the sealing design for all NEPEAN® Conveyors rollers. All seals are 100% NEPEAN® Conveyors designed and manufactured. Seals are pregreased prior to final assembly to prevent ingress of contaminants into the bearing cavity. NEPEAN® Conveyors uses Castrol EPL2 grease or approved equivalent. NEPEAN® Conveyors continuously tests seal performance using the in-house testing center.

Tests include:

- Water Ingress testing
- Dust Ingress testing
- Rim drag testing



Idler Specifications

Bearings

Conveyor rollers use a through shaft design which supports the outer shell via bearings and bearing housings. Bearings are subjected to both axial and radial loads along with shaft angular deflection.

NEPEAN® Conveyors use only the highest quality bearings from internationally recognised manufacturers. NEPEAN® Conveyors choose single row deep groove ball bearings due to the following characteristics:

- They can operate effectively with up to 8 minutes angular deflection. This permits the use of moderately sized shaft diameters.
- They have acceptable ratings to resist axial loads imposed by inclined wing rollers.
- They retain grease at the bearing face.
- They have long bearing L_{10} life to match expected performance of other components.

Bearing Housings

NEPEAN® Conveyors patented steel bearing housings are manufactured using the most advanced multi-stage, deep draw processing line. Housings are made from heavy gauge steel coil and are constantly checked for concentricity.

NEPEAN® Conveyors flanged design is precision fitted to our bored tubes. This protects the weld from belt contact and ensures concentricity.

Tube

NEPEAN® Conveyors tube is produced to NEPEAN® Conveyors specifications and complies with SANS 657/AS1450. The tube is carefully rolled and electric resistance welded and drawn to ensure concentricity and that the weld is flush inside and out. Steel grade is minimum AS1163 C250.

NEPEAN® Conveyors also offer hot-dip galvanised shells for special applications. Alternative grades can also be supplied for special applications. Consult your NEPEAN® Conveyors representative for further information.



Tube to Bearing Housing Welding Method

Shell ends are attached to the tube by specially designed welding machines. These special purpose machines ensure that the shell tubing is clamped at the ends at all times during the welding process, thereby ensuring that only minimum run-out high balance quality rollers are produced.

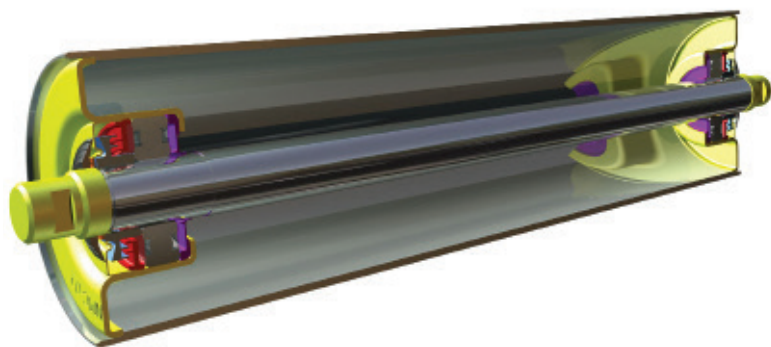
Finish

NEPEAN® Conveyors standard fully assembled rollers are solvent washed and spray painted with enamel to provide surface protection. Additional options include hot-dip galvanising or powder coating for special applications.

Idler Specifications

Roller Shell Material Alternatives

NEPEAN® Conveyors rollers are available in a variety of materials to suit particular applications; materials such as aluminium, and stainless steel alloys are available. Please contact us at admin.conveyors.meco@nepean.com or your nearest NEPEAN® Conveyors office for further details on our products.



Low Noise Rollers

Noise generation is becoming increasingly more important with government legislation.

NEPEAN® Conveyors have addressed this issue through the introduction of our low noise range of rollers. Different designs suit different applications. The following range is sufficient for all applications.

- Low noise aluminium rollers
- Low noise steel shell rollers
- Low noise poly rollers

Please consult NEPEAN® Conveyors for specific applications and requirements.



IMPORTANT POINTS TO CONSIDER WHEN SELECTING IDLER ROLLERS

- Choose rollers with large grease cavity.
- Ensure minimum run-out.
- Belt protection is enhanced by selecting rollers with well rounded corners.
- Design of seals must prevent ingress of any contaminants into the bearing cavity.
- Utilise precision deep groove ball bearings to retain grease and give long, maintenance-free life.
- Utilise rollers with the minimum external seal gap.
- All components of the roller are expected to run for millions of revolutions and should be precision made to closest possible tolerances.
- Shaft diameters must be large enough to limit angular deflection at bearings to within bearing supplier recommendations.
- Select a roller with a low mass of rotating parts.
- Maximum performance is achieved where the roller load capacities of shells, shell ends and bearings are balanced.
- Provide for vibration-free running and future capacity increases by selecting high balance rollers.
- Rollers should be tightly fitted to a rigid base designed to shed dirt by minimising material buildup.
- Rollers operating in the open or subject to hosing down during in-house housekeeping should be fitted with weather seals.
- Select rollers in which labyrinth sealing has a minimum grease shear area.
- Choose rollers where shell ends are integral with the shell and are pocket-free.



Idler Specifications

Features of the NEPEAN® Conveyors Base Frame

Frames are designed to withstand all loads applied to them including torsional loads. Outer brackets are designed to shed material to prevent build up thereby reducing the chance of rollers jamming.

Self Cleaning

Base members are made from circular hollow section or equal angle to prevent material build up and subsequent jamming of rollers.

Welding

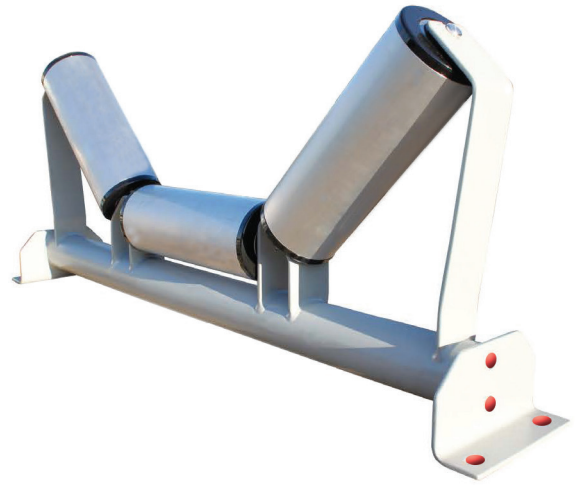
Jigging and machining of frames ensures slotted mounting brackets are precision aligned. This has the effect of reducing installation costs and belt wear. All roller supports are welded to provide smooth weld surfaces for the application of protective coatings. Welds are cleaned prior to surface treatment.

Galvanising

All NEPEAN® Conveyors idler frames are galvanised to AS4680. A minimum thickness of 80µm is used to ensure superior protection from corrosion.

Inspection

All frames are inspected prior to commencing the welding run to confirm accuracy of major dimensions. Selected frames are removed from the production runs at intervals and subjected to full dimension checks and weld quality inspection.



NEPEAN® Conveyors Idler Standard Data

Unless otherwise agreed NEPEAN® Conveyors idlers will be supplied to the standards listed on page 8. These standards have been developed over 20 years of research and experience in conveyor design to suit customer requirements. The resulting product is technically and commercially sound, and is designed to eliminate the need for maintenance.



Idler Specifications

Idler Mounting Centers

To conform with ISO 1535 and accepted Australian practice, the mounting hole centers listed in the dimensional tables are based on:

BELT WIDTH + 250 mm for belts up to and including 1200 mm.

BELT WIDTH + 300 mm for belts over 1200 mm up to and including 1500 mm.

BELT WIDTH + 400 mm for belts 1600 mm and over.

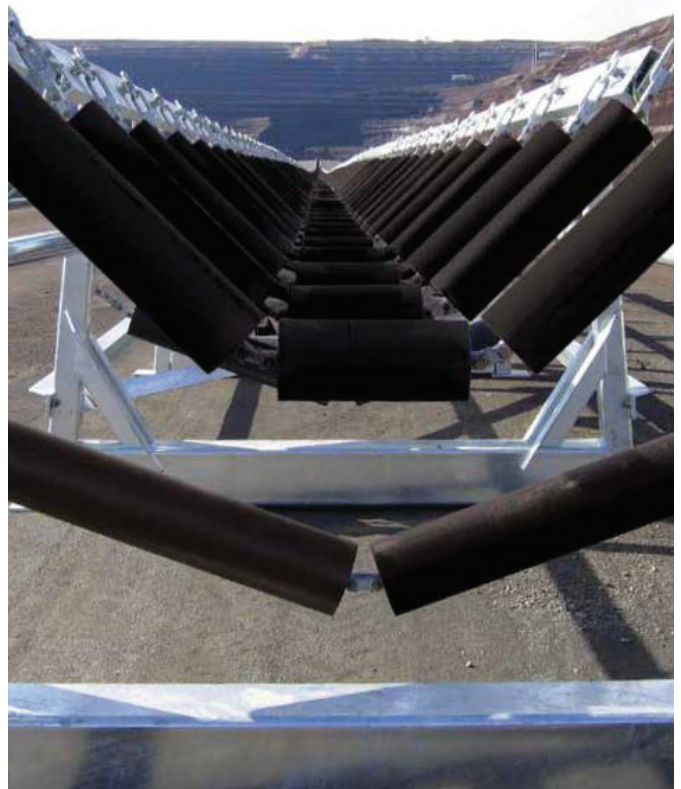
Mounting foot slots are sized throughout the range to suit M12 bolts. We also recommend the use of M12 flat washers for attachment to the structure.

MANUFACTURING TOLERANCES

Nominal O.D. of roll steel shell	+/- 0.3 mm	Roll corner chamfer	3.0mm min
Rubber disc	+/- 0.8 mm	Corner weld penetration	80% min
Thickness of steel shell	+/- 0.5 mm	Total Indicator Reading (T.I.R)	
Roll face length	+/- 1.5 mm	Over steel shell:	Up to 750mm long: 0.50mm
Center roll height above base line	+/- 2.0 mm	T.I.R Above 750mm long	0.0007 x length
Transverse hole centers	+/- 2.0 mm	Out of balance	Standard rolls - 0.028 Nm
Longitudinal hole centers	+/- 2.0 mm		Weighing rolls - 0.014 Nm
Return bracket drop height	+/- 2.0 mm	Angular deflection at bearing full load	8 min
Trough angle	+/- 1°		

BASIC NEPEAN ROLL CHARACTERISTICS

Series	Roll Dia.	Bearing Designation	Bearing Dynamic Capacity	C.E.M.A Rating
05	114	6205	14.0kN	C4 1/2
10	102	6204	12.7kN	C4
11	114	6204	12.7kN	C4 1/2
12	127	6204	12.7kN	C5
15	127	6205	14.0kN	C5
20	152	6205	14.0kN	C6
25	127	6305	22.5kN	C5
30	152	6305	22.5kN	C6
35	152	6306	28.1kN	E6
40	178	6306	28.1kN	E7
45	152	6307	33.2kN	E6 plus
50	178	6307	33.2kN	E7 plus
54	152	6308	41.0kN	super 6
55	152	6309	52.7kN	super 6+
59	178	6308	41.0kN	super 7
60	178	6309	52.7kN	super 7+

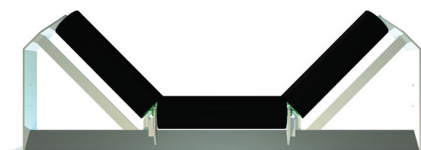
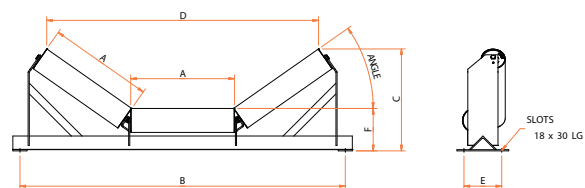




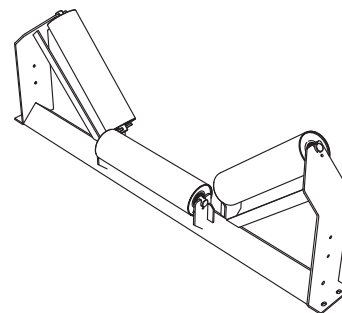
3 Roll Offset Carry and Impact

3 Roll Offset Carry and Impact

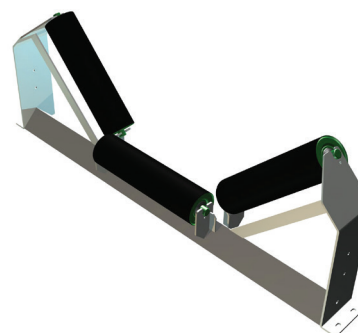
SERIES 05		ROLL DIAMETER 114										BEARING SIZE 6205		
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			C	D	C	D	C	D	C	D			R.P	TOTAL
NC-05105-0350-00	137	600	226	427	246	389	254	367	274	334	60	177	5.1	14.0
NC-05105-0400-00	155	650	232	479	255	438	264	415	286	377	60	177	5.5	15.0
NC-05105-0450-00	173	700	238	531	264	487	274	462	299	420	60	177	6.0	16.0
NC-05105-0500-00	190	750	244	580	272	534	284	507	311	462	60	177	6.3	17.0
NC-05105-0600-00	225	850	256	681	290	630	304	599	336	546	60	177	7.2	18.8
NC-05105-0650-00	245	900	263	738	300	684	316	652	350	594	60	177	7.8	20.0
NC-05105-0750-00	279	1000	275	836	317	777	335	742	374	676	60	177	8.4	21.9
NC-05105-0800-00	295	1050	280	882	325	821	344	784	385	715	60	177	9.0	23.6
NC-05105-0900-00	332	1150	293	989	343	922	366	881	411	804	60	177	9.9	25.8
NC-05105-1000-00	359	1250	302	1067	357	996	381	953	431	870	60	177	10.5	29.7
NC-05105-1050-00	384	1300	311	1139	369	1064	395	1019	448	930	60	177	11.1	31.3
NC-05105-1200-00	437	1450	329	1291	396	1209	426	1159	486	1058	60	177	12.3	34.5



SERIES 10		ROLL DIAMETER 102										BEARING SIZE 6204		
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			C	D	C	D	C	D	C	D			R.P	TOTAL
NC-10105-0350-00	133	600	218	429	238	394	246	373	266	342	60	169	3.9	11.8
NC-10105-0400-00	151	650	224	481	247	443	256	420	279	385	60	169	4.2	12.7
NC-10105-0450-00	169	700	230	533	256	492	267	468	292	429	60	169	4.5	13.4
NC-10105-0500-00	186	750	236	582	264	538	276	513	304	470	60	169	4.8	14.3
NC-10105-0600-00	221	850	248	683	282	634	296	605	329	554	60	169	5.4	15.8
NC-10105-0650-00	241	900	255	740	292	689	308	668	343	603	60	169	5.7	16.7
NC-10105-0750-00	275	1000	266	838	309	782	327	748	367	685	60	169	6.3	18.3
NC-10105-0800-00	291	1050	272	884	319	825	337	790	378	723	60	169	6.6	20.0
NC-10105-0900-00	328	1150	285	991	335	926	358	887	404	813	60	169	7.5	21.6
NC-10105-1000-00	355	1250	294	1068	349	1000	373	959	423	878	60	169	7.8	26.1
NC-10105-1050-00	380	1300	302	1140	361	1069	388	1025	441	938	60	169	8.4	27.1
NC-10105-1200-00	433	1450	320	1293	388	1213	418	1164	479	1066	60	169	9.3	30.0



SERIES 11		ROLL DIAMETER 114										BEARING SIZE 6204		
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			C	D	C	D	C	D	C	D			R.P	TOTAL
NC-11105-0350-00	136	600	224	428	244	390	252	368	272	336	60	175	5.1	13.0
NC-11105-0400-00	154	650	230	480	253	439	262	416	284	379	60	175	5.4	13.9
NC-11105-0450-00	172	700	236	532	262	489	272	463	297	423	60	175	6.0	14.9
NC-11105-0500-00	189	750	242	581	270	535	282	508	309	464	60	175	6.3	15.8
NC-11105-0600-00	224	850	254	681	288	631	302	601	334	548	60	175	7.2	17.6
NC-11105-0650-00	244	900	261	739	298	685	314	653	348	596	60	175	7.5	18.5
NC-11105-0750-00	278	1000	273	837	315	778	333	743	372	678	60	175	8.4	20.4
NC-11105-0800-00	294	1050	278	883	323	822	342	785	383	717	60	175	8.7	22.1
NC-11105-0900-00	331	1150	291	989	341	923	364	883	410	806	60	175	9.6	24.0
NC-11105-1000-00	358	1250	300	1067	355	997	379	954	429	872	60	175	10.2	28.5
NC-11105-1050-00	383	1300	308	1139	367	1065	393	1020	446	932	60	175	10.8	29.8
NC-11105-1200-00	436	1450	327	1292	394	1210	424	1160	484	1060	60	175	12.3	33.0

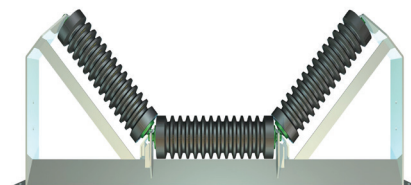
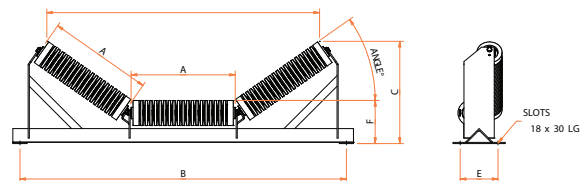


Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

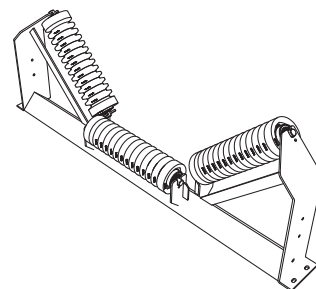
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

