

## STEER AXLES



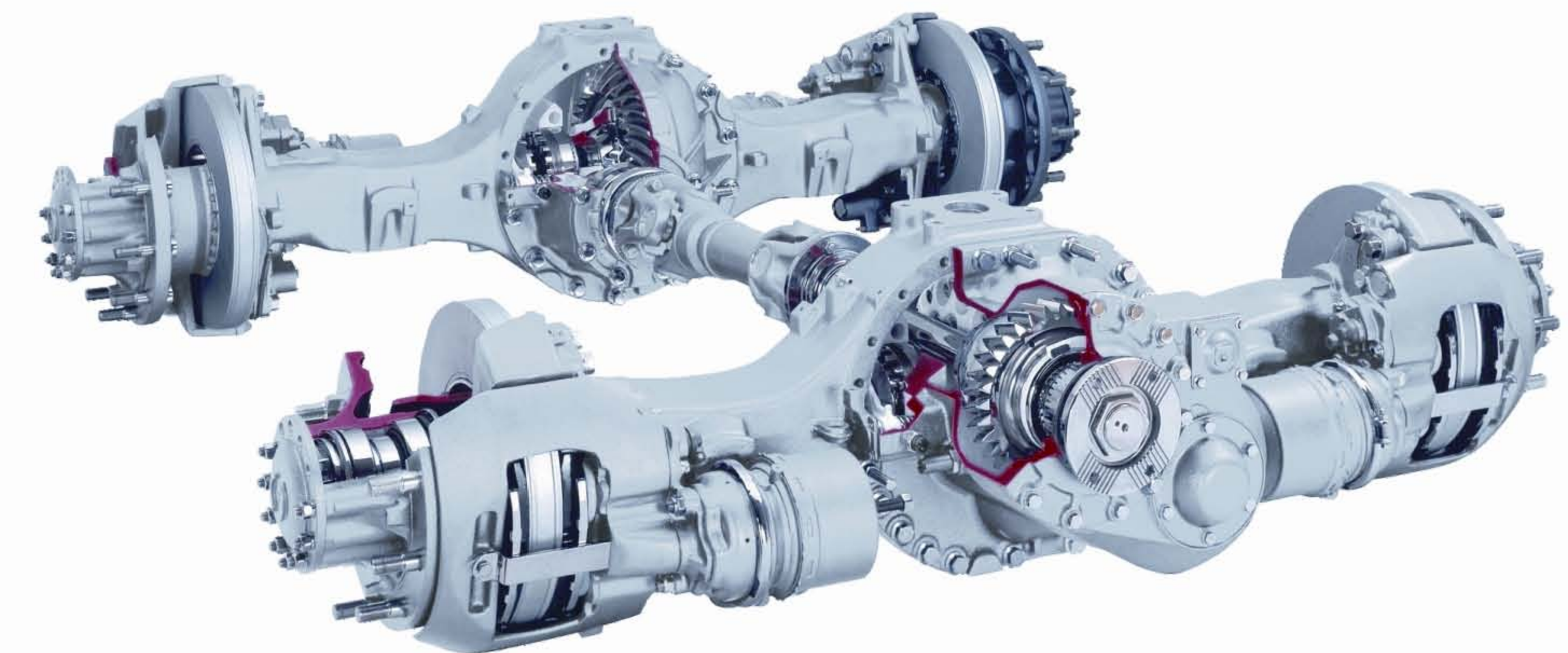
AXLE MODEL	GAWR RATING Tonnes	TRACK mm	OVERALL WIDTH mm	WHEEL SIZE mm	BRAKES AND SIZE mm	PAD CENTRE mm	WHEEL BOLT PCD mm	AXLE BEAM DROP mm	TURN ANGLE	KPI mm
FG 945	6.6	2013	2326.3	508	'S' CAM AIR Ø410 x 160 mm	820-900	10 STUDS-335 HUB PILOT	88.9	45°	1752.6
FH 946	7.5	2184	2591	571	ELSA 225-H Air Disc Brake	1302	10 STUDS-335 HUB PILOT	203	51°	1892.3
FH 941	7.5	2162	2574	571	ELSA 225-H Air Disc Brake	985	10 STUDS-335 HUB PILOT	76.2	51°	1892.3

