



Trainweigh - Rail Weighing Specialists

Weighbridge Services Ltd is a family run business based in Sheffield, UK. With over 40 years experience of designing, building and installing both road and rail weighing equipment, our team of engineers cover almost every aspect of the weighing industry.

Our Trainweigh brand of products, offered solely by Weighbridge Services Ltd, offer a vast range of rail weighing solutions. Over the past 10 years our product range has benefited profoundly from increased R & D budgets, a stronger supply chain and the increased expertise of our workforce by bringing in experienced engineers from other parts of the rail weighing industry.

The Trainweigh range is designed for application into any rail infrastructure from factory installed weighers and testing systems to out-in-the-field weighing and data collection services.

We are now positioned as one of the leading train weighing specialists and can supply a vast range of products worldwide, both off-the-shelf and bespoke manufactured.

We look forward to hopefully working with yourselves.

Regards,

The Trainweigh Department

OUR AFFILIATIONS





AX SERIES

AX300 SERIES
STATIC WEIGHING SYSTEM

WHEEL FORCE MEASURING SYSTEM

Its used for determining the forces of the railcar wheels and translating them in to a digital signal for detailed data analysis. This process should always be used for performing various world standard guidance tests which are related to the manufacturing or maintenance of rail vehicles.

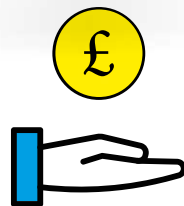
Although depot test tracks are supposed to be level and calibrated, it is often not the case and that errors do exist. It is essential that a rail car is tested with a rail track adheres to the relevant test guidelines. Please note, on examination we have found an incredible 92% of rail tracks do not meet the test criteria as stipulated in the EN15654 example.

A single axle AX300 should only be used if the rail track is level and within the tolerances as set out in the test standards that are to be used.

The AX-Series scale will give an axle measurement with an accuracy of 1-3%.

Some of the test which the AX-Series conforms to:-

DIN EN 15654
DIN 27201
EN 14363
DIN EN 50215
UIC V660



WHY WEIGH A TRAIN?

Weighing up the benefits

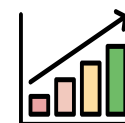
Regular weighing can provide vital, readily available information on various components making maintenance and testing more cost effective for any type of rail depot.



IMPROVE COMPONENT LIFESPAN



CONFORM TO REQUIRED DIN/EN STANDARDS



INCREASE EFFICIENCY



REDUCE WHEEL WEAR



REDUCE MAINTENANCE INTERVALS

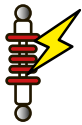
Regular weighing reduces the risk of safety issues by immediately highlighting areas of concern when using the AX Series' fail-safe software system.

Our built-in safety systems notify the operator the instant that any discrepancies, based on your pre-set requirements, are logged.

Multiple plug-ins can be activated to provide a various amount of warning systems to cover many safety concerns faced by rail companies.



WHAT ARE THE SAFETY BENEFITS?



IDENTIFY BROKEN SUSPENSION



REDUCE RISK OF DERAILMENT

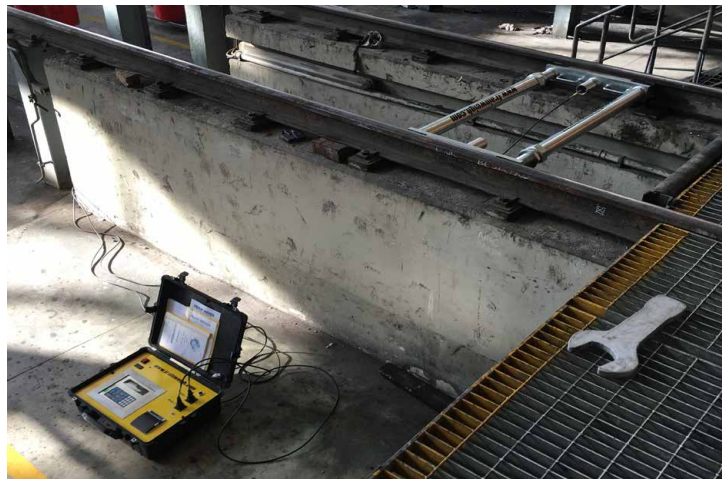


REDUCE BRAKE WEAR



INSTANT ALERTS WHEN ISSUES ARE FOUND IN ANY SPECIFIED AREAS



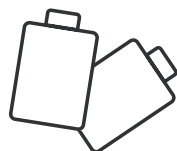


AX300 WIRED SYSTEM

1 x AX Series bases (2 wheel weighing)