3 Roll Offset Carry and Impact

SERIES 12 ROLL		ROLL DIAMETER 127								BEARING SIZE 6204					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			C	D	C	D	C	D	C	D			R.P	TOTAL	
NC-12105-0350-00	138	600	230	425	250	386	258	363	277	328	60	181	6.0	13.9	
NC-12105-0400-00	156	650	237	477	259	435	268	410	290	371	60	181	6.6	15.1	
NC-12105-0450-00	174	700	243	529	268	484	278	458	303	415	60	181	6.9	16.1	
NC-12105-0500-00	191	750	249	578	276	530	288	503	315	456	60	181	7.5	17.0	
NC-12105-0600-00	226	850	261	679	294	626	308	595	339	540	60	181	8.4	18.8	
NC-12105-0650-00	246	900	267	736	304	681	320	648	353	589	60	181	9.0	20.0	
NC-12105-0750-00	280	1000	279	834	321	773	339	737	377	671	60	181	9.9	21.9	
NC-12105-0800-00	296	1050	285	880	329	817	348	780	387	709	60	181	10.5	23.6	
NC-12105-0900-00	333	1150	297	987	347	918	370	877	415	799	60	181	11.4	26.1	
NC-12105-1000-00	360	1250	306	1065	361	992	385	948	434	864	60	181	12.0	30.3	
NC-12105-1050-00	385	1300	315	1137	373	1060	399	1014	452	924	60	181	12.9	31.6	
NC-12105-1200-00	438	1450	333	1289	400	1205	430	1154	489	1052	60	181	14.4	35.1	

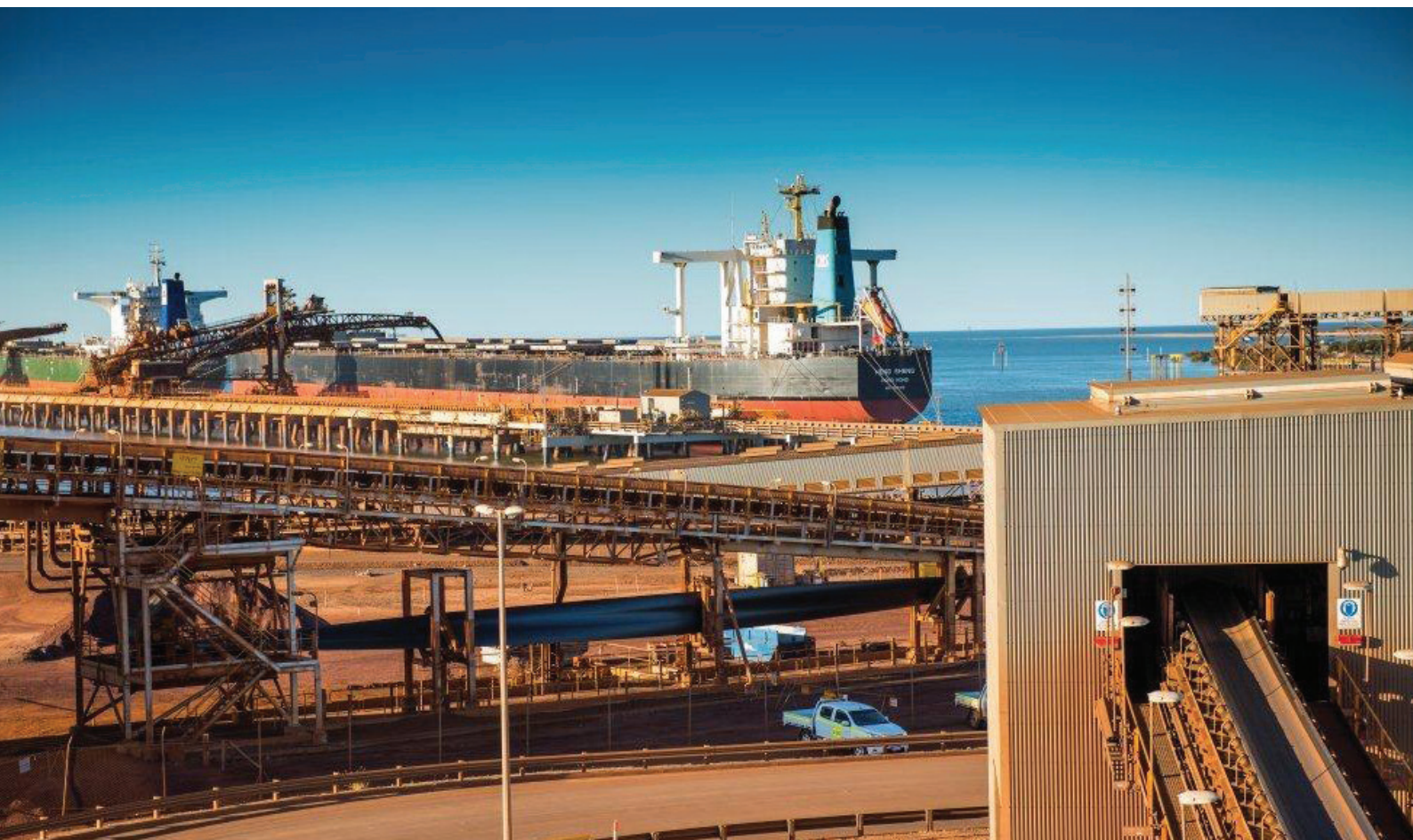


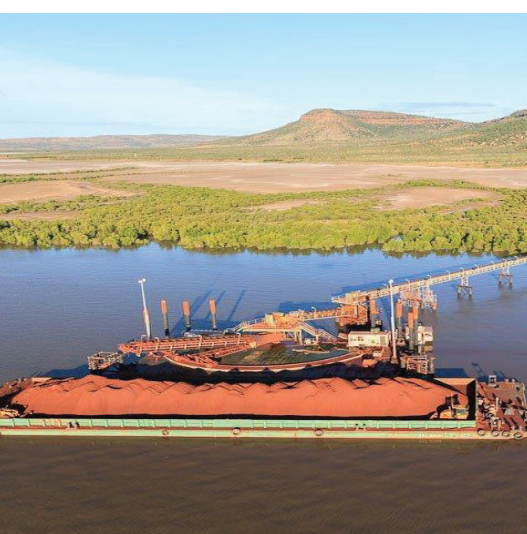
SERIES 15			ROLL DIAMETER 127								BEARING SIZE 6205					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs			
			C	D	C	D	C	D	C	D			R.P	TOTAL		
NC-15105-0500-00	191	750	250	577	278	528	290	500	316	453	60	183	7.5	18.2		
NC-15105-0600-00	226	850	262	677	295	624	310	593	341	538	60	183	8.4	20.3		
NC-15105-0650-00	246	900	269	735	305	679	321	645	355	586	60	183	9.0	21.2		
NC-15105-0750-00	280	1000	281	833	322	771	341	735	379	668	60	183	9.9	23.4		
NC-15105-0800-00	296	1050	286	879	330	815	350	777	390	707	60	183	10.5	25.1		
NC-15105-0900-00	333	1150	299	985	349	916	371	875	416	796	60	183	11.4	27.3		
NC-15105-1000-00	360	1250	308	1063	362	990	387	946	435	861	60	183	12.3	31.5		
NC-15105-1050-00	385	1300	317	1135	375	1058	401	1012	453	921	60	183	12.9	33.1		
NC-15105-1200-00	438	1450	335	1288	401	1203	431	1152	491	1049	60	183	14.4	36.6		



SERIES 15		ROLL DIAMETER 133 IMPACT								BEARING SIZE 6205					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			C	D	C	D	C	D	C	D			R.P	TOTAL	
NC-15106-0350-00	138	600	235	422	254	381	262	357	281	321	60	186	8.1	17.8	
NC-15106-0400-00	156	650	241	474	263	430	272	404	293	364	60	186	8.4	19.2	
NC-15106-0450-00	174	700	247	526	272	479	282	452	306	408	60	186	9.6	20.8	
NC-15106-0500-00	191	750	253	575	281	525	292	497	318	449	60	186	10.5	22.5	
NC-15106-0600-00	226	850	265	675	298	621	312	589	343	533	60	186	12.0	25.5	
NC-15106-0650-00	246	900	272	733	308	676	324	642	357	582	60	186	13.2	27.1	
NC-15106-0750-00	280	1000	284	831	325	768	343	732	381	664	60	186	15.3	30.7	
NC-15106-0800-00	296	1050	289	877	333	812	352	774	392	702	60	186	15.6	32.5	
NC-15106-0900-00	333	1150	302	983	352	913	374	871	418	792	60	186	17.7	35.9	
NC-15106-1000-00	360	1250	311	1061	365	987	389	943	438	857	60	186	18.9	42.6	
NC-15106-1050-00	385	1300	320	1133	378	1055	403	1009	455	917	60	186	20.1	44.8	
NC-15106-1200-00	438	1450	338	1286	404	1200	434	1148	493	1045	60	186	23.4	50.7	



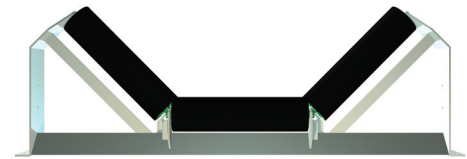
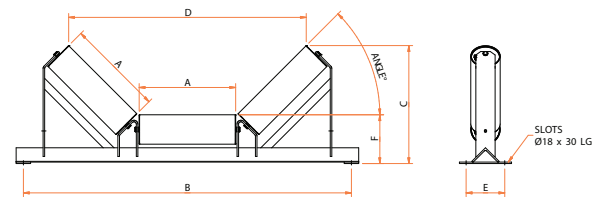




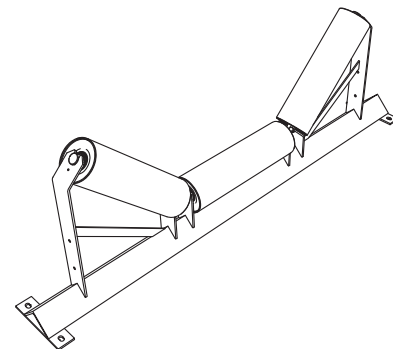
3 Roll In-line Carry and Impact

3 Roll In-line Carry and Impact

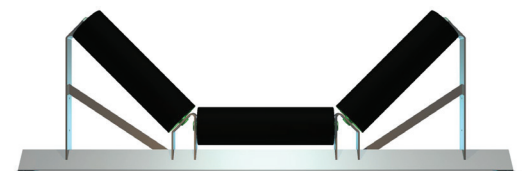
SERIES 15		ROLL DIAMETER 127								BEARING SIZE 6205					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			C	D	C	D	C	D	C	D			R.P	TOTAL	
NC-15113-0500-00	191	750	275	606	303	565	317	541	340	492	140	205	75	20.3	
NC-15113-0600-00	226	850	286	707	320	660	337	633	365	577	140	205	8.4	22.4	
NC-15119-0650-00	246	900	293	764	330	715	348	686	379	625	140	205	9.0	23.3	
NC-15113-0750-00	280	1000	305	862	347	808	368	776	403	707	140	205	9.9	25.4	
NC-15113-0800-00	296	1050	317	908	362	852	384	818	422	746	150	212	10.5	27.2	
NC-15113-0900-00	333	1150	330	1015	381	953	405	915	448	835	150	212	11.4	29.5	
NC-15113-1000-00	360	1250	348	1092	403	1026	430	987	476	900	165	221	12.3	34.3	
NC-15113-1050-00	385	1300	357	1164	416	1095	444	1053	494	960	165	221	12.9	36.0	
NC-15113-1200-00	438	1450	386	1317	453	1240	485	1192	542	1088	180	232	14.4	41.6	
NC-15113-1350-00	490	1650	404	1467	479	1382	515	1330	579	1214	180	232	15.9	45.7	
NC-15113-1400-00	496	1700	414	1484	490	1398	527	1345	591	1228	200	240	15.9	53.7	
NC-15113-1500-00	543	1800	430	1619	514	1526	554	1469	624	1342	200	240	17.1	57.0	
NC-15113-1600-00	563	2000	457	1677	544	1581	585	1522	658	1390	240	260	17.1	70.6	
NC-15113-1800-00	627	2200	479	1861	576	1756	622	1691	704	1545	240	260	19.5	79.0	



SERIES 20		ROLL DIAMETER 152										BEARING SIZE 6205			
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			C	D	C	D	C	D	C	D			R/P	TOTAL	
NC-20113-0500-00	194	750	287	600	315	555	328	529	350	477	140	218	12.3	25.1	
NC-20113-0600-00	229	850	299	701	332	650	348	621	375	561	140	218	13.8	27.8	
NC-20113-0650-00	249	900	306	759	342	705	359	674	389	609	140	218	14.7	29.3	
NC-20113-0750-00	283	1000	317	856	359	798	379	764	413	691	140	218	16.2	31.7	
NC-20113-0800-00	299	1050	330	902	374	842	395	806	431	730	150	225	17.1	33.8	
NC-20113-0900-00	336	1150	342	1009	393	943	416	904	458	819	150	225	18.6	36.7	
NC-20113-1000-00	363	1250	361	1087	415	1017	441	975	486	885	165	234	19.8	41.8	
NC-20113-1050-00	388	1300	369	1159	428	1085	455	1041	503	945	165	234	21.0	43.8	
NC-20113-1200-00	441	1450	398	1311	465	1230	497	1181	552	1073	180	245	23.1	50.3	
NC-20113-1350-00	493	1650	416	1461	491	1372	526	1318	589	1198	180	245	25.5	55.3	
NC-20113-1400-00	499	1700	426	1478	502	1388	538	1334	601	1213	200	253	25.8	63.6	
NC-20113-1500-00	546	1800	442	1614	526	1516	565	1458	634	1326	200	253	27.9	67.8	
NC-20113-1600-00	566	2000	469	1671	556	1571	596	1510	668	1375	240	273	28.8	81.4	
NC-20113-1800-00	630	2200	491	1856	588	1746	633	1679	714	1529	240	273	31.5	91.0	



SERIES 25		ROLL DIAMETER 127								BEARING SIZE 6305					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			C	D	C	D	C	D	C	D			R.P	TOTAL	
NC-25113-0750-00	280	1000	305	862	347	808	368	776	403	707	140	205	10.5	26.0	
NC-25113-0800-00	296	1050	317	908	362	852	384	818	422	746	150	212	10.8	27.8	
NC-25113-0900-00	333	1150	330	1015	381	953	405	915	448	835	150	212	11.7	30.1	
NC-25113-1000-00	360	1250	348	1092	403	1026	430	987	476	900	165	221	12.6	34.9	
NC-25113-1050-00	385	1300	357	1164	416	1095	444	1053	494	960	165	221	13.2	37.8	
NC-25113-1200-00	438	1450	386	1317	453	1240	485	1192	542	1088	180	232	14.7	43.7	
NC-25113-1350-00	490	1650	404	1467	479	1382	515	1330	579	1214	180	232	16.2	48.1	
NC-25113-1400-00	496	1700	414	1484	490	1398	527	1345	591	1228	200	240	16.2	56.1	
NC-25113-1500-00	543	1800	430	1619	514	1526	554	1469	624	1342	200	240	17.7	61.8	
NC-25113-1600-00	563	2000	457	1677	544	1581	585	1522	658	1390	240	260	18.0	75.4	
NC-25113-1800-00	627	2200	479	1861	576	1756	622	1691	704	1545	240	260	19.8	82.0	



Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

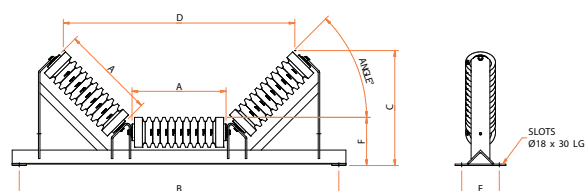
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

3 Roll In-line Carry and Impact

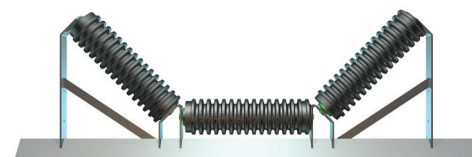
SERIES 30		ROLL DIAMETER 152										BEARING SIZE 6305			
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			C	D	C	D	C	D	C	D			R.P	TOTAL	
NC-30113-0750-00	283	1000	317	856	359	798	379	764	413	691	140	218	16.8	32.3	
NC-30113-0800-00	299	1050	330	902	374	842	395	806	431	730	150	225	17.4	34.4	
NC-30113-0900-00	336	1150	342	1009	393	943	416	904	458	819	150	225	18.9	37.3	
NC-30113-1000-00	363	1250	361	1087	415	1017	441	975	486	885	165	234	20.1	43.9	
NC-30113-1050-00	388	1300	369	1159	428	1085	455	1041	503	945	165	234	21.3	45.9	
NC-30113-1200-00	441	1450	398	1311	465	1230	497	1181	552	1073	180	245	23.7	52.7	
NC-30113-1350-00	493	1650	416	1461	491	1372	526	1318	589	1198	180	245	25.8	57.7	
NC-30113-1400-00	499	1700	426	1478	502	1388	538	1334	601	1213	200	253	26.1	65.7	
NC-30113-1500-00	546	1800	442	1614	526	1516	565	1458	634	1326	200	253	28.2	72.3	
NC-30113-1600-00	566	2000	469	1671	556	1571	596	1510	668	1375	240	273	29.1	86.2	
NC-30113-1800-00	630	2200	491	1856	588	1746	633	1679	714	1529	240	273	31.8	94.0	

Note: Nominated E & F dimensions are based on standard base angle sizes.
These dimensions will vary with a change in base angle size as tabulated below.

