WM 30/SP81 RIDUTTORE COMBINATO / COMBINATION GEARBOX

Caratteristiche tecniche

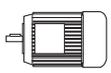
L'accoppiamento di un riduttore a vite senza fine con un riduttore epicicloidale consente di ottenere elevati rapporti di riduzione (i_{max} = 1/18452) e di disporre di un gruppo autolubrificato compatto, silenzioso e con un' elevata affidabilità.

Technical characteristics

The coupling of a wormgearbox to a planetary gearbox allows to obtain high reduction ratios (i_{max} = 1/18452) and to get a compact, silent, self lubricated with high reliability group.

Designazione / *Designation*

Tipo *Type*	Rapporto *Ratio*	Versione *Version*	Flangia uscita *Output flange*	PAM	Flangia entrata *Input flange*
WM 30/SP811	**207.2**	**CS**	**C90**	**P63**	**B14**
WM 30/ SP811 WM 30/ SP812	vedi tabelle *see tables*	CS CD FS FD	— C90 C105 C120	P56 P63	B5 B14



+ Tipo e grandezza motore (se richiesto)
+ Type and frame of the motor *(if requested)*

Dati tecnici / *Technical data*

WM 30/SP811

		i (rapporti preferenziali con pronta consegna / *preferred ratios with prompt delivery*)						
		51.8	**77.7**	**103.6**	**155.4**	**207.2**	**259.0**	**310.8**
n_1 = 1400 min^{-1}	n_2 [min^{-1}]	27.0	18.0	13.5	9.0	6.8	5.4	4.5
	M_n [Nm]	**80**						
	RD%	68	63	61	53	48	46	42
	M_2 [Nm]	**43**	**60**	**77**	**73**	**80**	**73**	**80**
	sf	1.8	1.3	1.0	1.1	1.0	1.1	1.0
	P_1 [kW]	**0.18**			**0.13**		**0.09**	
		P63					P56	

WM 30/SP812

		i (rapporti preferenziali con pronta consegna / *preferred ratios with prompt delivery*)								
		268.5	**402.8**	**537.0**	**805.5**	**1074**	**1343**	**1736**	**2098**	**2734**
n_1 = 1400 min^{-1}	n_2 [min^{-1}]	5.2	3.5	2.6	1.7	1.3	1.0	0.8	0.7	0.5
	M_n [Nm]	**120**								
	RD%	64	59	57	50	45	43	40	40	40
	M_2 [Nm]	**105**	**120**	**120**	**120**	**120**	**120**	**120**	**120**	**120**
	sf	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	P_1 [kW]	**0.09**		**0.06**						
		P56								

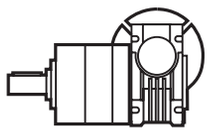
N.B. Verificare sempre che la coppia M_2 utilizzata non ecceda il valore nominale M_n del riduttore.
N.B. Please check that the torque M_2 does not exceed the output torque M_n of the gearbox

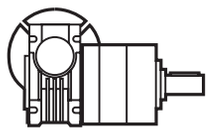
Simbologia /*Symbols*

n_1	[min^{-1}]	Velocità in ingresso	*Input speed*
n_2	[min^{-1}]	Velocità in uscita	*Output speed*
i		Rapporto di riduzione	*Ratio*
P_1	[kW]	Potenza in entrata	*Input power*
M_n	[Nm]	Coppia nominale in uscita del riduttore	*Maximum output torque of the gearbox*
M_2	[Nm]	Coppia in uscita in funzione di P_1	*Output torque referred to P_1*
sf		Fattore di servizio	*Service factor*
RD	%	Rendimento dinamico	*Dynamic efficiency*

