

ASG DOUBLE COUPLINGS

With two inserts and the possibility of their replacement without the necessity to draw the pins aside (only series 02 and 03)

DISC – **ASG-TH** with brake disc

Example of designation of the ASG 02 series type coupling with the nominal torque of $M_n=5000$ Nm, hub holes diameters of $d_1=90$ mm, $d_2=85$ mm, hub holes lengths of $l_1=172$ mm, $l_2=172$ mm, total length $L=430$ mm size of 021: (marking see page A2-1)
5000-90/172-85/172-430- 021ASG Double coupling

with brake disc of diameter $D_H=450$ mm and thickness of 15 mm, Distance of symmetry axis of brake disc $L_H=110$
5000-450x15-110-90/172-85/172-430-021 ASG-TH Disc coupling

- the version „Ex“ – 5000-90/172-85/172-430- 021 ASG-**Ex** Double coupling
 5000-450x15-110-90/172-85/172-430-021 ASG-TH- **Ex** Disc coupling
- Because of used in 03 series material of jaw disc (aluminium) , the couplings of this series should not be used in the areas with the danger of explosion, unless the user admitted them for operation together with the entire device on his own responsibility.
- The replacement of inserts without drawing the pins aside is possible only in series 02 and 03 (in the series 01 it is not possible)

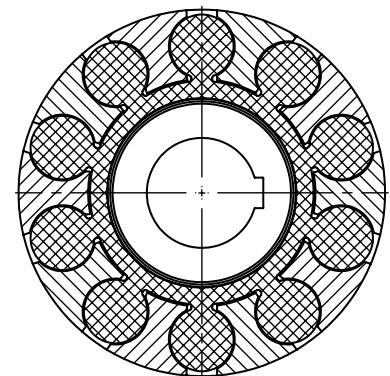
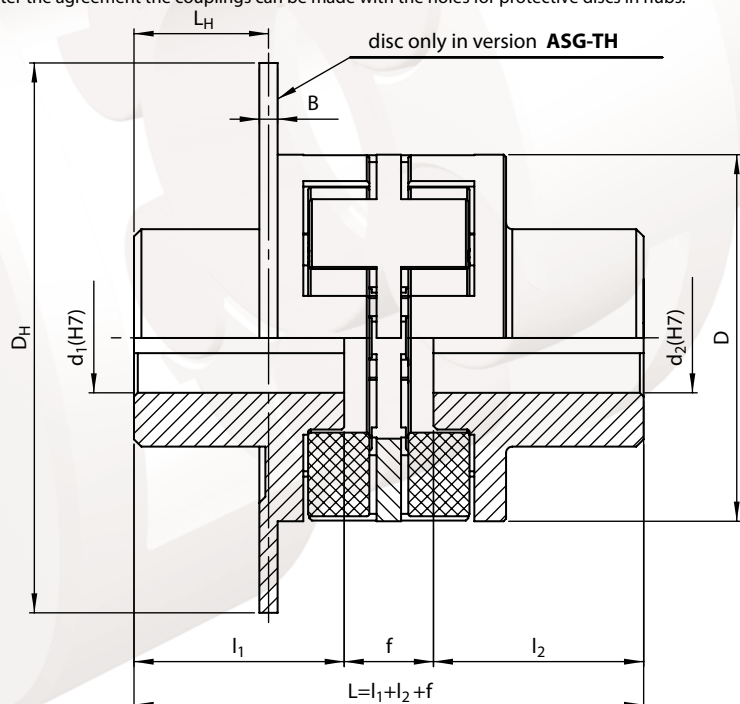
ASG DOUBLE COUPLINGS

ASG-TH DISC

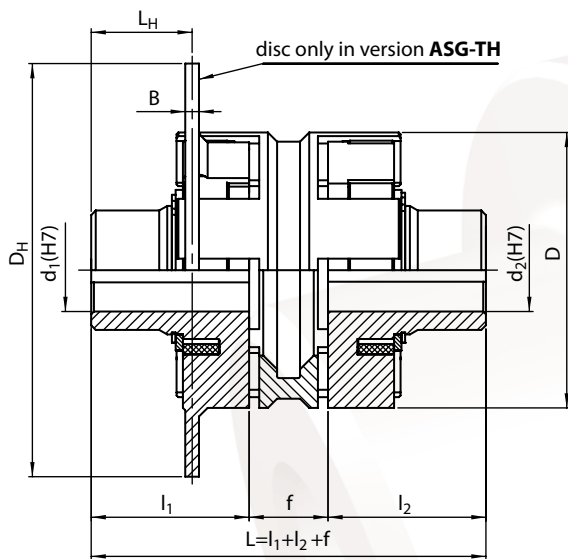
Nominal torque M_n	d_1, d_2		l_1, l_2 ¹⁾		f		D D ₁	$D_H \times B$ ³⁾	L_H ⁴⁾	Max rotational speed ⁵⁾ n_{max}	Moment of inertia ²⁾ I	Weight ²⁾ m	Coupling size and type
	initial	max	nomin.	extend.	min	max							
Nm	mm						1/min	kgm ²	kg	-			
01 series													
5000	30	100	172	212	42	86	300	-	110	1500	0,97	94,74	011 ASG
								450 x 15			1,38	107,47	011 ASG-TH
8300	30	125	172	212	42	101	360	-	130		2,33	156,56	012 ASG
								630 x 15			3,08	180,11	012 ASG-TH
								600 x 15					
02 series													
5000	30	90	172	212	42	86	300	-	110	1500	0,78	70,06	021 ASG
								450 x 15			1,14	79,93	021 ASG-TH
8300	30	125	172	212	42	101	360	-	130		2,05	145,37	022 ASG
								630 x 15			3,33	165,93	022 ASG-TH
								600 x 15					
03 series													
5000	30	90	172	212	42	86	300	-	110	1500	0,83	66,36	031 ASG
								450 x 15			1,20	76,24	031 ASG-TH
8000	30	125	172	212	42	101	360	-	130		2,21	141,56	032 ASG
								630 x 15			3,48	162,11	032 ASG-TH
								600 x 15					

