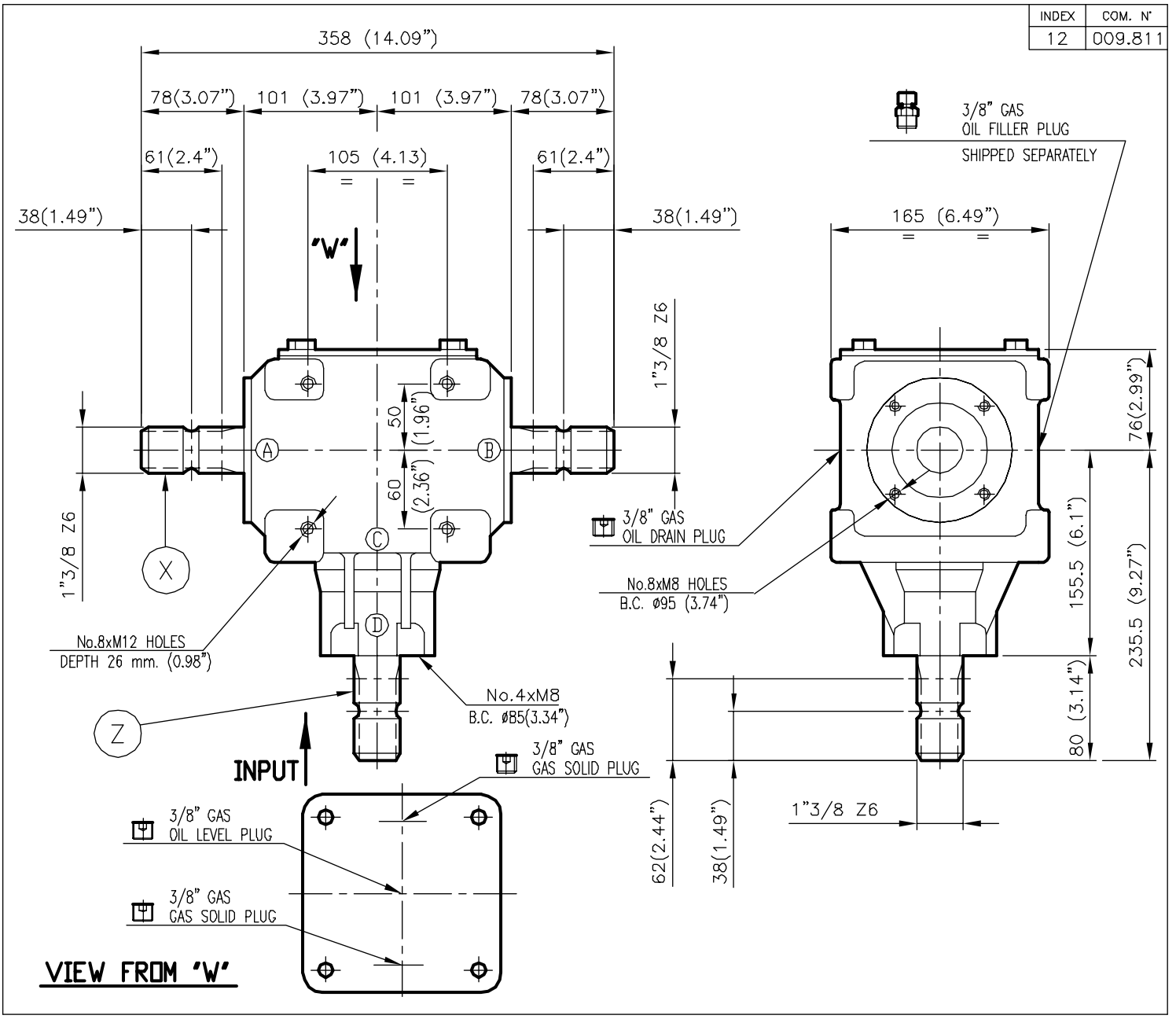
comer industries
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COMPANY	REF.	DESIGNATION
COMMERCIAL	–	T–27J
	DATE: 16/MAR/04	CODE: 9.267.806.10