## DRUM BRAKES



BRAKE MODEL	SHOE WIDTH mm	BRAKE OFFSET mm	TYPE	LINER GRADE	TORQUE RATING Kgm
DIA 325 mm	120, 140	42.0	Unit Mounted Type / Housing Mounted Type	Non Asbestos	850
DIA 393.7 mm	127, 152, 178, 203	56.4	Unit Mounted Type / Housing Mounted Type	Non Asbestos	1450
DIA 410 mm	160, 180, 200, 220	44.45	Unit Mounted Type / Housing Mounted Type	Non Asbestos	1800 - Normal 2100 - HD

# Drive Axles | Steer Axles | Brakes Technical Data



## FEATURES

- High efficiency gearing
- Integral brake to axle design and manufacturing capability
- Wide ratio availability
- Weight optimised designs
- Driver operated differential locks
- Wide range of products

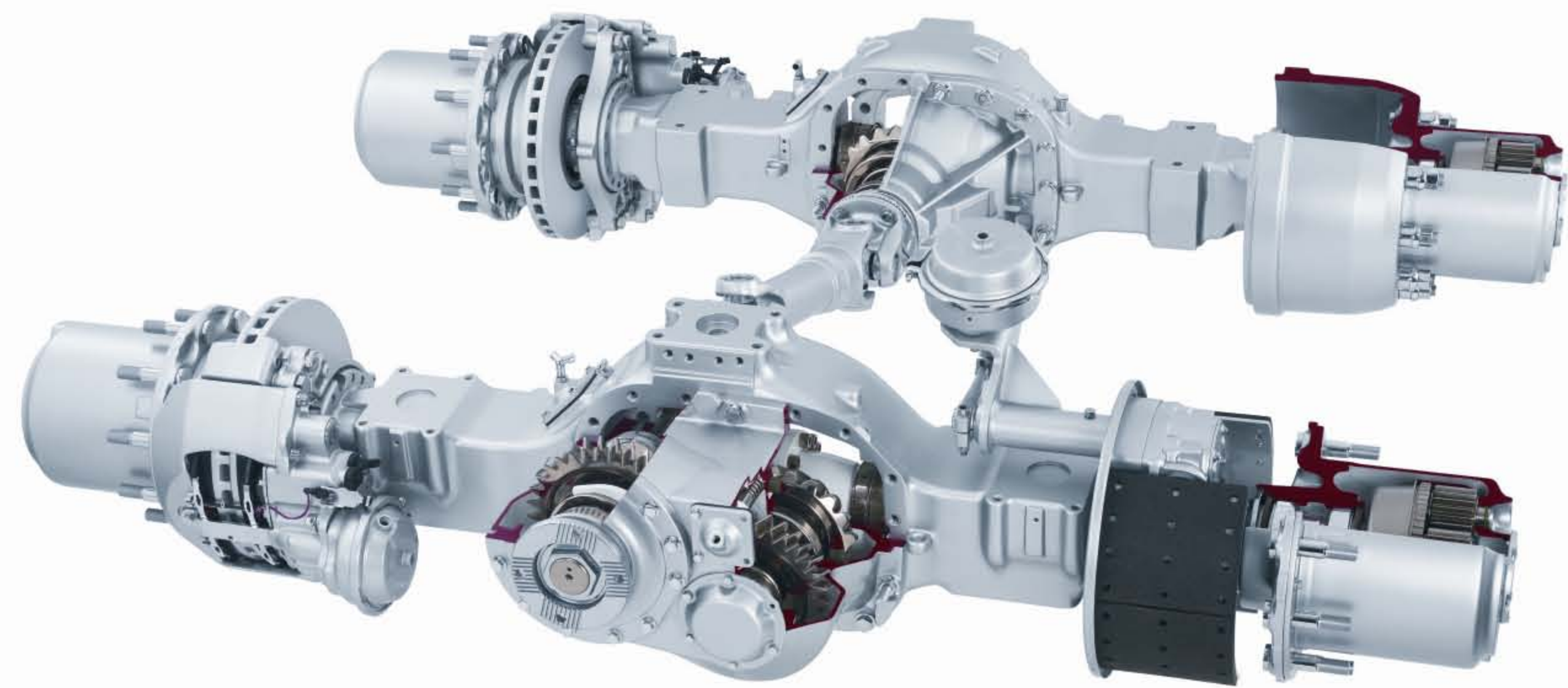
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**DRIVE AXLES**