1 x Portable, battery operated weight terminal with integrated thermal printer, ethernet port and USB data port.

2 x 7m Weight Terminal Armoured cable



The unit has built in rechargeable batteries for up to 10 hours use between charges.



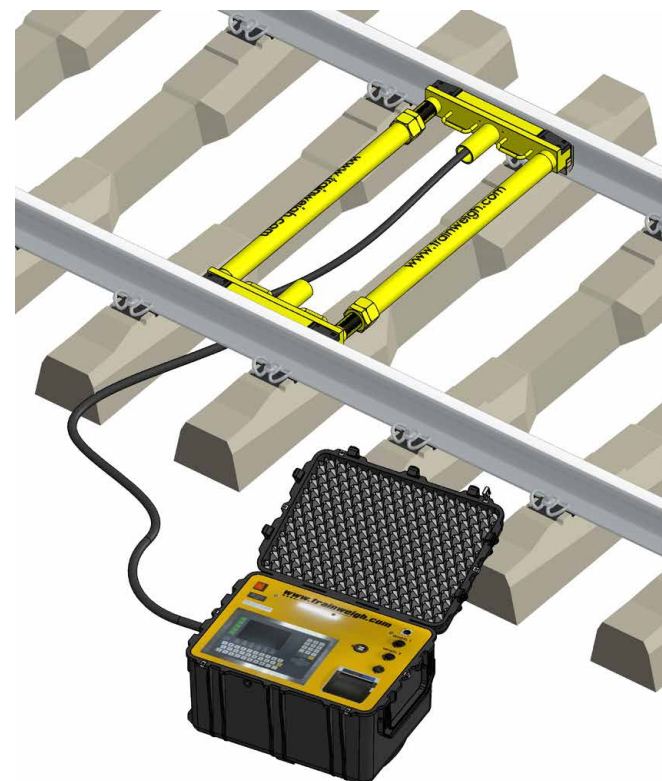
IP controlled Ethernet connection built into the terminal



Thermal tally roll printer built into the terminal



IP67 Protected Enclosure





AX300 WIRELESS SYSTEM



- 1 x AX Series bases (2 wheel weighing)
- 2 x Wireless transceivers (one on each body)
- 4 x 'AA' Batteries
- 1 x USB connected wireless receiver for the PC
- 1 x Laptop or PC with connected software package



Up to 300m wireless range with 16 selectable wireless channels to avoid radio interference



Uses 2 'AA' Batteries in each module and can be easily replaced when required



IP67 Protected Enclosure



Smart battery technology is built in as standard. This includes an auto sleep mode, placing the scale in an exceptionally low power consumption mode, allowing the best performance from your system.



AX SERIES SOFTWARE PACKAGE

The screenshot displays the Trainweigh software interface, which is used for rail weighing. It is divided into several functional areas:

- Sign In:** A panel on the top left with fields for 'User Name' and 'Password', and a 'Sign In' button.
- Train Weighing:** The central dashboard showing a 'Train Weighing' window with a dropdown menu set to 'AX300'. It features a grid of 12 individual wheel weight displays, each showing a percentage (e.g., 60.02%) and a weight value (e.g., 6004 Kg). Below this is a schematic diagram of a rail wagon with weights of 10004, 10004, and 8000. A 'Train Total' of 20008 Kg is displayed at the bottom.
- Navigation:** A vertical sidebar on the right contains buttons for 'Activate', 'Sleep All', 'Start Train', 'Weigh Wagon', 'Finish Train', and 'Zero'. A status indicator at the bottom right shows 'Unit FD9EDF connected'.
- Reference and Operational Panels:** Located at the top right, these panels contain icons for system management and operational controls.
- Load Information:** A table on the bottom left lists train details. The table has columns for 'Train Number', 'Train No', 'Train Destination', and 'Number'. The data includes various train numbers and destinations like 'TEESPORT SERVICES' and 'MIDDLEBROUGH GOODS YARD'.