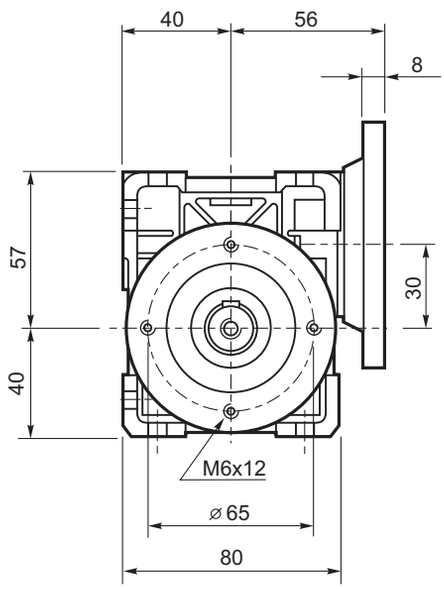
Dimensioni / ***Dimensions***

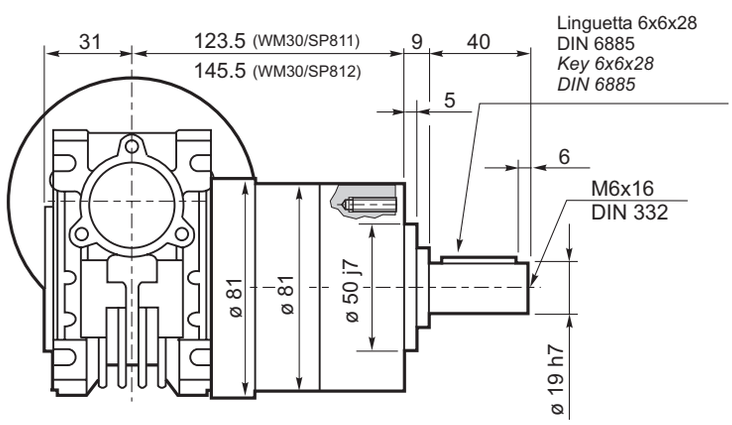
WM30/SP811..CD
WM30/SP812..CD

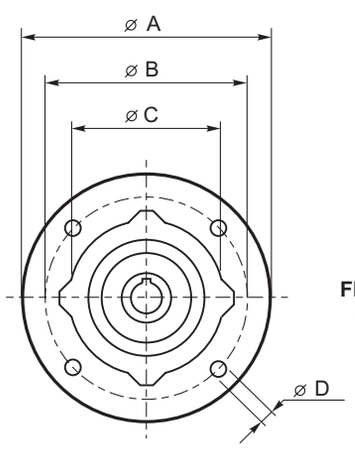




WM30/SP811..CS
WM30/SP812..CS



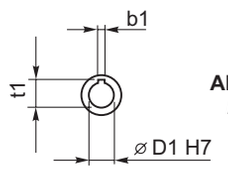




Flangia entrata
Input flange

Kg

3.1 (WM26/SP811)
3.8 (WM26/SP812)



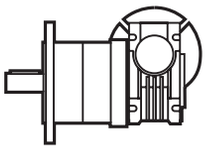
Albero entrata
Input shaft

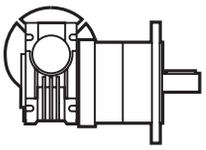
		A	B	C	D	D1	t1	b1
P56	B5	120	100	80	6.5	9	10.4	3
	B14	80	65	50	6			

		A	B	C	D	D1	t1	b1
P63	B5	140	115	95	9.5	11	12.8	4
	B14	90	75	60	6			

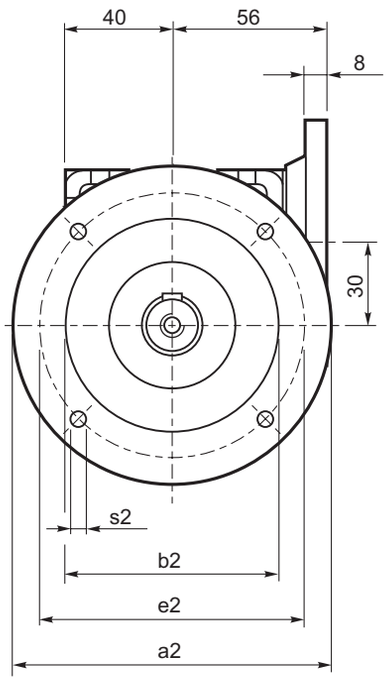
Dimensioni / *Dimensions*

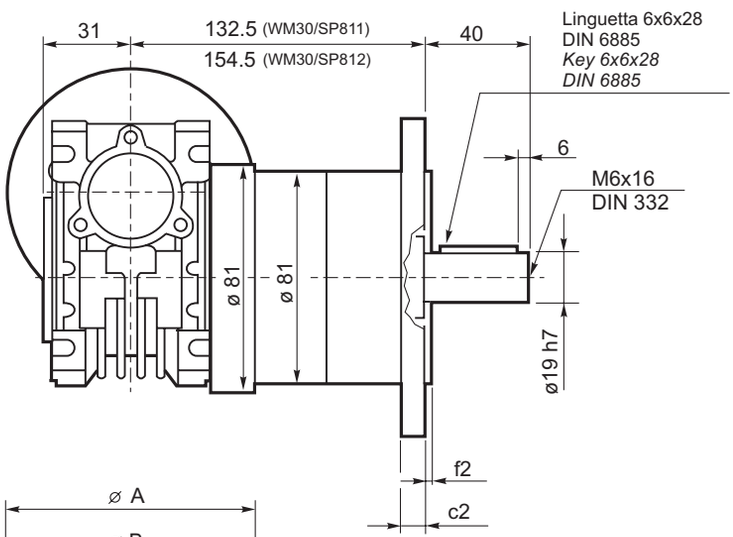
WM30/SP811..FD
WM30/SP812..FD





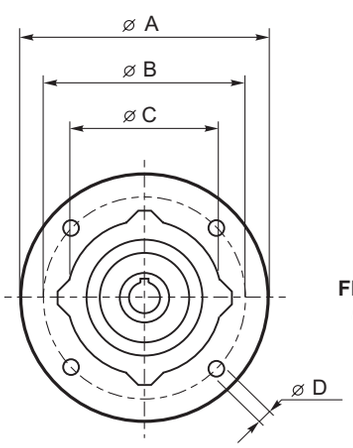
WM30/SP811..FS
WM30/SP812..FS





Dimensioni flangia uscita
Output flange dimensions

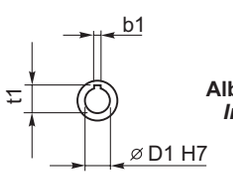
	a2	b2	c2	e3	f2	s2
C90	90	60 j7	9	75	2.5	M5
C105	105	70 j7	9	85	2.5	M6
C120	120	80 j7	9	100	3.0	6.5



Flangia entrata
Input flange

Kg

3.2 (WM26/SP811)
3.9 (WM26/SP812)



Albero entrata
Input shaft

		A	B	C	D	D1	t1	b1
P56	B5	120	100	80	6.5	9	10.4	3
	B14	80	65	50	6			

		A	B	C	D	D1	t1	b1
P63	B5	140	115	95	9.5	11	12.8	4
	B14	90	75	60	6			