ANGLE	SERIES 15 & 25 IN-LINE					
	15 & 25		20 & 30		15 IMPACT	
	E	F	E	F	E	F
55 x 55 x 5 E A	140	205	140	218	140	208
65 x 65 x 5 E A	150	212	150	225	150	215
75 x 75 x 6 E A	165	221	165	234	165	224
90 x 90 x 6 E A	180	232	180	245	180	235
100 x 100 x 8 E A	200	240	200	253	200	243
125 x 125 x 8 E A	240	260	240	273	240	263



SERIES 15 ROLL			DIAMETER 133 IMPACT								BEARING SIZE 6205			
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			C	D	C	D	C	D	C	D			RP	TOTAL
NC-15114-0500-00	191	750	277	604	306	562	319	537	342	488	140	208	10.5	24.8
NC-15114-0600-00	226	850	289	705	323	657	339	630	367	572	140	208	12.0	27.7
NC-15114-0650-00	246	900	296	762	333	712	351	682	381	621	140	208	13.2	29.4
NC-15114-0750-00	280	1000	308	860	350	805	370	772	405	703	140	208	15.3	33.0
NC-15114-0800-00	296	1050	320	906	365	849	386	814	424	741	150	215	15.6	34.9
NC-15114-0900-00	333	1150	333	1013	384	950	408	912	450	831	150	215	17.7	38.3
NC-15114-1000-00	360	1250	351	1090	406	1023	432	983	478	896	165	224	18.9	45.6
NC-15114-1050-00	385	1300	360	1162	419	1092	446	1049	496	956	165	224	20.1	47.8
NC-15114-1200-00	438	1450	389	1315	456	1237	488	1189	544	1084	180	235	23.4	56.5
NC-15114-1350-00	490	1650	407	1465	482	1379	518	1326	581	1210	180	235	25.8	62.5
NC-15114-1400-00	496	1700	417	1482	493	1395	529	1342	593	1224	200	243	26.1	72.4
NC-15114-1500-00	543	1800	433	1617	517	1523	556	1466	626	1338	200	243	28.2	77.5
NC-15114-1600-00	563	2000	460	1675	547	1578	588	1519	661	1386	240	263	29.4	93.8
NC-15114-1800-00	627	2200	481	1859	579	1753	624	1688	706	1540	240	263	32.7	105.2



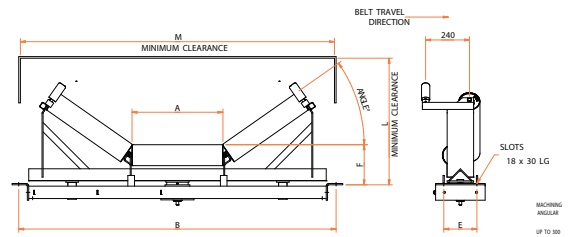




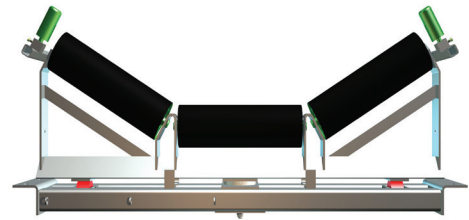
3 Roll Offset and In-line Plain Trainer

3 Roll Offset and In-line Plain Trainer

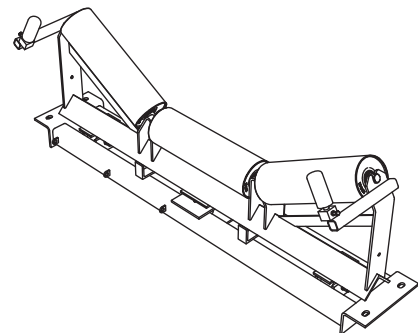
SERIES 10		ROLL DIAMETER 102 OFFSET								BEARING SIZE 6204					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			J	M	J	M	J	M	J	M			RP	TOTAL	
NC-10108-0350-00	133	600	369	776	394	766	402	738	427	724	60	177	3.9	39.0	
NC-10108-0400-00	151	650	372	810	398	798	412	786	438	764	60	177	4.2	40.3	
NC-10108-0450-00	169	700	378	855	407	847	423	833	451	808	60	177	4.5	41.4	
NC-10108-0500-00	186	750	384	910	415	893	432	878	463	848	60	177	4.8	42.7	
NC-10108-0600-00	221	850	395	1012	433	984	452	970	488	933	60	177	5.4	45.2	
NC-10108-0650-00	241	900	399	1050	443	1043	458	1006	495	967	60	177	5.7	46.5	
NC-10108-0750-00	275	1000	411	1148	455	1119	478	1096	519	1049	60	177	6.3	49.0	
NC-10108-0800-00	291	1050	416	1194	463	1163	487	1138	530	1088	60	177	6.6	51.2	
NC-10108-0900-00	328	1150	429	1300	481	1264	508	1236	556	1177	60	177	7.5	53.7	
NC-10108-1000-00	355	1250	441	1397	501	1355	529	1324	583	1256	60	177	7.8	65.1	
NC-10108-1050-00	380	1300	443	1432	507	1406	538	1373	593	1302	60	177	8.4	66.8	
NC-10108-1200-00	433	1450	461	1584	529	1534	562	1496	624	1416	60	177	9.3	71.6	



SERIES 11		ROLL DIAMETER 114 OFFSET								BEARING SIZE 6204				
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			J	M	J	M	J	M	J	M			R/P	TOTAL
NC-11108-0350-00	136	600	369	776	394	766	402	738	427	724	60	183	5.1	40.2
NC-11108-0400-00	154	650	372	810	398	798	412	786	438	764	60	183	5.4	41.5
NC-11108-0450-00	172	700	378	855	407	847	423	833	451	808	60	183	6.0	42.9
NC-11108-0500-00	189	750	384	910	415	893	432	878	463	848	60	183	6.3	44.2
NC-11108-0600-00	224	850	395	1012	433	984	452	970	488	933	60	183	7.2	47.0
NC-11108-0650-00	244	900	399	1050	443	1043	458	1006	495	967	60	183	7.5	48.3
NC-11108-0750-00	278	1000	411	1148	455	1119	478	1096	519	1049	60	183	8.4	51.1
NC-11108-0800-00	294	1050	416	1194	463	1163	487	1138	530	1088	60	183	8.7	53.3
NC-11108-0900-00	331	1150	429	1300	481	1264	508	1236	556	1177	60	183	9.6	56.1
NC-11108-1000-00	358	1250	441	1397	501	1355	529	1324	582	1256	60	183	10.2	67.5
NC-11108-1050-00	383	1300	443	1432	507	1406	538	1373	593	1302	60	183	10.8	69.5
NC-11108-1200-00	436	1450	461	1584	529	1534	562	1496	624	1416	60	183	12.3	74.6



SERIES 12		ROLL DIAMETER 127 OFFSET								BEARING SIZE 6204				
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			J	M	J	M	J	M	J	M			R.P	TOTAL
NC-12108-0350-00	138	600	369	776	394	766	402	738	427	724	60	189	6.0	41.1
NC-12108-0400-00	156	650	372	810	398	798	412	786	438	764	60	189	6.6	42.7
NC-12108-0450-00	174	700	378	855	407	847	423	833	451	808	60	189	6.9	44.4
NC-12108-0500-00	191	750	384	910	415	893	432	878	463	848	60	189	7.5	45.4
NC-12108-0600-00	226	850	395	1012	433	984	452	970	488	933	60	189	8.4	48.1
NC-12108-0650-00	246	900	399	1050	443	1043	458	1006	495	967	60	189	9.0	49.8
NC-12108-0750-00	280	1000	411	1148	455	1119	478	1096	519	1049	60	189	9.9	52.6
NC-12108-0800-00	296	1050	416	1194	463	1163	487	1138	530	1088	60	189	10.5	54.8
NC-12108-0900-00	333	1150	429	1300	481	1264	508	1236	556	1177	60	189	11.4	58.2
NC-12108-1000-00	360	1250	441	1397	501	1355	529	1324	583	1256	60	189	12.0	69.3
NC-12108-1050-00	385	1300	443	1432	507	1406	538	1373	593	1302	60	189	12.9	71.3
NC-12108-1200-00	438	1450	461	1584	529	1534	562	1496	624	1416	60	189	14.4	76.7

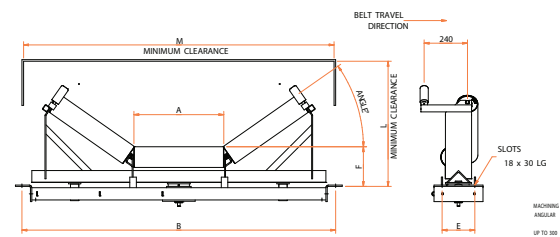


Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

3 Roll Offset and In-line Plain Trainer

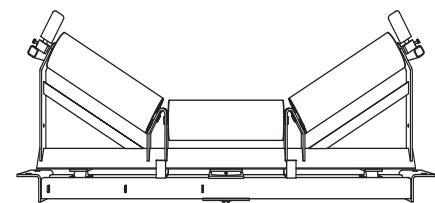
SERIES 15		ROLL DIAMETER 127 OFFSET								BEARING SIZE 6205					
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs		
			J	M	J	M	J	M	J	M			R.P	TOTAL	
NC-15108-0350-00	138	600	369	776	394	766	402	738	427	724	60	191	6.0	42.1	
NC-15108-0400-00	156	650	372	810	398	798	412	786	438	764	60	191	6.5	43.6	
NC-15108-0450-00	174	700	378	855	407	847	423	833	451	808	60	191	7.0	45.1	
NC-15108-0500-00	191	750	384	910	415	893	432	878	463	848	60	191	7.5	46.6	
NC-15108-0600-00	226	850	395	1012	433	984	452	970	488	933	60	191	8.4	49.7	
NC-15108-0650-00	246	900	399	1050	443	1043	458	1006	495	967	60	191	9.0	51.0	
NC-15108-0750-00	280	1000	411	1148	455	1119	478	1096	519	1049	60	191	9.9	54.1	
NC-15108-0800-00	296	1050	416	1194	463	1163	487	1138	530	1088	60	191	10.5	56.3	
NC-15108-0900-00	333	1150	429	1300	481	1264	508	1236	556	1177	60	191	11.4	59.4	
NC-15108-1000-00	360	1250	441	1397	501	1355	529	1324	583	1256	60	191	12.3	70.5	
NC-15108-1050-00	385	1300	443	1432	507	1406	538	1373	593	1302	60	191	12.9	72.8	
NC-15108-1200-00	438	1450	461	1584	529	1534	562	1496	624	1416	60	191	14.4	78.2	



SERIES 15			ROLL DIAMETER 127 IN-LINE								BEARING SIZE 6205			
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			J	M	J	M	J	M	J	M			R/P	TOTAL
NC-15116-0500-00	191	750	404	962	435	933	448	926	474	877	140	213	7.5	47.5
NC-15116-0600-00	226	850	413	1044	453	1029	468	1020	499	961	140	213	8.4	50.4
NC-15116-0650-00	246	900	420	1101	458	1066	479	1072	513	1010	140	213	9.0	51.8
NC-15116-0750-00	280	1000	431	1199	475	1159	499	1161	537	1092	140	213	9.9	54.8
NC-15116-0800-00	296	1050	444	1245	490	1203	515	1203	556	1131	150	220	10.5	57.0
NC-15116-0900-00	333	1150	453	1333	508	1304	530	1284	575	1206	150	220	11.4	60.0
NC-15116-1000-00	360	1250	475	1430	536	1395	561	1372	610	1285	165	229	12.3	70.9
NC-15116-1050-00	385	1300	480	1483	538	1429	569	1422	621	1331	165	229	12.9	73.4
NC-15116-1200-00	438	1450	509	1635	576	1573	611	1562	669	1459	180	240	14.4	85.2
NC-15116-1350-00	490	1650	527	1785	602	1716	641	1699	706	1584	180	240	15.9	92.2
NC-15116-1400-00	496	1700	540	1821	623	1766	658	1732	732	1628	200	248	15.9	101.2
NC-15116-1500-00	543	1800	549	1918	636	1860	673	1822	751	1713	200	248	17.1	106.8
NC-15116-1600-00	563	2000	533	2013	676	1950	716	1908	801	1789	240	268	17.7	125.6
NC-15116-1800-00	627	2200	608	2217	708	2124	759	2093	845	1944	240	268	19.5	137.1

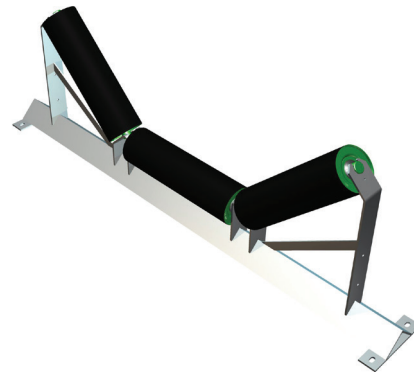


SERIES 20			ROLL DIAMETER 152 IN-LINE								BEARING SIZE 6205			
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			J	M	J	M	J	M	J	M			R.P	TOTAL
NC-20116-0500-00	194	750	404	962	435	933	448	926	474	877	140	226	12.3	52.3
NC-20116-0600-00	229	850	413	1044	453	1029	468	1020	499	961	140	226	13.8	55.8
NC-20116-0650-00	249	900	420	1101	458	1066	479	1072	513	1010	140	226	14.7	57.8
NC-20116-0750-00	283	1000	431	1199	475	1159	499	1161	537	1092	140	226	16.2	61.1
NC-20116-0800-00	299	1050	444	1245	490	1203	515	1203	556	1131	150	233	17.1	63.6
NC-20116-0900-00	336	1150	453	1333	508	1304	530	1284	575	1206	150	233	18.6	67.2
NC-20116-1000-00	363	1250	475	1430	536	1395	561	1372	610	1285	165	242	19.8	78.4
NC-20116-1050-00	388	1300	480	1483	538	1429	569	1422	621	1331	165	242	21.0	81.2
NC-20116-1200-00	441	1450	509	1635	576	1573	611	1562	669	1459	180	253	23.1	96.0
NC-20116-1350-00	493	1650	527	1785	602	1716	641	1699	706	1584	180	253	25.5	103.9
NC-20116-1400-00	499	1700	540	1821	623	1766	658	1732	732	1628	200	261	25.8	111.4
NC-20116-1500-00	546	1800	549	1918	636	1860	673	1822	751	1713	200	261	27.9	117.5
NC-20116-1600-00	566	2000	533	2013	676	1950	716	1908	801	1789	240	261	28.8	136.4
NC-20116-1800-00	630	2200	608	2217	708	2124	759	2093	845	1944	240	261	31.5	149.1

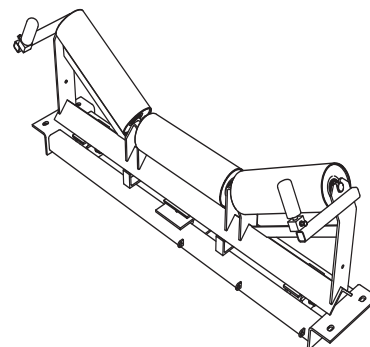


3 Roll Offset and In-line Plain Trainer

SERIES 25		ROLL DIAMETER 127 IN-LINE										BEARING SIZE 6305		
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			J	M	J	M	J	M	J	M			R.P	TOTAL
NC-25116-0750-00	280	1000	431	1199	475	1159	499	1161	537	1092	140	213	10.5	55.4
NC-25116-0800-00	296	1050	444	1245	490	1203	515	1203	556	1131	150	220	10.8	57.6
NC-25116-0900-00	333	1150	453	1333	508	1304	530	1284	575	1206	150	220	11.7	60.6
NC-25116-1000-00	360	1250	475	1430	536	1395	561	1372	610	1285	165	229	12.6	71.5
NC-25116-1050-00	385	1300	480	1483	538	1429	569	1422	621	1331	165	229	13.2	75.2
NC-25116-1200-00	438	1450	509	1635	576	1573	611	1562	669	1459	180	240	14.7	89.4
NC-25116-1350-00	490	1650	527	1785	602	1716	641	1699	706	1584	180	240	16.2	96.7
NC-25116-1400-00	496	1700	540	1821	623	1766	658	1732	732	1628	200	248	16.2	103.9
NC-25116-1500-00	543	1800	549	1918	636	1860	673	1822	751	1713	200	248	17.7	111.6
NC-25116-1600-00	563	2000	533	2013	676	1950	716	1908	801	1789	240	266	18.0	130.4
NC-25116-1800-00	627	2200	608	2217	708	2124	759	2093	845	1944	240	266	19.8	140.1

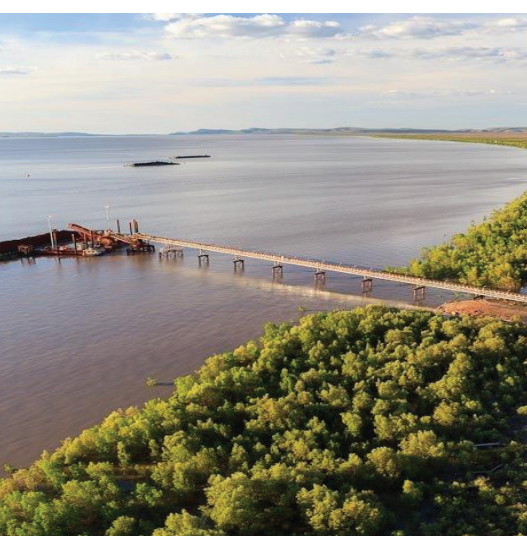


SERIES 30		ROLL DIAMETER 152 IN-LINE										BEARING SIZE 6305		
CODE NUMBER	A	B	20°		30°		35°		45°		E	F	MASS kgs	
			J	M	J	M	J	M	J	M			R.P	TOTAL
NC-30116-0750-00	283	1000	431	1199	475	1159	499	1161	537	1092	140	226	16.8	61.7
NC-30116-0800-00	299	1050	444	1245	490	1203	515	1203	556	1131	150	233	17.4	64.2
NC-30116-0900-00	336	1150	453	1333	508	1304	530	1284	575	1206	150	233	18.9	67.8
NC-30116-1000-00	363	1250	475	1430	536	1395	561	1372	610	1285	165	242	20.1	80.5
NC-30116-1050-00	388	1300	480	1483	538	1429	569	1422	621	1331	165	242	21.3	83.3
NC-30116-1200-00	441	1450	509	1635	576	1573	611	1562	669	1459	180	253	23.7	98.4
NC-30116-1350-00	493	1650	527	1785	602	1716	641	1699	706	1584	180	253	25.8	106.3
NC-30116-1400-00	499	1700	540	1821	623	1766	658	1732	732	1628	200	261	26.1	113.5
NC-30116-1500-00	546	1800	549	1918	636	1860	673	1822	751	1713	200	261	28.2	122.1
NC-30116-1600-00	566	2000	533	2013	676	1950	716	1908	801	1789	240	281	29.1	141.2
NC-30116-1800-00	630	2200	608	2217	708	2124	759	2093	845	1944	240	281	31.8	152.1



Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

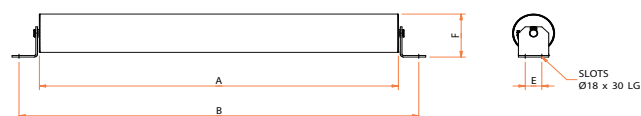
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.