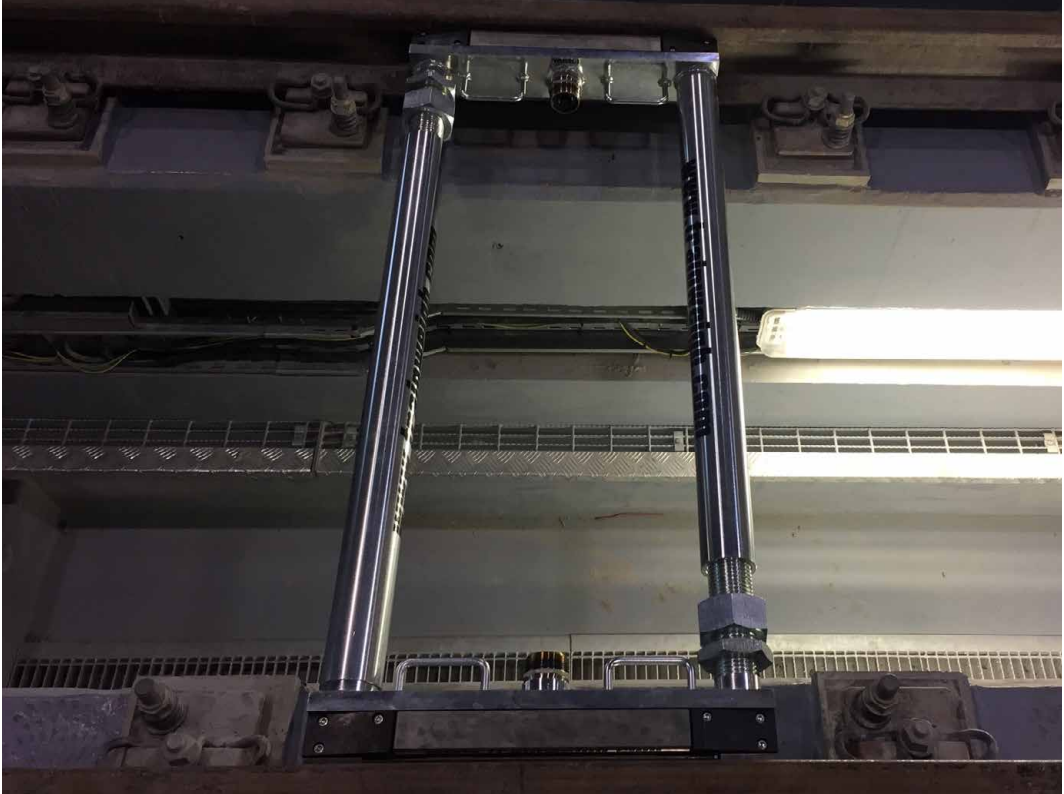
Train Number	Train No	Train Destination	Number
411	15146	TEESPORT SERVICES	F12
412	15146	MIDDLEBROUGH GOODS YARD	F12
413	15151	MIDDLEBROUGH GOODS YARD	F16
414	20002	MIDDLEBROUGH GOODS YARD	F16
415	20001	TEESPORT SERVICES	F12
416	05089	MIDDLEBROUGH GOODS YARD	F12
417	72206	TEESPORT SERVICES	F16
418	72207	TEESPORT SERVICES	F16
419	72208	TEESPORT SERVICES	F16
420	72209	TEESPORT SERVICES	F12
421	72210	TEESPORT SERVICES	F12
422	72211	TEESPORT SERVICES	F16
423	72212	TEESPORT SERVICES	F16
424	72213	TEESPORT SERVICES	F16
425	72214	TEESPORT SERVICES	F16
426	72215	TEESPORT SERVICES	F16
427	72216	TEESPORT SERVICES	F16
428	72217	TEESPORT SERVICES	F16
429	72218	TEESPORT SERVICES	F16
430	72219	TEESPORT SERVICES	F12
431	72220	TEESPORT SERVICES	F16
432	72221	TEESPORT SERVICES	F16
433	72222	TEESPORT SERVICES	F16
434	72223	TEESPORT SERVICES	F16
435	72224	TEESPORT SERVICES	F16
436	72225	TEESPORT SERVICES	F16
437	72226	TEESPORT SERVICES	F16
438	72227	TEESPORT SERVICES	F16
439	72228	TEESPORT SERVICES	F16
440	72229	TEESPORT SERVICES	F16
441	72230	TEESPORT SERVICES	F16
442	72231	TEESPORT SERVICES	F16
443	72232	TEESPORT SERVICES	F16
444	72233	TEESPORT SERVICES	F16
445	72234	TEESPORT SERVICES	F16
446	72235	TEESPORT SERVICES	F16
447	72236	TEESPORT SERVICES	F16
448	72237	TEESPORT SERVICES	F16
449	72238	TEESPORT SERVICES	F16
450	72239	TEESPORT SERVICES	F16
451	72240	TEESPORT SERVICES	F16
452	72241	TEESPORT SERVICES	F16
453	72242	TEESPORT SERVICES	F16
454	72243	TEESPORT SERVICES	F16
455	72244	TEESPORT SERVICES	F16
456	72245	TEESPORT SERVICES	F16
457	72246	TEESPORT SERVICES	F16
458	72247	TEESPORT SERVICES	F16
459	72248	TEESPORT SERVICES	F16
460	72249	TEESPORT SERVICES	F16
461	72250	TEESPORT SERVICES	F16
462	72251	TEESPORT SERVICES	F16
463	72252	TEESPORT SERVICES	F16
464	72253	TEESPORT SERVICES	F16
465	72254	TEESPORT SERVICES	F16
466	72255	TEESPORT SERVICES	F16
467	72256	TEESPORT SERVICES	F16
468	72257	TEESPORT SERVICES	F16
469	72258	TEESPORT SERVICES	F16
470	72259	TEESPORT SERVICES	F16
471	72260	TEESPORT SERVICES	F16
472	72261	TEESPORT SERVICES	F16
473	72262	TEESPORT SERVICES	F16
474	72263	TEESPORT SERVICES	F16
475	72264	TEESPORT SERVICES	F16
476	72265	TEESPORT SERVICES	F16
477	72266	TEESPORT SERVICES	F16
478	72267	TEESPORT SERVICES	F16
479	72268	TEESPORT SERVICES	F16
480	72269	TEESPORT SERVICES	F16
481	72270	TEESPORT SERVICES	F16
482	72271	TEESPORT SERVICES	F16
483	72272	TEESPORT SERVICES	F16
