

 Precious Metal Content	Pt/C												Ru/C	
	5%	1%	1.5%	5%	3%	5%	10%	5%	5%	1% +0.2% Fe	5%	10%	5%	10%
	HeraSelect® HS-100 Powder	HeraSelect® HS-101 Powder	HeraSelect® HS-102 Powder	HeraSelect® HS-103 Powder	HeraSelect® HS-105 Powder	HeraSelect® HS-106 Powder	HeraSelect® HS-107 Powder	HeraSelect® HS-108 Powder	HeraSelect® HS-109 Powder	HeraSelect® HS-110 Powder	HeraSelect® HS-1652-5 Powder	HeraSelect® HS-1652-10 Powder	HeraSelect® HS-900 Powder	HeraSelect® HS-901 Powder
NITRO AND NITROSO COMPOUNDS														
Aromatic nitro compounds to anilines	■			■			■				■	■		
Halonitroaromatics to halogenated anilines		■	■								■	■		
Nitroso compounds to amines											■	■		
Nitro compounds to hydroxylamines	■			■		■	■	■	■		■	■		
Nitro compounds to substituted anilines	■			■		■	■	■	■		■	■		
CARBONYL COMPOUNDS														
Aromatic ketones/aldehydes to alkanes											■	■		
Aliphatic ketones/aldehydes to alcohols	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AROMATICS														
Ring hydrogenation	■			■		■	■	■	■		■	■	■	■
Aromatic ketones to alicyclic alcohols													■	■
Anilines to cyclohexanones														
Dehydrogenation														
Debenzylation														
C-C MULTIPLE BONDS														
Alkenes to alkanes	■	■	■	■	■	■	■	■	■					
Alkines to alkanes														
α,β-unsaturated carbonyl compounds														
Fatty acid hydrogenation														
NITRILES														
Aliphatic nitriles to primary amines	■	■	■	■	■	■	■	■	■	■	■	■		
Aliphatic nitriles to secondary amines														
Aliphatic nitriles to tertiary amines	■	■	■	■	■	■	■	■	■	■	■	■		
Aromatic nitriles to aldehydes											■	■		
IMINES AND OXIMES														
Imines to amines	■			■	■	■	■	■	■	■	■	■		
Oximes to amines											■	■		
OXIDATION AND DEHALOGENATION														
Alcohols to aldehydes and ketones	■			■		■	■	■	■					
Dehalogenation X = Cl, Br, I														

Additionally, Heraeus offers the customization and fine-tuning of a catalyst to find the most suitable fit for your application.

Catalysts on other support materials (alumina, titania, silica, etc.) and shapes (pellets, granules, etc.) are available.

Contact us and we guide you to the most efficient option for your process including type, precious metal loading and recommended operating conditions.

Heraeus Precious Metals GmbH & Co. KG
Heraeusstr. 12 – 14 · 63450 Hanau, Germany



 Precious Metal Content	Pd/C															
	5%	5%	5%	10%	3%	5%	10%	4% +1% Pt	5%	5%	7%	5%	5%	10%	5%	10%
	HeraSelect® HS-200 Powder	HeraSelect® HS-201 Powder	HeraSelect® HS-202 Powder	HeraSelect® HS-203 Powder	HeraSelect® HS-205 Powder	HeraSelect® HS-206 Powder	HeraSelect® HS-207 Powder	HeraSelect® HS-208 Powder	HeraSelect® HS-209 Powder	HeraSelect® HS-210 Powder	HeraSelect® HS-211 Powder	HeraSelect® HS-212 Powder	HeraSelect® HS-1522-5 Powder	HeraSelect® HS-1522-10 Powder	HeraSelect® HS-1525-5 Powder	HeraSelect® HS-1525-10 Powder
NITRO AND NITROSO COMPOUNDS																
Aromatic nitro compounds to anilines	■	■	■	■	■	■	■	■	■		■		■	■	■	■
Halonitroaromatics to halogenated anilines																
Nitroso compounds to amines	■	■	■	■	■	■			■		■				■	■
Nitro compounds to hydroxylamines																
Nitro compounds to substituted anilines	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■
CARBONYL COMPOUNDS																
Aromatic ketones/aldehydes to alkanes	■	■	■	■	■	■	■		■		■					
Aliphatic ketones/aldehydes to alcohols																
AROMATICS																
Ring hydrogenation															■	■
Aromatic ketones to alicyclic alcohols															■	■
Anilines to cyclohexanones	■	■				■			■		■					
Dehydrogenation	■	■	■	■	■	■	■		■		■	■			■	■
Debenzylation	■	■	■	■	■	■	■		■		■	■	■	■		
C-C MULTIPLE BONDS																
Alkenes to alkanes	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■
Alkines to alkanes	■	■		■	■	■			■		■		■	■	■	■
α,β-unsaturated carbonyl compounds	■	■	■	■	■	■	■		■		■	■			■	■
Fatty acid hydrogenation	■	■	■	■	■	■	■		■		■	■	■	■		
NITRILES																
Aliphatic nitriles to primary amines	■	■	■	■	■	■	■	■	■	■	■	■			■	■
Aliphatic nitriles to secondary amines	■	■	■	■	■	■	■	■	■	■	■	■			■	■
Aliphatic nitriles to tertiary amines	■	■	■	■	■	■	■	■	■	■	■	■			■	■
Aromatic nitriles to aldehydes	■	■	■	■	■	■	■	■	■	■	■	■				
IMINES AND OXIMES																
Imines to amines	■	■	■	■	■	■	■		■	■	■	■				
Oximes to amines	■	■	■	■	■	■	■		■	■	■	■				
OXIDATION AND DEHALOGENATION																
Alcohols to aldehydes and ketones	■	■	■	■	■	■	■		■		■	■			■	■
Dehalogenation X = Cl, Br, I	■	■	■	■		■	■		■		■	■	■	■		

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