INDEX	COM. N°
12	009.811



90° BEVEL GEAR UNIT

Ratio i	Rated input r.p.m.	Rated input power HP	Rated input power kW	Rated output torque da Nm	Weight Kg	Lubricant Oil ☒ Type	Lubricant Grease ☐ Quantity Kg.
1 : 1	540	55	40.4	69.4	21	SAE.90EP	Lt. 1.2

Gear Arrangement	Bevel couplings							Cylindrical couplings						
	Helicoidal	Straight	Teeth number Z 1	Z 2	Z 3	Z 4	Module M.	Helicoidal	Straight	Teeth number Z 1	Z 2	Z 3	Z 4	Module M.
In.		*	18	18			6.15							

Bearings	
A	6207
B	30207
C	30207
D	6207
E	
F	
G	
H	

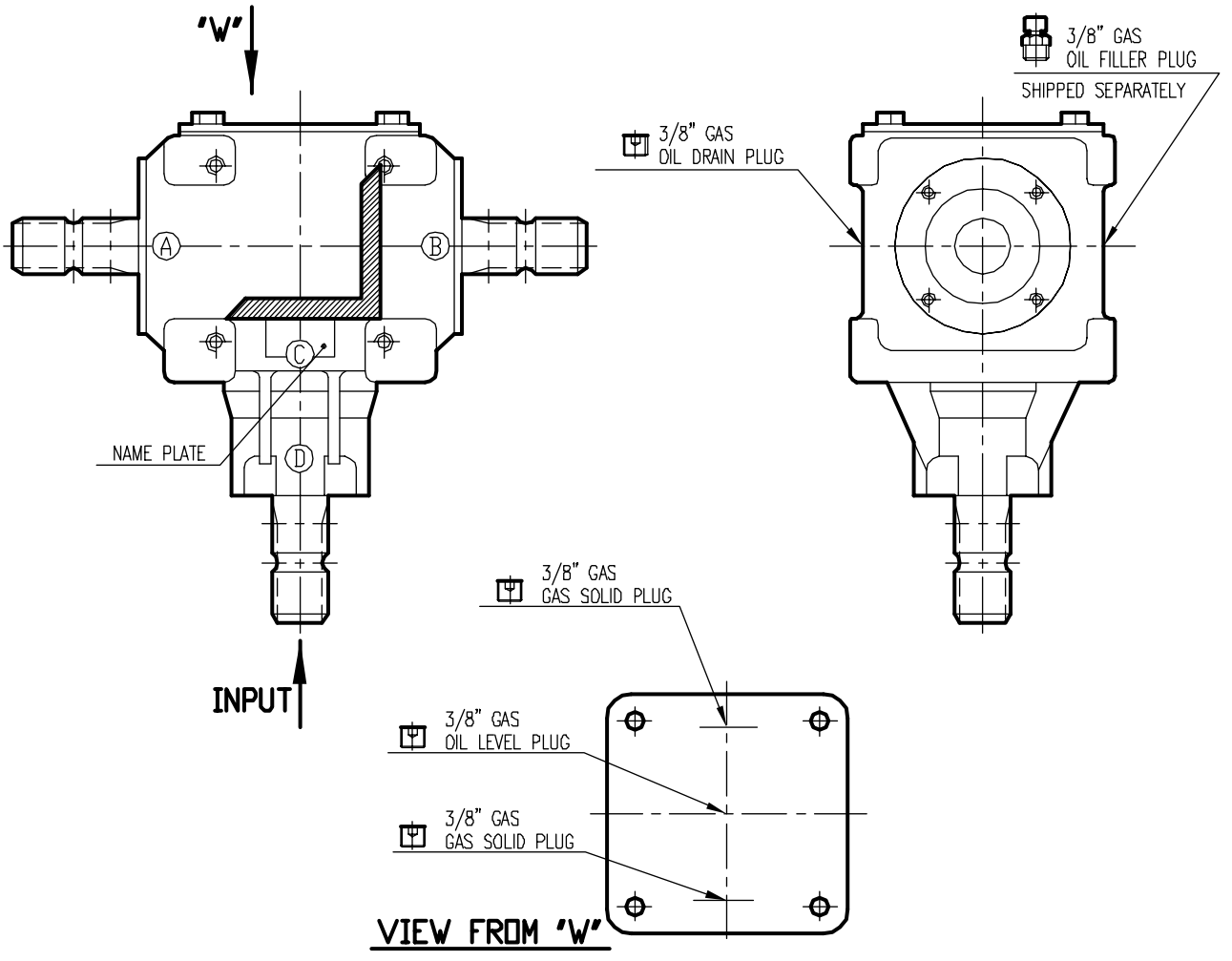
Components material

Casing	Shaft X	Shaft Z	Bevel gear	Spur gear
ASTM 60–40–18	AISI 3120	AISI 3120	AISI 3120	