484	72273	TEESPORT SERVICES	F16
485	72274	TEESPORT SERVICES	F16
486	72275	TEESPORT SERVICES	F16
487	72276	TEESPORT SERVICES	F16
488	72277	TEESPORT SERVICES	F16
489	72278	TEESPORT SERVICES	F16
490	72279	TEESPORT SERVICES	F16
491	72280	TEESPORT SERVICES	F16
492	72281	TEESPORT SERVICES	F16
493	72282	TEESPORT SERVICES	F16
494	72283	TEESPORT SERVICES	F16
495	72284	TEESPORT SERVICES	F16
496	72285	TEESPORT SERVICES	F16
497	72286	TEESPORT SERVICES	F16
498	72287	TEESPORT SERVICES	F16
499	72288	TEESPORT SERVICES	F16
500	72289	TEESPORT SERVICES	F16
501	72290	TEESPORT SERVICES	F16
502	72291	TEESPORT SERVICES	F16
503	72292	TEESPORT SERVICES	F16
504	72293	TEESPORT SERVICES	F16
505	72294	TEESPORT SERVICES	F16
506	72295	TEESPORT SERVICES	F16
507	72296	TEESPORT SERVICES	F16
508	72297	TEESPORT SERVICES	F16
509	72298	TEESPORT SERVICES	F16
510	72299	TEESPORT SERVICES	F16
511	72300	TEESPORT SERVICES	F16
512	72301	TEESPORT SERVICES	F16
513	72302	TEESPORT SERVICES	F16
514	72303	TEESPORT SERVICES	F16
515	72304	TEESPORT SERVICES	F16
516	72305	TEESPORT SERVICES	F16
517	72306	TEESPORT SERVICES	F16
518	72307	TEESPORT SERVICES	F16
519	72308	TEESPORT SERVICES	F16
520	72309	TEESPORT SERVICES	F16
521	72310	TEESPORT SERVICES	F16
522	72311	TEESPORT SERVICES	F16
523	72312	TEESPORT SERVICES	F16
524	72313	TEESPORT SERVICES	F16
525	72314	TEESPORT SERVICES	F16
526	72315	TEESPORT SERVICES	F16
527	72316	TEESPORT SERVICES	F16
528	72317	TEESPORT SERVICES	F16
529	72318	TEESPORT SERVICES	F16
530	72319	TEESPORT SERVICES	F16
531	72320	TEESPORT SERVICES	F16
532	72321	TEESPORT SERVICES	F16
533	72322	TEESPORT SERVICES	F16
534	72323	TEESPORT SERVICES	F16
535	72324	TEESPORT SERVICES	F16
536	72325	TEESPORT SERVICES	F16
537	72326	TEESPORT SERVICES	F16
538	72327	TEESPORT SERVICES	F16
539	72328	TEESPORT SERVICES	F16
540	72329	TEESPORT SERVICES	F16
541	72330	TEESPORT SERVICES	F16
542	72331	TEESPORT SERVICES	F16
543	72332	TEESPORT SERVICES	F16
544	72333	TEESPORT SERVICES	F16
545	72334	TEESPORT SERVICES	F16
546	72335	TEESPORT SERVICES	F16
547	72336	TEESPORT SERVICES	F16
548	72337	TEESPORT SERVICES	F16
549	72338	TEESPORT SERVICES	F16
550	72339	TEESPORT SERVICES	F16
551	72340	TEESPORT SERVICES	F16
552	72341	TEESPORT SERVICES	F16
553	72342	TEESPORT SERVICES	F16
554	72343	TEESPORT SERVICES	F16
555	72344	TEESPORT SERVICES	F16
556	72345	TEESPORT SERVICES	F16
557	72346	TEESPORT SERVICES	F16
558	72347	TEESPORT SERVICES	F16
559	72348	TEESPORT SERVICES	F16
560	72349	TEESPORT SERVICES	F16
