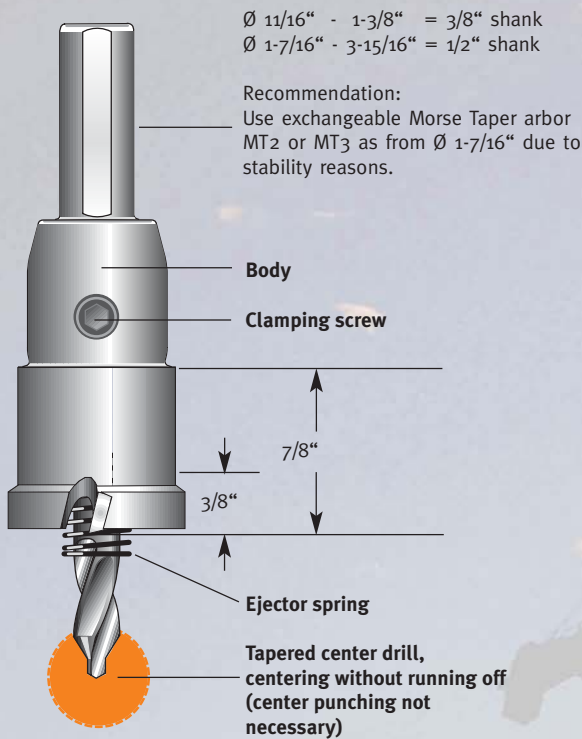


TUNGSTEN-CARBIDE-TIPPED-HOLE SAWS

MBS



THE TUNGSTEN-CARBIDE-TIPPED MULTI-RANGE SAW - REGISTERED UTILITY MODEL NO. 202 03 232.9 • MADE IN GERMANY BY ALFRA



also for stainless



MBS – for almost limitless use

All Tungsten-Carbide-Tipped Hole Saws Type MBS are equipped with an ejector pin. Thus the drilled material will be ejected automatically.

The Multi-Range Saw for the universal use on unalloyed and alloyed steels. **Max. Material Thickness 3/8" without spring.**

For the use on flat steel, as well as on pipes and vaulted materials. Also suitable for the cutting of overlapping holes. CAD-optimized precision tool with high cutting capacity and tool life.

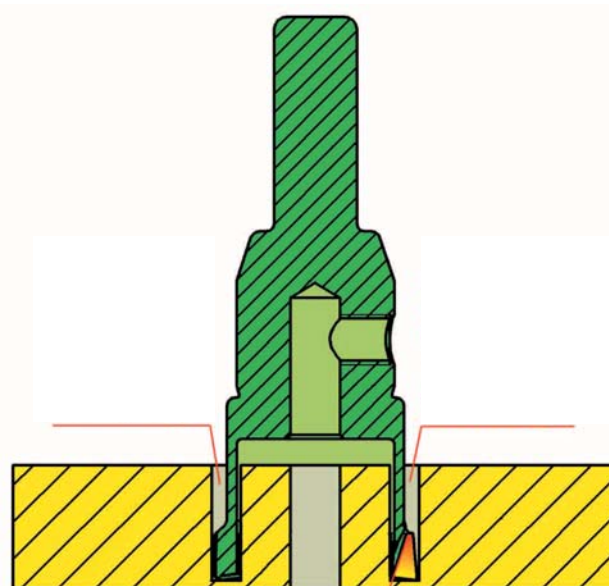
To be used on Pillar- and Hand Drilling Machines

- **Hand Drilling Machines:** up to 1/8" material thickness
- **Pillar Drilling Machines:** up to 3/8" material thickness (as from 1/4" material thickness, we recommend to clear chips).

MBS Hole Saws can be resharpened and it is possible to replace broken teeth depending on the condition of the Hole Saw.

Another special technical feature:

As from $\varnothing 1-7/16''$ specially hardened tool holders to compensate the torsional power in case of heavy operation which avoids early shearing off of the tool holder shank. **In terms of construction not comparable with any other make.**



TUNGSTEN-CARBIDE-TIPPED-HOLE SAWS

MBS

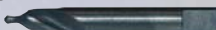


MADE IN GERMANY BY ALFRA

Ø inch	Ø Metric mm	No. of teeth	Prod.-No.
	18	6	0730180
3/4"	19	6	0730190
	20	6	0730200
13/16"	21	6	0730210
	22	6	0730220
7/8"	23	6	0730230
15/16"	24	6	0730240
	25	6	0730250
1"	26	6	0730260
1-1/16"	27	6	0730270
	28	6	0730280
1-1/8"	29	6	0730290
	30	6	0730300
1-3/16"	31	6	0730310
1-1/4"	32	6	0730320
	33	6	0730330
1-5/16"	34	6	0730340
1-3/8"	35	6	0730350
	36	6	0730360
As from Ø 1-7/16" we recommend the use of MT arbors			
1-7/16"	37	6	0730370
	38	6	0730380
1-1/2"	39	6	0730390
1-9/16"	40	6	0730400
	41	6	0730410
1-5/8"	42	6	0730420
1-11/16"	43	6	0730430
	44	6	0730440
1-3/4"	45	6	0730450
	46	6	0730460
1-13/16"	47	6	0730470
1-7/8"	48	6	0730480
	49	6	0730490
1-15/16"	50	6	0730500
2"	51	6	0730510
2-1/16"	52	6	0730520
	53	6	0730530
2-1/8"	54	6	0730540
	55	6	0730550
2-3/16"	56	6	0730560
2-1/4"	57	6	0730570
	58	6	0730580
2-5/16"	59	6	0730590
2-3/8"	60	8	0730600
	61	8	0730610
2-7/16"	62	8	0730620
	63	8	0730630
2-1/2"	64	8	0730640
	65	8	0730650
2-9/16"	66	8	0730660
2-5/8"	67	8	0730670
	68	8	0730680
2-11/16"	69	8	0730690
2-3/4"	70	8	0730700
	71	10	0730710
2-13/16"	72	10	0730720
2-7/8"	73	10	0730730
	74	10	0730740
2-15/16"	75	10	0730750

Ø inch	Ø Metric mm	No. of teeth	Prod.-No.
3"	76	10	0730760
	77	12	0730770
3-1/16"	78	12	0730780
3-1/8"	79	12	0730790
	80	12	0730800
3-3/16"	81	12	0730810
	82	12	0730820
3-1/4"	83	12	0730830
3-5/16"	84	12	0730840
	85	12	0730850
3-3/8"	86	14	0730860
3-7/16"	87	14	0730870
	88	14	0730880
3-1/2"	89	14	0730890
3-9/16"	90	14	0730900
	91	14	0730910
3-5/8"	92	14	0730920
	93	14	0730930
3-11/16"	94	14	0730940
3-3/4"	95	14	0730950
	96	14	0730960
3-13/16"	97	14	0730970
3-7/8"	98	14	0730980
	99	14	0730990
3-15/16"	100	14	0731000
4"	102	14	0731010

HSS-Spare Drill

with tapered center tip 

from Ø 1-1/16" - 2-3/8" Ø 3/8" 0732680

from Ø 2-3/8" - 4" Ø 5/16" 0732880

As from Ø 1-7/16" we recommend the use of MT2 and MT3 Tool Holders.



Tool Holders

MT-2 0734002

MT-3 0734003



Drilling structured sheet metals



Drilling rectangular tubes



Drilling flat steels



Drilling pipes