

# Worm and wheel gearbox

## CHML

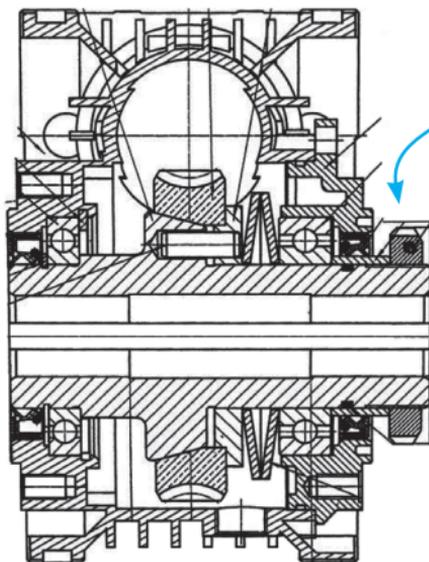
## Integrated torque limiter

- The CHML range of worm and wheel gearboxes are available in 3 sizes; CHML40, CHML50 and CHML63
- The torque limiter provides protection against overload
- The torque limiter is in an oil bath and is maintenance free
- The gearbox **dimensions are identical to those of the CHM** range with the exception of the external ring nut.
- Please note however that the dimensions of the mounting flange may be different to those of the CHM range



### Adjustment

- Set the torque limit by tightening or loosening the external ring nut



# Worm and wheel gearbox

## Integrated torque limiter (up to 57 Nm) CHML40

- **Protected against overload**
- Ratios from 20:1 to 100:1
- Torque limit can be set anywhere up to the maximum value
- Materials:
  - Housing: aluminium
  - Worm: treated steel
  - Wheel: bronze (cast iron hub)
- Lubrication: synthetic oil ISO VG320

### Accessory

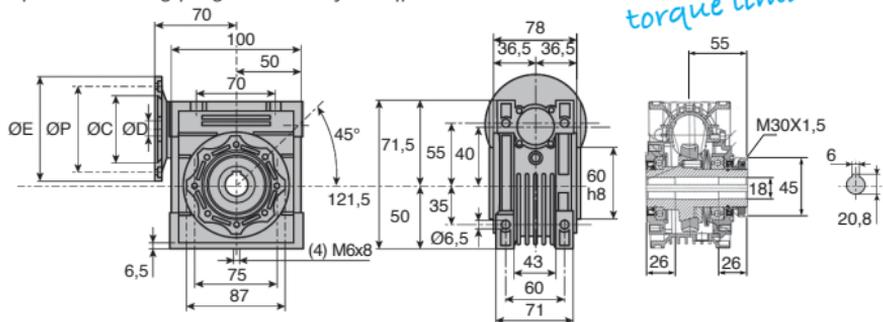
- See **CHM40**

### Info

- Dimensions are the same as the **CHM** range except for the mounting flanges which may be different



With integrated torque limiter



### OUTPUT TORQUE (IN NM, VALUES GIVEN AS A GUIDE ONLY)

Ratio	20:1	25:1	30:1	40:1	50:1	60:1	100:1
Input speed (rpm)	2800	28	27	33	30	30	27
1400	38	39	44	40	38	35	28
900	43	43	48	44	41	38	31
500	53	51	57	52	48	40	35

### DISCOUNTS

Qty	1+	3+	6+
Disc.	List	-20%	On request

Part number	Ratio	Mounting flange				Self locking			Price each
		flange	ØD	ØC	ØP	ØE	output	1 to 2	
CHML40-20-71B14	20:1	71B14	14	70	85	105	No	224,19 €	
CHML40-25-63B14	25:1	63B14	11	60	75	90	No	224,19 €	
CHML40-25-63B5	25:1	63B5	11	95	115	140	No	224,19 €	
CHML40-30-63B14	30:1	63B14	11	60	75	90	No	224,19 €	
CHML40-30-63B5	30:1	63B5	11	95	115	140	No	224,19 €	
CHML40-40-63B14	40:1	63B14	11	60	75	90	No	224,19 €	
CHML40-40-63B5	40:1	63B5	11	95	115	140	No	224,19 €	
CHML40-50-63B14	50:1	63B14	11	60	75	90	Not defined	224,19 €	
CHML40-60-63B14	60:1	63B14	11	60	75	90	Not defined	224,19 €	
CHML40-100-63B14	100:1	63B14	11	60	75	90	Yes	224,19 €	

Dimensions in mm

# Worm and wheel gearbox

## CHML50 Integrated torque limiter up to 107 Nm

- Protected against overload
- Ratios from 20:1 to 100:1
- Torque limit can be set anywhere up to the maximum value
- Materials:
  - Housing: aluminium
  - Worm: treated steel
  - Wheel: bronze (cast iron hub)
- Lubrication: synthetic oil ISO VG320