561	72350	TEESPORT SERVICES	F16
562	72351	TEESPORT SERVICES	F16
563	72352	TEESPORT SERVICES	F16
564	72353	TEESPORT SERVICES	F16
565	72354	TEESPORT SERVICES	F16
566	72355	TEESPORT SERVICES	F16
567	72356	TEESPORT SERVICES	F16
568	72357	TEESPORT SERVICES	F16
569	72358	TEESPORT SERVICES	F16
570	72359	TEESPORT SERVICES	F16
571	72360	TEESPORT SERVICES	F16
572	72361	TEESPORT SERVICES	F16
573	72362	TEESPORT SERVICES	F16
574	72363	TEESPORT SERVICES	F16
575	72364	TEESPORT SERVICES	F16
576	72365	TEESPORT SERVICES	F16
577	72366	TEESPORT SERVICES	F16
578	72367	TEESPORT SERVICES	F16
579	72368	TEESPORT SERVICES	F16
580	72369	TEESPORT SERVICES	F16
581	72370	TEESPORT SERVICES	F16
582	72371	TEESPORT SERVICES	F16
583	72372	TEESPORT SERVICES	F16
584	72373	TEESPORT SERVICES	F16
585	72374	TEESPORT SERVICES	F16
586	72375	TEESPORT SERVICES	F16
587	72376	TEESPORT SERVICES	F16
588	72377	TEESPORT SERVICES	F16
589	72378	TEESPORT SERVICES	F16
590	72379	TEESPORT SERVICES	F16
591	72380	TEESPORT SERVICES	F16
592	72381	TEESPORT SERVICES	F16
593	72382	TEESPORT SERVICES	F16
594	72383	TEESPORT SERVICES	F16
595	72384	TEESPORT SERVICES	F16
596	72385	TEESPORT SERVICES	F16
597	72386	TEESPORT SERVICES	F16
598	72387	TEESPORT SERVICES	F16
599	72388	TEESPORT SERVICES	F16
600	72389	TEESPORT SERVICES	F16
601	72390	TEESPORT SERVICES	F16
602	72391	TEESPORT SERVICES	F16
603	72392	TEESPORT SERVICES	F16
604	72393	TEESPORT SERVICES	F16
605	72394	TEESPORT SERVICES	F16
606	72395	TEESPORT SERVICES	F16
607	72396	TEESPORT SERVICES	F16
608	72397	TEESPORT SERVICES	F16
609	72398	TEESPORT SERVICES	F16
610	72399	TEESPORT SERVICES	F16
611	72400	TEESPORT SERVICES	F16
612	72401	TEESPORT SERVICES	F16
613	72402	TEESPORT SERVICES	F16
614	72403	TEESPORT SERVICES	F16
615	72404	TEESPORT SERVICES	F16
616	72405	TEESPORT SERVICES	F16
617	72406	TEESPORT SERVICES	F16
618	72407	TEESPORT SERVICES	F16
619	72408	TEESPORT SERVICES	F16
620	72409	TEESPORT SERVICES	F16
621	72410	TEESPORT SERVICES	F16
622	72411	TEESPORT SERVICES	F16
623	72412	TEESPORT SERVICES	F16
624	72413	TEESPORT SERVICES	F16
625	72414	TEESPORT SERVICES	F16
626	72415	TEESPORT SERVICES	F16
627	72416	TEESPORT SERVICES	F16
628	72417	TEESPORT SERVICES	F16
629	72418	TEESPORT SERVICES	F16
630	72419	TEESPORT SERVICES	F16
631	72420	TEESPORT SERVICES	F16
632	72421	TEESPORT SERVICES	F16
633	72422	TEESPORT SERVICES	F16
634	72423	TEESPORT SERVICES	F16
635	72424	TEESPORT SERVICES	F16
636	72425	TEESPORT SERVICES	F16
637	72426	TEESPORT SERVICES	F16