SOLO AXLES

VEHICLE GROSS COMBINATION WEIGHT (Tonnes)						
HOUSING LOAD (Tonnes)	UPTO	12	16	30	40	44
4.0 - 6.0	MS06-100					
6.5 - 8.0			MS08-120			
10.0 - 13.0				MS13-245		MS13-177
10.0 - 13.0				MS13-145	MS14-1495 /1496/1497	
11.0 - 14.0						MS14-160
14.0 - 16.0						MS16-616
16.0 - 17.5						MS18-610

TANDEM AXLES

VEHICLE GROSS COMBINATION WEIGHT (Tonnes)					
HOUSING LOAD (Tonnes)	UPTO	50	54	70	100
20.0 - 26.0	MT26-109 MT26-148				
24.0 - 28.0			MT26-1495		
28.0 - 32.0				MT26-160	
32.0 - 36.0					MT32-616 MT36-610

**SOLO REAR DRIVE AXLES SINGLE REDUCTION**

AXLE MODEL	LOAD RATINGS (1)			AVAILABLE RATIOS	DIFF LOCK	DIMENSIONAL DATA						WEIGHT DATA (5)									
	GROSS AXLE WEIGHT (GAW) (Tonne)	GROSS VEHICLE WEIGHT (GVW) (Tonne)	GROSS COMBINED WEIGHT (GCW) (Tonne)	CUT PITCH	SPLINE TYPE	PINION			HOUSING		SPINDLE BEARING BORE (IB / OB) DIAMETERS (mm)	AXLE SHAFT BODY DIAMETER (mm)	WHEEL ENDS (3)		CARRIERS			HOUSING WITH BRAKE FLANGE (kgs) (4)	HUBS (TWO FERROUS) (kgs)	BRAKE DRUM (TWO)	AXLE SHAFT (TWO) (kgs)
						RING GEAR PITCH DIAMETER (mm)	STAND OUT (mm) (2)	OFF SET (mm)	SPRING SEAT SECTION (mm)	THICKNESS AT SPRING SEAT (mm)			NUMBER OF BOLTS / PCD	WHEEL BOLT SIZE (mm)	FERROUS (kgs)	DIFF LOCK (kgs)	DRIVE FLANGE (kgs)				
MS06-100	4.0 - 6.0	6.0 - 8.0	12	3.70,4.10, 4.33, 4.56, 5.29, 6.20, 6.43, 6.80	NOT AVAILABLE	305	256.5	25.4	108x97	10	73.025 / 63.5 75.0 / 65.0	36 42	6-205	M 18	59	N.A	1.4	64	40	40	24
MS08-120	6.5 - 8.0	9.0 - 12.0	16	3.31, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.57, 6.83	SPLINE TYPE	337	299	31.75	108x97	11 12 13	76.2 / 63.5	42	6-205 8-275	M 18 M22 x 2.5	78	4	2	75	70	50	25