We produce splineways as recommended, normally acc. to PN-70/M-85005, with the Js9 tolerance

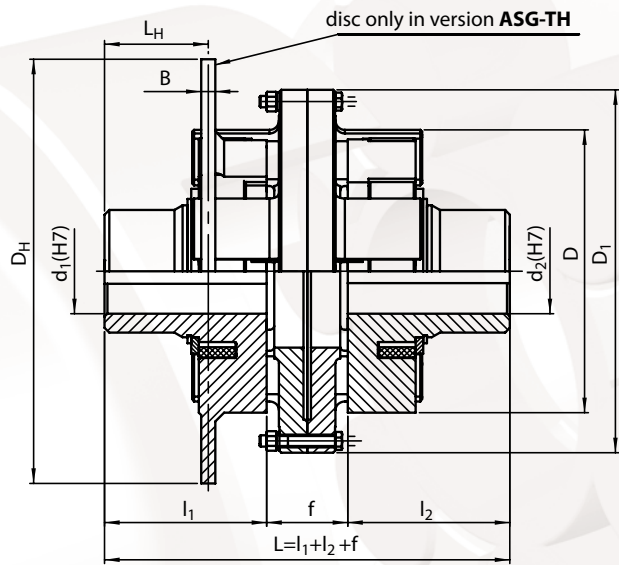
- 1) On request, we produce couplings with hub lengths different than the nominal and extended lengths provided in the table (hubs longer than the lengthened after the agreement)
- 2) The mass and the moment of inertia has been established for the clutches with holes $d_{1,2}=\varnothing 90$ i $l_{1,2}=172$ (011, 021, 031); $d_{1,2}=\varnothing 100$ i $l_{1,2}=212$ (012, 022, 032): of total length $L=430$ (011,021,031): $L= 525$ (012,022,032).
- 3) On request, we produce couplings brake discs with dimensions different than those provided in the table
- 4) L_H dimension after the agreement can be changed according to the wish of the customer. Given values of L_H are the nominal dimensions for the hub of the length of $l_1=172$ (for size 011,021,031) i $l_1=210$ (for size 012, 022, 032)
- 5) After the dynamic balance the maximum rotational speed can be increased (the dynamic balance must be agreed).
 - Couplings with brake disc $\varnothing 400$ and bigger are normally balanced dynamically, other couplings are balanced statically.
 - After the agreement the couplings can be made with the holes for protective discs in hubs.



Series 01



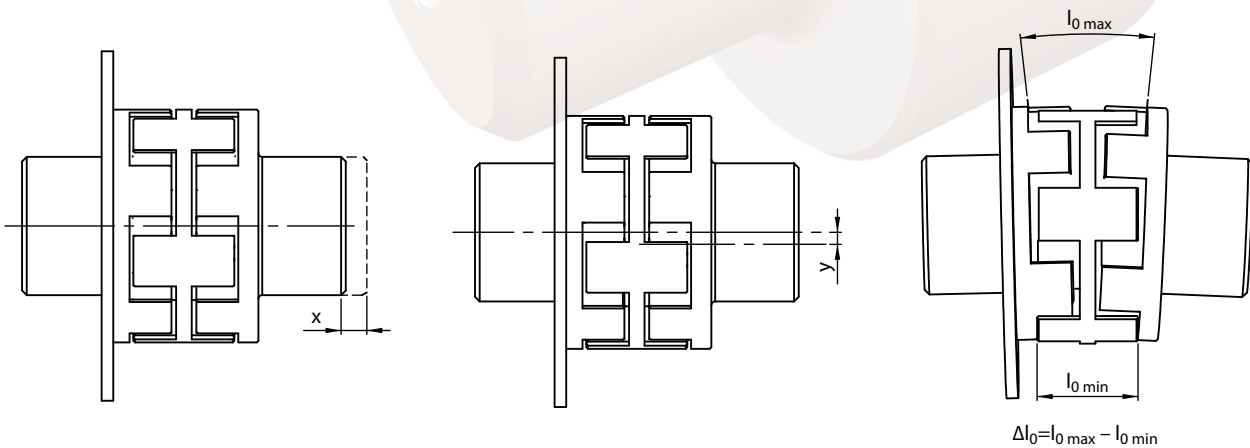
Series 02



Series 03

Maximum deviations:

Given values for maximum deviations ("x" – axial, "y" – radial, "Δl₀" – angular) cannot appear at the same time.



Coupling size	011	021 031	012	022 032
x	-4 +4	-12 +4	-4 +4	-15 +4
y	0,9	0,9	1,0	1,0
Δl ₀	0,6	0,6	0,6	0,6