638	72427	TEESPORT SERVICES	F16
639	72428	TEESPORT SERVICES	F16
640	72429	TEESPORT SERVICES	F16
641	72430	TEESPORT SERVICES	F16
642	72431	TEESPORT SERVICES	F16
643	72432	TEESPORT SERVICES	F16
644	72433	TEESPORT SERVICES	F16
645	72434	TEESPORT SERVICES	F16
646	72435	TEESPORT SERVICES	F16
647	72436	TEESPORT SERVICES	F16
648	72437	TEESPORT SERVICES	F16
649	72438	TEESPORT SERVICES	F16
650	72439	TEESPORT SERVICES	F16
651	72440	TEESPORT SERVICES	F16
652	72441	TEESPORT SERVICES	F16
653	72442	TEESPORT SERVICES	F16
654	72443	TEESPORT SERVICES	F16
655	72444	TEESPORT SERVICES	F16
656	72445	TEESPORT SERVICES	F16
657	72446	TEESPORT SERVICES	F16
658	72447	TEESPORT SERVICES	F16
659	72448	TEESPORT SERVICES	F16
660	72449	TEESPORT SERVICES	F16
661	72450	TEESPORT SERVICES	F16
662	72451	TEESPORT SERVICES	F16
663	72452	TEESPORT SERVICES	F16
664	72453	TEESPORT SERVICES	F16
665	72454	TEESPORT SERVICES	F16
666	72455	TEESPORT SERVICES	F16
667	72456	TEESPORT SERVICES	F16
668	72457	TEESPORT SERVICES	F16
669	72458	TEESPORT SERVICES	F16
670	72459	TEESPORT SERVICES	F16
671	72460	TEESPORT SERVICES	F16
672	72461	TEESPORT SERVICES	F16
673	72462	TEESPORT SERVICES	F16
674	72463	TEESPORT SERVICES	F16
675	72464	TEESPORT SERVICES	F16
676	72465	TEESPORT SERVICES	F16
677	72466	TEESPORT SERVICES	F16
678	72467	TEESPORT SERVICES	F16
679	72468	TEESPORT SERVICES	F16
680	72469	TEESPORT SERVICES	F16
681	72470	TEESPORT SERVICES	F16
682	72471	TEESPORT SERVICES	F16
683	72472	TEESPORT SERVICES	F16
684	72473	TEESPORT SERVICES	F16
685	72474	TEESPORT SERVICES	F16
686	72475	TEESPORT SERVICES	F16
687	72476	TEESPORT SERVICES	F16
688	72477	TEESPORT SERVICES	F16
689	72478	TEESPORT SERVICES	F16
690	72479	TEESPORT SERVICES	F16
691	72480	TEESPORT SERVICES	F16
692	72481	TEESPORT SERVICES	F16
693	72482	TEESPORT SERVICES	F16
694	72483	TEESPORT SERVICES	F16
695	72484	TEESPORT SERVICES	F16
696	72485	TEESPORT SERVICES	F16
697	72486	TEESPORT SERVICES	F16
698	72487	TEESPORT SERVICES	F16
699	72488	TEESPORT SERVICES	F16
700	72489	TEESPORT SERVICES	F16
701	72490	TEESPORT SERVICES	F16
702	72491	TEESPORT SERVICES	F16
703	72492	TEESPORT SERVICES	F16
704	72493	TEESPORT SERVICES	F16
705	72494	TEESPORT SERVICES	F16
706	72495	TEESPORT SERVICES	F16
707	72496	TEESPORT SERVICES	F16
708	72497	TEESPORT SERVICES	F16
709	72498	TEESPORT SERVICES	F16
710	72499	TEESPORT SERVICES	F16
711	72500	TEESPORT SERVICES	F16
712	72501	TEESPORT SERVICES	F16
713	72502	TEESPORT SERVICES	F16
714	72503	TEESPORT SERVICES	F16