Single Roll Flat Carry and Impact

Single Roll Flat Carry and Impact

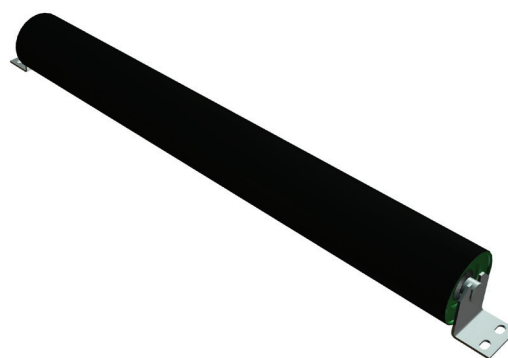
SERIES 05		ROLL DIAMETER 114		BEARING SIZE 6205		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-05155-0500	595	750	60	152	5.4	10.2
NC-05155-0600	695	850	60	152	6.1	12.2
NC-05155-0650	745	900	60	152	6.5	12.9
NC-05155-0750	845	1000	60	152	7.3	14.3
NC-05155-0800	895	1050	60	152	7.7	15.0
NC-05155-0900	995	1150	60	152	8.5	17.6
NC-05155-1000	1095	1250	60	152	9.3	19.1
NC-05155-1050	1145	1300	60	152	9.7	19.8
NC-05155-1200	1295	1450	60	152	10.9	22.0



SERIES 12		ROLL DIAMETER 127		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-12155-0500	596	750	60	156	6.2	11.0
NC-12155-0600	696	850	60	156	7.1	13.2
NC-12155-0650	746	900	60	156	7.6	13.9
NC-12155-0750	846	1000	60	156	8.5	15.4
NC-12155-0800	896	1050	60	156	8.9	16.2
NC-12155-0900	996	1150	60	156	9.9	17.7
NC-12155-1000	1096	1250	60	156	10.8	20.5
NC-12155-1050	1146	1300	60	156	11.2	21.3
NC-12155-1200	1296	1450	60	156	12.6	23.7
NC-12155-1350	1496	1650	60	156	14.4	28.9
NC-12155-1400	1545	1700	60	156	14.9	29.8

SERIES 10		ROLL DIAMETER 102		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-10155-0350	441	600	60	144	3.2	6.8
NC-10155-0400	491	650	60	144	3.5	7.8
NC-10155-0450	541	700	60	144	3.8	8.4
NC-10155-0500	591	750	60	144	4.1	8.9
NC-10155-0600	691	850	60	144	4.7	10.0
NC-10155-0650	741	900	60	144	5.0	11.4
NC-10155-0750	841	1000	60	144	5.6	12.6
NC-10155-0800	891	1050	60	144	5.9	13.1
NC-10155-0900	991	1150	60	144	6.5	14.3
NC-10155-1000	1091	1250	60	144	7.1	16.9
NC-10155-1050	1141	1300	60	144	7.5	17.5
NC-10155-1200	1291	1450	60	144	8.4	19.5

SERIES 11		ROLL DIAMETER 114		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-11155-0500	594	750	60	150	5.3	10.1
NC-11155-0600	694	850	60	150	6.1	12.2
NC-11155-0650	744	900	60	150	6.5	12.9
NC-11155-0750	844	1000	60	150	7.3	14.2
NC-11155-0800	894	1050	60	150	7.7	14.9
NC-11155-0900	994	1150	60	150	8.5	16.3
NC-11155-1000	1094	1250	60	150	9.3	19.0
NC-11155-1050	1144	1300	60	150	9.7	19.8
NC-11155-1200	1294	1450	60	150	10.9	22.0

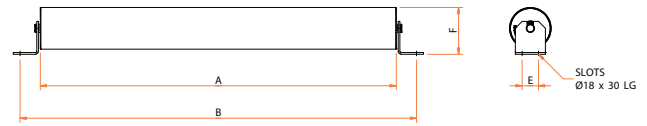


Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

Single Roll Flat Carry and Impact

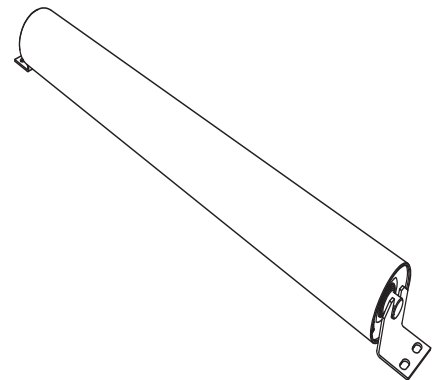
SERIES 15		ROLL DIAMETER 127		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-15155-0500	596	750	60	158	6.2	11.1
NC-15155-0600	696	850	60	158	7.1	12.4
NC-15155-0650	746	900	60	158	7.6	13.1
NC-15155-0750	846	1000	60	158	8.5	15.5
NC-15155-0800	896	1050	60	158	9.0	16.2
NC-15155-0900	996	1150	60	158	9.9	17.7
NC-15155-1000	1096	1250	60	158	10.8	19.2
NC-15155-1050	1146	1300	60	158	11.3	21.3
NC-15155-1200	1296	1450	60	158	12.6	23.8
NC-15155-1350	1496	1650	60	158	14.5	27.0
NC-15155-1400	1546	1700	60	158	15.0	27.8



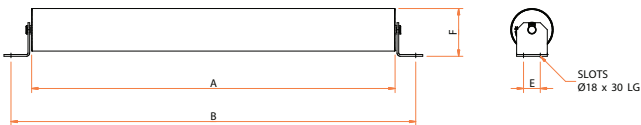
SERIES 20		ROLL DIAMETER 152		BEARING SIZE 6205		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-20155-0500	599	750	60	171	10.0	15.6
NC-20155-0600	699	850	60	171	11.5	17.6
NC-20155-0650	749	900	60	171	12.2	18.6
NC-20155-0750	849	1000	60	171	13.7	21.7
NC-20155-0800	899	1050	60	171	14.4	22.8
NC-20155-0900	999	1150	60	171	15.9	24.9
NC-20155-1000	1099	1250	60	171	17.3	27.1
NC-20155-1050	1149	1300	60	171	18.1	28.1
NC-20155-1200	1299	1450	60	171	20.3	33.1
NC-20155-1350	1499	1650	60	171	23.2	37.7
NC-20155-1400	1549	1700	60	171	23.9	38.8



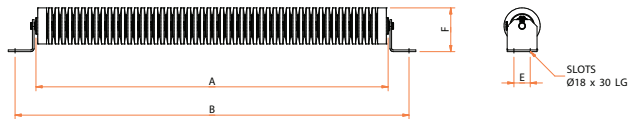
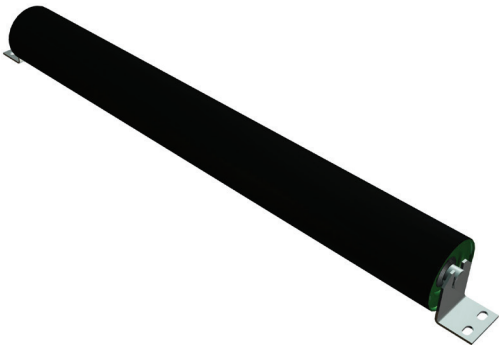
SERIES 25		ROLL DIAMETER 127			BEARING SIZE 6305	
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-25155-0750	846	1000	60	158	8.6	17.9
NC-25155-0800	896	1050	60	158	9.1	18.8
NC-25155-0900	996	1150	60	158	10.0	20.5
NC-25155-1000	1096	1250	60	158	10.9	23.8
NC-25155-1050	1146	1300	60	158	11.4	24.8
NC-25155-1200	1296	1450	60	158	12.8	27.6
NC-25155-1350	1496	1650	60	158	14.6	33.7
NC-25155-1400	1546	1700	60	158	15.1	34.7
NC-25155-1500	1646	1800	60	158	16.0	36.8
NC-25155-1600	1846	2000	60	158	17.8	40.8
NC-25155-1800	2046	2200	60	158	19.6	48.3



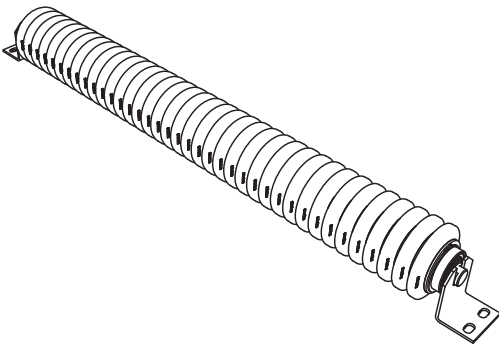
Single Roll Flat Carry and Impact



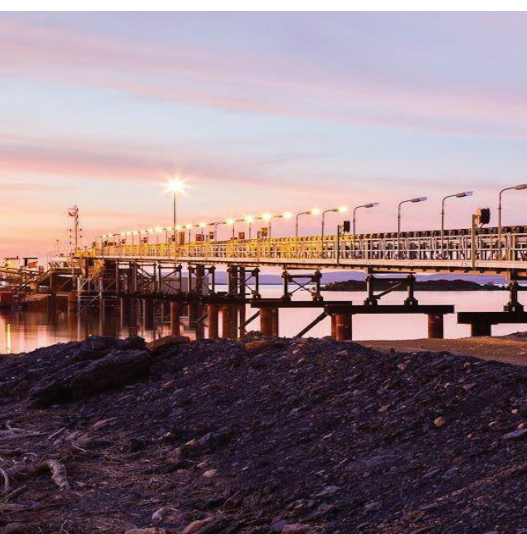
SERIES 30		ROLL DIAMETER 152		BEARING SIZE 6305		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-30155-0750	849	1000	60	171	13.8	23.1
NC-30155-0800	899	1050	60	171	14.5	24.2
NC-30155-0900	999	1150	60	171	16.0	27.9
NC-30155-1000	1099	1250	60	171	17.4	30.4
NC-30155-1050	1149	1300	60	171	18.2	31.6
NC-30155-1200	1299	1450	60	171	20.4	35.2
NC-30155-1350	1499	1650	60	171	23.3	42.4
NC-30155-1400	1549	1700	60	171	24.0	43.7
NC-30155-1500	1649	1800	60	171	25.5	46.3
NC-30155-1600	1849	2000	60	171	28.4	54.5
NC-30155-1800	2049	2200	60	171	31.3	60.0



SERIES 15		ROLL DIAMETER 133 IMPACT		BEARING SIZE 6205		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-15156-0350	446	600	60	161	7.4	11.5
NC-15156-0400	496	650	60	161	8.2	12.6
NC-15156-0450	546	700	60	161	9.0	13.6
NC-15156-0500	596	750	60	161	10.0	14.8
NC-15156-0600	696	850	60	161	11.6	17.7
NC-15156-0650	746	900	60	161	12.5	18.8
NC-15156-0750	846	1000	60	161	14.1	21.0
NC-15156-0800	896	1050	60	161	14.9	23.2
NC-15156-0900	996	1150	60	161	16.7	25.8
NC-15156-1000	1096	1250	60	161	18.5	28.3
NC-15156-1050	1146	1300	60	161	19.3	29.4
NC-15156-1200	1296	1450	60	161	21.8	34.6
NC-15156-1350	1496	1650	60	161	25.2	39.7
NC-15156-1400	1546	1700	60	161	26.0	40.9
NC-15156-1500	1646	1800	60	161	27.6	43.4



Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°. To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.



Single Roll Plain and Disc Flat Return

Single Roll Plain and Disc Flat Return

SERIES 05		ROLL DIAMETER 114		BEARING SIZE 6205		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-05161-0500	595	750	60	19	5.4	10.0
NC-05161-0600	695	850	60	19	6.1	11.2
NC-05161-0650	745	900	60	19	6.5	11.9
NC-05161-0750	845	1000	60	19	7.3	13.1
NC-05161-0800	895	1050	60	19	7.7	13.8
NC-05161-0900	995	1150	60	19	8.5	15.0
NC-05161-1000	1095	1250	60	19	9.3	16.3
NC-05161-1050	1145	1300	60	19	9.7	18.2
NC-05161-1200	1295	1450	60	19	10.9	20.2



SERIES 12		ROLL DIAMETER 127		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-12161-0500	596	750	60	23	6.2	10.2
NC-12161-0600	696	850	60	23	7.1	11.5
NC-12161-0650	746	900	60	23	7.6	12.1
NC-12161-0750	846	1000	60	23	8.5	14.3
NC-12161-0800	896	1050	60	23	9.0	15.0
NC-12161-0900	996	1150	60	23	9.9	16.3
NC-12161-1000	1096	1250	60	23	10.8	17.7
NC-12161-1050	1146	1300	60	23	11.3	18.4
NC-12161-1200	1296	1450	60	23	12.6	21.9
NC-12161-1350	1496	1650	60	23	14.5	24.9
NC-12161-1400	1546	1700	60	23	14.9	25.6

SERIES 10		ROLL DIAMETER 102		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-10161-0350	441	600	60	11	3.2	6.3
NC-10161-0400	491	650	60	11	3.5	6.8
NC-10161-0450	541	700	60	11	3.8	7.3
NC-10161-0500	591	750	60	11	4.1	7.7
NC-10161-0600	691	850	60	11	4.7	9.1
NC-10161-0650	741	900	60	11	5.0	9.6
NC-10161-0750	841	1000	60	11	5.6	11.4
NC-10161-0800	891	1050	60	11	5.9	11.9
NC-10161-0900	991	1150	60	11	6.5	13.0
NC-10161-1000	1091	1250	60	11	7.2	14.1
NC-10161-1050	1141	1300	60	11	7.5	14.6
NC-10161-1200	1291	1450	60	11	8.4	16.2

SERIES 11		ROLL DIAMETER 114		BEARING SIZE 6204		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-11161-0500	594	750	60	17	5.3	9.3
NC-11161-0600	694	850	60	17	6.1	10.5
NC-11161-0650	744	900	60	17	6.5	11.1
NC-11161-0750	844	1000	60	17	7.3	13.1
NC-11161-0800	894	1050	60	17	7.7	13.7
NC-11161-0900	994	1150	60	17	8.5	15.0
NC-11161-1000	1094	1250	60	17	9.3	16.2
NC-11161-1050	1144	1300	60	17	9.7	16.9
NC-11161-1200	1294	1450	60	17	10.9	20.2

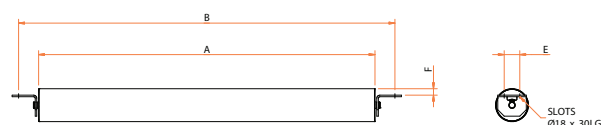


Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

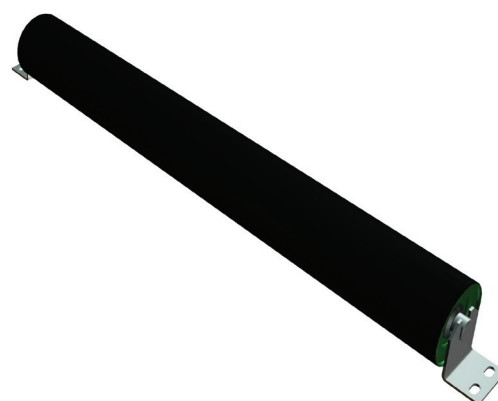
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

Single Roll Plain and Disc Flat Return

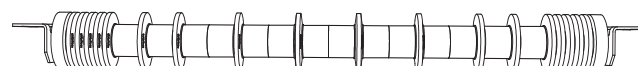
SERIES 15	ROLL DIAMETER 127				BEARING SIZE 6205	
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-15161-0500	596	750	60	25	6.2	10.9
NC-15161-0600	696	850	60	25	7.1	12.2
NC-15161-0650	746	900	60	25	7.6	12.9
NC-15161-0750	846	1000	60	25	8.5	14.3
NC-15161-0800	896	1050	60	25	9.0	15.0
NC-15161-0900	996	1150	60	25	9.9	16.4
NC-15161-1000	1096	1250	60	25	10.8	17.8
NC-15161-1050	1146	1300	60	25	11.3	19.7
NC-15161-1200	1296	1450	60	25	12.7	22.0
NC-15161-1350	1496	1650	60	25	14.5	24.9
NC-15161-1400	1546	1700	60	25	14.9	25.7



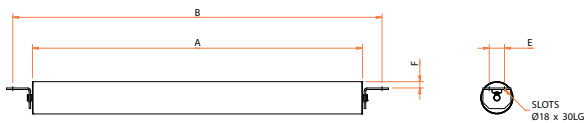
SERIES 20	ROLL DIAMETER 152				BEARING SIZE 6205	
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-20161-0500	599	750	60	38	10.0	14.7
NC-20161-0600	699	850	60	38	11.5	16.6
NC-20161-0650	749	900	60	38	12.2	17.6
NC-20161-0750	849	1000	60	38	13.7	19.5
NC-20161-0800	899	1050	60	38	14.4	20.5
NC-20161-0900	999	1150	60	38	15.9	22.4
NC-20161-1000	1099	1250	60	38	17.3	25.5
NC-20161-1050	1149	1300	60	38	18.1	26.5
NC-20161-1200	1299	1450	60	38	20.3	29.6
NC-20161-1350	1499	1650	60	38	23.2	33.6
NC-20161-1400	1549	1700	60	38	23.9	34.7



