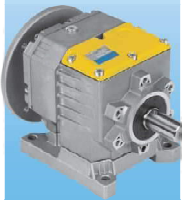


# One Step , Coaxial, Shaft Mounted Quality Specification



- For types 202A - 302A - 452A you should avoid application with very high radial loads and continuous duty. These gearbox have short bearings distance, so they are ideal for flange mounting or with a coupling. If application is intermittent, please contact our technical department as higher radial loads can be accepted.

202A Coaxial - Gear 70Nm Rating - Aluminum COAXIAL GEARBOXES												
* QUICK SELECTION / Selezione veloce						input speed (n.) = 1400 min <sup>-1</sup>						
Output Speed n <sub>2</sub> [min <sup>-1</sup> ]	Ratio i	Motor power P <sub>M</sub> [kW]	Output torque M <sub>2</sub> [Nm]	Service factor f <sub>s</sub>	Normal torque M <sub>2</sub> [Nm]	Assembly B5 motor flanges	Assembly B14 motor flanges			Input shaft key size		
						B	C	O	P	Q	Q	
407	3.44	0.55**	12	4.0	2.2	50						2821
327	4.28	0.55**	15	3.2	1.8	50						2818
257	5.45	0.55**	20	2.5	1.4	50						2815
225	6.23	0.55**	22	2.2	1.2	50						1921
194	7.29	0.55**	26	1.8	1.1	50						1918
181	7.74	0.55**	28	1.9	0.99	50						1915
142	9.85	0.55**	35	1.7	0.83	60						1912
123	11.42	0.55**	41	1.5	0.80	60						1715
107	13.03	0.37	32	1.9	0.79	60						1712
93	15.16	0.37	37	1.6	0.61	60						1610
86	16.26	0.37	39	1.5	0.57	60						1605
79	18.75	0.37	46	1.3	0.49	60						1510
66	21.15	0.37	51	1.2	0.43	60						1312 (on request)
64	21.84	0.37	53	1.1	0.42	60						1015
53	25.31	0.37	64	0.9	0.35	60						1010
48.5	28.88	0.37	70	1.0	0.37	70						912
39	35.91	0.37	87	0.8	0.30	70						910
37.1	37.69	0.25	62	1.1	0.28	70						712
28.9	46.67	0.25	77	0.9	0.23	70						710
28.1	48.76	0.25	81	0.9	0.21	70						
22.6	61.89	0.18	73	1.0	0.17	70						

Z1 } 2821  
2818  
2815  
1921

- All gearboxes are supplied with an oil quantity suitable for every positions. When you have applications with large numbers of products of the same size we can suggest to have less lubricant, provided that we know the mountig positions. For a safer long term life without possible oil leaks.

HOUSING	- Aluminum or cast iron. - Impregnated to prevent leaks (only Aluminum).	EN 46100 and G20 GAISI9 for Shaft Mounted
OUTPUT SHAFT	- High resistance steel.	39 NiCrMo3
INPUT SHAFT	- High resistance steel. - Supported from 2 bearings, and available 2RS when vertical positions are required.	39 NiCrMo3
GEARS	- All case and core hardened with ground profile (DIN 6 for first stage). - Calculated according to the surface and breaking torque. - Life time calculation.	HRC 58+60 AGMA 2001-B88 DIN 3975-3976 MAT.: 16 MnCr5 10000 HRS
KEYS	- Press fit for output shaft to prevent keys problems. - Keys used for second gears only. - Interference press fit, tested at 100% by special assembly system. - Press fit to guarantee 3 times the trasmitted torque.	
BEARINGS	- Calculated for life time. - Only good quality bearing on high speed shaft, and medium quality at very low speed. - On request 2RS bearings can be supplied when vertical positions are required. - On request stronger bearings can be used on most sizes on output shaft.	B10 - 10(5) HRS

# One Step , Coaxial, Shaft Mounted Quality Specification

LUBRICANT	<ul style="list-style-type: none"> <li>- Units are suitable for all positions with Synthetic oil 320 VSF.</li> <li>- Housings have only one oil plug for removal (excluding some small sizes).</li> <li>- On request breather plugs can be supplied.</li> <li>- On request oil for lower temperatures -30° -40° can be supplied.</li> <li>- On request food safe lubricants can be supplied.</li> </ul>	See Catalogue
SEALS	<ul style="list-style-type: none"> <li>- High quality Freudenberg seals on input motor shaft.</li> <li>- On request two input oil seals are available for critical applications.</li> <li>- NOK or equivalent seals on output.</li> <li>- Two oil seals on output on most sizes are also available</li> </ul>	
GASKET	<ul style="list-style-type: none"> <li>- All graphite gaskets are used for special protection against oil leaks.</li> </ul>	
PRESSURE TEST	<ul style="list-style-type: none"> <li>- It's available on special cases, but the standard impregnations is sufficient to protect most applications.</li> </ul>	
ATEX	<ul style="list-style-type: none"> <li>- It's available for all units.</li> </ul>	Category 2 - 3
DRAWINGS	<ul style="list-style-type: none"> <li>- 3D drawings are available on web site for all units.</li> </ul>	Step, Iges, Sata Dwg, Dxf
NOISE LEVEL	<ul style="list-style-type: none"> <li>- Noise level is around 60/65 dBA, but this is an indicative value, since it may change by ratios, load and mounting method.</li> <li>- On request special controls are carried out when special noise level is required.</li> </ul>	
INPUT SPEED	<ul style="list-style-type: none"> <li>- Standard is 4 poles, for 2 poles to be specified in the order, since test is different.</li> </ul>	
IP PROTECTION	All the gearboxes have a degree protection IP 65	