

GF - highly flexible coupling: technical data



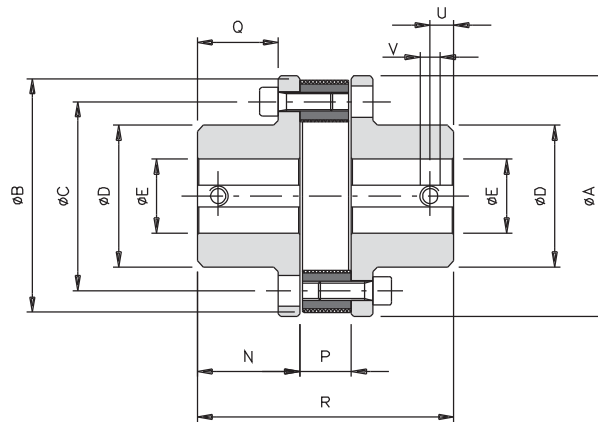
- Made in steel fully turned with standard treatment of phosphating.
- Simple manufacturing.
- High angular misalignments possible.
- Elastic element with an internal nylon weave for high reliability.
- Maintenance without moving the hubs axially possible.
- Finished bore and keyway with ISO H7 tolerance and low roughness.

ON REQUEST

- Different fixing systems on the hubs possible.
- Specific surface treatments possible.
- Connection to ComInTec TORQUE LIMITERS range possible.

The GF coupling, even if being built simply, assures a high elastic reliability which allows the recovery of high angular misalignments (up to 5°), absolutely reducing the drive irregularities.

It is composed of two hubs in steel UNI EN10083/98 fully turned and by an elastomeric central ring connected with screws and bolts in alternate way in respect to the two hubs.



DIMENSIONS

Size	Code	A	B	C	D	E H7		N	P	Q	R	U	V	"W" model (on request)			
						pilot	max							Code	B	P	R
X 0	200820000000	98	100	78	48	10	28	45	17	34	107	8	M4	200822000000	100	22	112
X 1	200830000000	128	130	100	70	14	38	55	24	44	134	12	M6	200832000000	125	28	138
X 2	200840000000	162	165	125	90	19	48	72	29	56	173	12	M6	200842000000	155	34	178
X 3	200850000000	178	185	140	105	19	55	76	36	60	188	15	M8	200852000000	172	38	190
X 4	200860000000	198	205	160	125	28	65	84	44	68	212	15	M8	200862000000	193	42	210
X 5	200870000000	235	240	195	155	30	85	100	50	80	250	15	M8	200872000000	233	48	248

TECHNICAL CHARACTERISTICS

Size	"X" model					"W" model					Elastomeric element									
	Torque [Nm]		Weight [kg]	Inertia [kgm ²]	Max speed [rpm]	Misalignments			Size	Torque [Nm]		Weight [kg]	Inertia [kgm ²]	Max speed [rpm]	Misalignments			Hardness [Sh-A]	Operating temp. [°C]	Max temp. [°C]
	Nom	Max				angular α [°]	axial X [mm]	radial K [mm]		Nom	Max				angular α [°]	axial X [mm]	radial K [mm]			
X 0	75	225	3.4	0.00256	5000	3°	1.5	1	W 0	75	-	2.5	0.00256	5000	5°	3.5	1	70±5	-25 ÷ +70	+130
X 1	230	690	6.0	0.00826	4500	4°	2	1	W 1	150	-	4.6	0.00826	4500	5°	3.5	1			
X 2	470	1410	8.2	0.02654	3600	4°	2.5	1.5	W 2	250	-	8.0	0.02654	4000	5°	4.5	1.5			
X 3	750	2250	12.7	0.04268	3500	4°	3	1.5	W 3	450	-	12.4	0.04268	3600	5°	4.5	1.5			
X 4	1125	3375	16.9	0.07775	2800	4°	3	1.5	W 4	850	-	17.2	0.07775	3200	5°	4.5	1.5			
X 5	1700	5100	22.2	0.19375	2500	4°	3.5	1.5	W 5	1850	-	27.4	0.19375	2500	5°	5	1.5	60±5		

NOTES

- ⊗ **Code:** the 7th, 8th, 9th digits of the code indicate the Finished Bore diameter of a half-hub in mm (000 = pilot bore).
- ⊗ **Code:** the 10th, 11th, 12th digits of the code indicate the Finished bore diameter of the second half-hub in mm (000 = pilot bore).
- ⊗ **Technical characteristics:** the weights refer to the coupling with pilot bore; inertias refer to the coupling with maximum bore.