COMER INDUSTRIES reserves the right to make any change to this product without prior public acknowledgement

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comer industries gearboxes	REF. –	COMPANY : COMMERCIAL		INDEX 12	COM. N° 009.811
	RATIO	FIG. MONT.	COD.LETT. T–27J	CODE	
	1 : 1	5 – 6	COD.NUM. 267	9.267.806.10	



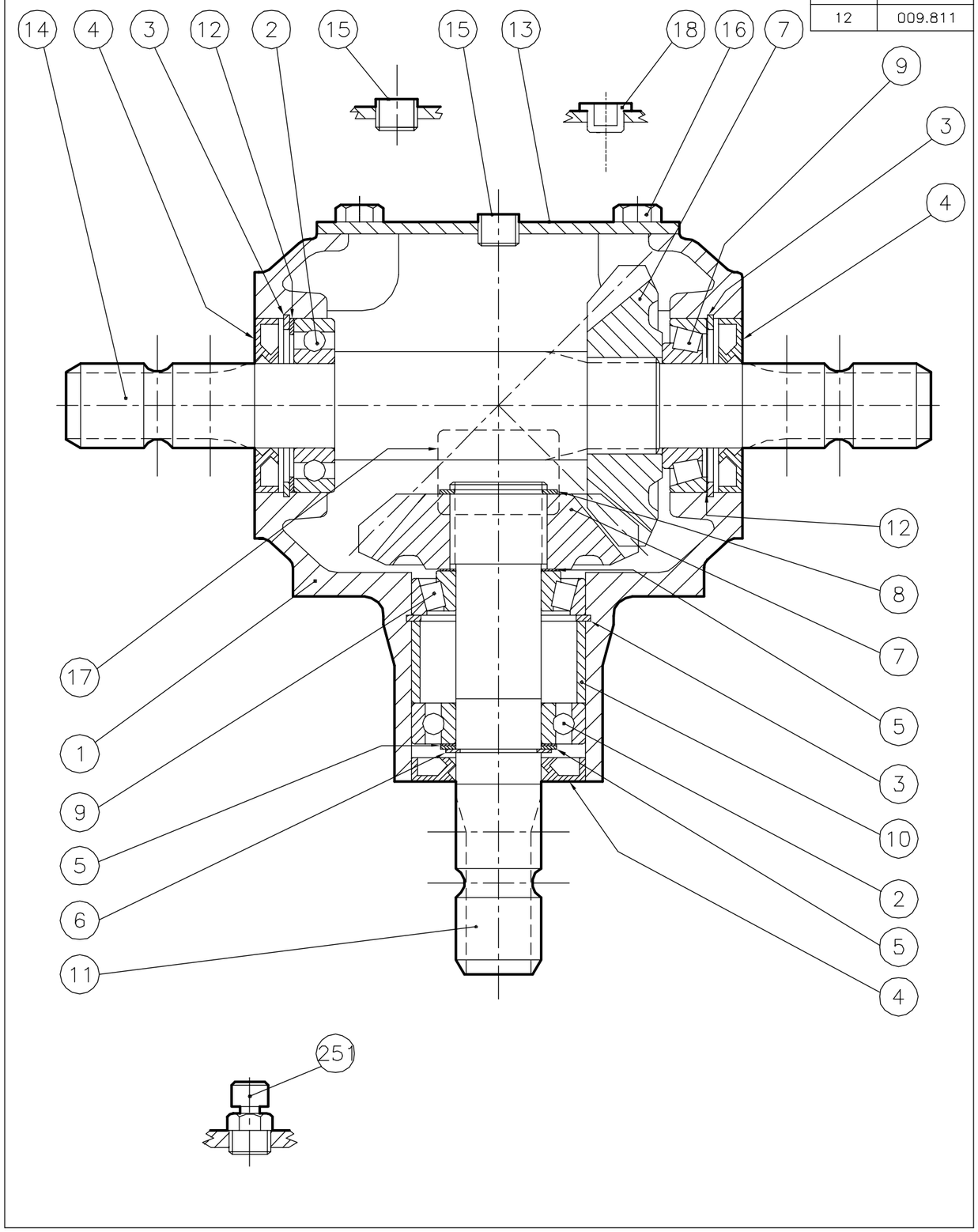
NOTE DI MONTAGGIO	ASSEMBLY NOTES	
– GIOCO DI INGRANAMENTO .	– GEARS BACKLASH .	0.18 ÷ 0.49 mm.
– PRECARICO ASSE USCITA (SENZA PARAOLIO) .	– OUTPUT SHAFT BEARINGS PRELOAD (WHITOUT OIL SEAL) .	1 ÷ 5 Kgcm.
– PRECARICO ASSE ENTRATA (SENZA PARAOLIO) .	– INPUT SHAFT BEARINGS PRELOAD (WHITOUT OIL SEAL) .	2.5 ÷ 5 Kgcm.
– SERRAGGIO VITI COPERCHIO .	– TIGHTENING COVER BOLTS .	5 ÷ 6.4 Kgm.
– APPLICARE SILICONE TRA COPERCHIO E SCATOLA .	– APPLY SILICONE SEALANT BETWEEN COVER AND HOUSING .	
– NEBULIZZARE ALL'INTERNO DELLA SCATOLA CON "NUCLEOIL 10" COME ULTIMA OPERAZIONE.	– SPRAY "NUCLEOIL 10" INSIDE THE HOUSING AS LAST OPERATION.	
– PARTICOLARI SMONTATI .	– NOT ASSEMBLED PARTS .	A.253.001
– INGRASSARE I PARAOLI TRA LABBRO DI TENUTA E LABBRO PARAPOLVERE .	– GREASE THE OIL SEALS BETWEEN SEAL LIPS AND LIPS COVER .	