MS13-145	10.0 - 13.0	13.0 - 19.2	30	3.58, 3.73, 3.9, 4.11, 4.33, 4.63, 4.88, 5.13, 5.29, 5.57, 5.83, 6.17, 6.83	SPLINE TYPE	389	332	44.45	150x130	13	95.02 / 82.55	55	10-335	M22 x 2.5	125	4.5	4	108	80	85	50
MS13-1495	10.0 - 13.0	16.0 - 19.2	40	3.63, 4.89, 5.29, 5.83, 6.17, 6.83	NOT AVAILABLE	432	396.2	44.45	150x130 154x139.7	13 14	95.25 / 82.55 98.425 / 82.55	55	10-335	M22 x 2.5	165	N.A	5	114	95	90	52
MS13-1496	10.0 - 13.0	16.0 - 19.2	40	4.88, 5.29, 5.83, 6.17	NOT AVAILABLE	432	396.2	44.45	150x130 154x139.7	13 14	95.25 / 82.55 98.425 / 82.55	55	10-335	M22 x 2.5	165	N.A	5	114	95	90	52
MS13-1497	10.0 - 13.0	16.0 - 19.2	40	3.7, 4.63, 4.89, 5.29, 5.83, 6.17, 6.83	NOT AVAILABLE	440	396.2	44.45	150x130 154x139.7	13 14	95.25 / 82.55	55	10-335	M 22 x 2.5 / 1.5	165	N.A	5	114	95	90	52
MS14-160	11.0 - 14.0	18.0 - 21.0	44	4.63, 5.29, 5.83, 6.17, 6.5, 6.83	SPLINE TYPE	457	389.5	44.45	154x139.7 156x148	13 14	95.25 / 82.55 98.425 / 85.000	57.2	10 - 335	M22 x 2.5	170	6	6	137	95	100	54
MS13-177	11.0 - 13.0	18.0 - 21.0	44	2.64, 2.85, 3.08, 3.36, 3.70, 4.11, 4.63, 4.88, 5.29, 6.17	FACE CLUTCH	444.5	381	44.45	154x139.7	13	98.425 / 85.000	57.2	10 - 335	M 22 x 2.5 / 1.5	170	N.A	5	137	95	90	55
MS13-245	10.0 - 13.0	16.0 - 19.2	35	4.1, 4.3, 4.56, 4.88, 5.12, 5.38, 5.86, 6.50, 6.83, 7.17	FACE CLUTCH	431.8	356.8	44.45	154x139.7	13	98.425 / 85.000	57.2	10 - 335	M22 x 2.5 / 1.5	200	N.A	5	137	95	90	55
MS16-616	14.0-16.0	35	60	5.4, 6.19, 7.2 Wheelend Ratio: 3.46	CURVIC	290.0	352.0	0	154x139.7	14	105.0/88.88	45	10 - 335	M22 x 2.5 / 1.5	153	5	4	160	64	138	28
MS18-610	14.9-17.5	35	60	5.4, 6.19, 7.2 Wheelend Ratio: 3.46	CURVIC	290.0	352.0	0	CAST CAST		105.0/88.88	45	10 - 335	M22 x 2.5 / 1.5	153	5	4	211	64	138	28