STADLER



AX SERIES TECHNICAL INFORMATION

AX Series Version	High capacity Specification
AX Series Body Lengths	500mm or 600mm
Live and usable weighing area	374mm
Material	Tool Grade
AX Series protection	Zinc plated <i>Please note that zinc plating is not a cosmetic finish and is used for rust protection</i>
Rail Gauge	1 set of spacer poles provided
Rail Adaptors	1 set of rail adaptors provided
Number of wheel weighing units	2
Available Configurations	2 wheels
Working Temperature Range	-40 to +80 °C
Protection Classification	IP67
Power	Wireless: 2 x AA batteries configured for up to 1 year battery lifespan Wired: Rechargeable 24v batteries built into the system.
Wireless Range	300 metres
Dynamic Weighing Upgradeable	Yes, the AX300 can be used dynamically with the relevant upgraded software
Capacity per wheel	15,000kg
Safe Overload Protection	30,000kg
Increments	10kg
Accuracy	1-3% per wagon
AX Series Calibration	ISO9002:2015



PROUD TO HAVE WORKED WITH:



HEIDELBERGCEMENT



aselsan



Freightliner

STADLER



SIEMENS



BANE NOR



KERETA API
PT.KERETA API INDONESIA (PERSERO)





WEIGHBRIDGE SERVICES LTD

The Chapel, Carrwell Lane, Sheffield, S6 1NR, United Kingdom

Tel: +44 (0)114 321 63 64

Email: trainweigh@weighbridgeservices.com