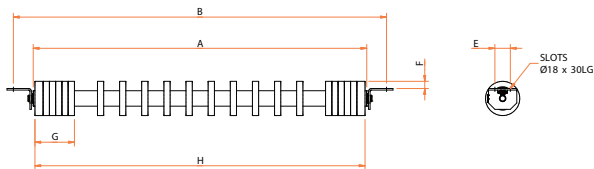
SERIES 25	ROLL DIAMETER 127				BEARING SIZE 6305	
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-25161-0750	846	1000	60	25	8.7	15.5
NC-25161-800	896	1050	60	25	9.1	16.2
NC-25161-0900	996	1150	60	25	10.0	18.9
NC-25161-1000	1096	1250	60	25	10.9	20.5
NC-25161-1050	1146	1300	60	25	11.4	21.3
NC-25161-1200	1296	1450	60	25	12.8	23.6
NC-25161-1350	1496	1650	60	25	14.6	29.0
NC-25161-1400	1546	1700	60	25	15.1	29.8
NC-25161-1500	1646	1800	60	25	16.0	31.6
NC-25161-1600	1846	2000	60	25	17.8	35.1
NC-25161-1800	2046	2200	60	25	19.7	41.5



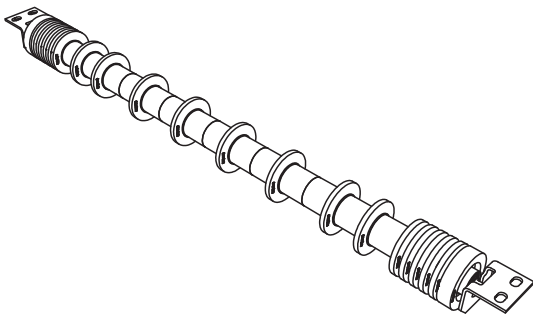
Single Roll Plain and Disc Flat Return



SERIES 30	ROLL DIAMETER 152			BEARING SIZE 6305		
CODE NUMBER	A	B	E	F	MASS kgs	
					R.P	TOTAL
NC-30161-0750	849	1000	60	38	13.8	20.6
NC-30161-0800	899	1050	60	38	14.6	21.6
NC-30161-0900	999	1150	60	38	16.0	24.9
NC-30161-1000	1099	1250	60	38	17.5	27.1
NC-30161-1050	1149	1300	60	38	18.2	28.1
NC-30161-1200	1299	1450	60	38	20.4	31.4
NC-30161-1350	1499	1650	60	38	23.3	37.7
NC-30161-1400	1549	1700	60	38	24.0	38.8
NC-30161-1500	1649	1800	60	38	25.5	41.1
NC-30161-1600	1849	2000	60	38	28.4	45.7
NC-30161-1800	2049	2200	60	38	31.3	53.2



SERIES 15		ROLL DIAMETER 127 DISC				BEARING SIZE 6205		
CODE NUMBER	A	B	E	F	G	H	MASS kgs	
							R.P	TOTAL
NC-15162-0500	596	750	60	25	160	575	9.3	14.0
NC-15162-0600	696	850	60	25	160	675	10.1	15.2
NC-15162-0650	746	900	60	25	160	725	10.8	16.1
NC-15162-0750	846	1000	60	25	160	825	11.5	17.3
NC-15162-0800	896	1050	60	25	160	875	12.3	18.3
NC-15162-0900	996	1150	60	25	160	975	13.0	19.5
NC-15162-1000	1096	1250	60	25	160	1075	14.1	21.1
NC-15162-1050	1146	1300	60	25	160	1125	14.5	22.9
NC-15162-1200	1296	1450	60	25	160	1275	16.0	25.3
NC-15162-1350	1496	1650	60	25	160	1425	17.8	28.2
NC-15162-1400	1546	1700	60	25	160	1475	18.5	29.3

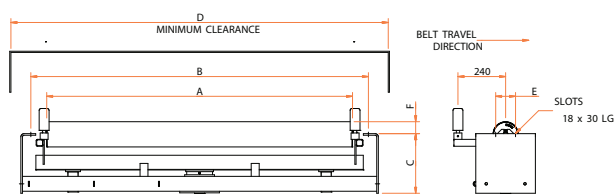


Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°. To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

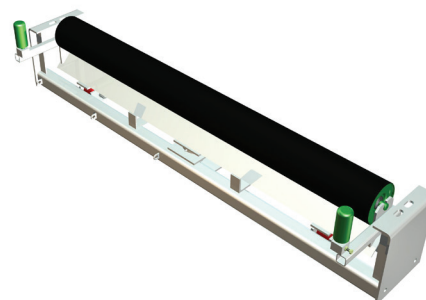


Single Roll Plain Return Trainer

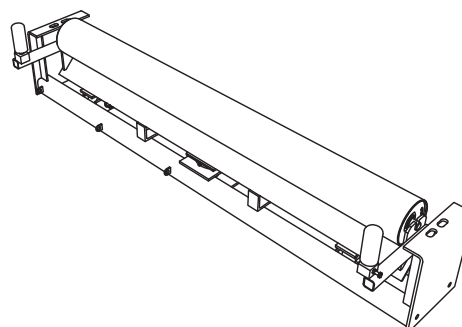
Single Roll Plain Return Trainer



SERIES 05		ROLL DIAMETER 114				BEARING SIZE 6205		
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-05163-0500	595	750	248	830	60	27	5.4	36.2
NC-05163-0600	695	850	248	930	60	27	6.1	39.0
NC-05163-0650	745	900	248	980	60	27	6.5	40.4
NC-05163-0750	845	1000	248	1080	60	27	7.3	43.2
NC-05163-0800	895	1050	248	1130	60	27	7.7	44.7
NC-05163-0900	995	1150	248	1230	60	27	8.5	47.5
NC-05163-1000	1095	1250	248	1330	60	27	9.3	50.4
NC-05163-1050	1145	1300	248	1380	60	27	9.7	53.0
NC-05163-1200	1295	1450	255	1530	60	27	10.9	58.5



SERIES 10		ROLL DIAMETER 102				BEARING SIZE 6204		
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-10163-0350	441	600	248	680	60	19	3.2	37.0
NC-10163-0400	491	650	248	730	60	19	3.5	38.3
NC-10163-0450	541	700	248	780	60	19	3.8	39.6
NC-10163-0500	591	750	248	830	60	19	4.1	40.8
NC-10163-0600	691	850	248	930	60	19	4.7	43.8
NC-10163-0650	741	900	248	980	60	19	5.0	45.0
NC-10163-0750	841	1000	248	1080	60	19	5.6	48.4
NC-10163-0800	891	1050	248	1130	60	19	5.9	49.4
NC-10163-0900	991	1150	248	1230	60	19	6.5	52.4
NC-10163-1000	1091	1250	248	1330	60	19	7.2	55.1
NC-10163-1050	1141	1300	248	1380	60	19	7.5	56.3
NC-10163-1200	1291	1450	255	1530	60	19	8.4	61.4



SERIES 11		ROLL DIAMETER 114				BEARING SIZE 6204		
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-11163-0500	594	750	248	830	60	25	5.3	42.4
NC-11163-0600	694	850	248	930	60	25	6.1	45.2
NC-11163-0650	744	900	248	980	60	25	6.5	46.5
NC-11163-0750	844	1000	248	1080	60	25	7.3	50.1
NC-11163-0800	894	1050	248	1130	60	25	7.7	51.5
NC-11163-0900	994	1150	248	1230	60	25	8.5	54.4
NC-11163-1000	1094	1250	248	1330	60	25	9.3	57.2
NC-11163-1050	1144	1300	248	1380	60	25	9.7	62.2
NC-11163-1200	1294	1450	255	1530	60	25	10.9	65.4

Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

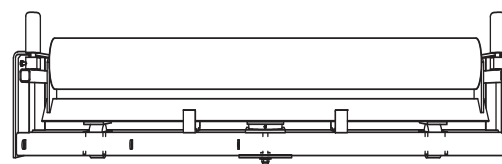
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

Single Roll Plain Return Trainer

SERIES 12		ROLL DIAMETER 127					BEARING SIZE 6204	
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-12163-0500	596	750	248	830	60	32	6.2	43.3
NC-12163-0600	696	850	248	930	60	32	7.1	46.2
NC-12163-0650	746	900	248	980	60	32	7.6	47.5
NC-12163-0750	846	1000	248	1080	60	32	8.5	51.3
NC-12163-0800	896	1050	248	1130	60	32	9.0	52.8
NC-12163-0900	996	1150	248	1230	60	32	9.9	55.7
NC-12163-1000	1096	1250	248	1330	60	32	10.8	58.7
NC-12163-1050	1146	1300	248	1380	60	32	11.3	60.1
NC-12163-1200	1296	1450	255	1530	60	32	12.6	67.1
NC-12163-1350	1496	1650	277	1730	60	32	14.5	86.6
NC-12163-1400	1546	1700	277	1780	60	32	14.9	88.5



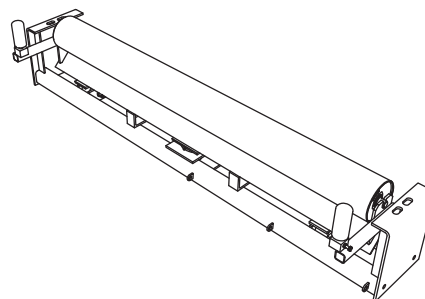
SERIES 15		ROLL DIAMETER 127					BEARING SIZE 6205	
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-15163-0500	596	750	248	830	60	34	6.2	44.0
NC-15163-0600	696	850	248	930	60	34	7.1	46.9
NC-15163-0650	746	900	248	980	60	34	7.6	48.3
NC-15163-0750	846	1000	248	1080	60	34	8.5	51.3
NC-15163-0800	896	1050	248	1130	60	34	9.0	52.8
NC-15163-0900	996	1150	248	1230	60	34	9.9	55.8
NC-15163-1000	1096	1250	248	1330	60	34	10.8	58.8
NC-15163-1050	1146	1300	248	1380	60	34	11.3	61.4
NC-15163-1200	1296	1450	255	1530	60	34	12.7	67.2
NC-15163-1350	1496	1650	277	1730	60	34	14.5	86.6
NC-15163-1400	1546	1700	277	1780	60	34	14.9	88.6



SERIES 20		ROLL DIAMETER 152					BEARING SIZE 6205	
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-20163-0500	599	750	248	830	60	46	10.0	47.8
NC-20163-0600	699	850	248	930	60	46	11.5	51.3
NC-20163-0650	749	900	248	980	60	46	12.2	53.0
NC-20163-0750	849	1000	248	1080	60	46	13.7	56.5
NC-20163-0800	899	1050	248	1130	60	46	14.4	58.2
NC-20163-0900	999	1150	248	1230	60	46	15.9	61.8
NC-20163-1000	1099	1250	248	1330	60	46	17.3	66.5
NC-20163-1050	1149	1300	248	1380	60	46	18.1	68.2
NC-20163-1200	1299	1450	255	1530	60	46	20.3	74.8
NC-20163-1350	1499	1650	277	1730	60	46	23.2	95.7
NC-20163-1400	1549	1700	277	1780	60	46	23.9	97.6

Single Roll Plain Return Trainer

SERIES 25		ROLL DIAMETER 127					BEARING SIZE 6305	
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-25163-0750	846	1000	248	1080	60	34	8.7	52.5
NC-25163-0800	896	1050	248	1130	60	34	9.1	54.0
NC-25163-0900	996	1150	248	1230	60	34	10.0	58.3
NC-25163-1000	1096	1250	248	1330	60	34	10.9	61.5
NC-25163-1050	1146	1300	248	1380	60	34	11.4	63.0
NC-25163-1200	1296	1450	255	1530	60	34	12.8	68.8
NC-25163-1350	1496	1650	277	1730	60	34	14.6	90.7
NC-25163-1400	1546	1700	277	1780	60	34	15.1	92.7
NC-25163-1500	1646	1800	298	1880	60	34	16.0	108.6
NC-25163-1600	1846	2000	298	2080	60	34	17.8	117.7
NC-25163-1800	2046	2200	318	2280	60	34	19.7	140.4



SERIES 30		ROLL DIAMETER 152					BEARING SIZE 6305	
CODE NUMBER	A	B	C	D	E	F	MASS kgs	
							R.P	TOTAL
NC-30163-0750	849	1000	248	1080	60	46	13.8	57.6
NC-30163-0800	899	1050	248	1130	60	46	14.6	59.5
NC-30163-0900	999	1150	248	1230	60	46	16.0	64.3
NC-30163-1000	1099	1250	248	1330	60	46	17.5	68.1
NC-30163-1050	1149	1300	248	1380	60	46	18.2	69.8
NC-30163-1200	1299	1450	255	1530	60	46	20.4	76.6
NC-30163-1350	1499	1650	277	1730	60	46	23.3	99.4
NC-30163-1400	1549	1700	277	1780	60	46	24.0	101.7
NC-30163-1500	1649	1800	298	1880	60	46	25.5	118.1
NC-30163-1600	1849	2000	298	2080	60	46	28.4	128.3
NC-30163-1800	2049	2200	318	2280	60	46	31.3	152.1



Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

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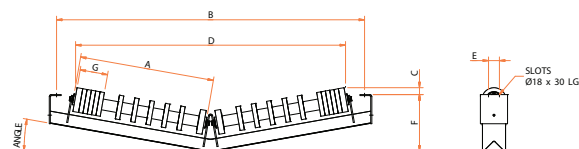


2 Roll Plain and Disc Vee Return

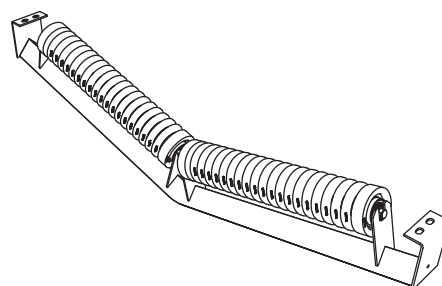


2 Roll Plain and Disc Vee Return

SERIES 05			ROLL DIAMETER 114									BEARING SIZE 6205		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-05169-0600-00	342	850	44	724	189	35	708	230	26	687	273	60	6.6	20.2
NC-05169-0650-00	364	900	44	768	191	35	752	235	25	729	280	60	7.0	21.1
NC-05169-0750-00	418	1000	44	876	195	35	858	243	25	834	294	60	7.8	23.0
NC-05169-0800-00	437	1050	43	914	197	34	895	248	23	870	300	60	8.2	23.7
NC-05169-0900-00	489	1150	43	1017	202	34	998	257	23	971	314	60	9.0	25.6
NC-05169-1000-00	542	1250	44	1123	206	35	1102	265	24	1073	327	60	9.8	27.3
NC-05169-1050-00	562	1300	43	1163	209	34	1142	270	22	1112	334	60	10.2	28.2
NC-05169-1200-00	647	1450	44	1332	215	35	1309	283	24	1276	354	60	11.6	31.0
NC-05169-1350-00	723	1650	42	1483	231	31	1459	308	17	1423	388	60	12.8	37.6
NC-05169-1400-00	740	1700	41	1517	233	29	1492	312	15	1456	394	60	13.0	38.4
NC-05169-1500-00	791	1800	41	1619	248	29	1593	332	14	1554	420	60	13.8	43.8
NC-05169-1600-00	841	2000	37	1718	265	20	1691	358	1	1651	454	60	14.6	56.2
NC-05169-1800-00	938	2200	37	1912	274	19	1882	376	-1	1839	481	60	16.2	61.2



SERIES 10			ROLL DIAMETER 102									BEARING SIZE 6204		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-10169-0600-00	338	850	36	722	189	27	707	230	17	687	273	60	5.0	17.4
NC-10169-0650-00	360	900	35	765	191	27	751	235	16	730	280	60	5.4	18.1
NC-10169-0750-00	414	1000	36	873	195	27	857	243	17	834	294	60	6.0	19.6
NC-10169-0800-00	433	1050	35	911	197	26	894	248	15	871	300	60	6.2	20.3
NC-10169-0900-00	485	1150	35	1015	202	26	997	257	15	971	314	60	6.8	21.6
NC-10169-1000-00	538	1250	36	1120	206	27	1101	265	15	1074	327	60	7.6	23.1
NC-10169-1050-00	558	1300	35	1160	209	26	1140	270	14	1112	334	60	7.8	23.8
NC-10169-1200-00	643	1450	36	1329	215	27	1308	283	16	1276	354	60	8.8	27.0
NC-10169-1350-00	719	1650	34	1481	231	23	1458	308	9	1423	388	60	9.8	33.0
NC-10169-1400-00	736	1700	33	1515	233	21	1491	312	6	1456	394	60	10.0	33.8
NC-10169-1500-00	787	1800	33	1616	248	21	1591	332	6	1555	420	60	10.6	39.0
NC-10169-1600-00	837	2000	29	1716	265	12	1690	358	-8	1651	454	60	11.2	51.0
NC-10169-1800-00	934	2200	29	1909	274	12	1881	375	-9	1839	481	60	12.4	57.4



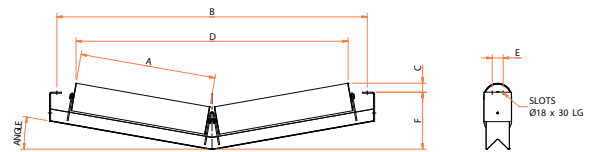
SERIES 11			ROLL DIAMETER 114									BEARING SIZE 6204		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-11169-0600-00	341	850	42	724	189	33	708	230	24	687	273	60	6.6	19.0
NC-11169-0650-00	363	900	42	767	191	33	751	235	23	730	280	60	7.0	19.7
NC-11169-0750-00	417	1000	42	875	195	33	858	243	23	834	294	60	7.8	21.4
NC-11169-0800-00	436	1050	41	913	197	32	895	248	21	871	300	60	8.2	22.1
NC-11169-0900-00	488	1150	41	1016	202	32	998	257	21	971	314	60	9.0	23.8
NC-11169-1000-00	541	1250	42	1122	206	33	1102	265	22	1073	327	60	9.8	25.5
NC-11169-1050-00	561	1300	41	1162	209	32	1141	270	20	1112	334	60	10.2	26.2
NC-11169-1200-00	646	1450	42	1331	215	33	1309	283	22	1276	354	60	11.4	29.6
NC-11169-1350-00	722	1650	40	1483	231	29	1458	308	15	1423	388	60	12.6	36.0
NC-11169-1400-00	739	1700	39	1517	233	28	1491	312	13	1456	394	60	13.0	36.8
NC-11169-1500-00	790	1800	39	1618	248	28	1592	332	13	1554	420	60	13.8	42.2
NC-11169-1600-00	840	2000	35	1718	265	19	1691	358	-1	1651	454	60	14.6	56.0
NC-11169-1800-00	937	2200	35	1911	274	18	1882	376	-3	1838	481	60	16.0	61.2

Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

2 Roll Plain and Disc Vee Return

SERIES 12			ROLL DIAMETER 127									BEARING SIZE 6204		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-12169-0600-00	343	850	48	725	189	40	708	230	30	686	273	60	78	20.0
NC-12169-0650-00	365	900	48	768	191	39	751	235	29	728	280	60	8.2	20.9
NC-12169-0750-00	419	1000	48	876	195	40	888	243	30	832	294	60	9.2	22.8
NC-12169-0800-00	438	1050	48	914	197	39	895	248	28	869	300	60	9.6	23.5
NC-12169-0900-00	490	1150	48	1017	202	39	997	257	28	970	314	60	10.4	25.2
NC-12169-1000-00	543	1250	48	1123	206	39	1102	265	28	1072	327	60	11.4	27.1
NC-12169-1050-00	563	1300	48	1163	209	38	1141	270	27	1111	334	60	11.8	27.8
NC-12169-1200-00	648	1450	49	1332	215	40	1309	283	29	1275	354	60	13.4	31.6
NC-12169-1350-00	724	1650	47	1484	231	35	1458	308	22	1422	388	60	14.8	38.2
NC-12169-1400-00	741	1700	46	1518	233	34	1492	312	19	1455	394	60	15.0	39.0
NC-12169-1500-00	792	1800	46	1619	248	34	1592	332	19	1553	420	60	16.0	46.0
NC-12169-1600-00	842	2000	42	1719	265	25	1691	358	5	1650	454	60	17.0	58.4
NC-12169-1800-00	939	2200	41	1912	274	24	1882	376	3	1837	481	60	18.8	63.8



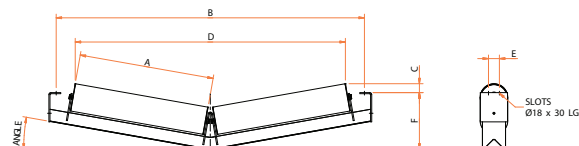
SERIES 15			ROLL DIAMETER 127									BEARING SIZE 6205		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-15169-0600-00	343	850	50	724	189	42	707	230	32	685	273	60	7.8	21.4
NC-15169-0650-00	365	900	50	768	191	41	750	235	31	727	280	60	8.2	22.3
NC-15169-0750-00	419	1000	50	876	195	42	857	243	32	831	294	60	9.2	24.2
NC-15169-0800-00	438	1050	50	913	197	41	894	248	30	868	300	60	9.6	25.1
NC-15169-0900-00	490	1150	50	1017	202	41	997	257	30	969	314	60	10.6	27.0
NC-15169-1000-00	543	1250	50	1123	206	41	1101	265	30	1071	327	60	11.4	28.9
NC-15169-1050-00	563	1300	50	1162	209	40	1140	270	29	1110	334	60	11.8	29.8
NC-15169-1200-00	648	1450	51	1332	215	42	1308	283	31	1274	354	60	13.4	33.0
NC-15169-1350-00	724	1650	49	1483	231	37	1457	308	24	1421	388	60	14.8	30.6
NC-15169-1400-00	741	1700	48	1517	233	36	1491	312	21	1453	394	60	15.2	40.6
NC-15169-1500-00	792	1800	48	1619	248	36	1591	332	21	1552	420	60	16.0	48.2
NC-15169-1600-00	842	2000	44	1718	265	27	1690	358	7	1649	454	60	17.0	58.6
NC-15169-1800-00	939	2200	44	1912	274	26	1881	376	5	1836	481	60	18.8	63.8



SERIES 20			ROLL DIAMETER 152									BEARING SIZE 6205		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-20169-0750-00	422	1000	63	876	195	54	856	243	44	828	294	60	15.0	30.0
NC-20169-0800-00	441	1050	63	914	197	53	893	248	42	864	300	60	15.4	30.9
NC-20169-0900-00	493	1150	63	1018	202	54	995	257	42	965	314	60	17.0	33.4
NC-20169-1000-00	546	1250	63	1123	206	54	1100	265	43	1067	327	60	18.6	38.1
NC-20169-1050-00	566	1300	62	1163	209	53	1139	270	41	1106	334	60	19.2	37.0
NC-20169-1200-00	651	1450	63	1333	215	55	1307	283	43	1270	354	60	21.6	41.2
NC-20169-1350-00	727	1650	61	1484	231	50	1456	308	36	1417	388	60	23.8	48.6
NC-20169-1400-00	744	1700	61	1518	233	49	1490	312	34	1450	394	60	24.4	49.8
NC-20169-1500-00	795	1800	61	1620	248	49	1590	332	33	1548	420	60	25.8	56.0
NC-20169-1600-00	845	2000	56	1719	265	40	1689	358	20	1645	454	60	27.2	68.8
NC-20169-1800-00	942	2200	56	1912	274	39	1880	376	18	1832	481	60	30.2	75.2

2 Roll Plain and Disc Vee Return

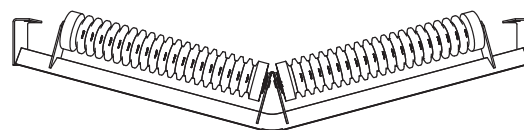
SERIES 25			ROLL DIAMETER 127									BEARING SIZE 6305			
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs		
			C	D	F	C	D	F	C	D	F		R.P	TOTAL	
NC-25169-1200-00	648	1450	51	1332	215	42	1308	283	31	1274	354	60	13.6	33.4	
NC-25169-1350-00	724	1650	49	1483	231	37	1457	308	24	1421	388	60	15.0	41.8	
NC-25169-1400-00	741	1700	48	1517	233	36	1491	312	21	1454	394	60	15.4	42.6	
NC-25169-1500-00	792	1800	48	1619	248	36	1591	332	21	1552	420	60	16.4	48.4	
NC-25169-1600-00	842	2000	44	1718	265	27	1690	358	7	1649	454	60	17.2	60.8	
NC-25169-1800-00	939	2200	44	1912	274	26	1881	376	5	1836	481	60	19.0	66.4	
NC-25169-2000-00	1044	2400	44	2121	301	27	2088	411	6	2039	526	60	21.0	84.3	
NC-25169-2200-00	1144	2600	44	2320	309	27	2285	429	5	2232	553	60	22.8	90.8	
NC-25169-2400-00	1244	2800	44	2519	318	26	2482	446	4	2425	580	60	24.6	97.2	
NC-25169-2500-00	1303	2900	44	2637	342	28	2598	475	6	2539	613	60	25.6	125.6	



SERIES 30			ROLL DIAMETER 152									BEARING SIZE 6305		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-30169-1200-00	651	1450	63	1333	215	55	1307	283	43	1270	354	60	21.8	43.0
NC-30169-1350-00	727	1650	61	1484	231	50	1456	308	36	1417	388	60	24.0	50.8
NC-30169-1400-00	744	1700	61	1518	233	49	1490	312	34	1450	394	60	24.6	51.8
NC-30169-1500-00	795	1800	61	1620	248	49	1590	332	33	1548	420	60	26.0	58.0
NC-30169-1600-00	845	2000	56	1719	265	40	1689	358	20	1645	454	60	27.6	71.2
NC-30169-1800-00	942	2200	56	1912	274	39	1880	376	18	1832	481	60	30.4	80.0
NC-30169-2000-00	1047	2400	56	2121	301	40	2086	411	18	2035	526	60	33.4	96.9
NC-30169-2200-00	1147	2600	56	2320	309	39	2283	429	17	2228	553	60	36.4	104.4
NC-30169-2400-00	1247	2800	56	2519	318	39	2480	446	16	2422	580	60	39.2	112.0
NC-30169-2500-00	1306	2900	57	2637	342	40	2597	475	18	2536	613	60	41.0	140.8

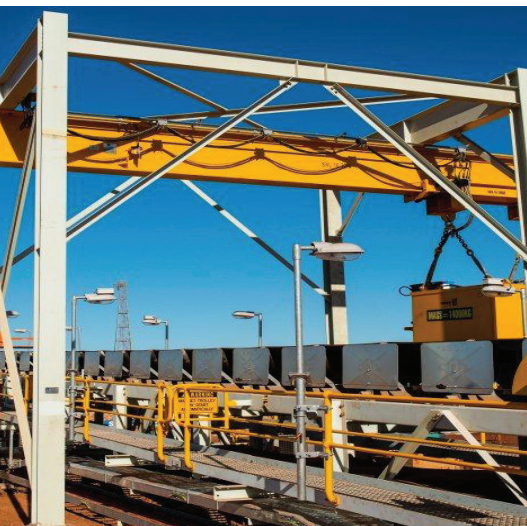


SERIES 15			ROLL DIAMETER 127									DISC BEARING SIZE 6205		
CODE NUMBER	A	B	5°			10°			15°			E	MASS kgs	
			C	D	F	C	D	F	C	D	F		R.P	TOTAL
NC-15170-0900-00	490	1150	48	977	202	37	957	257	28	930	314	60	14.2	30.6
NC-15170-1000-00	543	1250	49	1083	206	38	1062	265	28	1032	327	60	14.8	32.3
NC-15170-1050-00	563	1300	48	1123	209	37	1101	270	27	1071	334	60	15.2	33.0
NC-15170-1200-00	648	1450	49	1292	215	38	1268	283	29	1235	354	60	17.2	36.6
NC-15170-1350-00	724	1650	47	1443	231	34	1418	308	22	1382	388	60	18.2	43.0
NC-15170-1400-00	741	1700	46	1477	233	33	1452	312	19	1415	394	60	18.4	47.1
NC-15170-1500-00	792	1800	42	1579	248	33	1552	332	19	1513	420	60	20.0	50.0
NC-15170-1600-00	842	2000	42	1678	265	24	1650	358	5	1610	454	60	20.8	62.2
NC-15170-1800-00	939	2200	42	1872	274	23	1842	376	4	1797	481	60	22.8	68.0



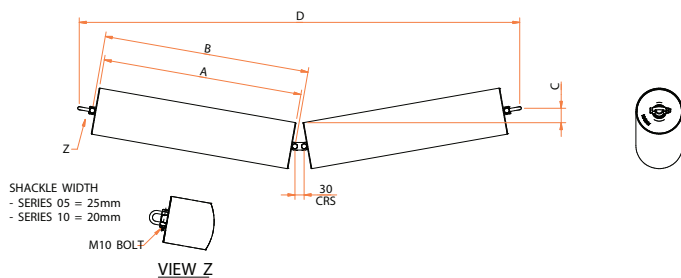
Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.



2 Roll Plain Suspended Vee Return

2 Roll Plain Suspended Vee Return

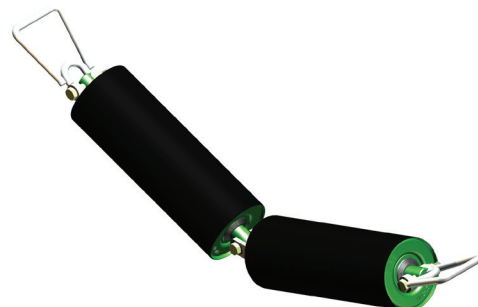


Series	5	10	11	12	15	20	25	30
Shackle Width	25	20	20	20	25	25	25	25
CRS	30	30	30	30	30	30	30	30
Bolt Size	M10	M10	M10	M10	M10	M10	M10	M10

SERIES 05		ROLL DIAMETER 114				BEARING SIZE 6205		
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-05178-0600-00	342	364	15	50	830	816	6.6	10.9
NC-05178-0650-00	364	386	19	56	873	858	7.0	11.5
NC-05178-0750-00	418	440	29	70	979	962	7.8	12.9
NC-05178-0800-00	437	459	32	75	1017	999	8.2	13.3
NC-05178-0900-00	489	511	41	88	1119	1100	9.0	14.7
NC-05178-1000-00	542	564	50	102	1224	1202	9.8	15.9
NC-05178-1050-00	562	584	54	107	1263	1241	10.2	16.5
NC-05178-1200-00	647	669	68	129	1430	1405	11.6	18.5
NC-05178-1350-00	723	745	81	149	1580	1552	12.8	20.5
NC-05178-1400-00	740	762	84	153	1614	1585	13.0	20.9
NC-05178-1500-00	791	813	93	167	1714	1683	13.8	22.3
NC-05178-1600-00	841	863	102	179	1813	1780	14.6	23.5
NC-05178-1800-00	938	960	119	205	2004	1967	16.2	25.9

SERIES 11		ROLL DIAMETER 114				BEARING SIZE 6204		
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-11178-0600-00	341	364	16	51	840	824	6.6	9.8
NC-11178-0650-00	363	386	20	57	883	866	7.0	10.2
NC-11178-0750-00	417	440	29	71	989	971	7.8	11.4
NC-11178-0800-00	436	459	33	76	1027	1008	8.2	11.8
NC-11178-0900-00	488	511	42	89	1129	1108	9.0	13.0
NC-11178-1000-00	541	564	51	103	1233	1210	9.8	14.2
NC-11178-1050-00	561	584	54	108	1273	1249	10.2	14.6
NC-11178-1200-00	646	669	69	130	1440	1413	11.4	17.2
NC-11178-1350-00	722	745	82	150	1590	1560	12.6	19.0
NC-11178-1400-00	739	762	85	154	1623	1593	13.0	19.4
NC-11178-1500-00	790	813	94	168	1724	1691	13.8	20.6
NC-11178-1600-00	840	863	103	181	1823	1788	14.6	21.8
NC-11178-1800-00	937	960	120	206	2013	1975	16.0	26.0

SERIES 10		ROLL DIAMETER 102				BEARING SIZE 6204		
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-10178-0600-00	338	364	22	58	840	824	5.0	8.2
NC-10178-0650-00	360	386	26	63	883	866	5.4	8.6
NC-10178-0750-00	414	440	35	77	989	971	6.0	9.6
NC-10178-0800-00	433	459	39	82	1027	1008	6.2	10.0
NC-10178-0900-00	485	511	48	96	1129	1108	6.8	10.8
NC-10178-1000-00	538	564	57	109	1233	1210	7.6	11.8
NC-10178-1050-00	558	584	60	115	1273	1249	7.8	12.2
NC-10178-1200-00	643	669	75	137	1440	1413	8.8	13.8
NC-10178-1350-00	719	745	88	156	1590	1560	9.8	16.0
NC-10178-1400-00	736	762	91	161	1623	1593	10.0	16.4
NC-10178-1500-00	787	813	100	174	1724	1691	10.6	17.4
NC-10178-1600-00	837	863	109	187	1823	1788	11.2	18.4
NC-10178-1800-00	934	960	126	212	2013	1975	12.4	22.2

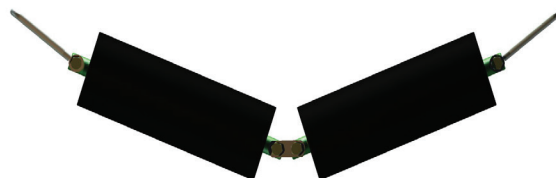


Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

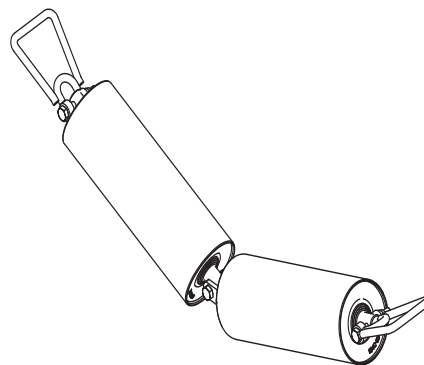
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

2 Roll Plain Suspended Vee Return

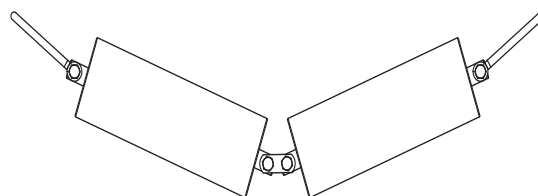
SERIES 12		ROLL DIAMETER 127				BEARING SIZE 6204		
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-12178-0600-00	343	364	10	45	840	824	7.8	10.8
NC-12178-0650-00	365	386	13	50	883	866	8.2	11.4
NC-12178-0750-00	419	440	23	64	989	971	9.2	12.8
NC-12178-0800-00	438	459	26	69	1027	1008	9.6	13.2
NC-12178-0900-00	490	511	35	83	1129	1108	10.4	14.4
NC-12178-1000-00	543	564	44	96	1233	1210	11.4	15.8
NC-12178-1050-00	563	584	48	102	1273	1249	11.8	16.2
NC-12178-1200-00	648	669	63	124	1440	1413	13.4	19.2
NC-12178-1350-00	724	745	76	143	1590	1560	14.8	21.2
NC-12178-1400-00	741	762	79	148	1623	1593	15.0	21.6
NC-12178-1500-00	792	813	88	161	1724	1691	16.0	22.8
NC-12178-1600-00	842	863	96	174	1823	1788	17.0	25.8
NC-12178-1800-00	939	960	113	199	2013	1975	18.8	28.6