**TANDEM REAR DRIVE AXLES SINGLE REDUCTION**

AXLE MODEL	LOAD RATINGS (1)			AVAILABLE RATIOS	DIFF LOCK	DIMENSIONAL DATA						WEIGHT DATA (5)											
	GROSS AXLE WEIGHT (GAW) (Tonne)	GROSS VEHICLE WEIGHT (GVW) (Tonne)	GROSS COMBINED WEIGHT (GCW) (Tonne)	CUT PITCH	SPLINE TYPE	RING GEAR PITCH DIAMETER (mm)	PINION		HOUSING		SPINDLE BEARING BORE DIAMETERS (mm)	AXLE SHAFT BODY DIAMETER (mm)	WHEEL ENDS (3)		CARRIERS			HOUSING WITH BRAKE FLANGE FRONT / REAR (kgs) (4)	HUBS (FOUR FERROUS) (kgs)	BRAKE DRUM (FOUR) (kgs)	AXLE SHAFT (FOUR) (kgs)		
							STAND OUT (mm) (2)	OFF SET (mm)	SPRING SEAT SECTION (mm)	THICKNESS AT SPRING SEAT (mm)			NUMBER OF BOLTS / PCD	WHEEL BOLT SIZE (mm)	FERROUS (kgs)	DIFF LOCK (kgs)	DRIVE FLANGE (kgs)						
MT26-109	20.0 - 26.0	28.0 - 30.0	50	5.83, 6.17, 6.83	NOT AVAILABLE	382	435.3 (Frt-Input) 233.4 (Frt-Rear) 335 (Rear-Input)	44.45	150x130	13	92.25 / 82.55	55	N.A		195	117	N.A	Frt I/P 4 Frt O/P 3.5 Rear I/P 3.5	Front Rear	110 105	N.A	N.A	96
MT26-148	24.0 - 28.0	30.0 - 32.0	50	5.83, 6.17, 6.50	NOT AVAILABLE	387	435.3 (Frt - Input) 233.4 (Frt - Rear) 332 (Rear - Input)	44.45	150x130	13	95.25 / 82.55	55	N.A	N.A	200	125	N.A	Frt I/P 4 Frt O/P 3.5 Rear I/P 3.5	Front Rear	110 105	N.A	N.A	96
MT26-1495	24.0 - 28.0	30.0 - 32.0	54	5.83, 6.17, 6.83	NOT AVAILABLE	432	510.5 (Frt-Input) 279.4 (Frt-Rear) 396 (Rear-Input)	44.45	154x139.7	13	98.425 / 85.000 105.00 / 85.026	55	10 - 335	M 22 x 2.5	229	165	N.A	Frt I/P 5 Frt O/P 4 Rear I/P 4	Front Rear	120 114	190	180	100
MT26-160	24.0 - 28.0	32.0 - 34.0	70	4.56, 5.38, 4.63, 5.29, 6.167, 6.83	SPLINE TYPE	457	505 (Frt-Input) 250 (Frt-Rear) 389.5 (Rear-Input)	44.45	156x148 154x139.7	13 14	98.425 / 85.000 105.00 / 85.026	57.2	10 - 335	M 22 x 2.5	270	220	Frt 6 Rear 6	Frt I/P 6 Frt O/P 6 Rear I/P 6	Front Rear	144 137	190	200	108
MT32-616				5.4, 6.19, 7.2 Wheelend Ratio: 3.46	CURVIC	290.0	435.8 (Frt-Input) 218.0 (Frt-Output) 352.0 (Rear-Input)	Fwd-95 Rear-0	154x139.7	14	105.0/88.88	45	10 - 335	M22 x 2.5 / 1.5	225	153	Frt 7 Rear 5.5	Frt I/P 3.5 Frt O/P 3.5 Rear I/P 4	Front Rear	165 160	128.0	276.0	56
MT36-610				5.4, 6.19, 7.2 Wheelend Ratio: 3.46	CURVIC	290.0	435.8 (Frt-Input) 218.0 (Frt-Output) 352.0 (Rear-Input)	Fwd-95 Rear-0	CAST CAST		105.0/88.88	45	10 - 335	M22 x 2.5 / 1.5	225	153	Frt 7 Rear 5.5	Frt I/P 3.5 Frt O/P 3.5 Rear I/P 4	Front Rear	218 211	128.0	276.0	56

- (1) Capacity ratings where stated vary with application & service. Application must be approved by Meritor HVS (India) Limited.
- (2) Pinion stand out is up to butting face of pinion nut.
- (3) Wheel ends : Includes bearings, seals, oil seal rings, axle shaft mtg fasteners, wheel bolts & nuts.
- (4) Housing weights : Without brackets & housing fasteners. Weights will vary based on customer specific Track, Spindle & Brake flange.

The information given in this data sheet was correct at the time of publication. However Meritor HVS (India) Limited pursues a policy of continuous product improvements and therefore the above details may undergo change without notice. It is recommended that Meritor HVS (India) Limited, Marketing Department is consulted for the updated information. Meritor HVS (India) Limited cannot accept responsibility or liability for problems arising out of such