

Flexible couplings are characterized by:

- the transfer of very large torques with the small dimensions
- torsional susceptibility
- service free
- vibration damping and compensation of deviations of joined shaft ends.

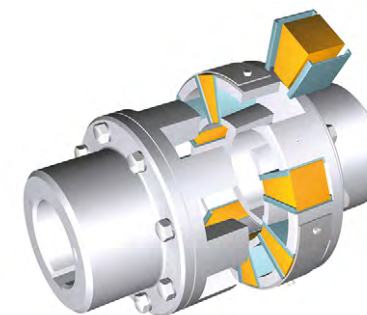
APPLICATIONS: stirrers, crushers, fans, motoreducers (ABF), coal miners (FENEX) and other machinery and equipment.

MATERIAL: hubs: steel; grey cast iron, spheroidal cast iron (bigger sizes of the couplings); jaw discs: spheroidal cast iron, flexible insert: polyurethane

ELASTIC INSERT WORKING CONDITIONS: work in the environment with pH of 5-12 at temperature of -30°C to +80°C (temporarily up to +100°C). Resistance to chemicals, including: common solvents, fuels, oils and lubricants, sulphuric and hydrochloric acid, soda lye, salty water and many other chemical substances.

OPERATION IN THE AREAS WITH THE DANGER OF EXPLOSIONS:

“Ex” couplings (see marking) are intended for operation in the areas with the danger of explosion (groups: I M2, II2D, II2G).



METHOD OF MARKING:

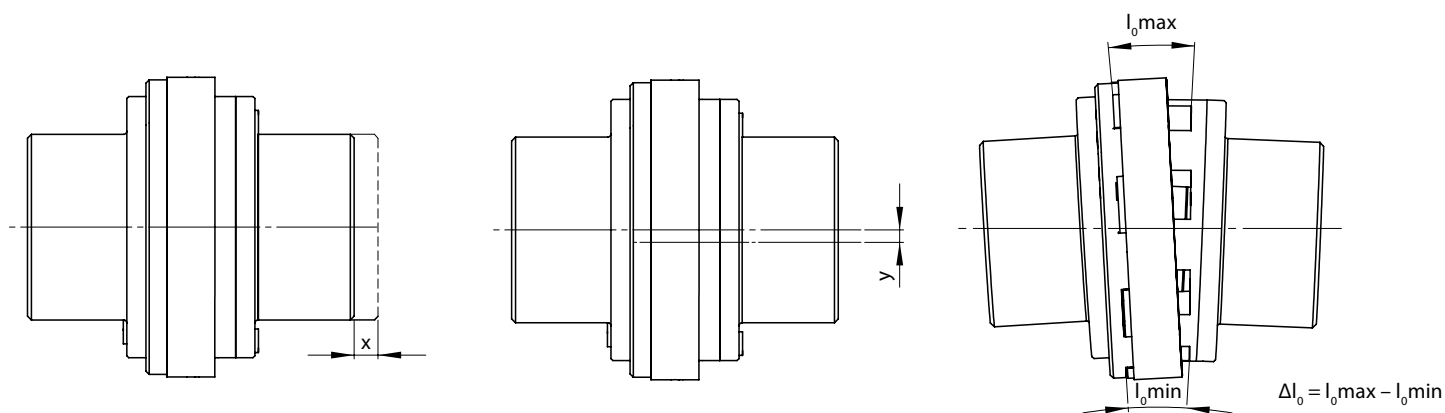
[name] - [M_n] - [d_1] / [l_1] - [d_2] / [l_2] - [size] [type] - [version*]

* only when it concerns a given type, where:

- name** e.g. flexible coupling
- M_n** nominal torque [Nm]
- d_1, d_2** diameters of the holes [mm] (for the couplings with brake drum or disc d_1 – transmission side) in the case of ordering the coupling without holes for shaft ends “0” should be placed; in the case of lead hole according to the catalogue – “ow” marking, and in the case of pilot bores other than in the catalogue, the diameter of the hole should be added after the “ow” marking (e.g. “ow25”) (with pilot bores there is no “WD” construction)
- l_1, l_2** the length of the holes in the hubs [mm]
- size of the coupling** e.g. 101
- type of the coupling** e.g. SEK
- version** Ex – for operation in the areas with the danger of explosion
WS... – special (individual arrangements)

BALANCING: couplings are normally balanced statically (some sizes of the couplings with bigger brake drums or discs are normally balanced dynamically-check remarks in the catalogue). After the arrangement there is a possibility of dynamic balancing of each coupling.

MAXIMUM DEVIATIONS: Given values of maximum deviations ("x" – axial, "y" – radial, „ Δl_0 " – angular) cannot appear at the same time. For the couplings of SEK type at the speed above 500 rpm for the coupling size of 103 and above 250 rpm for the size of 104 and bigger radial and angular deviations should not exceed 50% of the deviations values given in the table.



Type	SEK							FENEX		ABF
Coupling size	101	102	103	104	105	106	108	250	360	76
x	1,2	1,5	1,5	2,0	3,0	4,0	5	4	5,5	2
y	0,5	0,5	0,6	0,6	0,7	0,7	0,8	0,5	0,7	0,3
Δl_0	1,2	1,6	1,8	2,2	2,4	2,6	3	0,4	0,5	0,2