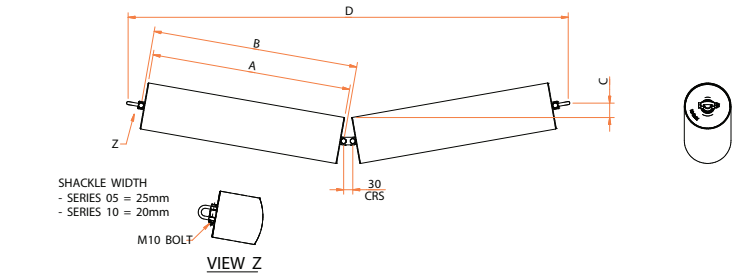
SERIES 15		ROLL DIAMETER 127				BEARING SIZE 6205		
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-15178-0600-00	343	364	9	44	830	816	7.8	12.1
NC-15178-0650-00	365	386	12	49	873	858	8.2	12.7
NC-15178-0750-00	419	440	22	63	979	962	9.2	14.1
NC-15178-0800-00	438	459	25	68	1017	999	9.6	14.7
NC-15178-0900-00	490	511	34	82	1119	1100	10.4	16.1
NC-15178-1000-00	543	564	43	95	1224	1202	11.4	17.5
NC-15178-1050-00	563	584	47	101	1263	1241	11.8	18.1
NC-15178-1200-00	648	669	62	123	1430	1405	13.4	20.5
NC-15178-1350-00	724	745	75	142	1580	1552	14.8	22.5
NC-15178-1400-00	741	762	78	147	1614	1585	15.2	23.1
NC-15178-1500-00	792	813	87	160	1714	1683	16.0	24.5
NC-15178-1600-00	842	863	95	173	1813	1780	17.0	25.9
NC-15178-1800-00	939	960	112	198	2004	1967	18.8	28.5



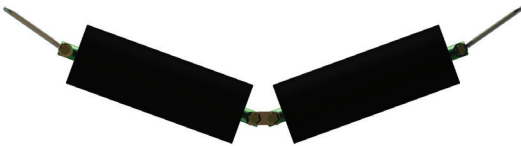
SERIES 20		ROLL DIAMETER 152				BEARING SIZE 6205		
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-20178-0750-00	422	440	9	50	979	962	15.0	19.9
NC-20178-0800-00	441	459	12	55	1017	999	15.4	20.5
NC-20178-0900-00	493	511	21	69	1119	1100	17.0	22.5
NC-20178-1000-00	546	564	31	82	1224	1202	18.6	24.7
NC-20178-1050-00	566	584	34	88	1263	1241	19.2	25.3
NC-20178-1200-00	651	669	49	110	1430	1405	21.6	28.7
NC-20178-1350-00	727	745	62	129	1580	1552	23.8	31.5
NC-20178-1400-00	744	762	65	134	1614	1585	24.4	32.3
NC-20178-1500-00	795	813	74	147	1714	1683	25.8	34.3
NC-20178-1600-00	845	863	83	160	1813	1780	27.2	36.1
NC-20178-1800-00	942	960	99	185	2004	1967	30.2	39.9



2 Roll Plain Suspended Vee Return



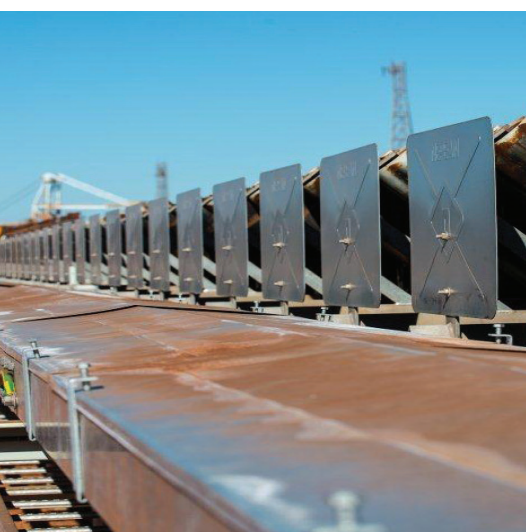
SERIES 25		ROLL DIAMETER 127		BEARING SIZE 6305				
CODE NUMBER	A	B	C		D		MASS kgs	
			10°	15°	10°	15°	R.P	TOTAL
NC-25178-1200-00	648	669	62	123	1430	1405	13.6	20.9
NC-25178-1350-009	724	745	75	142	1580	1552	15.0	24.7
NC-25178-1400-00	741	762	78	147	1614	1585	15.4	25.1
NC-25178-1500-00	792	813	87	160	1714	1683	16.4	26.7
NC-25178-1600-00	842	863	95	173	1813	1780	17.2	28.1
NC-25178-1800-00	939	960	112	198	2004	1967	19.0	31.1
NC-25178-2000-00	1044	1065	130	225	2210	2169	21.0	36.7
NC-25178-2200-00	1144	1165	148	251	2407	2362	22.8	40.1
NC-25178-2400-00	1244	1265	165	277	2604	2555	24.6	43.1
NC-25178-2500-00	1303	1324	175	292	2720	2669	25.6	45.1



SERIES 30		ROLL DIAMETER 152		BEARING SIZE 6305				
CODE NUMBER	A	B	C		D		MASS kgs	
			35°	45°	35°	45°	R.P	TOTAL
NC-30178-1200-00	651	669	49	110	1430	1405	21.8	29.1
NC-30178-1350-00	727	745	62	129	1580	1552	24.0	33.7
NC-30178-1400-00	744	762	65	134	1614	1585	24.6	34.3
NC-30178-1500-00	795	813	74	147	1714	1683	26.0	36.3
NC-30178-1600-00	845	863	83	160	1813	1780	27.6	38.5
NC-30178-1800-00	942	960	100	185	2004	1967	30.4	42.3
NC-30178-2000-00	1047	1065	118	212	2210	2169	33.4	49.3
NC-30178-2200-00	1147	1165	135	238	2407	2362	36.4	53.5
NC-30178-2400-00	1247	1265	152	264	2604	2555	39.2	57.9
NC-30178-2500-00	1306	1324	163	279	2720	2669	41.0	60.3



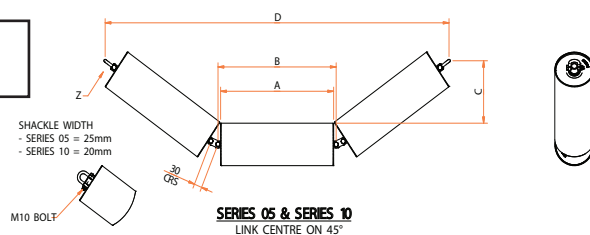
Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°. To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.



3 Roll Suspended Carry and Impact

3 Roll Suspended Carry and Impact

SERIES 05 / SERIES 10
LINK CENTRES ON 45°
TROUGHS ARE 30-45MM



SHACKLE DETAILS

Series	5	10	11	12	15	20	25	30
Shackle width	25	20	20	20	25	25	25	25
CRS @ 35°	30	30	30	30	30	30	30	30
CRS @ 45°	30	30	35	35	35	45	35	45
Bolt Size	M10	M10	M10	M10	M10	M10	M10	M10

SERIES 05		ROLL DIAMETER 114						BEARING SIZE 6205					
CODE NUMBER	A	B	C				D				MASS kgs		
			20°	30°	35°	45°	20°	30°	35°	45°	R.P	TOTAL	
NC-05174-0500-00	190	212	35	78	98	137	748	710	685	636	6.3	10.6	
NC-05174-0600-00	225	247	47	96	118	161	849	806	777	720	7.2	11.8	
NC-05174-0650-00	245	267	54	106	129	175	907	860	829	769	7.8	12.7	
NC-05174-0750-00	279	301	65	123	149	200	1005	954	919	851	8.4	13.9	
NC-05174-0800-00	295	317	71	131	158	211	1051	997	961	889	9.0	14.5	
NC-05174-0900-00	332	354	83	149	179	237	1157	1098	1059	979	9.9	16.0	
NC-05174-1000-00	359	381	93	163	195	256	1235	1172	1130	1044	10.5	16.9	
NC-05174-1050-00	384	406	101	175	209	274	1307	1240	1196	1104	11.1	17.8	
NC-05174-1200-00	437	459	119	202	239	311	1459	1385	1336	1232	12.3	19.9	

SERIES 11		ROLL DIAMETER 114						BEARING SIZE 6204					
CODE NUMBER	A	B	C				D				MASS kgs		
			20°	30°	35°	45°	20°	30°	35°	45°	R/P	TOTAL	
NC-11174-0500-00	189	212	37	80	101	140	758	719	693	643	6.3	9.5	
NC-11174-0600-00	224	247	49	98	121	164	858	814	786	727	7.2	10.7	
NC-11174-0650-00	244	267	56	108	132	178	916	869	838	776	7.5	11.3	
NC-11174-0750-00	278	301	67	125	152	203	1014	962	928	858	8.4	12.5	
NC-11174-0800-00	294	317	73	133	161	214	1060	1006	970	896	8.7	13.1	
NC-11174-0900-00	331	354	85	151	182	240	1167	1107	1068	986	9.6	14.3	
NC-11174-1000-00	358	381	95	165	198	259	1244	1180	1139	1051	10.2	15.8	
NC-11174-1050-00	383	406	103	177	212	277	1316	1249	1205	1111	10.8	16.7	
NC-11174-1200-00	436	459	121	204	242	314	1469	1394	1345	1239	12.3	18.5	

SERIES 10		ROLL DIAMETER 102						BEARING SIZE 6204					
CODE NUMBER	A	B	C				D				MASS kgs		
			20°	30°	35°	45°	20°	30°	35°	45°	R.P.	TOTAL	
NC-10174-0350-00	133	159	25	60	76	108	605	574	554	515	3.9	6.5	
NC-10174-0400-00	151	177	31	69	87	121	657	623	601	558	4.2	7.1	
NC-10174-0450-00	169	195	37	78	97	133	709	672	649	602	4.5	7.4	
NC-10174-0500-00	186	212	43	86	107	146	758	719	693	643	4.8	8.0	
NC-10174-0600-00	221	247	55	104	127	170	858	814	786	727	5.4	8.9	
NC-10174-0650-00	241	267	62	114	138	184	916	869	838	776	5.7	9.5	
NC-10174-0750-00	275	301	73	131	158	209	1014	962	928	858	6.3	10.4	
NC-10174-0800-00	291	317	79	139	167	220	1060	1006	970	896	6.6	11.0	
NC-10174-0900-00	328	354	91	157	188	246	1167	1107	1068	986	7.5	11.9	
NC-10174-1000-00	355	381	101	171	204	265	1244	1180	1139	1051	7.8	12.5	
NC-10174-1050-00	380	406	109	183	218	283	1316	1249	1205	1111	8.4	14.0	
NC-10174-1200-00	433	459	127	210	248	320	1469	1394	1345	1239	9.3	15.5	



Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

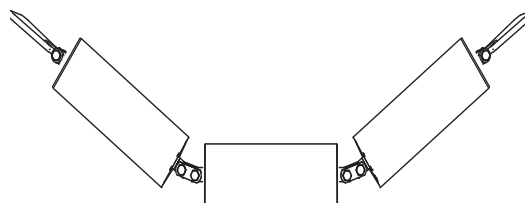
To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.

3 Roll Suspended Carry and Impact

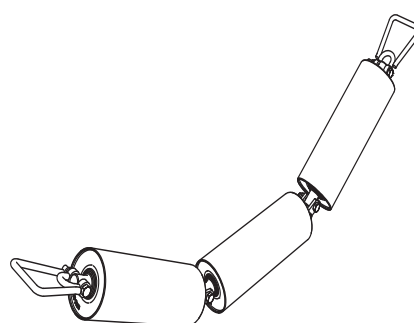
SERIES 12		ROLL DIAMETER 127				BEARING SIZE 6204					
CODE NUMBER	A	B	C				D				MASS kgs
			20°	30°	35°	45°	20°	30°	35°	45°	
NC-12174-0500-00	191	212	31	74	95	134	758	719	693	643	10.7
NC-12174-0600-00	226	247	43	92	115	158	858	814	786	727	11.9
NC-12174-0650-00	246	267	50	102	126	172	916	869	838	776	12.8
NC-12174-0750-00	280	301	61	119	146	197	1014	962	928	858	14.0
NC-12174-0800-00	296	317	67	127	155	208	1060	1006	970	896	14.6
NC-12174-0900-00	333	354	79	145	176	234	1167	1107	1068	986	15.8
NC-12174-1000-00	360	381	89	159	192	253	1244	1180	1139	1051	17.6
NC-12174-1050-00	385	406	97	171	206	271	1316	1249	1205	1111	18.5
NC-12174-1200-00	438	459	115	198	236	308	1469	1394	1345	1239	20.6



SERIES 15		ROLL DIAMETER 127				BEARING SIZE 6205					
CODE NUMBER	A	B	C				D				MASS kgs
			20°	30°	35°	45°	20°	30°	35°	45°	
NC-15174-0500-00	191	212	29	71	92	131	748	710	685	636	11.8
NC-15174-0600-00	226	247	41	89	112	155	849	806	777	720	13.3
NC-15174-0650-00	246	267	48	99	123	169	907	860	829	769	13.9
NC-15174-0750-00	280	301	59	116	143	194	1005	954	919	851	15.4
NC-15174-0800-00	296	317	65	124	152	205	1051	997	961	889	16.0
NC-15174-0900-00	333	354	77	142	173	231	1157	1098	1059	979	17.5
NC-15174-1000-00	360	381	87	156	189	250	1235	1172	1130	1044	18.7
NC-15174-1050-00	385	406	95	168	203	268	1307	1240	1196	1104	19.9
NC-15174-1200-00	438	459	113	195	233	305	1459	1385	1336	1232	22.0
NC-15174-1350-00	490	511	131	221	263	341	1609	1527	1474	1358	24.1
NC-15174-1400-00	496	517	133	224	266	345	1627	1543	1490	1372	24.4
NC-15174-1500-00	543	564	149	247	293	378	1762	1672	1614	1486	26.2
NC-15174-1600-00	563	584	156	257	305	392	1820	1726	1667	1534	27.1
NC-15174-1800-00	627	648	178	289	341	438	2004	1901	1836	1688	29.8



SERIES 20		ROLL DIAMETER 152				BEARING SIZE 6205					
CODE NUMBER	A	B	C				D				MASS kgs
			20°	30°	35°	45°	20°	30°	35°	45°	
NC-20174-0500-00	194	212	16	59	79	123	748	710	685	654	16.6
NC-20174-0600-00	229	247	28	77	99	147	849	806	777	738	18.7
NC-20174-0650-00	249	267	35	87	110	161	907	860	829	787	19.9
NC-20174-0750-00	283	301	46	104	130	186	1005	954	919	869	21.7
NC-20174-0800-00	299	317	52	112	139	197	1051	997	961	907	22.6
NC-20174-0900-00	336	354	64	130	160	223	1157	1098	1059	997	24.7
NC-20174-1000-00	363	381	74	144	176	242	1235	1172	1130	1062	26.2
NC-20174-1050-00	388	406	82	156	190	260	1307	1240	1196	1122	27.7
NC-20174-1200-00	441	459	100	183	220	297	1459	1385	1336	1250	30.7
NC-20174-1350-00	493	511	119	209	250	333	1609	1527	1474	1376	33.7
NC-20174-1400-00	499	517	121	212	254	337	1627	1543	1490	1390	34.3
NC-20174-1500-00	546	564	137	235	281	370	1762	1672	1614	1504	36.9
NC-20174-1600-00	566	584	144	245	292	384	1820	1726	1667	1552	37.9
NC-20174-1800-00	630	648	166	277	329	430	2004	1901	1836	1706	43.9



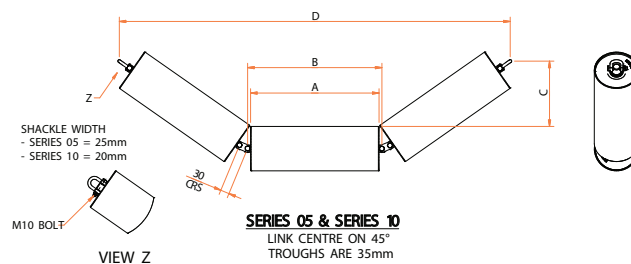
3 Roll Suspended Carry and Impact

SERIES 25		ROLL DIAMETER 127				BEARING SIZE 6305					
CODE NUMBER	A	B	C				D				MASS kgs
			20°	30°	35°	45°	20°	30°	35°	45°	
NC-25174-0750-00	280	301	59	116	143	194	1005	954	919	851	16.0
NC-25174-0800-00	296	317	65	124	152	205	1051	997	961	889	16.6
NC-25174-0900-00	333	354	77	142	173	231	1157	1098	1059	979	18.1
NC-25174-1000-00	360	381	87	156	189	250	1235	1172	1130	1044	19.3
NC-25174-1050-00	385	406	95	168	203	268	1307	1240	1196	1104	20.5
NC-25174-1200-00	438	459	113	195	233	305	1459	1385	1336	1232	24.1
NC-25174-1350-00	490	511	131	221	263	341	1609	1527	1474	1358	26.5
NC-25174-1400-00	496	517	133	224	266	345	1627	1543	1490	1372	26.8
NC-25174-1500-00	543	564	149	247	293	378	1762	1672	1614	1486	28.9
NC-25174-1600-00	563	584	156	257	305	392	1820	1726	1667	1534	29.8
NC-25174-1800-00	627	648	178	289	341	438	2004	1901	1836	1688	34.9



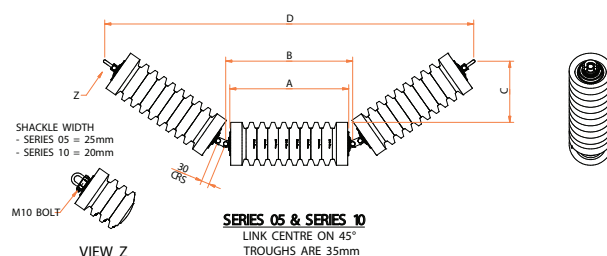
SERIES 30		ROLL DIAMETER 152				BEARING SIZE 6305					
CODE NUMBER	A	B	C				D				MASS kgs
			20°	30°	35°	45°	20°	30°	35°	45°	
NC-30174-0750-00	283	301	46	104	130	186	1005	954	919	889	22.3
NC-30174-0800-00	299	317	52	112	139	197	1051	997	961	907	23.2
NC-30174-0900-00	336	354	64	130	160	223	1157	1098	1059	997	25.3
NC-30174-1000-00	363	381	74	144	176	242	1235	1172	1130	1062	26.8
NC-30174-1050-00	388	406	82	156	190	260	1307	1240	1196	1122	29.8
NC-30174-1200-00	441	459	100	183	220	297	1459	1385	1336	1250	33.1
NC-30174-1350-00	493	511	119	209	250	333	1609	1527	1474	1376	36.1
NC-30174-1400-00	499	517	121	212	254	337	1627	1543	1490	1390	36.4
NC-30174-1500-00	548	564	137	235	281	370	1762	1672	1614	1504	41.5
NC-30174-1600-00	566	584	144	245	292	384	1820	1726	1667	1552	42.7
NC-30174-1800-00	630	648	166	277	329	430	2004	1901	1836	1706	46.9

SERIES 05 / SERIES 10
LINK CENTRES ON 45°
TROUGHS ARE 35MM



SERIES 15		ROLL DIAMETER 133 IMPACT				BEARING SIZE 6205					
CODE NUMBER	A	B	C				D				MASS kgs
			20°	30°	35°	45°	20°	30°	35°	45°	
NC-15175-0350-00	134	159	8	42	58	89	595	565	545	508	11.5
NC-15175-0400-00	152	177	14	51	68	102	648	614	593	551	12.1
NC-15175-0450-00	170	195	20	60	78	114	699	664	640	595	13.3
NC-15175-0500-00	187	212	26	68	89	128	748	710	685	636	14.8
NC-15175-0600-00	222	247	38	86	109	152	849	806	777	720	16.6
NC-15175-0650-00	242	267	45	96	120	166	907	860	829	769	18.1
NC-15175-0750-00	276	301	56	113	140	191	1005	954	919	851	20.5
NC-15175-0800-00	292	317	62	121	149	202	1051	997	961	889	21.1
NC-15175-0900-00	329	354	74	139	170	228	1157	1098	1059	979	23.8
NC-15175-1000-00	356	381	84	153	186	247	1235	1172	1130	1044	25.3
NC-15175-1050-00	381	406	92	165	200	265	1307	1240	1196	1104	27.1
NC-15175-1200-00	434	459	110	192	230	302	1459	1385	1336	1232	30.7
NC-15175-1350-00	486	511	128	218	260	338	1609	1527	1474	1358	34.0
NC-15175-1400-00	492	517	130	221	263	342	1627	1543	1490	1372	34.3
NC-15175-1500-00	539	564	146	244	290	375	1762	1672	1614	1486	37.3
NC-15175-1600-00	559	584	153	254	302	389	1820	1726	1667	1534	38.5
NC-15175-1800-00	623	648	175	286	338	435	2004	1901	1836	1688	43.0

SERIES 15
LINK CENTRES ON 45°
TROUGHS ARE 35MM



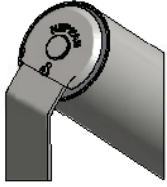
Note: "R.P" is an abbreviation for Rotating Parts. "00" - Insert required Troughing Angle: 20°, 30°, 35° or 45°.