### Accessory

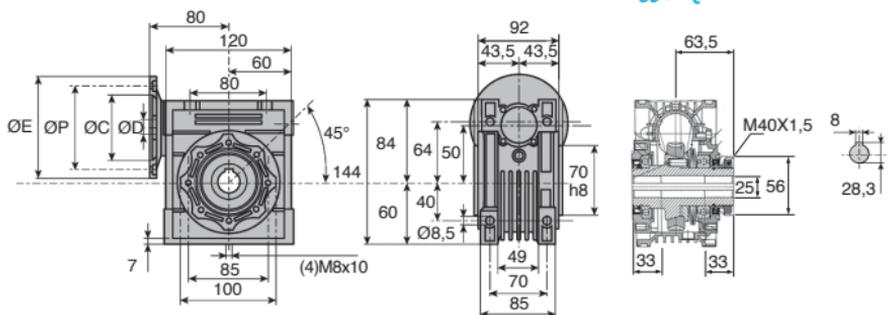
- See CHM50

### Info

- Dimensions are the same as the CHM range except for the mounting flanges which may be different



With integrated torque limiter



### OUTPUT TORQUE (IN NM, VALUES GIVEN AS A GUIDE ONLY)

Ratio	20:1	25:1	30:1	40:1	50:1	60:1	100:1
Input speed (rpm)	2800	52	51	63	58	52	49
1400	72	69	83	75	72	67	54
900	76	74	89	81	76	71	55
500	92	90	107	97	90	82	64

### DISCOUNTS

Qty	1+	3+	6+
Disc.	List -20%	On request	

Part number	Ratio	Mounting flange	ØD	ØC	ØP	ØE	Self locking		Price each
							output	1 to 2	
CHML50-20-71B5	20:1	71B5	14	110	130	160	No		340,14 €
CHML50-25-71B5	25:1	71B5	14	110	130	160	No		340,14 €
CHML50-30-71B5	30:1	71B5	14	110	130	160	No		340,14 €
CHML50-40-71B5	40:1	71B5	14	110	130	160	No		340,14 €
CHML50-50-71B5	50:1	71B5	14	110	130	160	Not defined		340,14 €
CHML50-60-71B5	60:1	71B5	14	110	130	160	Not defined		340,14 €
CHML50-100-71B5	100:1	71B5	14	110	130	160	Yes		340,14 €

Dimensions in mm

# Worm and wheel gearbox

Integrated torque limiter up to 198 Nm **CHML63**

- **Protected against overload**
- Ratios from 20:1 to 100:1
- Torque limit can be set anywhere up to the maximum value
- Materials:
  - Housing: aluminium
  - Worm: treated steel
  - Wheel: bronze (cast iron hub)
- Lubrication: synthetic oil ISO VG320

## Accessory

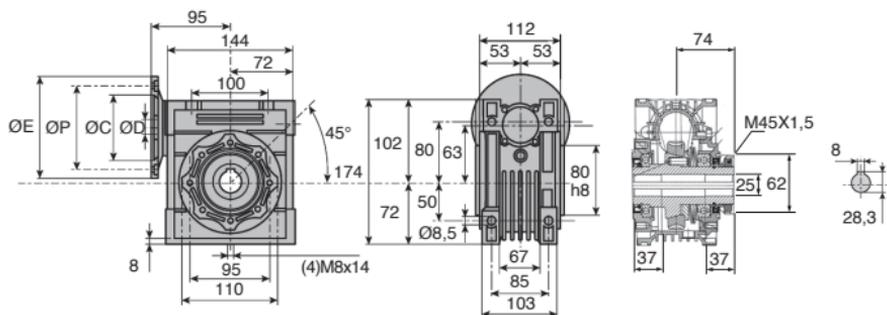
- See **CHM63**

## Info

- Dimensions are the same as the **CHM** range except for the mounting flanges which may be different.



*With integrated torque limiter*



## OUTPUT TORQUE (IN NM, VALUES GIVEN AS A GUIDE ONLY)

Ratio	20:1	25:1	30:1	40:1	50:1	60:1	100:1
Input speed (rpm)	2800	99	91	119	107	99	94
	1400	134	129	159	144	134	129
	900	147	136	174	159	144	137
	500	177	163	198	184	172	159

## DISCOUNTS

Qty	1+	3+	6+
Disc.	List -20%	On request	On request

Part number	Ratio	Mounting flange	ØD	ØC	ØP	ØE	Self locking		Price each
							output	1 to 2	
CHML63-20-90B5	20:1	90B5	24	130	165	200	No	454,63 €	
CHML63-25-90B5	25:1	90B5	24	130	165	200	No	454,63 €	
CHML63-30-90B5	30:1	90B5	24	130	165	200	No	454,63 €	
CHML63-40-80B5	40:1	80B5	19	130	165	200	No	454,63 €	
CHML63-50-80B5	50:1	80B5	19	130	165	200	Not defined	454,63 €	
CHML63-60-80B5	60:1	80B5	19	130	165	200	Not defined	454,63 €	
CHML63-100-71B5	100:1	71B5	14	110	130	160	Yes	454,63 €	

Dimensions in mm