SPESS. TEORICA IN: (A) 0.7 mm (C) 0.65 mm
THEORETICAL SHIMS: (B) 0.55 mm (D) 2 mm

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REF. .	COMPANY : COMMERCIAL		INDEX 12	COM. N° 009.811
RATIO 1 : 1	FIG. MONT. 5 - 6	COD.LETT. T-27J	COD.NUM. 267	CODE 9.267.806.10

POS.	DRG. Nr.	PCS.	DESCRIPTION
1	0.267.0304.00	1	CASTING & MACHINING
2	8.0.1.00870	2	BALL BEARING 6207 (35x72x17)
3	8.5.2.00131	3	SNAP RING (72x75x2.5 , FOR HOLES)
4	8.7.1.00152	3	DUST LIP (35x72x10)
5	0.259.7500.00	2	SHIM KIT (35.3x48.0)
6	8.5.1.00005	1	SNAP RING (35x33x1.5 , FOR SHAFTS)
7	0.267.5007.00	2	GEAR CROWN Z18 M6.15
8	8.5.1.00029	1	SNAP RING (40x37.5x1.75 , FOR SHAFTS)
9	8.0.9.00026	2	ROLLER BEARING 30207 (35x72x18.25)
10	0.267.7100.00	1	SPACER (64.3x71.8x34.1)
11	0.267.2001.00	1	INPUT SHAFT 1"3/8 Z6
12	0.248.7500.00	2	SHIM KIT (60.3x71.7)
13	0.267.1300.00	1	COVER
14	0.267.3005.00	1	THROUGH OUTPUT SHAFT 1"3/8 Z6
15	8.6.6.00201	4	3/8" GAS CONICAL PLUG WITH EMBEDDED HEXAGON
16	8.1.1.00054	4	BOLT M10x20 HHB (8,8)
17	0.124.7135.00	1	NAME PLATE
18	8.6.0.01684	1	3/8" GAS SUB PLUG

(A.253.001) SHIPPED SEPARATELY

POS.	DRG. Nr.	PCS.	DESCRIPTION
251	8.6.7.00161	1	3/8" GAS OIL VENT PLUG