To ensure correct product selection or to enable NEPEAN® Conveyors to select the correct product, please refer to www.nepeanconveyors.com for a submission sheet.



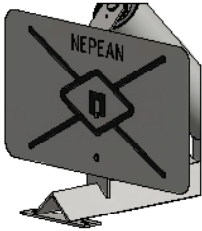
Accessories

Accessories

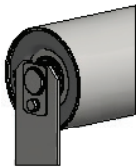


STONE GUARDS

- Protects from rock impacts.
- Protects seals during wash down.
- Available in Galvabond.
- Acts as roll retainer.

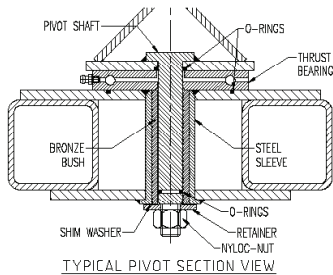


WIND GUARDS



ROLL RETAINERS

- Retainer plates available for all series.
- Prevents rolls from dislodging in a severe structural vibration environment.
- No special tools required.
- Positively locks the roll onto the frame.

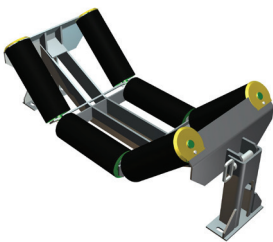


ROBUST TRAINER

Available in all series, troughing angles and belt widths.

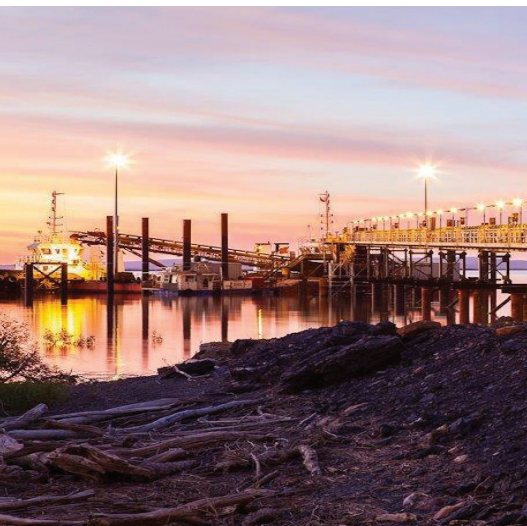
FEATURES:

- In-line pivot for increased sensitivity.
- Robust anti-friction bearing pivot assembly.



DROP DOWN IDLER

Rollers can be easily changed over, in an impact area. The idler frame can be readily lowered for access purposes using a standard auto jack to enable roller replacement.



Weigh Idlers



Weigh Idlers

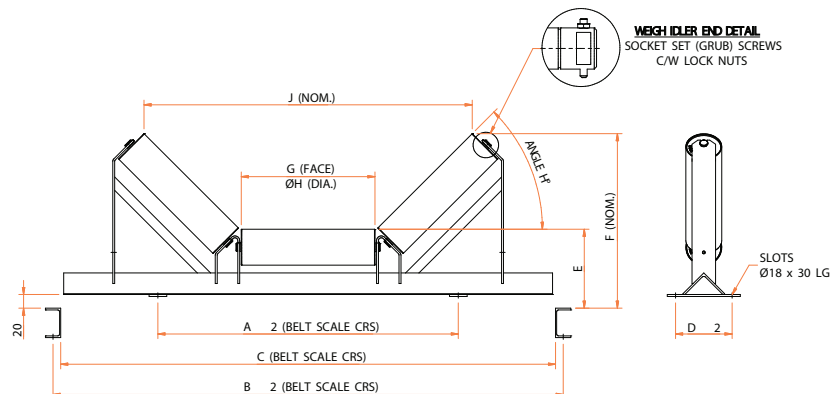
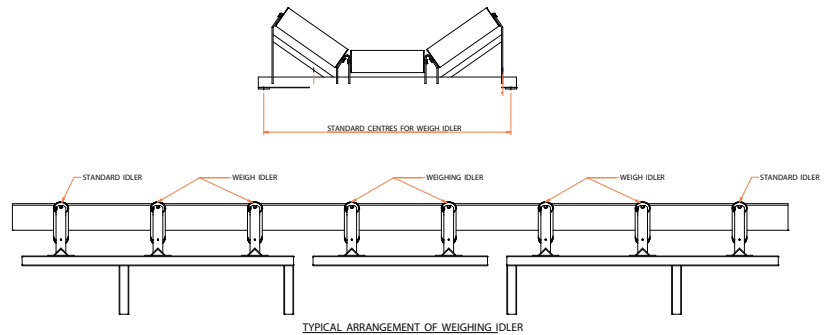
WEIGH IDLER SPECIFICATION

LEAD ON/OFF BELT SCALE

IDLER SERIES: _____

BELT WIDTH: _____

IN-LINE/OFFSET: _____



WEIGHER IDLERS

These idlers are utilised as lead-in and lead-out assemblies to the belt weigh station. The roll shells are machined to fine tolerances on T.I.R. and MIS. These roll and bases are manufactured to suit the most stringent weigher requirements.

The roller shells are machined to fine tolerances and are dynamically balanced. The rolls are provided with adjusting screws at the shaft ends, to enable site adjustment of the profile. Available in all series and trough angles.

DIMENSIONS	"LEAD ON/OFF" IDLER	"BELT-SCALE" IDLER
'A' MOUNTING HOLE CENTRES	NOT APPLICABLE	
'B' MOUNTING HOLE CENTRES		NOT APPLICABLE
'C' MOUNTING HOLE CENTRES		
'D' INSIDE STRINGERS	NOT APPLICABLE	
'E' ROLLING HEIGHT		
'F' ROLLER FACE		
'G' ROLLER DIAMETER		
'H' TROUGHING ANGLE		
'J' ROLLER PROFILE WIDTH		
'K' ROLLER PROFILE HEIGHT		
IF 'NEPEAN STANDARD' REQUIRED - PLEASE INDICATE		

Is this weigh station to suit an existing conveyor (yes/no)?: _____

If yes, please provide the part no. of the existing trough idler: _____

Standard balancing and machining of rollers (0.014 Nm & 0.19 mm T.I.R)

(yes/no)?: _____

If no, provide details: _____ Nm _____ mm T.I.R.

'NEPEAN® Conveyor standard' broaching on rolls (yes/no)?: _____

If no, please provide details: _____ A/F _____ mm width

Special remarks _____



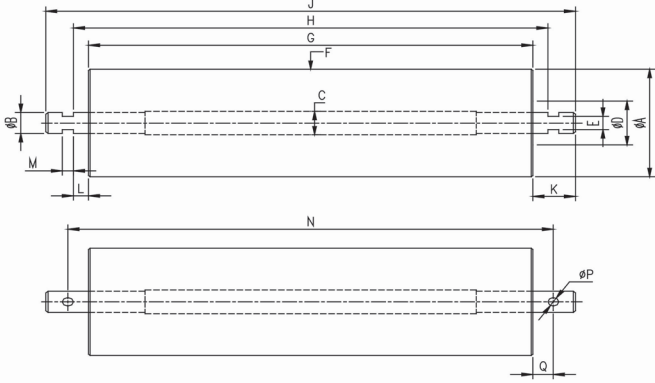
Ordering Information

NEED SPECIAL REPLACEMENT ROLLS?

Whilst the majority of conveyor idler requirements can be supplied from the substantial standard product range shown in our catalogue, we recognise that there may be instances where special rolls are required.

We provide a special roll replacement service to suit most applications and general conveyor upgrades using our unique “GREASED FOR LIFE” multi-labyrinth bearing sealing arrangement.

EXAMPLE: Select the relevant roll configuration shown on page 60 and complete the dimensions shown, along with the bearing size and attach the copy to your formal enquiry. Send your enquiry to the nearest NEPEAN® Conveyors office for competitive price and delivery details. For your submission sheet go to our website: www.nepeanconveyors.com.



Technical drawing of a conveyor roller with dimensions labeled A through Q. The drawing shows a side view and a top view of the roller assembly.

Customer Information

Client:

Address:

Dim. A - Roller Diameter (mm):					
Dim. B - Shaft Diameter (mm):					
Dim. C - Shaft Dia. Between Bearings (mm):					
Dim. D - Bearing OD (mm):					
Dim. E - Thickness Across Flats (mm):					
Dim. F - Wall Thickness (mm):					
Dim. G - Roller Face Width (mm):					
Dim. H - Slot - Back to Back (mm):					
Dim. J - Overall Shaft Length (mm):					
Dim. K - Shaft Protrusion (mm):					
Dim. L - Slot Protrusion (mm):		Mass of Rotary Parts (kg):	Total Mass (kg):	Bearing Designation:	Bearing Dynamic Rating (kg):
Dim. M - Slot Width (mm):					
Dim. N - Hole Centres (mm):					
Dim. P - Hole Diameter (mm):					
Dim. Q - Hole Protrusion (mm):					

Refer to page 60





NEPEAN[®]

Conveyors Idler Selection Data Sheet

NEPEAN® Conveyors Idler Selection

Data Sheet (REFER TO WWW.NEPEANCONVEYORS.COM FOR YOUR SUBMISSION SHEET)

Client: _____

Project: _____

Quote No: _____

Date: _____

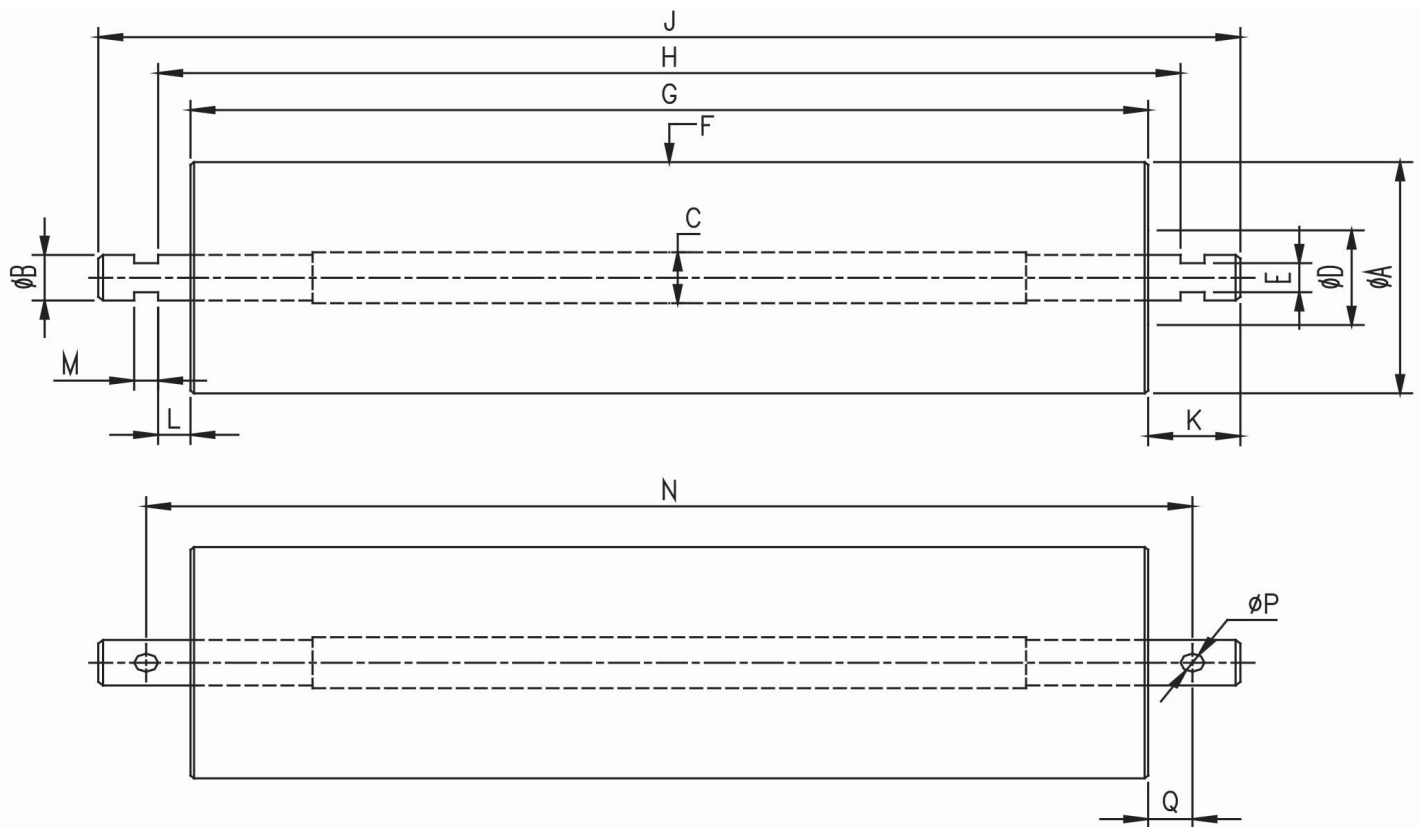
Prepared By: _____

Data Variables	Units	Conv. No.	Conv. No.	Conv. No.
Belt width	mm			
Belt speed	m/s			
Belt type				
Belt mass	kg/m			
Material type				
Bulk density	kg/m ³			
Lump size	mm			
Design capacity	tph			
L ₁₀ life	hours			
Free fall height	m			
Surcharge angle	(°) deg			
Trough angle	(°) deg			
Idler spacing				
Trough	mm			
Return	mm			
Impact	mm			
Running belt tension				
T1 (Carry)	kN			
T2 (Return)	kN			
Belt deviation				
Carry side	mm			
Return side	mm			
Convex curve radius	m			
Nominal roller size	mm			
Trough OD	mm			
Impact OD	mm			
Transition (5°/20°) OD	mm			
Transition (15°/30°) OD	mm			
Flat carry OD	mm			
Flat return OD	mm			
Vee return (rolls only) OD	mm			
Return trainer OD	mm			

Loadings Required:	YES	NO
1) Convex curve considered		
2) Flooded belt considered		
3) Deviation load considered		
4) Assumptions if needed		

CHECKED BY: _____

MINIMUM INFORMATION REQUIRED
FOR NEPEAN® CONVEYORS DESIGN
REFER TO WWW.NEPEANCONVEYORS.COM
FOR YOUR SUBMISSION SHEET

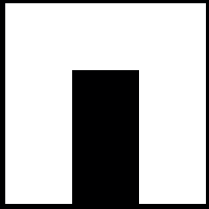


Customer Information

Client:

Address:

Dim. A - Roller Diameter (mm):		Mass of Rotary Parts (kg): Total Mass (kg): Bearing Designation: Bearing Dynamic Rating (kg):
Dim. B - Shaft Diameter (mm):		
Dim. C - Shaft Dia. Between Bearings (mm):		
Dim. D - Bearing OD (mm):		
Dim. E - Thickness Across Flats (mm):		
Dim. F - Wall Thickness (mm):		
Dim. G - Roller Face Width (mm):		
Dim. H - Slot - Back to Back (mm):		
Dim. J - Overall Shaft Length (mm):		
Dim. K - Shaft Protrusion (mm):		
Dim. L - Slot Protrusion (mm):		
Dim. M - Slot Width (mm):		
Dim. N - Hole Centres (mm):		
Dim. P - Hole Diameter (mm):		
Dim. Q - Hole Protrusion (mm):		



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NEPEAN® Conveyors operates the most advanced, high-tech idler production facility in Australia, we offer complete conveyor system solutions and support services to the mining and resource industries.

NEPEAN® Conveyors internally developed industry leading software and extensive manufacturing capabilities have allowed us to provide an extensive portfolio of products and services to independently deliver unique, high quality results. NEPEAN® Conveyors offers a one stop conveyor solution.

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